

Time Weighted/Integrated Real Time LBMP- Generator

--- LBMP \$

--- Marginal Cost of Losses

--- Marginal Cost of Congestion

Generator Data

02/22/2025

Name	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00
PTID	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST
59TH STREET_GT_1 24138	185.12	149.59	131.66	135.75	150.13	166.12	153.65	129.63	61.86	73.52	107.71	80.88	63.99	67.07	52.90	57.36	67.32	113.98	138.36	120.52	150.57	118.17	96.26	96.39
	12.63	9.78	8.77	9.14	9.86	9.38	4.61	5.97	3.49	4.94	6.22	4.36	3.56	3.60	3.18	3.33	3.60	6.33	7.61	6.74	8.20	6.83	5.36	5.23
	0.00	0.00	0.00	0.00	0.00	-27.27	-88.17	-44.89	-13.82	0.63	4.71	2.91	1.66	1.98	0.98	1.47	2.81	5.55	2.33	3.42	4.71	6.60	4.68	4.27
74TH STREET_GT_1 24260	185.81	150.18	132.14	136.26	150.73	166.64	153.91	129.97	62.04	73.75	108.17	81.21	64.23	67.34	53.10	57.53	67.65	114.53	139.03	121.06	151.14	118.62	96.56	96.73
	13.32	10.36	9.25	9.64	10.46	9.90	4.86	6.30	3.66	5.17	6.67	4.69	3.80	3.86	3.38	3.51	3.92	6.89	8.28	7.27	8.77	7.27	5.66	5.57
	0.00	0.00	0.00	0.00	0.00	-27.28	-88.18	-44.90	-13.83	0.63	4.71	2.91	1.66	1.98	0.98	1.47	2.80	5.55	2.33	3.42	4.71	6.60	4.68	4.27
74TH STREET_GT_2 24261	185.81	150.18	132.14	136.26	150.73	166.64	153.91	129.97	62.04	73.75	108.17	81.21	64.23	67.34	53.10	57.53	67.65	114.53	139.03	121.06	151.14	118.62	96.56	96.73
	13.32	10.36	9.25	9.64	10.46	9.90	4.86	6.30	3.66	5.17	6.67	4.69	3.80	3.86	3.38	3.51	3.92	6.89	8.28	7.27	8.77	7.27	5.66	5.57
	0.00	0.00	0.00	0.00	0.00	-27.28	-88.18	-44.90	-13.83	0.63	4.71	2.91	1.66	1.98	0.98	1.47	2.80	5.55	2.33	3.42	4.71	6.60	4.68	4.27
ADK HUDSON___FALLS 24011	188.96	152.66	134.41	138.46	153.75	176.67	205.59	188.37	77.97	75.34	111.79	83.59	65.62	68.84	53.89	58.76	70.32	120.09	144.29	126.05	157.89	123.77	100.69	100.99
	16.47	12.84	11.52	11.85	13.48	12.85	6.36	8.24	4.54	6.58	8.94	6.24	4.71	4.80	3.89	4.31	5.79	10.86	12.87	11.28	13.70	10.54	8.46	8.62
	0.00	0.00	0.00	0.00	0.00	-34.36	-138.36	-101.38	-28.88	0.45	3.36	2.08	1.18	1.42	0.70	1.05	2.00	3.96	1.67	2.45	2.89	4.72	3.34	3.05
ADK RESOURCE___RCVRY 23798	190.23	153.52	135.20	139.30	154.79	177.70	206.41	189.40	78.43	75.94	112.74	84.24	66.07	69.26	54.21	59.16	70.89	121.17	145.55	127.14	159.16	124.61	101.35	101.68
	17.74	13.70	12.30	12.69	14.52	13.85	6.94	8.96	4.92	7.18	9.90	6.89	5.16	5.23	4.21	4.71	6.37	11.93	14.13	12.38	14.97	11.38	9.12	9.30
	0.00	0.00	0.00	0.00	0.00	-34.39	-138.59	-101.69	-28.96	0.45	3.36	2.08	1.18	1.42	0.70	1.05	2.00	3.96	1.67	2.45	2.90	4.72	3.34	3.05
ADK S GLENS___FALLS 24028	188.96	152.66	134.41	138.46	153.75	176.67	205.59	188.37	77.97	75.34	111.79	83.59	65.62	68.84	53.89	58.76	70.32	120.09	144.29	126.05	157.89	123.77	100.69	100.99
	16.47	12.84	11.52	11.85	13.48	12.85	6.36	8.24	4.54	6.58	8.94	6.24	4.71	4.80	3.89	4.31	5.79	10.86	12.87	11.28	13.70	10.54	8.46	8.62
	0.00	0.00	0.00	0.00	0.00	-34.36	-138.36	-101.38	-28.88	0.45	3.36	2.08	1.18	1.42	0.70	1.05	2.00	3.96	1.67	2.45	2.89	4.72	3.34	3.05
ADK_NYS___DAM 23527	184.94	149.42	131.63	135.53	150.45	172.51	191.48	169.92	72.63	73.82	110.27	82.59	64.90	68.14	53.39	58.00	68.82	116.87	140.70	123.02	154.65	121.36	98.91	99.19
	12.45	9.61	8.74	8.92	10.18	9.85	4.83	6.18	3.47	5.08	7.56	5.32	4.04	4.15	3.42	3.59	4.37	7.78	9.34	8.35	10.34	8.30	6.79	6.92
	0.00	0.00	0.00	0.00	0.00	-33.20	-125.78	-84.98	-24.61	0.47	3.49	2.15	1.22	1.47	0.73	1.09	2.08	4.11	1.73	2.54	2.77	4.89	3.46	3.16
AIR_PRODUCTS___DRP 24190	179.03	145.36	127.98	131.86	146.12	167.98	183.70	157.58	68.54	71.27	105.41	79.49	62.62	65.84	51.48	55.72	66.02	111.52	134.54	117.96	145.99	116.23	94.88	95.47
	6.54	5.55	5.09	5.25	5.84	5.19	2.32	2.96	1.72	2.53	2.68	2.21	1.75	1.84	1.50	1.31	1.56	2.42	3.18	3.29	3.22	3.15	2.75	3.20
	0.00	0.00	0.00	0.00	0.00	-33.33	-120.51	-75.86	-22.27	0.47	3.47	2.14	1.22	1.46	0.72	1.08	2.07	4.09	1.72	2.53	4.31	4.87	3.45	3.15
AKWESSNE_115KV_BK 355683	170.58	138.48	121.56	125.41	138.67	127.62	59.94	77.60	43.91	68.39	104.30	79.00	62.31	65.58	50.85	55.55	65.68	110.61	131.89	115.34	145.01	114.67	93.30	93.55
	-1.91	-1.34	-1.33	-1.20	-1.60	-1.84	-0.94	-1.16	-0.64	-0.48	0.59	1.11	1.09	1.18	0.67	0.83	0.64	0.35	0.04	-0.05	0.42	0.22	0.20	0.39
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.34	2.50	1.54	0.88	1.05	0.52	0.78	1.49	2.94	1.24	1.82	2.50	3.50	2.48	2.26
ALBANY_1_SOLAR 323833	181.40	147.13	129.52	133.39	147.88	169.19	178.89	151.30	67.03	71.49	105.25	79.24	62.40	65.55	51.27	55.69	66.60	113.34	136.73	119.65	148.48	117.87	96.13	96.52
	8.91	7.31	6.62	6.78	7.60	6.97	3.19	3.95	2.11	2.76	2.62	2.02	1.56	1.60	1.32	1.30	2.20	4.35	5.42	5.03	5.80	4.92	4.09	4.33
	0.00	0.00	0.00	0.00	0.00	-32.76	-114.82	-68.59	-20.37	0.48	3.57	2.20	1.26	1.50	0.74	1.12	2.12	4.21	1.77	2.60	4.40	5.01	3.55	3.23
ALBANY_2_SOLAR 323834	181.36	147.08	129.46	133.34	147.83	169.15	178.87	151.27	67.02	71.47	105.23	79.23	62.39	65.55	51.27	55.68	66.59	113.32	136.69	119.60	148.46	117.85	96.10	96.47
	8.87	7.26	6.56	6.73	7.56	6.92	3.16	3.93	2.10	2.73	2.59	2.01	1.55	1.60	1.31	1.30	2.19	4.33	5.38	4.99	5.78	4.90	4.06	4.28
	0.00	0.00	0.00	0.00	0.00	-32.76	-114.83	-68.59	-20.37	0.48	3.57	2.20	1.26	1.50	0.74	1.11	2.12	4.21	1.77	2.60	4.40	5.00	3.54	3.23
ALBANY___1 23571	179.03	145.36	127.98	131.86	146.12	167.98	183.70	157.58	68.54	71.27	105.41	79.49	62.62	65.84	51.48	55.72	66.02	111.52	134.54	117.96	145.99	116.23	94.88	95.47
	6.54	5.55	5.09	5.25	5.84	5.19	2.32	2.96	1.72	2.53	2.68	2.21	1.75	1.84	1.50	1.31	1.56	2.42	3.18	3.29	3.22	3.15	2.75	3.20
	0.00	0.00	0.00	0.00	0.00	-33.33	-120.51	-75.86	-22.27	0.47	3.47	2.14	1.22	1.46	0.72	1.08	2.07	4.09	1.72	2.53	4.31	4.87	3.45	3.15

ALBANY___2 23572	179.03 6.54 0.00	145.36 5.55 0.00	127.98 5.09 0.00	131.86 5.25 0.00	146.12 5.84 0.00	167.98 5.19 -33.33	183.70 2.32 -120.51	157.58 2.96 -75.86	68.54 1.72 -22.27	71.27 2.53 0.47	105.41 2.68 3.47	79.49 2.21 2.14	62.62 1.75 1.22	65.84 1.84 1.46	51.48 1.50 0.72	55.72 1.31 1.08	66.02 1.56 2.07	111.52 2.42 4.09	134.54 3.18 1.72	117.96 3.29 2.53	145.99 3.22 4.31	116.23 3.15 4.87	94.88 2.75 3.45	95.47 3.20 3.15
ALBANY___3 23573	179.03 6.54 0.00	145.36 5.55 0.00	127.98 5.09 0.00	131.86 5.25 0.00	146.12 5.84 0.00	167.98 5.19 -33.33	183.70 2.32 -120.51	157.58 2.96 -75.86	68.54 1.72 -22.27	71.27 2.53 0.47	105.41 2.68 3.47	79.49 2.21 2.14	62.62 1.75 1.22	65.84 1.84 1.46	51.48 1.50 0.72	55.72 1.31 1.08	66.02 1.56 2.07	111.52 2.42 4.09	134.54 3.18 1.72	117.96 3.29 2.53	145.99 3.22 4.31	116.23 3.15 4.87	94.88 2.75 3.45	95.47 3.20 3.15
ALBANY___4 23574	179.03 6.54 0.00	145.36 5.55 0.00	127.98 5.09 0.00	131.86 5.25 0.00	146.12 5.84 0.00	167.98 5.19 -33.33	183.70 2.32 -120.51	157.58 2.96 -75.86	68.54 1.72 -22.27	71.27 2.53 0.47	105.41 2.68 3.47	79.49 2.21 2.14	62.62 1.75 1.22	65.84 1.84 1.46	51.48 1.50 0.72	55.72 1.31 1.08	66.02 1.56 2.07	111.52 2.42 4.09	134.54 3.18 1.72	117.96 3.29 2.53	145.99 3.22 4.31	116.23 3.15 4.87	94.88 2.75 3.45	95.47 3.20 3.15
ALBANY___LFGE 323615	180.64 8.16 0.00	146.52 6.71 0.00	128.98 6.09 0.00	132.89 6.28 0.00	147.27 7.00 0.00	169.41 6.33 -33.62	189.51 2.90 -125.73	165.87 3.73 -83.37	70.92 2.15 -24.22	71.89 3.14 0.47	106.43 3.68 3.45	80.17 2.88 2.13	63.14 2.26 1.21	66.36 2.35 1.46	51.90 1.92 0.72	56.26 1.84 1.08	66.76 2.29 2.06	112.87 3.74 4.07	136.10 4.73 1.71	119.25 4.56 2.51	148.71 4.90 3.27	117.48 4.37 4.85	95.83 3.68 3.43	96.31 4.01 3.13
ALCOA_PA_115KV_PL-6C 55860	172.28 -0.21 0.00	139.87 0.05 0.00	122.80 -0.09 0.00	126.58 -0.03 0.00	139.90 -0.37 0.00	128.67 -0.79 0.00	60.37 -0.50 0.00	78.16 -0.60 0.00	44.21 -0.35 0.00	68.72 -0.07 0.43	104.37 1.32 3.15	79.54 2.07 1.95	62.61 1.63 1.11	65.88 1.76 1.33	51.15 1.11 0.66	55.82 1.31 0.99	65.67 1.02 1.88	110.76 1.28 3.72	132.69 1.17 1.56	115.82 0.91 2.29	145.64 1.71 3.16	114.82 1.29 4.42	93.49 1.04 3.13	93.79 1.22 2.86
ALCOA_RYNLDS___DRP 24188	172.28 -0.21 0.00	139.87 0.05 0.00	122.80 -0.09 0.00	126.58 -0.03 0.00	139.90 -0.37 0.00	128.67 -0.79 0.00	60.37 -0.50 0.00	78.16 -0.60 0.00	44.21 -0.35 0.00	68.72 -0.07 0.43	104.37 1.32 3.15	79.54 2.07 1.95	62.61 1.63 1.11	65.88 1.76 1.33	51.15 1.11 0.66	55.82 1.31 0.99	65.67 1.02 1.88	110.76 1.28 3.72	132.69 1.17 1.56	115.82 0.91 2.29	145.64 1.71 3.16	114.82 1.29 4.42	93.49 1.04 3.13	93.79 1.22 2.86
ALCOA___DSASP 323711	172.28 -0.21 0.00	139.87 0.05 0.00	122.80 -0.09 0.00	126.58 -0.03 0.00	139.92 -0.34 0.00	128.72 -0.74 0.00	60.39 -0.48 0.00	78.19 -0.57 0.00	44.21 -0.35 0.00	68.73 -0.07 0.43	104.37 1.32 3.15	79.53 2.06 1.95	62.61 1.63 1.11	65.88 1.76 1.33	51.15 1.11 0.66	55.82 1.31 0.99	65.67 1.02 1.88	110.76 1.28 3.72	132.68 1.17 1.56	115.83 0.92 2.29	145.64 1.72 3.16	114.80 1.27 4.42	93.49 1.04 3.13	93.78 1.22 2.86
ALLEGHENY___COGEN 23514	122.86 -5.40 44.23	111.04 -3.80 24.98	103.15 -3.01 16.73	109.89 -3.13 13.59	114.82 -3.52 21.93	88.56 -3.21 37.70	35.01 -1.79 24.07	61.37 -2.32 15.07	43.88 -1.59 -0.92	40.10 -4.88 24.24	68.11 -9.11 28.98	53.77 -7.10 18.56	53.94 -5.66 2.50	48.05 -6.24 11.17	40.70 -4.86 5.15	29.15 -5.17 21.18	27.57 -4.90 34.06	36.51 -5.04 71.64	53.47 -4.30 75.31	56.12 -3.83 57.26	7.59 -4.59 134.90	14.29 -4.68 98.99	16.19 -3.89 75.49	37.87 -4.16 53.39
ALTAMONT_115KV_TB 2 55880	179.31 6.82 0.00	145.26 5.44 0.00	127.82 4.93 0.00	131.68 5.07 0.00	145.93 5.66 0.00	168.07 5.29 -33.31	180.62 2.47 -117.27	152.53 3.18 -70.59	67.30 1.82 -20.93	71.29 2.54 0.47	105.77 3.03 3.46	79.43 2.14 2.14	62.57 1.69 1.22	65.79 1.79 1.46	51.48 1.50 0.72	55.89 1.48 1.08	66.31 1.85 2.06	112.52 3.40 4.08	135.58 4.21 1.71	118.56 3.87 2.52	147.65 4.47 3.91	116.87 3.77 4.86	95.20 3.06 3.44	95.47 3.19 3.14
ALTONA_WT_PWR 323606	172.78 0.29 0.00	140.23 0.41 0.00	123.00 0.11 0.00	126.88 0.26 0.00	140.60 0.33 0.00	129.59 0.13 0.00	60.63 -0.24 0.00	78.41 -0.35 0.00	44.52 -0.04 0.00	69.02 0.13 0.32	104.77 0.97 2.40	79.48 1.53 1.48	62.25 1.00 0.84	65.66 1.21 1.01	50.88 0.67 0.50	55.57 0.82 0.75	65.93 0.83 1.43	112.41 2.04 2.82	133.94 2.05 1.19	116.94 1.48 1.74	145.60 0.91 2.40	114.27 -0.32 3.36	92.53 -0.66 2.38	93.75 0.50 2.17
AMERICAN_REF_FUEL 24010	124.55 -20.72 27.21	108.36 -15.82 15.64	98.67 -13.74 10.47	103.79 -14.32 8.51	110.73 -15.81 13.73	93.27 -14.09 22.10	43.54 -7.29 10.04	61.95 -10.11 6.71	38.99 -5.75 -0.18	40.87 -8.97 19.38	42.81 -14.48 48.92	39.42 -11.32 28.68	36.44 -8.73 16.92	35.17 -9.29 21.00	32.96 -7.51 10.24	28.86 -8.47 18.17	25.43 -10.30 30.79	33.14 -16.56 63.50	59.45 -18.76 54.87	53.49 -16.31 47.41	28.06 -19.10 99.92	18.54 -15.38 84.03	19.83 -11.93 63.81	35.64 -11.84 47.95
ARKWRIGHT___SUMMIT_WT_PWR 323751	122.89 -15.02 34.58	107.68 -12.57 19.56	98.67 -11.12 13.10	104.70 -11.27 10.64	110.54 -12.56 17.17	89.05 -12.10 28.32	39.80 -6.16 14.92	60.64 -8.34 9.77	39.92 -4.58 0.05	38.66 -7.70 22.85	45.56 -12.06 48.58	42.03 -9.22 28.18	38.50 -7.22 16.38	36.77 -7.85 20.84	34.51 -6.08 10.11	29.42 -6.88 19.20	26.62 -8.24 31.67	35.13 -12.09 65.97	56.29 -13.68 63.12	54.73 -11.53 50.94	18.09 -14.61 114.38	16.63 -12.03 89.30	17.09 -10.06 68.42	35.91 -10.09 49.42
ARTHUR KILL_GT_1 23520	295.24 12.15 -110.61	149.23 9.40 -0.01	131.25 8.35 -0.01	135.34 8.71 -0.01	149.82 9.54 -0.01	165.66 8.91 -27.28	268.51 4.54 -203.10	175.59 5.89 -90.95	110.16 3.54 -62.06	131.30 4.91 -57.17	89.21 5.92 22.92	292.60 4.22 -208.96	314.03 3.47 -248.47	301.00 3.62 -231.92	305.90 3.24 -251.95	310.16 3.35 -251.31	130.63 3.65 -60.46	284.06 6.16 -164.71	267.56 7.51 -126.96	279.05 6.55 -155.29	380.48 7.90 -225.50	312.17 6.51 -187.71	307.11 5.17 -206.36	104.51 5.00 -4.09
ARTHUR_KILL_2 23512	294.72 11.62 -110.61	148.79 8.96 -0.01	130.86 7.96 -0.01	134.96 8.34 -0.01	149.37 9.09 -0.01	165.25 8.50 -27.28	268.33 4.35 -203.10	175.34 5.63 -90.95	110.03 3.41 -62.06	131.10 4.72 -57.17	88.91 5.63 22.92	292.40 4.02 -208.96	313.89 3.33 -248.47	300.86 3.48 -231.92	305.79 3.13 -251.95	310.02 3.21 -251.31	130.43 3.45 -60.46	283.71 5.81 -164.71	267.11 7.07 -126.96	278.67 6.17 -155.29	380.03 7.45 -225.50	311.80 6.14 -187.71	306.83 4.89 -206.36	104.23 4.72 -4.09
ARTHUR_KILL_3 23513	104.28 10.73 78.94	90.65 8.23 57.39	90.65 7.44 39.68	90.65 7.76 43.72	90.65 8.34 57.96	90.65 7.95 46.76	90.65 3.91 -25.86	99.85 5.10 -15.99	87.34 2.99 -39.79	94.49 4.09 -21.18	88.22 4.93 22.92	62.48 3.38 20.33	63.66 2.84 1.27	67.28 2.86 1.04	66.45 2.64 -13.10	66.82 2.72 -8.61	82.23 2.98 -12.72	87.19 5.30 31.31	81.77 6.35 57.67	72.41 5.53 50.32	114.21 6.72 39.59	79.05 5.54 44.44	69.62 4.32 30.28	68.54 4.23 31.11

ARTHUR_KILL_COGEN 323718	295.24 12.15 -110.61	149.23 9.40 -0.01	131.25 8.35 -0.01	135.34 8.71 -0.01	149.82 9.54 -0.01	165.66 8.91 -27.28	268.51 4.54 -203.10	175.59 5.89 -90.95	110.16 3.54 -62.06	131.30 4.91 -57.17	89.21 5.92 22.92	292.60 4.22 -208.96	314.03 3.47 -248.47	301.00 3.62 -231.92	305.90 3.24 -251.95	310.16 3.35 -251.31	130.63 3.65 -60.46	284.06 6.16 -164.71	267.56 7.51 -126.96	279.05 6.55 -155.29	380.48 7.90 -225.50	312.17 6.51 -187.71	307.11 5.17 -206.36	104.51 5.00 -4.09
ASHOKAN____ 23654	189.02 16.53 0.00	152.93 13.11 0.00	134.49 11.59 0.00	138.55 11.93 0.00	153.59 13.32 0.00	171.90 11.90 -30.53	171.11 5.47 -104.77	146.19 7.19 -60.23	66.62 4.04 -18.03	74.56 5.89 0.54	109.41 7.25 4.04	81.93 5.00 2.49	64.45 3.77 1.42	67.54 3.79 1.70	53.01 3.15 0.84	57.76 3.53 1.26	68.79 4.66 2.40	117.62 9.18 4.76	142.64 11.56 2.00	124.55 10.28 2.94	154.90 12.49 4.67	122.10 9.82 5.66	99.23 7.66 4.01	99.31 7.54 3.66
ASTORIA_EAST_ENERGY_CC1 323581	184.57 12.08 0.00	149.42 9.60 0.00	131.41 8.51 -0.01	135.55 8.93 -0.01	149.94 9.66 -0.01	165.92 9.17 -27.29	153.55 4.49 -88.18	129.32 5.66 -44.90	61.64 3.26 -13.83	73.11 4.53 0.64	107.11 5.62 4.71	80.42 3.90 2.91	63.58 3.14 1.66	66.71 3.23 1.98	52.72 2.99 0.98	57.06 3.04 1.47	67.09 3.37 2.80	113.48 5.83 5.55	138.04 7.29 2.33	120.34 6.56 3.42	150.34 7.97 4.71	117.98 6.63 6.60	96.29 5.38 4.67	96.37 5.21 4.27
ASTORIA_EAST_ENERGY_CC2 323582	184.63 12.14 0.00	149.49 9.67 0.00	131.44 8.54 -0.01	135.57 8.95 -0.01	149.98 9.70 -0.01	165.96 9.21 -27.29	153.57 4.51 -88.18	129.35 5.69 -44.90	61.67 3.29 -13.83	73.15 4.57 0.64	107.14 5.65 4.71	80.46 3.94 2.91	63.58 3.14 1.66	66.71 3.23 1.98	52.71 2.98 0.98	57.06 3.04 1.47	67.09 3.37 2.80	113.48 5.83 5.55	138.04 7.29 2.33	120.34 6.56 3.42	150.34 7.97 4.71	117.98 6.63 6.60	96.29 5.38 4.67	96.37 5.21 4.27
ASTORIA_GT2_1 24094	184.66 12.17 0.00	149.48 9.66 0.00	131.44 8.54 -0.01	135.57 8.95 -0.01	149.98 9.70 -0.01	165.97 9.22 -27.29	153.57 4.52 -88.18	129.36 5.70 -44.90	61.67 3.28 -13.83	73.14 4.57 0.64	107.19 5.69 4.71	80.52 4.00 2.90	63.68 3.25 1.66	66.80 3.32 1.98	52.75 3.02 0.98	57.07 3.04 1.47	67.09 3.36 2.80	113.55 5.90 5.55	138.13 7.37 2.33	120.39 6.61 3.42	150.40 8.03 4.71	118.11 6.76 6.60	96.34 5.44 4.67	96.42 5.26 4.27
ASTORIA_GT2_2 24095	184.66 12.17 0.00	149.48 9.66 0.00	131.44 8.54 -0.01	135.57 8.95 -0.01	149.98 9.70 -0.01	165.97 9.22 -27.29	153.57 4.52 -88.18	129.36 5.70 -44.90	61.67 3.28 -13.83	73.14 4.57 0.64	107.19 5.69 4.71	80.52 4.00 2.90	63.68 3.25 1.66	66.80 3.32 1.98	52.75 3.02 0.98	57.07 3.04 1.47	67.09 3.36 2.80	113.55 5.90 5.55	138.13 7.37 2.33	120.39 6.61 3.42	150.40 8.03 4.71	118.11 6.76 6.60	96.34 5.44 4.67	96.42 5.26 4.27
ASTORIA_GT2_3 24096	184.66 12.17 0.00	149.48 9.66 0.00	131.44 8.54 -0.01	135.57 8.95 -0.01	149.98 9.70 -0.01	165.97 9.22 -27.29	153.57 4.52 -88.18	129.36 5.70 -44.90	61.67 3.28 -13.83	73.14 4.57 0.64	107.19 5.69 4.71	80.52 4.00 2.90	63.68 3.25 1.66	66.80 3.32 1.98	52.75 3.02 0.98	57.07 3.04 1.47	67.09 3.36 2.80	113.55 5.90 5.55	138.13 7.37 2.33	120.39 6.61 3.42	150.40 8.03 4.71	118.11 6.76 6.60	96.34 5.44 4.67	96.42 5.26 4.27
ASTORIA_GT2_4 24097	184.66 12.17 0.00	149.48 9.66 0.00	131.44 8.54 -0.01	135.57 8.95 -0.01	149.98 9.70 -0.01	165.97 9.22 -27.29	153.57 4.52 -88.18	129.36 5.70 -44.90	61.67 3.28 -13.83	73.14 4.57 0.64	107.19 5.69 4.71	80.52 4.00 2.90	63.68 3.25 1.66	66.80 3.32 1.98	52.75 3.02 0.98	57.07 3.04 1.47	67.09 3.36 2.80	113.55 5.90 5.55	138.13 7.37 2.33	120.39 6.61 3.42	150.40 8.03 4.71	118.11 6.76 6.60	96.34 5.44 4.67	96.42 5.26 4.27
ASTORIA_GT3_1 24098	184.66 12.17 0.00	149.48 9.66 0.00	131.44 8.54 -0.01	135.57 8.95 -0.01	149.98 9.70 -0.01	165.97 9.22 -27.29	153.57 4.52 -88.18	129.36 5.70 -44.90	61.67 3.28 -13.83	73.14 4.57 0.64	107.19 5.69 4.71	80.52 4.00 2.90	63.68 3.25 1.66	66.80 3.32 1.98	52.75 3.02 0.98	57.07 3.04 1.47	67.09 3.36 2.80	113.55 5.90 5.55	138.13 7.37 2.33	120.39 6.61 3.42	150.40 8.03 4.71	118.11 6.76 6.60	96.34 5.44 4.67	96.42 5.26 4.27
ASTORIA_GT3_2 24099	184.66 12.17 0.00	149.48 9.66 0.00	131.44 8.54 -0.01	135.57 8.95 -0.01	149.98 9.70 -0.01	165.97 9.22 -27.29	153.57 4.52 -88.18	129.36 5.70 -44.90	61.67 3.28 -13.83	73.14 4.57 0.64	107.19 5.69 4.71	80.52 4.00 2.90	63.68 3.25 1.66	66.80 3.32 1.98	52.75 3.02 0.98	57.07 3.04 1.47	67.09 3.36 2.80	113.55 5.90 5.55	138.13 7.37 2.33	120.39 6.61 3.42	150.40 8.03 4.71	118.11 6.76 6.60	96.34 5.44 4.67	96.42 5.26 4.27
ASTORIA_GT3_3 24100	184.66 12.17 0.00	149.48 9.66 0.00	131.44 8.54 -0.01	135.57 8.95 -0.01	149.98 9.70 -0.01	165.97 9.22 -27.29	153.57 4.52 -88.18	129.36 5.70 -44.90	61.67 3.28 -13.83	73.14 4.57 0.64	107.19 5.69 4.71	80.52 4.00 2.90	63.68 3.25 1.66	66.80 3.32 1.98	52.75 3.02 0.98	57.07 3.04 1.47	67.09 3.36 2.80	113.55 5.90 5.55	138.13 7.37 2.33	120.39 6.61 3.42	150.40 8.03 4.71	118.11 6.76 6.60	96.34 5.44 4.67	96.42 5.26 4.27
ASTORIA_GT3_4 24101	184.66 12.17 0.00	149.48 9.66 0.00	131.44 8.54 -0.01	135.57 8.95 -0.01	149.98 9.70 -0.01	165.97 9.22 -27.29	153.57 4.52 -88.18	129.36 5.70 -44.90	61.67 3.28 -13.83	73.14 4.57 0.64	107.19 5.69 4.71	80.52 4.00 2.90	63.68 3.25 1.66	66.80 3.32 1.98	52.75 3.02 0.98	57.07 3.04 1.47	67.09 3.36 2.80	113.55 5.90 5.55	138.13 7.37 2.33	120.39 6.61 3.42	150.40 8.03 4.71	118.11 6.76 6.60	96.34 5.44 4.67	96.42 5.26 4.27
ASTORIA_GT4_1 24102	184.66 12.17 0.00	149.48 9.66 0.00	131.44 8.54 -0.01	135.57 8.95 -0.01	149.98 9.70 -0.01	165.97 9.22 -27.29	153.57 4.52 -88.18	129.36 5.70 -44.90	61.67 3.28 -13.83	73.14 4.57 0.64	107.19 5.69 4.71	80.52 4.00 2.90	63.68 3.25 1.66	66.80 3.32 1.98	52.75 3.02 0.98	57.07 3.04 1.47	67.09 3.36 2.80	113.55 5.90 5.55	138.13 7.37 2.33	120.39 6.61 3.42	150.40 8.03 4.71	118.11 6.76 6.60	96.34 5.44 4.67	96.42 5.26 4.27
ASTORIA_GT4_2 24103	184.66 12.17 0.00	149.48 9.66 0.00	131.44 8.54 -0.01	135.57 8.95 -0.01	149.98 9.70 -0.01	165.97 9.22 -27.29	153.57 4.52 -88.18	129.36 5.70 -44.90	61.67 3.28 -13.83	73.14 4.57 0.64	107.19 5.69 4.71	80.52 4.00 2.90	63.68 3.25 1.66	66.80 3.32 1.98	52.75 3.02 0.98	57.07 3.04 1.47	67.09 3.36 2.80	113.55 5.90 5.55	138.13 7.37 2.33	120.39 6.61 3.42	150.40 8.03 4.71	118.11 6.76 6.60	96.34 5.44 4.67	96.42 5.26 4.27
ASTORIA_GT4_3 24104	184.66 12.17 0.00	149.48 9.66 0.00	131.44 8.54 -0.01	135.57 8.95 -0.01	149.98 9.70 -0.01	165.97 9.22 -27.29	153.57 4.52 -88.18	129.36 5.70 -44.90	61.67 3.28 -13.83	73.14 4.57 0.64	107.19 5.69 4.71	80.52 4.00 2.90	63.68 3.25 1.66	66.80 3.32 1.98	52.75 3.02 0.98	57.07 3.04 1.47	67.09 3.36 2.80	113.55 5.90 5.55	138.13 7.37 2.33	120.39 6.61 3.42	150.40 8.03 4.71	118.11 6.76 6.60	96.34 5.44 4.67	96.42 5.26 4.27

ASTORIA_GT4_4 24105	184.66 12.17 0.00	149.48 9.66 0.00	131.44 8.54 -0.01	135.57 8.95 -0.01	149.98 9.70 -0.01	165.97 9.22 -27.29	153.57 4.52 -88.18	129.36 5.70 -44.90	61.67 3.28 -13.83	73.14 4.57 0.64	107.19 5.69 4.71	80.52 4.00 2.90	63.68 3.25 1.66	66.80 3.32 1.98	52.75 3.02 0.98	57.07 3.04 1.47	67.09 3.36 2.80	113.55 5.90 5.55	138.13 7.37 2.33	120.39 6.61 3.42	150.40 8.03 4.71	118.11 6.76 6.60	96.34 5.44 4.67	96.42 5.26 4.27
ASTORIA_GT_1 23523	184.97 12.48 0.00	149.75 9.93 0.00	131.67 8.77 -0.01	135.80 9.18 -0.01	150.23 9.95 -0.01	166.22 9.47 -27.29	153.69 4.63 -88.18	129.50 5.84 -44.90	61.76 3.38 -13.83	73.29 4.71 0.64	107.36 5.86 4.71	80.62 4.10 2.91	63.73 3.29 1.66	66.87 3.39 1.98	52.82 3.10 0.98	57.19 3.16 1.47	67.26 3.54 2.80	113.78 6.13 5.55	138.41 7.66 2.33	120.64 6.85 3.42	150.74 8.37 4.71	118.29 6.95 6.60	96.52 5.61 4.67	96.57 5.41 4.27
ASTORIA_GT_10 24110	185.14 12.64 0.00	149.67 9.86 0.00	131.70 8.80 -0.01	135.84 9.22 -0.01	150.19 9.91 -0.01	166.17 9.41 -27.29	153.70 4.64 -88.18	129.67 6.01 -44.90	69.73 3.53 -21.65	84.80 4.95 -10.64	107.75 6.25 4.71	85.56 4.42 -1.71	89.16 3.61 -23.46	90.33 3.66 -21.21	88.57 3.24 -34.62	86.16 3.33 -27.33	67.34 3.61 2.80	115.44 6.28 4.04	142.53 7.61 -1.84	125.70 6.63 -1.86	153.06 8.02 2.05	118.30 6.60 6.25	96.06 5.16 4.68	96.19 5.03 4.27
ASTORIA_GT_11 24225	185.14 12.64 0.00	149.67 9.86 0.00	131.70 8.80 -0.01	135.84 9.22 -0.01	150.19 9.91 -0.01	166.17 9.41 -27.29	153.70 4.64 -88.18	129.67 6.01 -44.90	69.73 3.53 -21.65	84.80 4.95 -10.64	107.75 6.25 4.71	85.56 4.42 -1.71	89.16 3.61 -23.46	90.33 3.66 -21.21	88.57 3.24 -34.62	86.16 3.33 -27.33	67.34 3.61 2.80	115.44 6.28 4.04	142.53 7.61 -1.84	125.70 6.63 -1.86	153.06 8.02 2.05	118.30 6.60 6.25	96.06 5.16 4.68	96.19 5.03 4.27
ASTORIA_GT_12 24226	185.14 12.64 0.00	149.67 9.86 0.00	131.70 8.80 -0.01	135.84 9.22 -0.01	150.19 9.91 -0.01	166.17 9.41 -27.29	153.70 4.64 -88.18	129.67 6.01 -44.90	69.73 3.53 -21.65	84.80 4.95 -10.64	107.75 6.25 4.71	85.56 4.42 -1.71	89.16 3.61 -23.46	90.33 3.66 -21.21	88.57 3.24 -34.62	86.16 3.33 -27.33	67.34 3.61 2.80	115.44 6.28 4.04	142.53 7.61 -1.84	125.70 6.63 -1.86	153.06 8.02 2.05	118.30 6.60 6.25	96.06 5.16 4.68	96.19 5.03 4.27
ASTORIA_GT_13 24227	185.14 12.64 0.00	149.67 9.86 0.00	131.70 8.80 -0.01	135.84 9.22 -0.01	150.19 9.91 -0.01	166.17 9.41 -27.29	153.70 4.64 -88.18	129.67 6.01 -44.90	69.73 3.53 -21.65	84.80 4.95 -10.64	107.75 6.25 4.71	85.56 4.42 -1.71	89.16 3.61 -23.46	90.33 3.66 -21.21	88.57 3.24 -34.62	86.16 3.33 -27.33	67.34 3.61 2.80	115.44 6.28 4.04	142.53 7.61 -1.84	125.70 6.63 -1.86	153.06 8.02 2.05	118.30 6.60 6.25	96.06 5.16 4.68	96.19 5.03 4.27
ASTORIA_GT_5 24106	184.99 12.50 0.00	149.75 9.93 0.00	131.66 8.76 -0.01	135.80 9.18 -0.01	150.26 9.98 -0.01	166.22 9.47 -27.29	153.69 4.63 -88.18	129.50 5.84 -44.90	61.76 3.37 -13.83	73.28 4.71 0.64	107.40 5.90 4.71	80.68 4.16 2.90	63.80 3.37 1.66	66.93 3.45 1.98	52.85 3.12 0.98	57.18 3.15 1.47	67.22 3.50 2.80	113.79 6.14 5.55	138.40 7.65 2.33	120.64 6.86 3.42	150.72 8.34 4.71	118.35 7.01 6.60	96.53 5.63 4.67	96.61 5.45 4.27
ASTORIA_GT_7 24107	184.99 12.50 0.00	149.75 9.93 0.00	131.66 8.76 -0.01	135.80 9.18 -0.01	150.26 9.98 -0.01	166.22 9.47 -27.29	153.69 4.63 -88.18	129.50 5.84 -44.90	61.76 3.37 -13.83	73.28 4.71 0.64	107.40 5.90 4.71	80.68 4.16 2.90	63.80 3.37 1.66	66.93 3.45 1.98	52.85 3.12 0.98	57.18 3.15 1.47	67.22 3.50 2.80	113.79 6.14 5.55	138.40 7.65 2.33	120.64 6.86 3.42	150.72 8.34 4.71	118.35 7.01 6.60	96.53 5.63 4.67	96.61 5.45 4.27
ASTORIA_GT_8 24108	184.99 12.50 0.00	149.75 9.93 0.00	131.66 8.76 -0.01	135.80 9.18 -0.01	150.26 9.98 -0.01	166.22 9.47 -27.29	153.69 4.63 -88.18	129.50 5.84 -44.90	61.76 3.37 -13.83	73.28 4.71 0.64	107.40 5.90 4.71	80.68 4.16 2.90	63.80 3.37 1.66	66.93 3.45 1.98	52.85 3.12 0.98	57.18 3.15 1.47	67.22 3.50 2.80	113.79 6.14 5.55	138.40 7.65 2.33	120.64 6.86 3.42	150.72 8.34 4.71	118.35 7.01 6.60	96.53 5.63 4.67	96.61 5.45 4.27
ASTORIA___2 24149	184.63 12.14 0.00	149.49 9.67 0.00	131.44 8.54 -0.01	135.57 8.95 -0.01	149.98 9.70 -0.01	165.96 9.21 -27.29	153.57 4.51 -88.18	129.35 5.69 -44.90	61.67 3.29 -13.83	73.15 4.57 0.64	107.14 5.65 4.71	80.48 3.95 2.91	63.60 3.17 1.66	66.75 3.27 1.98	52.73 3.00 0.98	57.08 3.06 1.47	67.13 3.40 2.80	113.55 5.90 5.55	138.12 7.37 2.33	120.38 6.60 3.42	150.43 8.06 4.71	118.05 6.70 6.60	96.33 5.43 4.67	96.38 5.22 4.27
ASTORIA___3 23516	185.12 12.63 0.00	149.67 9.86 0.00	131.70 8.80 -0.01	135.83 9.21 -0.01	150.19 9.91 -0.01	166.14 9.39 -27.29	153.69 4.63 -88.18	129.67 6.01 -44.90	69.73 3.53 -21.65	84.82 4.96 -10.64	107.70 6.21 4.71	85.51 4.38 -1.71	89.13 3.58 -23.46	90.28 3.62 -21.21	88.54 3.22 -34.62	86.16 3.33 -27.33	67.35 3.63 2.80	115.45 6.29 4.04	142.53 7.60 -1.84	125.70 6.62 -1.86	153.04 8.01 2.05	118.24 6.54 6.25	96.06 5.15 4.68	96.18 5.03 4.27
ASTORIA___4 23517	185.14 12.64 0.00	149.67 9.86 0.00	131.70 8.80 -0.01	135.84 9.22 -0.01	150.19 9.91 -0.01	166.17 9.41 -27.29	153.70 4.64 -88.18	129.67 6.01 -44.90	69.73 3.53 -21.65	84.80 4.95 -10.64	107.75 6.25 4.71	85.56 4.42 -1.71	89.16 3.61 -23.46	90.33 3.66 -21.21	88.57 3.24 -34.62	86.16 3.33 -27.33	67.34 3.61 2.80	115.44 6.28 4.04	142.53 7.61 -1.84	125.70 6.63 -1.86	153.06 8.02 2.05	118.30 6.60 6.25	96.06 5.16 4.68	96.19 5.03 4.27
ASTORIA___5 23518	185.12 12.63 0.00	149.67 9.86 0.00	131.70 8.80 -0.01	135.83 9.21 -0.01	150.19 9.91 -0.01	166.14 9.39 -27.29	153.69 4.63 -88.18	129.67 6.01 -44.90	69.73 3.53 -21.65	84.82 4.96 -10.64	107.70 6.21 4.71	85.51 4.38 -1.71	89.13 3.58 -23.46	90.28 3.62 -21.21	88.54 3.22 -34.62	86.16 3.33 -27.33	67.35 3.63 2.80	115.45 6.29 4.04	142.53 7.60 -1.84	125.70 6.62 -1.86	153.04 8.01 2.05	118.24 6.54 6.25	96.06 5.15 4.68	96.18 5.03 4.27
AST_ENERGY_2_CC3 323677	116.39 11.67 67.77	119.21 9.05 29.66	121.23 8.15 9.81	135.23 8.62 0.00	149.47 9.20 0.00	165.51 8.77 -27.28	153.37 4.32 -88.17	129.26 5.60 -44.90	61.65 3.27 -13.83	73.15 4.57 0.63	107.17 5.68 4.71	80.44 3.92 2.91	63.66 3.22 1.66	66.72 3.24 1.98	52.66 2.94 0.98	57.03 3.00 1.47	66.97 3.25 2.81	113.29 5.64 5.55	137.55 6.81 2.33	119.80 6.02 3.42	149.68 7.31 4.71	117.47 6.13 6.60	95.63 4.73 4.68	95.85 4.70 4.27
AST_ENERGY_2_CC4 323678	116.39 11.67 67.77	119.21 9.05 29.66	121.23 8.15 9.81	135.23 8.62 0.00	149.47 9.20 0.00	165.51 8.77 -27.28	153.37 4.32 -88.17	129.26 5.60 -44.90	61.65 3.27 -13.83	73.15 4.57 0.63	107.17 5.68 4.71	80.44 3.92 2.91	63.66 3.22 1.66	66.72 3.24 1.98	52.66 2.94 0.98	57.03 3.00 1.47	66.97 3.25 2.81	113.29 5.64 5.55	137.55 6.81 2.33	119.80 6.02 3.42	149.68 7.31 4.71	117.47 6.13 6.60	95.63 4.73 4.68	95.85 4.70 4.27

ATHENS_STG_1 23668	180.46 7.97 0.00	146.00 6.19 0.00	128.45 5.56 0.00	132.34 5.73 0.00	146.62 6.35 0.00	165.44 6.06 -29.91	159.49 2.88 -95.74	130.15 3.73 -47.66	61.47 2.15 -14.77	71.62 2.99 0.58	105.50 3.61 4.31	79.25 2.49 2.66	62.59 2.02 1.52	65.77 2.12 1.82	51.66 1.86 0.90	56.01 1.86 1.35	66.16 2.20 2.57	112.12 4.01 5.08	135.86 4.92 2.14	118.46 4.39 3.14	148.04 5.27 4.31	116.18 4.28 6.05	94.74 3.44 4.28	94.94 3.42 3.91
ATHENS_STG_2 23670	180.46 7.97 0.00	146.00 6.19 0.00	128.45 5.56 0.00	132.34 5.73 0.00	146.62 6.35 0.00	165.44 6.06 -29.91	159.49 2.88 -95.74	130.15 3.73 -47.66	61.47 2.15 -14.77	71.62 2.99 0.58	105.50 3.61 4.31	79.25 2.49 2.66	62.59 2.02 1.52	65.77 2.12 1.82	51.66 1.86 0.90	56.01 1.86 1.35	66.16 2.20 2.57	112.12 4.01 5.08	135.86 4.92 2.14	118.46 4.39 3.14	148.04 5.27 4.31	116.18 4.28 6.05	94.74 3.44 4.28	94.94 3.42 3.91
ATHENS_STG_3 23677	180.46 7.97 0.00	146.00 6.19 0.00	128.45 5.56 0.00	132.34 5.73 0.00	146.62 6.35 0.00	165.44 6.06 -29.91	159.49 2.88 -95.74	130.15 3.73 -47.66	61.47 2.15 -14.77	71.62 2.99 0.58	105.50 3.61 4.31	79.25 2.49 2.66	62.59 2.02 1.52	65.77 2.12 1.82	51.66 1.86 0.90	56.01 1.86 1.35	66.16 2.20 2.57	112.12 4.01 5.08	135.86 4.92 2.14	118.46 4.39 3.14	148.04 5.27 4.31	116.18 4.28 6.05	94.74 3.44 4.28	94.94 3.42 3.91
AUBURN___LFGE 323710	180.18 -3.04 -10.73	143.52 -2.35 -6.06	124.99 -1.95 -4.06	127.73 -2.18 -3.29	143.02 -2.56 -5.32	142.11 -1.79 -14.44	83.19 -0.78 -23.09	89.87 -1.35 -12.46	46.57 -0.84 -2.85	67.36 -1.85 0.00	62.77 -3.22 40.21	51.52 -2.70 25.21	44.95 -2.42 14.72	45.95 -2.61 16.90	40.29 -1.97 8.45	42.76 -1.83 10.91	42.44 -1.73 22.36	67.25 -2.73 43.21	123.45 -2.41 7.22	91.62 -2.08 23.51	125.58 -2.88 18.62	67.34 -2.49 48.13	60.91 -2.14 32.52	59.59 -2.21 33.63
BABYLON_RES_REC 323704	186.75 14.26 0.00	151.64 11.82 0.00	133.34 10.45 0.00	137.53 10.92 0.00	152.06 11.79 0.00	168.02 11.28 -27.27	154.61 5.59 -88.15	130.68 7.03 -44.89	62.26 3.88 -13.82	73.95 5.37 0.63	108.50 7.00 4.71	81.38 4.86 2.91	64.19 3.75 1.66	67.34 3.87 1.98	53.14 3.42 0.98	57.72 3.69 1.47	68.13 4.41 2.81	117.89 8.55 3.86	141.16 10.41 2.33	126.13 9.25 0.33	156.49 11.21 1.80	127.10 9.11 -0.03	97.76 6.86 4.68	97.89 6.73 4.27
BABYLON___69_KV_BK2 356345	188.66 16.17 0.00	153.32 13.50 0.00	134.78 11.89 0.00	139.05 12.44 0.00	153.72 13.45 0.00	169.60 12.86 -27.27	155.41 6.38 -88.15	131.67 8.02 -44.89	62.81 4.43 -13.82	74.77 6.19 0.63	109.77 8.28 4.71	82.32 5.80 2.91	64.90 4.46 1.66	68.09 4.61 1.98	53.71 4.00 0.98	58.38 4.35 1.47	68.96 5.24 2.81	119.40 10.06 3.86	142.96 12.21 2.33	127.76 10.89 0.33	158.46 13.18 1.80	128.63 10.64 -0.03	98.95 8.05 4.68	99.06 7.90 4.27
BALL_HILL_WT_PWR 323825	124.92 -15.09 32.48	109.70 -11.76 18.37	100.33 -10.26 12.30	105.98 -10.64 9.99	112.43 -11.72 16.12	92.13 -10.93 26.40	41.78 -5.69 13.41	62.12 -7.76 8.87	40.15 -4.33 0.07	39.93 -7.19 22.09	44.58 -11.72 49.90	41.62 -8.90 28.90	37.72 -7.02 17.35	36.38 -7.60 21.48	34.29 -5.97 10.45	29.93 -6.68 18.89	27.06 -8.08 31.39	35.49 -12.49 65.21	58.26 -14.18 60.64	55.14 -12.21 49.85	22.04 -14.82 110.22	18.21 -12.00 87.74	18.74 -9.75 67.08	36.90 -9.60 48.92
BARON_WINDS___WT_PWR 323822	103.73 -13.68 55.08	98.15 -10.57 31.10	93.37 -8.69 20.83	100.91 -8.78 16.92	102.89 -10.07 27.30	73.03 -9.46 46.97	26.03 -4.79 30.06	54.05 -6.10 18.61	38.17 -3.52 2.86	25.96 -6.25 37.00	22.20 -10.73 73.27	31.67 -8.41 39.34	24.10 -6.54 31.45	25.17 -7.31 32.98	29.05 -5.54 16.11	27.36 -5.84 22.30	25.57 -6.30 34.66	29.71 -9.62 73.86	34.93 -10.83 87.32	45.62 -9.76 61.83	-21.52 -12.40 156.20	2.00 -10.84 105.11	2.68 -9.00 83.89	31.70 -9.04 54.69
BARRETT_IC_1 23704	185.88 13.40 0.00	150.68 10.86 0.00	132.49 9.59 0.00	136.63 10.01 0.00	151.14 10.87 0.00	167.12 10.39 -27.27	154.01 4.99 -88.15	129.78 6.13 -44.89	61.82 3.45 -13.82	73.37 4.79 0.63	107.63 6.14 4.71	80.93 4.41 2.91	63.89 3.46 1.66	67.03 3.56 1.98	52.83 3.11 0.98	57.31 3.28 1.47	67.58 3.85 2.81	116.24 6.91 3.86	139.16 8.41 2.33	124.37 7.50 0.33	154.55 9.27 1.80	125.74 7.75 -0.03	96.76 5.87 4.68	96.92 5.76 4.27
BARRETT_IC_10 23701	185.88 13.40 0.00	150.68 10.86 0.00	132.49 9.59 0.00	136.63 10.01 0.00	151.14 10.87 0.00	167.12 10.39 -27.27	154.01 4.99 -88.15	129.78 6.13 -44.89	61.82 3.45 -13.82	73.37 4.79 0.63	107.63 6.14 4.71	80.93 4.41 2.91	63.89 3.46 1.66	67.03 3.56 1.98	52.83 3.11 0.98	57.31 3.28 1.47	67.58 3.85 2.81	116.24 6.91 3.86	139.16 8.41 2.33	124.37 7.50 0.33	154.55 9.27 1.80	125.74 7.75 -0.03	96.76 5.87 4.68	96.92 5.76 4.27
BARRETT_IC_11 23702	185.88 13.40 0.00	150.68 10.86 0.00	132.49 9.59 0.00	136.63 10.01 0.00	151.14 10.87 0.00	167.12 10.39 -27.27	154.01 4.99 -88.15	129.78 6.13 -44.89	61.82 3.45 -13.82	73.37 4.79 0.63	107.63 6.14 4.71	80.93 4.41 2.91	63.89 3.46 1.66	67.03 3.56 1.98	52.83 3.11 0.98	57.31 3.28 1.47	67.58 3.85 2.81	116.24 6.91 3.86	139.16 8.41 2.33	124.37 7.50 0.33	154.55 9.27 1.80	125.74 7.75 -0.03	96.76 5.87 4.68	96.92 5.76 4.27
BARRETT_IC_12 23703	185.88 13.40 0.00	150.68 10.86 0.00	132.49 9.59 0.00	136.63 10.01 0.00	151.14 10.87 0.00	167.12 10.39 -27.27	154.01 4.99 -88.15	129.78 6.13 -44.89	61.82 3.45 -13.82	73.37 4.79 0.63	107.63 6.14 4.71	80.93 4.41 2.91	63.89 3.46 1.66	67.03 3.56 1.98	52.83 3.11 0.98	57.31 3.28 1.47	67.58 3.85 2.81	116.24 6.91 3.86	139.16 8.41 2.33	124.37 7.50 0.33	154.55 9.27 1.80	125.74 7.75 -0.03	96.76 5.87 4.68	96.92 5.76 4.27
BARRETT_IC_2 23705	185.88 13.40 0.00	150.68 10.86 0.00	132.49 9.59 0.00	136.63 10.01 0.00	151.14 10.87 0.00	167.12 10.39 -27.27	154.01 4.99 -88.15	129.78 6.13 -44.89	61.82 3.45 -13.82	73.37 4.79 0.63	107.63 6.14 4.71	80.93 4.41 2.91	63.89 3.46 1.66	67.03 3.56 1.98	52.83 3.11 0.98	57.31 3.28 1.47	67.58 3.85 2.81	116.24 6.91 3.86	139.16 8.41 2.33	124.37 7.50 0.33	154.55 9.27 1.80	125.74 7.75 -0.03	96.76 5.87 4.68	96.92 5.76 4.27
BARRETT_IC_3 23706	185.88 13.40 0.00	150.68 10.86 0.00	132.49 9.59 0.00	136.63 10.01 0.00	151.14 10.87 0.00	167.12 10.39 -27.27	154.01 4.99 -88.15	129.78 6.13 -44.89	61.82 3.45 -13.82	73.37 4.79 0.63	107.63 6.14 4.71	80.93 4.41 2.91	63.89 3.46 1.66	67.03 3.56 1.98	52.83 3.11 0.98	57.31 3.28 1.47	67.58 3.85 2.81	116.24 6.91 3.86	139.16 8.41 2.33	124.37 7.50 0.33	154.55 9.27 1.80	125.74 7.75 -0.03	96.76 5.87 4.68	96.92 5.76 4.27
BARRETT_IC_4 23707	185.88 13.40 0.00	150.68 10.86 0.00	132.49 9.59 0.00	136.63 10.01 0.00	151.14 10.87 0.00	167.12 10.39 -27.27	154.01 4.99 -88.15	129.78 6.13 -44.89	61.82 3.45 -13.82	73.37 4.79 0.63	107.63 6.14 4.71	80.93 4.41 2.91	63.89 3.46 1.66	67.03 3.56 1.98	52.83 3.11 0.98	57.31 3.28 1.47	67.58 3.85 2.81	116.24 6.91 3.86	139.16 8.41 2.33	124.37 7.50 0.33	154.55 9.27 1.80	125.74 7.75 -0.03	96.76 5.87 4.68	96.92 5.76 4.27

BARRETT_IC_5 23708	185.88 13.40 0.00	150.68 10.86 0.00	132.49 9.59 0.00	136.63 10.01 0.00	151.14 10.87 0.00	167.12 10.39 -27.27	154.01 4.99 -88.15	129.78 6.13 -44.89	61.82 3.45 -13.82	73.37 4.79 0.63	107.63 6.14 4.71	80.93 4.41 2.91	63.89 3.46 1.66	67.03 3.56 1.98	52.83 3.11 0.98	57.31 3.28 1.47	67.58 3.85 2.81	116.24 6.91 3.86	139.16 8.41 2.33	124.37 7.50 0.33	154.55 9.27 1.80	125.74 7.75 -0.03	96.76 5.87 4.68	96.92 5.76 4.27
BARRETT_IC_6 23709	185.88 13.40 0.00	150.68 10.86 0.00	132.49 9.59 0.00	136.63 10.01 0.00	151.14 10.87 0.00	167.12 10.39 -27.27	154.01 4.99 -88.15	129.78 6.13 -44.89	61.82 3.45 -13.82	73.37 4.79 0.63	107.63 6.14 4.71	80.93 4.41 2.91	63.89 3.46 1.66	67.03 3.56 1.98	52.83 3.11 0.98	57.31 3.28 1.47	67.58 3.85 2.81	116.24 6.91 3.86	139.16 8.41 2.33	124.37 7.50 0.33	154.55 9.27 1.80	125.74 7.75 -0.03	96.76 5.87 4.68	96.92 5.76 4.27
BARRETT_IC_7 23710	185.88 13.39 0.00	150.66 10.84 0.00	132.48 9.59 0.00	136.63 10.01 0.00	151.12 10.85 0.00	167.13 10.40 -27.27	154.02 5.00 -88.15	129.79 6.14 -44.89	61.83 3.45 -13.82	73.36 4.79 0.63	107.66 6.17 4.71	80.95 4.43 2.91	63.92 3.48 1.66	67.05 3.58 1.98	52.84 3.12 0.98	57.31 3.28 1.47	67.56 3.84 2.81	116.24 6.91 3.86	139.15 8.40 2.33	124.37 7.49 0.33	154.53 9.25 1.80	125.78 7.79 -0.03	96.78 5.88 4.68	96.95 5.79 4.27
BARRETT_IC_8 23711	185.88 13.40 0.00	150.68 10.86 0.00	132.49 9.59 0.00	136.63 10.01 0.00	151.14 10.87 0.00	167.12 10.39 -27.27	154.01 4.99 -88.15	129.78 6.13 -44.89	61.82 3.45 -13.82	73.37 4.79 0.63	107.63 6.14 4.71	80.93 4.41 2.91	63.89 3.46 1.66	67.03 3.56 1.98	52.83 3.11 0.98	57.31 3.28 1.47	67.58 3.85 2.81	116.24 6.91 3.86	139.16 8.41 2.33	124.37 7.50 0.33	154.55 9.27 1.80	125.74 7.75 -0.03	96.76 5.87 4.68	96.92 5.76 4.27
BARRETT_IC_9 23700	185.88 13.40 0.00	150.68 10.86 0.00	132.49 9.59 0.00	136.63 10.01 0.00	151.14 10.87 0.00	167.12 10.39 -27.27	154.01 4.99 -88.15	129.78 6.13 -44.89	61.82 3.45 -13.82	73.37 4.79 0.63	107.63 6.14 4.71	80.93 4.41 2.91	63.89 3.46 1.66	67.03 3.56 1.98	52.83 3.11 0.98	57.31 3.28 1.47	67.58 3.85 2.81	116.24 6.91 3.86	139.16 8.41 2.33	124.37 7.50 0.33	154.55 9.27 1.80	125.74 7.75 -0.03	96.76 5.87 4.68	96.92 5.76 4.27
BARRETT___1 23545	185.88 13.40 0.00	150.68 10.86 0.00	132.49 9.59 0.00	136.63 10.01 0.00	151.14 10.87 0.00	167.12 10.39 -27.27	154.01 4.99 -88.15	129.78 6.13 -44.89	61.82 3.45 -13.82	73.37 4.79 0.63	107.63 6.14 4.71	80.93 4.41 2.91	63.89 3.46 1.66	67.03 3.56 1.98	52.83 3.11 0.98	57.31 3.28 1.47	67.58 3.85 2.81	116.24 6.91 3.86	139.16 8.41 2.33	124.37 7.50 0.33	154.55 9.27 1.80	125.74 7.75 -0.03	96.76 5.87 4.68	96.92 5.76 4.27
BARRETT___2 23546	185.88 13.40 0.00	150.68 10.86 0.00	132.49 9.59 0.00	136.63 10.01 0.00	151.14 10.87 0.00	167.12 10.39 -27.27	154.01 4.99 -88.15	129.78 6.13 -44.89	61.82 3.45 -13.82	73.37 4.79 0.63	107.63 6.14 4.71	80.93 4.41 2.91	63.89 3.46 1.66	67.03 3.56 1.98	52.83 3.11 0.98	57.31 3.28 1.47	67.58 3.85 2.81	116.24 6.91 3.86	139.16 8.41 2.33	124.37 7.50 0.33	154.55 9.27 1.80	125.74 7.75 -0.03	96.76 5.87 4.68	96.92 5.76 4.27
BATAVIA__115KV_TB1 55881	136.83 -12.00 23.66	117.31 -9.01 13.49	105.93 -7.92 9.03	110.95 -8.32 7.34	119.39 -9.04 11.84	102.86 -7.86 18.74	49.05 -4.16 7.66	67.47 -5.95 5.35	41.58 -3.34 -0.37	45.87 -5.74 17.60	48.24 -9.96 48.01	43.14 -7.89 28.40	39.21 -6.45 16.43	37.92 -7.03 20.51	35.06 -5.63 10.01	31.60 -6.17 17.72	28.99 -7.10 30.43	40.50 -10.24 62.46	71.14 -11.33 50.62	61.76 -9.82 45.62	42.52 -11.57 92.99	26.76 -9.48 81.71	26.76 -7.32 61.49	40.94 -7.28 47.20
BAYONEEC___CTG1 323682	184.10 11.61 0.00	148.83 9.02 0.00	130.97 8.08 0.00	135.07 8.46 0.00	149.38 9.10 0.00	165.39 8.65 -27.28	153.31 4.26 -88.17	129.17 5.51 -44.90	61.60 3.22 -13.83	73.07 4.49 0.63	107.04 5.55 4.71	80.35 3.82 2.91	63.59 3.15 1.66	66.67 3.19 1.98	52.60 2.89 0.98	57.01 2.98 1.47	66.99 3.27 2.81	84.59 5.73 34.33	81.59 6.88 58.37	73.53 6.07 49.74	109.08 7.40 45.40	73.92 6.13 50.16	63.41 4.77 36.94	73.09 4.67 27.01
BAYONEEC___CTG10 323750	184.10 11.61 0.00	148.83 9.02 0.00	130.97 8.08 0.00	135.07 8.46 0.00	149.38 9.10 0.00	165.39 8.65 -27.28	153.31 4.26 -88.17	129.17 5.51 -44.90	61.60 3.22 -13.83	73.07 4.49 0.63	107.04 5.55 4.71	80.35 3.82 2.91	63.59 3.15 1.66	66.67 3.19 1.98	52.60 2.89 0.98	57.01 2.98 1.47	66.99 3.27 2.81	84.59 5.73 34.33	81.59 6.88 58.37	73.53 6.07 49.74	109.08 7.40 45.40	73.92 6.13 50.16	63.41 4.77 36.94	73.09 4.67 27.01
BAYONEEC___CTG2 323683	184.10 11.61 0.00	148.83 9.02 0.00	130.97 8.08 0.00	135.07 8.46 0.00	149.38 9.10 0.00	165.39 8.65 -27.28	153.31 4.26 -88.17	129.17 5.51 -44.90	61.60 3.22 -13.83	73.07 4.49 0.63	107.04 5.55 4.71	80.35 3.82 2.91	63.59 3.15 1.66	66.67 3.19 1.98	52.60 2.89 0.98	57.01 2.98 1.47	66.99 3.27 2.81	84.59 5.73 34.33	81.59 6.88 58.37	73.53 6.07 49.74	109.08 7.40 45.40	73.92 6.13 50.16	63.41 4.77 36.94	73.09 4.67 27.01
BAYONEEC___CTG3 323684	184.10 11.61 0.00	148.83 9.02 0.00	130.97 8.08 0.00	135.07 8.46 0.00	149.38 9.10 0.00	165.39 8.65 -27.28	153.31 4.26 -88.17	129.17 5.51 -44.90	61.60 3.22 -13.83	73.07 4.49 0.63	107.04 5.55 4.71	80.35 3.82 2.91	63.59 3.15 1.66	66.67 3.19 1.98	52.60 2.89 0.98	57.01 2.98 1.47	66.99 3.27 2.81	84.59 5.73 34.33	81.59 6.88 58.37	73.53 6.07 49.74	109.08 7.40 45.40	73.92 6.13 50.16	63.41 4.77 36.94	73.09 4.67 27.01
BAYONEEC___CTG4 323685	184.10 11.61 0.00	148.83 9.02 0.00	130.97 8.08 0.00	135.07 8.46 0.00	149.38 9.10 0.00	165.39 8.65 -27.28	153.31 4.26 -88.17	129.17 5.51 -44.90	61.60 3.22 -13.83	73.07 4.49 0.63	107.04 5.55 4.71	80.35 3.82 2.91	63.59 3.15 1.66	66.67 3.19 1.98	52.60 2.89 0.98	57.01 2.98 1.47	66.99 3.27 2.81	84.59 5.73 34.33	81.59 6.88 58.37	73.53 6.07 49.74	109.08 7.40 45.40	73.92 6.13 50.16	63.41 4.77 36.94	73.09 4.67 27.01
BAYONEEC___CTG5 323686	184.10 11.61 0.00	148.83 9.02 0.00	130.97 8.08 0.00	135.07 8.46 0.00	149.38 9.10 0.00	165.39 8.65 -27.28	153.31 4.26 -88.17	129.17 5.51 -44.90	61.60 3.22 -13.83	73.07 4.49 0.63	107.04 5.55 4.71	80.35 3.82 2.91	63.59 3.15 1.66	66.67 3.19 1.98	52.60 2.89 0.98	57.01 2.98 1.47	66.99 3.27 2.81	84.59 5.73 34.33	81.59 6.88 58.37	73.53 6.07 49.74	109.08 7.40 45.40	73.92 6.13 50.16	63.41 4.77 36.94	73.09 4.67 27.01
BAYONEEC___CTG6 323687	184.10 11.61 0.00	148.83 9.02 0.00	130.97 8.08 0.00	135.07 8.46 0.00	149.38 9.10 0.00	165.39 8.65 -27.28	153.31 4.26 -88.17	129.17 5.51 -44.90	61.60 3.22 -13.83	73.07 4.49 0.63	107.04 5.55 4.71	80.35 3.82 2.91	63.59 3.15 1.66	66.67 3.19 1.98	52.60 2.89 0.98	57.01 2.98 1.47	66.99 3.27 2.81	84.59 5.73 34.33	81.59 6.88 58.37	73.53 6.07 49.74	109.08 7.40 45.40	73.92 6.13 50.16	63.41 4.77 36.94	73.09 4.67 27.01

BAYONEEC___CTG7 323688	184.10 11.61 0.00	148.83 9.02 0.00	130.97 8.08 0.00	135.07 8.46 0.00	149.38 9.10 0.00	165.39 8.65 -27.28	153.31 4.26 -88.17	129.17 5.51 -44.90	61.60 3.22 -13.83	73.07 4.49 0.63	107.04 5.55 4.71	80.35 3.82 2.91	63.59 3.15 1.66	66.67 3.19 1.98	52.60 2.89 0.98	57.01 2.98 1.47	66.99 3.27 2.81	84.59 5.73 34.33	81.59 6.88 58.37	73.53 6.07 49.74	109.08 7.40 45.40	73.92 6.13 50.16	63.41 4.77 36.94	73.09 4.67 27.01
BAYONEEC___CTG8 323689	184.10 11.61 0.00	148.83 9.02 0.00	130.97 8.08 0.00	135.07 8.46 0.00	149.38 9.10 0.00	165.39 8.65 -27.28	153.31 4.26 -88.17	129.17 5.51 -44.90	61.60 3.22 -13.83	73.07 4.49 0.63	107.04 5.55 4.71	80.35 3.82 2.91	63.59 3.15 1.66	66.67 3.19 1.98	52.60 2.89 0.98	57.01 2.98 1.47	66.99 3.27 2.81	84.59 5.73 34.33	81.59 6.88 58.37	73.53 6.07 49.74	109.08 7.40 45.40	73.92 6.13 50.16	63.41 4.77 36.94	73.09 4.67 27.01
BAYONEEC___CTG9 323749	184.10 11.61 0.00	148.83 9.02 0.00	130.97 8.08 0.00	135.07 8.46 0.00	149.38 9.10 0.00	165.39 8.65 -27.28	153.31 4.26 -88.17	129.17 5.51 -44.90	61.60 3.22 -13.83	73.07 4.49 0.63	107.04 5.55 4.71	80.35 3.82 2.91	63.59 3.15 1.66	66.67 3.19 1.98	52.60 2.89 0.98	57.01 2.98 1.47	66.99 3.27 2.81	84.59 5.73 34.33	81.59 6.88 58.37	73.53 6.07 49.74	109.08 7.40 45.40	73.92 6.13 50.16	63.41 4.77 36.94	73.09 4.67 27.01
BEACON___LESR 323632	182.54 10.05 0.00	147.74 7.92 0.00	129.94 7.05 0.00	133.82 7.21 0.00	148.45 8.18 0.00	170.15 7.39 -33.30	185.08 3.44 -120.76	159.58 4.44 -76.38	69.47 2.51 -22.41	72.42 3.68 0.47	107.18 4.46 3.48	80.53 3.25 2.15	63.33 2.46 1.22	66.59 2.59 1.47	52.04 2.06 0.73	56.55 2.14 1.09	67.11 2.66 2.07	113.71 4.62 4.10	137.19 5.83 1.73	119.98 5.30 2.53	148.04 6.05 5.09	118.33 5.27 4.88	96.50 4.38 3.46	97.04 4.76 3.15
BEAVER RIVER___HYD 24048	178.38 5.89 0.00	145.38 5.57 0.00	127.07 4.18 0.00	130.49 3.89 0.00	145.60 5.33 0.00	135.14 4.41 -1.27	66.10 1.55 -3.67	81.51 1.34 -1.42	45.55 0.54 -0.46	67.87 0.99 2.33	91.73 2.79 17.27	70.18 1.42 10.66	56.74 0.71 6.07	59.52 1.33 7.27	47.54 0.45 3.61	50.79 0.69 5.39	57.16 0.92 10.28	96.79 3.94 20.35	130.16 5.64 8.56	108.83 4.19 12.56	133.08 3.28 17.28	95.70 1.98 24.23	78.91 0.49 17.15	79.86 0.08 15.64
BEEBEE_GT_13 23619	143.17 -11.71 17.61	120.97 -8.90 9.94	108.51 -7.72 6.66	113.10 -8.11 5.41	122.74 -8.81 8.73	108.38 -7.93 13.16	53.24 -4.02 3.62	70.30 -5.46 3.00	42.28 -3.03 -0.76	49.62 -5.19 14.41	51.90 -8.62 45.68	45.34 -6.55 27.54	41.70 -5.31 15.08	40.47 -4.44 19.29	36.82 -4.44 9.44	33.69 -4.86 16.94	30.94 -5.78 29.80	43.69 -8.86 60.65	79.58 -10.01 43.49	65.79 -8.79 42.63	55.24 -10.68 81.16	31.52 -8.74 77.69	31.09 -6.96 57.52	42.65 -6.81 45.96
BENSHRST_27_KV_BENSHRST_1 355998	297.61 14.51 -110.61	151.14 11.31 -0.01	132.95 10.05 -0.01	137.13 10.51 -0.01	151.71 11.43 -0.01	167.54 10.78 -27.29	269.33 5.35 -203.10	176.63 6.92 -90.95	110.71 4.09 -62.06	139.89 5.79 -64.88	263.03 7.48 -149.35	309.45 5.38 -224.65	314.89 4.33 -248.47	301.89 4.51 -231.92	306.54 3.88 -251.95	310.84 4.03 -251.31	181.60 4.48 -110.59	356.19 7.73 -235.26	478.55 9.38 -336.09	527.64 8.22 -402.22	507.08 10.00 -350.00	330.41 8.15 -204.31	308.37 6.43 -206.36	105.78 6.26 -4.09
BETHLEHEM___GRP 23843	179.03 6.54 0.00	145.36 5.55 0.00	127.98 5.09 0.00	131.86 5.25 0.00	146.12 5.84 0.00	167.98 5.19 -33.33	183.70 2.32 -120.51	157.58 2.96 -75.86	68.54 1.72 -22.27	71.27 2.53 0.47	105.41 2.68 3.47	79.49 2.21 2.14	62.62 1.75 1.22	65.84 1.84 1.46	51.48 1.50 0.72	55.72 1.31 1.08	66.02 1.56 2.07	111.52 2.42 4.09	134.54 3.18 1.72	117.96 3.29 2.53	145.99 3.22 4.31	116.23 3.15 4.87	94.88 2.75 3.45	95.47 3.20 3.15
BETHLEHEM___GS1 323560	179.08 6.59 0.00	145.39 5.58 0.00	127.98 5.09 0.00	131.86 5.25 0.00	146.12 5.84 0.00	167.97 5.18 -33.33	183.69 2.31 -120.51	157.57 2.95 -75.86	68.54 1.72 -22.27	71.27 2.53 0.47	105.37 2.64 3.47	79.46 2.19 2.14	62.61 1.74 1.22	65.82 1.83 1.46	51.48 1.51 0.72	55.73 1.32 1.08	66.05 1.59 2.07	111.53 2.43 4.09	134.52 3.16 1.72	117.97 3.29 2.53	145.99 3.23 4.31	116.21 3.13 4.87	94.87 2.74 3.45	95.46 3.18 3.15
BETHLEHEM___GS2 323561	179.08 6.59 0.00	145.39 5.58 0.00	127.98 5.09 0.00	131.86 5.25 0.00	146.12 5.84 0.00	167.97 5.18 -33.33	183.69 2.31 -120.51	157.57 2.95 -75.86	68.54 1.72 -22.27	71.27 2.53 0.47	105.37 2.64 3.47	79.46 2.19 2.14	62.61 1.74 1.22	65.82 1.83 1.46	51.48 1.51 0.72	55.73 1.32 1.08	66.05 1.59 2.07	111.53 2.43 4.09	134.52 3.16 1.72	117.97 3.29 2.53	145.99 3.23 4.31	116.21 3.13 4.87	94.87 2.74 3.45	95.46 3.18 3.15
BETHLEHEM___GS3 323562	179.08 6.59 0.00	145.39 5.58 0.00	127.98 5.09 0.00	131.86 5.25 0.00	146.12 5.84 0.00	167.97 5.18 -33.33	183.69 2.31 -120.51	157.57 2.95 -75.86	68.54 1.72 -22.27	71.27 2.53 0.47	105.37 2.64 3.47	79.46 2.19 2.14	62.61 1.74 1.22	65.82 1.83 1.46	51.48 1.51 0.72	55.73 1.32 1.08	66.05 1.59 2.07	111.53 2.43 4.09	134.52 3.16 1.72	117.97 3.29 2.53	145.99 3.23 4.31	116.21 3.13 4.87	94.87 2.74 3.45	95.46 3.18 3.15
BETHLEHEM___STEEL 23779	125.99 -14.94 31.56	110.71 -11.22 17.88	101.17 -9.74 11.97	106.67 -10.22 9.72	113.35 -11.23 15.70	93.66 -10.15 25.65	42.61 -5.40 12.86	62.73 -7.51 8.52	40.35 -4.16 0.04	40.70 -6.87 21.65	44.67 -11.67 49.87	41.66 -8.84 28.93	37.66 -7.09 17.35	36.49 -7.50 21.46	34.35 -5.91 10.44	30.23 -6.49 18.78	27.33 -7.89 31.31	35.90 -12.34 64.96	59.33 -14.11 59.64	55.55 -12.21 49.44	24.09 -14.53 108.46	18.97 -11.83 87.15	19.74 -9.28 66.55	37.56 -9.09 48.78
BETHLHEM_115KV_TB1 79974	179.09 6.60 0.00	145.31 5.49 0.00	127.96 5.06 0.00	131.81 5.19 0.00	146.06 5.79 0.00	167.94 5.17 -33.30	182.88 2.34 -119.67	156.33 3.01 -74.56	68.23 1.73 -21.94	71.27 2.53 0.47	105.46 2.72 3.47	79.44 2.16 2.14	62.60 1.73 1.22	65.83 1.83 1.46	51.48 1.51 0.72	55.76 1.35 1.08	66.07 1.61 2.07	111.70 2.60 4.09	134.75 3.39 1.72	118.06 3.38 2.53	146.27 3.45 4.26	116.35 3.27 4.87	94.91 2.78 3.45	95.44 3.16 3.15
BETHPAGE_CC_5 323564	185.57 13.08 0.00	150.64 10.82 0.00	132.44 9.55 0.00	136.56 9.95 0.00	151.01 10.74 0.00	167.06 10.32 -27.27	154.10 5.07 -88.15	130.01 6.36 -44.89	61.93 3.56 -13.82	73.50 4.92 0.63	107.70 6.21 4.71	81.05 4.53 2.91	63.96 3.52 1.66	67.11 3.63 1.98	52.94 3.22 0.98	57.40 3.37 1.47	67.59 3.87 2.81	116.75 7.42 3.86	139.79 9.04 2.33	124.94 8.07 0.33	155.01 9.73 1.80	125.91 7.92 -0.03	96.86 5.97 4.68	97.01 5.85 4.27
BIGTREE_115_KV_TB2_REV_LBMP_A 345034	126.56 -13.78 32.15	111.26 -10.35 18.21	101.71 -8.99 12.20	107.29 -9.42 9.91	114.00 -10.28 15.99	93.96 -9.33 26.17	42.61 -5.04 13.23	63.03 -6.98 8.75	40.66 -3.86 0.03	40.97 -6.38 21.86	45.71 -10.97 49.52	42.38 -8.31 28.73	38.31 -6.67 17.11	37.07 -7.09 21.29	34.75 -5.60 10.35	30.53 -6.11 18.85	27.74 -7.43 31.36	36.46 -11.62 65.12	59.58 -13.19 60.31	56.06 -11.43 49.72	23.88 -13.61 109.59	19.38 -11.05 87.53	20.07 -8.62 66.88	38.05 -8.50 48.88

BINGHAMTON___COGEN 23790	155.08 -2.74 14.67	129.35 -2.19 8.28	115.48 -1.87 5.55	120.11 -2.00 4.50	131.07 -1.93 7.27	122.66 -1.71 5.10	76.42 -0.83 -16.38	85.62 -1.07 -7.93	47.78 -0.60 -3.82	59.24 -1.42 8.55	72.52 -2.83 30.85	58.53 -2.40 18.49	50.18 -1.88 10.03	50.35 -2.07 13.04	42.81 -1.53 6.36	41.92 -1.71 11.87	44.14 -1.85 20.54	68.57 -2.58 42.05	97.57 -2.85 32.67	84.46 -2.47 30.28	83.16 -3.50 60.42	60.53 -2.80 54.62	52.42 -2.39 40.77	61.33 -2.33 31.77
BIXINCNT_115KV_LOAD 355685	124.34 -12.66 35.49	110.17 -9.56 20.08	101.95 -7.49 13.45	108.05 -7.63 10.92	114.43 -8.21 17.63	92.09 -8.25 29.13	40.20 -5.19 15.48	62.76 -6.02 9.98	41.46 -3.09 0.01	40.71 -5.38 23.13	48.96 -9.46 47.78	44.50 -7.18 27.74	40.50 -5.77 15.83	38.58 -6.42 20.46	35.73 -5.06 9.91	30.81 -5.38 19.30	28.30 -6.48 31.75	36.01 -10.97 66.21	57.08 -11.84 64.16	55.33 -10.51 51.36	17.61 -13.38 116.09	17.97 -10.13 89.85	19.11 -7.55 68.92	37.59 -8.26 49.58
BLACK RIVER___HYD 24047	180.40 7.91 0.00	147.08 7.26 0.00	128.38 5.49 0.00	131.90 5.29 0.00	147.45 7.17 0.00	137.55 6.28 -1.81	68.36 2.27 -5.21	82.82 2.04 -2.01	46.11 0.90 -0.65	67.30 1.48 3.40	84.59 3.59 25.21	65.40 1.53 15.55	53.84 0.61 8.86	56.00 1.16 10.62	45.56 0.12 5.26	48.25 0.62 7.87	52.42 0.91 15.01	88.76 5.26 29.70	127.94 7.35 12.49	104.41 5.53 18.33	126.01 4.14 25.22	84.97 2.38 35.37	71.20 0.65 25.03	72.80 0.21 22.83
BLACKRVR_115KV_TB2 79977	180.42 7.93 0.00	147.10 7.28 0.00	128.37 5.48 0.00	131.90 5.28 0.00	147.44 7.17 0.00	137.57 6.30 -1.81	68.36 2.28 -5.21	82.81 2.04 -2.01	46.11 0.90 -0.65	67.28 1.47 3.40	84.55 3.55 25.21	65.38 1.51 15.55	53.84 0.61 8.86	55.99 1.15 10.62	45.55 0.11 5.26	48.26 0.63 7.87	52.42 0.90 15.01	88.76 5.27 29.70	127.94 7.35 12.49	104.41 5.53 18.33	126.01 4.15 25.22	84.96 2.37 35.37	71.20 0.65 25.03	72.81 0.22 22.83
BLISS_WT_PWR 323608	123.23 -13.77 35.49	109.38 -10.35 20.08	101.57 -7.87 13.45	107.72 -7.96 10.92	114.00 -8.64 17.63	91.39 -8.95 29.13	39.72 -5.67 15.48	62.46 -6.32 9.98	41.35 -3.19 0.01	40.56 -5.52 23.13	48.83 -9.59 47.78	44.46 -7.22 27.74	40.54 -5.72 15.83	38.43 -6.56 20.46	35.61 -5.18 9.91	30.63 -5.56 19.30	28.12 -6.66 31.75	35.53 -11.46 66.21	56.80 -12.13 64.16	54.99 -10.85 51.36	16.92 -14.07 116.09	17.64 -10.45 89.85	18.87 -7.78 68.92	37.07 -8.78 49.58
BLUESTONE___WT_PWR 323821	188.96 0.54 -15.93	150.01 1.20 -8.99	129.50 0.59 -6.02	132.69 1.18 -4.89	152.90 4.73 -7.90	159.91 5.19 -25.25	111.95 2.73 -48.34	110.28 3.84 -27.68	53.62 2.16 -6.91	78.65 3.12 -6.32	88.38 4.05 21.88	67.45 2.11 14.08	54.90 1.37 8.57	57.38 1.08 9.16	46.84 0.79 4.65	51.86 0.76 4.40	57.32 1.47 10.67	96.66 3.05 19.59	144.23 3.11 -8.03	112.01 2.19 7.39	159.04 1.75 -10.21	100.47 0.90 18.38	85.21 0.35 10.72	80.77 1.02 15.67
BLUE_CIRC_CHEM_DRP 24182	179.92 7.43 0.00	145.92 6.10 0.00	128.43 5.54 0.00	132.30 5.69 0.00	146.65 6.38 0.00	168.14 5.83 -32.84	178.51 2.67 -114.96	150.63 3.36 -68.51	66.76 1.85 -20.35	71.25 2.51 0.48	105.31 2.65 3.55	79.27 2.03 2.19	62.44 1.60 1.25	65.63 1.67 1.50	51.34 1.38 0.74	55.71 1.33 1.11	66.33 1.92 2.11	112.56 3.55 4.18	135.72 4.40 1.76	118.74 4.12 2.58	147.43 4.69 4.34	117.03 4.06 4.98	95.41 3.36 3.53	95.80 3.59 3.22
BOC_GAS_DRP 24189	178.68 6.19 0.00	144.74 4.93 0.00	127.38 4.49 0.00	131.25 4.63 0.00	145.44 5.17 0.00	167.44 4.79 -33.18	178.10 2.23 -115.00	148.96 2.86 -67.34	66.29 1.65 -20.08	71.04 2.29 0.47	105.42 2.69 3.47	79.24 1.95 2.14	62.44 1.57 1.22	65.65 1.66 1.46	51.39 1.42 0.72	55.76 1.34 1.08	66.07 1.61 2.06	111.96 2.85 4.09	134.94 3.58 1.72	118.03 3.34 2.52	146.87 3.77 3.99	116.33 3.24 4.87	94.79 2.66 3.45	95.10 2.82 3.14
BOONVILLE_115KV_TB1 79983	178.39 5.90 0.00	144.99 5.17 0.00	127.20 4.31 0.00	130.77 4.16 0.00	145.57 5.29 0.00	135.17 4.65 -1.05	65.91 2.02 -3.02	82.27 2.34 -1.17	46.18 1.25 -0.38	69.33 1.90 1.79	96.13 3.19 13.27	73.02 1.78 8.18	58.58 1.15 4.66	61.33 1.46 5.59	48.82 0.89 2.77	52.36 1.00 4.14	60.05 1.42 7.90	101.38 3.82 15.63	131.58 5.06 6.57	111.63 4.07 9.65	137.86 4.05 13.27	102.20 2.86 18.61	84.05 1.65 13.17	84.78 1.37 12.01
BORALEX_4TH_BRANCH 23824	184.95 12.46 0.00	149.41 9.59 0.00	131.63 8.74 0.00	135.53 8.92 0.00	150.47 10.19 0.00	172.54 9.88 -33.20	191.48 4.83 -125.78	169.93 6.19 -84.98	72.63 3.47 -24.61	73.82 5.08 0.47	110.28 7.57 3.49	82.61 5.34 2.15	64.91 4.04 1.22	68.15 4.16 1.47	53.39 3.42 0.73	58.00 3.59 1.09	68.82 4.37 2.08	116.87 7.79 4.11	140.71 9.36 1.73	123.03 8.36 2.54	154.64 10.33 2.77	121.37 8.31 4.89	98.92 6.81 3.46	99.20 6.93 3.16
BOWLINE___1 23526	182.86 10.37 0.00	147.74 7.92 0.00	130.02 7.13 0.00	134.01 7.40 0.00	148.32 8.05 0.00	163.62 7.70 -26.46	150.16 3.77 -85.52	127.12 4.82 -43.54	60.72 2.76 -13.41	72.35 3.79 0.66	105.90 4.55 4.86	79.49 3.06 3.00	62.89 2.50 1.71	65.97 2.56 2.05	52.02 2.33 1.01	56.42 2.44 1.52	66.42 2.79 2.89	112.53 5.05 5.72	136.83 6.16 2.41	119.12 5.45 3.53	148.82 6.59 4.86	116.55 5.42 6.81	95.01 4.25 4.82	95.19 4.16 4.40
BOWLINE___2 23595	182.86 10.37 0.00	147.74 7.92 0.00	130.02 7.13 0.00	134.01 7.40 0.00	148.32 8.05 0.00	163.62 7.70 -26.46	150.17 3.77 -85.53	127.12 4.82 -43.54	60.72 2.76 -13.41	72.36 3.80 0.66	105.90 4.55 4.86	79.49 3.06 3.00	62.89 2.50 1.71	65.97 2.56 2.05	52.02 2.33 1.01	56.42 2.44 1.52	66.42 2.79 2.89	112.53 5.05 5.72	136.83 6.16 2.41	119.12 5.45 3.53	148.82 6.59 4.86	116.56 5.42 6.81	95.01 4.26 4.82	95.20 4.17 4.40
BRADY___115KV_TB2 356060	174.68 2.19 0.00	141.77 1.96 0.00	124.47 1.58 0.00	128.24 1.63 0.00	141.66 1.39 0.00	130.13 0.67 0.00	61.06 0.19 0.00	79.04 0.28 0.00	44.61 0.05 0.00	68.89 0.26 0.58	103.84 1.96 4.33	79.51 2.75 2.67	62.92 2.35 1.52	66.14 2.50 1.82	51.51 1.72 0.90	56.19 2.04 1.35	65.83 1.88 2.58	110.94 2.84 5.10	134.03 3.09 2.14	116.65 2.59 3.15	146.59 3.83 4.33	114.88 3.00 6.07	93.57 2.29 4.29	93.96 2.46 3.92
BRANSCOMB___SOLAR 323811	185.55 13.06 0.00	150.05 10.23 0.00	132.05 9.16 0.00	136.00 9.39 0.00	150.93 10.66 0.00	173.78 10.15 -34.17	202.17 4.96 -136.34	183.88 6.37 -98.76	76.27 3.53 -28.20	73.76 5.00 0.45	109.35 6.51 3.37	81.87 4.52 2.08	64.35 3.44 1.18	67.55 3.52 1.42	52.89 2.89 0.70	57.65 3.20 1.05	68.88 4.36 2.00	117.46 8.23 3.97	141.29 9.88 1.67	123.46 8.70 2.45	154.86 10.58 2.80	121.47 8.24 4.72	98.90 6.66 3.34	99.16 6.78 3.05
BRENTWOD_69_KV_W. BRTWOOD 56703	187.76 15.27 0.00	152.70 12.88 0.00	134.26 11.37 0.00	138.56 11.95 0.00	153.24 12.97 0.00	169.12 12.39 -27.27	155.17 6.14 -88.15	131.41 7.76 -44.89	62.68 4.31 -13.82	74.61 6.03 0.63	109.62 8.13 4.71	82.16 5.64 2.91	64.77 4.33 1.66	67.96 4.48 1.98	53.61 3.89 0.98	58.22 4.19 1.47	68.70 4.97 2.81	118.94 9.60 3.86	142.29 11.54 2.33	127.21 10.34 0.33	157.89 12.61 1.80	128.20 10.21 -0.03	98.59 7.70 4.68	98.78 7.63 4.27

BRISTLHL_115KV_TB1 79998	170.30 -2.19 0.00	138.03 -1.78 0.00	121.26 -1.63 0.00	124.76 -1.85 0.00	138.56 -1.71 0.00	130.83 -1.52 -2.89	68.41 -0.80 -8.34	80.79 -1.19 -3.22	44.90 -0.70 -1.04	62.29 -1.40 5.52	62.83 -2.45 40.92	52.05 -2.13 25.25	45.94 -1.77 14.38	46.36 -1.86 17.23	40.72 -1.45 8.54	41.24 -1.49 12.77	40.67 -1.49 24.37	63.30 -1.68 48.21	111.12 -1.68 20.28	85.89 -1.56 29.76	103.59 -2.56 40.93	58.31 -2.23 57.41	52.70 -2.25 40.63	55.97 -2.39 37.07
BROOKHAVEN___DRP 24191	186.65 14.16 0.00	151.84 12.02 0.00	133.50 10.61 0.00	137.79 11.18 0.00	152.35 12.08 0.00	168.40 11.67 -27.27	155.06 6.04 -88.15	131.22 7.58 -44.89	62.47 4.09 -13.82	74.25 5.67 0.63	109.05 7.56 4.71	81.76 5.24 2.91	64.43 3.99 1.66	67.55 4.08 1.98	53.30 3.58 0.98	58.00 3.98 1.47	68.57 4.84 2.81	118.87 9.53 3.86	142.03 11.28 2.33	127.15 10.28 0.33	157.65 12.36 1.80	127.92 9.94 -0.03	98.23 7.33 4.68	98.37 7.21 4.27
BROOKLYN_NAVY_YARD 23515	184.24 11.75 0.00	148.91 9.09 0.00	131.09 8.19 0.00	135.24 8.63 0.00	149.59 9.31 0.00	165.59 8.85 -27.28	153.40 4.35 -88.17	129.31 5.65 -44.90	61.65 3.27 -13.83	73.17 4.59 0.63	107.17 5.67 4.71	80.41 3.90 2.91	63.57 3.13 1.66	66.61 3.13 1.98	52.59 2.87 0.98	56.98 2.95 1.47	67.00 3.27 2.81	113.37 5.72 5.55	137.64 6.89 2.33	119.93 6.15 3.42	149.88 7.51 4.71	117.58 6.24 6.60	95.75 4.84 4.68	95.94 4.78 4.27
BROOKLYN___ARMY_DRP 323595	296.57 13.47 -110.61	150.35 10.52 -0.01	132.25 9.35 -0.01	136.42 9.80 -0.01	150.94 10.66 -0.01	166.84 10.09 -27.29	268.99 5.01 -203.10	176.20 6.49 -90.95	110.45 3.83 -62.06	139.48 5.39 -64.88	262.44 6.89 -149.35	308.99 4.92 -224.65	314.52 3.96 -248.47	301.50 4.11 -231.92	306.25 3.60 -251.95	310.53 3.72 -251.31	181.21 4.09 -110.59	298.33 7.04 -178.10	319.67 8.54 -178.05	326.81 7.46 -202.14	405.25 9.04 -249.12	316.23 7.42 -190.86	307.80 5.86 -206.36	105.25 5.74 -4.09
BROOKVLE_69_KV_TB1 55790	187.38 14.89 0.00	151.92 12.11 0.00	133.55 10.66 0.00	137.75 11.14 0.00	152.32 12.05 0.00	168.25 11.52 -27.27	154.65 5.63 -88.15	130.73 7.09 -44.89	62.37 3.99 -13.82	74.18 5.60 0.63	108.68 7.19 4.71	81.73 5.21 2.91	64.54 4.10 1.66	67.72 4.25 1.98	53.38 3.66 0.98	57.79 3.77 1.47	68.16 4.44 2.81	117.52 8.18 3.86	140.75 10.00 2.33	125.74 8.86 0.33	156.02 10.74 1.80	126.77 8.79 -0.03	97.61 6.71 4.68	97.76 6.61 4.27
BROOME_2_LFGE 323671	155.02 -2.80 14.67	129.33 -2.20 8.28	115.49 -1.86 5.55	120.11 -2.00 4.50	131.07 -1.93 7.27	122.60 -1.76 5.10	76.39 -0.87 -16.38	85.59 -1.10 -7.93	47.76 -0.62 -3.82	59.21 -1.45 8.55	72.51 -2.85 30.85	58.51 -2.42 18.49	50.18 -1.88 10.03	50.33 -2.09 13.04	42.82 -1.52 6.36	41.90 -1.73 11.87	44.14 -1.85 20.54	68.56 -2.59 42.05	97.57 -2.85 32.67	84.44 -2.49 30.28	83.04 -3.62 60.42	60.45 -2.88 54.62	52.38 -2.43 40.77	61.32 -2.34 31.77
BROOME___LFGE 323600	155.02 -2.80 14.67	129.33 -2.20 8.28	115.49 -1.86 5.55	120.11 -2.00 4.50	131.07 -1.93 7.27	122.60 -1.76 5.10	76.39 -0.87 -16.38	85.59 -1.10 -7.93	47.76 -0.62 -3.82	59.21 -1.45 8.55	72.51 -2.85 30.85	58.51 -2.42 18.49	50.18 -1.88 10.03	50.33 -2.09 13.04	42.82 -1.52 6.36	41.90 -1.73 11.87	44.14 -1.85 20.54	68.56 -2.59 42.05	97.57 -2.85 32.67	84.44 -2.49 30.28	83.04 -3.62 60.42	60.45 -2.88 54.62	52.38 -2.43 40.77	61.32 -2.34 31.77
BROWNFLS_115KV_TB_3_5 80003	175.83 3.34 0.00	143.03 3.22 0.00	125.22 2.33 0.00	128.79 2.17 0.00	142.96 2.68 0.00	131.95 1.59 -0.89	63.78 0.33 -2.57	79.80 0.04 -0.99	44.75 -0.13 -0.32	67.63 0.05 1.64	95.76 1.68 12.13	73.54 1.60 7.48	58.95 1.12 4.26	61.90 1.54 5.11	48.90 0.73 2.53	52.63 0.92 3.78	60.11 0.80 7.22	101.31 2.40 14.29	130.34 3.26 6.01	110.78 2.39 8.81	137.24 2.29 12.13	102.55 1.61 17.01	84.11 0.58 12.04	84.87 0.43 10.98
BROWNSV1_27_KV_LOAD 356125	186.41 13.92 0.00	150.65 10.84 0.00	132.54 9.65 0.00	136.64 10.02 0.00	151.10 10.83 0.00	167.03 10.29 -27.28	154.07 5.02 -88.17	130.18 6.52 -44.90	62.16 3.79 -13.83	73.95 5.37 0.63	108.43 6.93 4.71	81.42 4.90 2.91	64.40 3.96 1.66	67.51 4.03 1.98	53.23 3.51 0.98	57.68 3.66 1.47	67.80 4.07 2.81	114.83 7.19 5.55	139.41 8.66 2.33	121.43 7.65 3.42	151.67 9.29 4.71	119.03 7.68 6.60	96.89 5.99 4.68	97.04 5.88 4.27
BURROWS___LYONSDAL 23803	178.25 5.76 0.00	145.07 5.25 0.00	127.13 4.24 0.00	130.68 4.06 0.00	145.60 5.33 0.00	135.14 4.59 -1.09	65.91 1.89 -3.15	82.02 2.05 -1.22	45.98 1.03 -0.39	68.95 1.63 1.90	95.21 3.06 14.05	72.32 1.57 8.67	58.09 0.94 4.94	60.90 1.36 5.92	48.50 0.73 2.94	51.95 0.84 4.39	59.38 1.23 8.37	100.43 3.79 16.55	131.31 5.19 6.96	111.06 4.07 10.22	136.76 3.74 14.06	100.76 2.52 19.71	82.81 1.18 13.95	83.54 0.84 12.73
CAITHNESS_CC_1 323624	186.37 13.88 0.00	151.63 11.81 0.00	133.29 10.40 0.00	137.56 10.95 0.00	152.13 11.86 0.00	168.15 11.42 -27.27	154.90 5.88 -88.15	130.99 7.34 -44.89	62.37 4.00 -13.82	74.13 5.55 0.63	108.83 7.33 4.71	81.60 5.08 2.91	64.31 3.87 1.66	67.41 3.93 1.98	53.20 3.48 0.98	57.90 3.87 1.47	68.41 4.69 2.81	118.51 9.18 3.86	141.63 10.88 2.33	126.80 9.93 0.33	157.22 11.93 1.80	127.56 9.58 -0.03	98.00 7.10 4.68	98.16 7.00 4.27
CALPINE BETH_PAGE_GT4 24209	185.22 12.72 0.00	150.30 10.48 0.00	132.18 9.29 0.00	136.29 9.68 0.00	150.74 10.47 0.00	166.80 10.06 -27.27	153.98 4.96 -88.15	129.86 6.21 -44.89	61.85 3.47 -13.82	73.36 4.78 0.63	107.60 6.11 4.71	81.08 4.57 2.91	63.97 3.53 1.66	67.13 3.66 1.98	52.94 3.22 0.98	57.39 3.36 1.47	67.48 3.76 2.81	116.57 7.23 3.86	139.56 8.81 2.33	124.73 7.86 0.33	154.79 9.51 1.80	125.76 7.77 -0.03	96.73 5.83 4.68	96.87 5.71 4.27
CALPINE_BETH_PAGE_GT_4 323586	185.24 12.75 0.00	150.32 10.50 0.00	132.18 9.29 0.00	136.29 9.68 0.00	150.73 10.46 0.00	166.78 10.05 -27.27	153.97 4.95 -88.15	129.85 6.20 -44.89	61.84 3.46 -13.82	73.36 4.78 0.63	107.55 6.06 4.71	81.04 4.52 2.91	63.95 3.51 1.66	67.08 3.61 1.98	52.93 3.21 0.98	57.40 3.37 1.47	67.51 3.78 2.81	116.56 7.22 3.86	139.55 8.80 2.33	124.73 7.86 0.33	154.79 9.51 1.80	125.71 7.72 -0.03	96.72 5.82 4.68	96.84 5.68 4.27
CALPINE_BP_GT1 23823	185.24 12.75 0.00	150.32 10.50 0.00	132.18 9.29 0.00	136.29 9.68 0.00	150.73 10.46 0.00	166.78 10.05 -27.27	153.97 4.95 -88.15	129.85 6.20 -44.89	61.84 3.46 -13.82	73.36 4.78 0.63	107.55 6.06 4.71	81.04 4.52 2.91	63.95 3.51 1.66	67.08 3.61 1.98	52.93 3.21 0.98	57.40 3.37 1.47	67.51 3.78 2.81	116.56 7.22 3.86	139.55 8.80 2.33	124.73 7.86 0.33	154.79 9.51 1.80	125.71 7.72 -0.03	96.72 5.82 4.68	96.84 5.68 4.27
CALSPAN___DRP 24200	125.99 -14.94 31.56	110.71 -11.22 17.88	101.17 -9.74 11.97	106.67 -10.22 9.72	113.35 -11.23 15.70	93.66 -10.15 25.65	42.61 -5.40 12.86	62.73 -7.51 8.52	40.35 -4.16 0.04	40.70 -6.87 21.65	44.67 -11.67 49.87	41.66 -8.84 28.93	37.66 -7.09 17.35	36.49 -7.50 21.46	34.35 -5.91 10.44	30.23 -6.49 18.78	27.33 -7.89 31.31	35.90 -12.34 64.96	59.33 -14.11 59.64	55.55 -12.21 49.44	24.09 -14.53 108.46	18.97 -11.83 87.15	19.74 -9.28 66.55	37.56 -9.09 48.78

CALVERTON___SOLAR 323806	186.95 14.46 0.00	152.08 12.27 0.00	133.72 10.82 0.00	137.99 11.37 0.00	152.59 12.32 0.00	168.65 11.92 -27.27	155.24 6.21 -88.15	131.38 7.73 -44.89	62.53 4.16 -13.82	74.38 5.80 0.63	109.22 7.73 4.71	81.89 5.37 2.91	64.51 4.08 1.66	67.62 4.14 1.98	53.36 3.64 0.98	58.13 4.10 1.47	68.77 5.05 2.81	119.26 9.92 3.86	142.44 11.69 2.33	127.54 10.67 0.33	158.04 12.76 1.80	128.17 10.19 -0.03	98.41 7.52 4.68	98.53 7.37 4.27
CANDIGU_WT_PWR 323617	103.73 -13.68 55.08	98.15 -10.57 31.10	93.37 -8.69 20.83	100.91 -8.78 16.92	102.89 -10.07 27.30	73.03 -9.46 46.97	26.03 -4.79 30.06	54.05 -6.10 18.61	38.17 -3.52 2.86	25.96 -6.25 37.00	22.20 -10.73 73.27	31.67 -8.41 39.34	24.10 -6.54 31.45	25.17 -7.31 32.98	29.05 -5.54 16.11	27.36 -5.84 22.30	25.57 -6.30 34.66	29.71 -9.62 73.86	34.93 -10.83 87.32	45.62 -9.76 61.83	-21.52 -12.40 156.20	2.00 -10.84 105.11	2.68 -9.00 83.89	31.70 -9.04 54.69
CARR STREET_E_SYR 24060	166.75 -5.74 0.00	135.25 -4.57 0.00	118.93 -3.96 0.00	122.41 -4.20 0.00	135.82 -4.45 0.00	128.52 -4.01 -3.06	67.82 -1.89 -8.83	79.62 -2.56 -3.41	44.23 -1.43 -1.11	61.12 -2.56 5.54	60.81 -4.32 41.08	50.65 -3.43 25.35	44.92 -2.73 14.44	45.27 -2.89 17.30	39.93 -2.19 8.57	40.29 -2.39 12.82	39.35 -2.71 24.46	60.65 -4.15 48.39	108.04 -4.68 20.36	83.17 -4.17 29.87	100.58 -5.41 41.09	55.94 -4.38 57.63	51.08 -3.71 40.79	54.47 -3.74 37.21
CARTHAGE___PAPER 23857	180.65 8.16 0.00	147.21 7.39 0.00	128.59 5.70 0.00	132.11 5.49 0.00	147.49 7.22 0.00	137.26 6.19 -1.60	67.81 2.33 -4.61	82.80 2.26 -1.78	46.18 1.05 -0.58	67.99 1.76 2.99	88.14 4.08 22.14	67.94 2.18 13.66	55.54 1.22 7.78	57.98 1.85 9.32	46.80 0.72 4.62	49.70 1.12 6.91	54.85 1.51 13.18	92.64 5.53 26.08	129.68 7.57 10.97	106.91 5.80 16.10	129.86 4.93 22.15	90.03 3.14 31.06	74.95 1.35 21.98	76.31 0.94 20.05
CASSADAGA_WT_PWR 323784	124.80 -12.61 35.07	109.39 -10.59 19.84	100.19 -9.41 13.29	106.38 -9.44 10.79	112.31 -10.55 17.41	90.28 -10.42 28.76	40.16 -5.44 15.28	61.41 -7.36 9.99	40.50 -4.00 0.05	39.42 -6.76 23.04	47.51 -10.38 48.31	43.45 -7.95 28.03	39.70 -6.22 16.17	37.92 -6.83 20.71	35.38 -5.28 10.04	30.22 -6.01 19.27	27.56 -7.23 31.74	36.54 -10.49 66.16	57.61 -11.78 63.69	56.06 -9.94 51.20	19.18 -12.55 115.35	18.18 -10.10 89.67	18.32 -8.52 68.74	37.14 -8.73 49.55
CE_DUNWOOD___DRP 24194	184.03 11.54 0.00	148.72 8.90 0.00	130.88 7.98 0.00	134.90 8.28 0.00	149.28 9.01 0.00	165.29 8.60 -27.22	153.07 4.21 -87.99	128.98 5.42 -44.81	61.47 3.11 -13.80	72.91 4.34 0.64	106.89 5.40 4.72	80.24 3.73 2.91	63.47 3.03 1.66	66.58 3.11 1.99	52.47 2.75 0.98	56.88 2.86 1.47	66.95 3.24 2.81	113.43 5.80 5.56	137.80 7.05 2.34	120.04 6.26 3.43	149.94 7.58 4.72	117.60 6.27 6.62	95.79 4.89 4.69	95.96 4.81 4.28
CE_MILLWOOD___DRP 24193	183.67 11.18 0.00	148.43 8.61 0.00	130.61 7.72 0.00	134.62 8.01 0.00	149.00 8.73 0.00	164.90 8.32 -27.12	152.61 4.08 -87.65	128.65 5.25 -44.64	61.31 3.01 -13.75	72.76 4.18 0.64	106.62 5.16 4.74	80.05 3.55 2.92	63.33 2.90 1.66	66.42 2.96 2.00	52.34 2.63 0.99	56.75 2.73 1.48	66.81 3.10 2.82	113.20 5.58 5.58	137.56 6.82 2.35	119.79 6.03 3.45	149.65 7.31 4.74	117.34 6.03 6.64	95.59 4.72 4.70	95.78 4.65 4.29
CE_NYC2_DRP 24202	185.19 12.69 0.00	149.71 9.89 0.00	131.72 8.82 -0.01	135.86 9.24 -0.01	150.26 9.98 -0.01	166.24 9.49 -27.29	153.74 4.68 -88.18	129.71 6.05 -44.90	69.75 3.55 -21.65	84.85 4.99 -10.64	107.78 6.28 4.71	85.60 4.46 -1.71	89.20 3.65 -23.46	90.38 3.71 -21.21	88.59 3.26 -34.62	86.19 3.36 -27.33	67.38 3.66 2.80	144.26 6.37 -24.70	198.60 7.73 -57.79	172.08 6.75 -48.13	193.84 8.17 -38.59	161.86 6.69 -37.22	128.34 5.25 -27.52	118.97 5.11 -18.43
CE_NYC_DRP 24195	184.43 11.94 0.00	149.11 9.30 0.00	131.21 8.32 0.00	135.32 8.71 0.00	149.63 9.36 0.00	165.65 8.90 -27.28	153.43 4.38 -88.17	129.35 5.69 -44.90	61.69 3.31 -13.83	73.22 4.64 0.63	107.33 5.83 4.71	80.59 4.07 2.91	63.75 3.32 1.66	66.84 3.37 1.98	52.72 3.01 0.98	57.10 3.08 1.47	67.11 3.39 2.81	113.60 5.96 5.55	137.94 7.20 2.33	120.13 6.35 3.42	150.10 7.73 4.71	117.82 6.48 6.60	95.93 5.03 4.68	96.09 4.93 4.27
CHAFFEE___LFGE 323603	125.53 -13.41 33.55	110.92 -9.90 18.99	101.61 -8.56 12.72	107.31 -8.97 10.33	113.74 -9.86 16.67	93.06 -8.99 27.41	41.89 -4.79 14.19	62.77 -6.66 9.33	40.80 -3.72 0.03	40.69 -6.12 22.40	46.99 -10.40 48.82	43.17 -7.92 28.33	39.22 -6.29 16.58	37.72 -6.78 20.96	35.15 -5.38 10.18	30.48 -5.97 19.04	27.74 -7.25 31.53	36.33 -11.27 65.60	58.53 -12.62 61.93	55.80 -10.99 50.42	21.70 -13.05 112.33	18.80 -10.62 88.53	19.47 -8.35 67.75	38.10 -8.14 49.19
CHATEAUG_35_KV_LOAD 355732	172.08 -0.40 0.00	139.66 -0.16 0.00	122.42 -0.47 0.00	126.24 -0.37 0.00	139.79 -0.48 0.00	128.68 -0.78 0.00	60.29 -0.58 0.00	78.10 -0.66 0.00	44.31 -0.25 0.00	68.69 -0.15 0.38	104.38 0.97 2.79	79.01 1.30 1.72	61.96 0.85 0.98	65.32 1.04 1.17	50.60 0.48 0.58	55.29 0.66 0.87	65.48 0.61 1.66	111.60 1.69 3.28	133.35 1.65 1.38	116.36 1.18 2.03	144.94 0.64 2.79	113.62 -0.42 3.91	92.16 -0.64 2.77	93.17 0.27 2.53
CHATEAUG_WT_PWR 323614	171.74 -0.75 0.00	139.38 -0.44 0.00	122.19 -0.70 0.00	126.05 -0.57 0.00	139.61 -0.66 0.00	128.63 -0.84 0.00	60.25 -0.63 0.00	77.98 -0.78 0.00	44.25 -0.30 0.00	68.66 -0.23 0.32	104.46 0.64 2.38	79.09 1.14 1.47	62.02 0.76 0.84	65.42 0.96 1.00	50.62 0.42 0.50	55.29 0.53 0.74	65.58 0.47 1.42	111.70 1.32 2.81	133.11 1.21 1.18	116.26 0.79 1.73	144.85 0.16 2.38	113.79 -0.82 3.34	92.20 -1.02 2.37	93.25 -0.01 2.16
CHAT_HIGH_FALL_HYD 323578	172.08 -0.40 0.00	139.66 -0.16 0.00	122.42 -0.47 0.00	126.24 -0.37 0.00	139.79 -0.48 0.00	128.68 -0.78 0.00	60.29 -0.58 0.00	78.10 -0.66 0.00	44.31 -0.25 0.00	68.69 -0.15 0.38	104.38 0.97 2.79	79.01 1.30 1.72	61.96 0.85 0.98	65.32 1.04 1.17	50.60 0.48 0.58	55.29 0.66 0.87	65.48 0.61 1.66	111.60 1.69 3.28	133.35 1.65 1.38	116.36 1.18 2.03	144.94 0.64 2.79	113.62 -0.42 3.91	92.16 -0.64 2.77	93.17 0.27 2.53
CHAUTAUQUA___LFGE 323629	124.58 -14.44 33.47	109.28 -11.60 18.93	100.05 -10.16 12.68	105.84 -10.47 10.30	112.14 -11.51 16.62	91.20 -10.96 27.31	41.18 -5.59 14.11	61.87 -7.60 9.29	40.31 -4.19 0.05	39.65 -7.13 22.43	45.65 -11.37 49.18	42.22 -8.70 28.51	38.42 -6.85 16.83	36.85 -7.47 21.13	34.64 -5.79 10.27	29.92 -6.54 19.03	27.18 -7.83 31.51	35.92 -11.72 65.55	58.00 -13.27 61.81	55.55 -11.30 50.36	20.75 -14.16 112.17	18.03 -11.47 88.46	18.40 -9.48 67.70	36.88 -9.40 49.15
CHERRYST_13_KV_LD 356241	184.94 12.45 0.00	149.47 9.66 0.00	131.56 8.67 0.00	135.68 9.06 0.00	150.03 9.76 0.00	165.99 9.25 -27.28	153.60 4.56 -88.17	129.59 5.93 -44.90	61.83 3.45 -13.83	73.43 4.85 0.63	107.65 6.15 4.71	80.84 4.32 2.91	63.95 3.52 1.66	67.04 3.56 1.98	52.88 3.16 0.98	57.27 3.24 1.47	67.31 3.59 2.81	113.96 6.31 5.55	138.34 7.59 2.33	120.49 6.71 3.42	150.51 8.14 4.71	118.15 6.80 6.60	96.18 5.28 4.68	96.36 5.20 4.27

CHESTROR_138KV_BK263 355645	181.87 9.38 0.00	147.00 7.18 0.00	129.34 6.45 0.00	133.28 6.67 0.00	147.60 7.33 0.00	161.82 6.99 -25.36	146.27 3.41 -81.98	124.87 4.37 -41.74	59.89 2.49 -12.85	71.87 3.34 0.68	105.11 3.95 5.05	78.94 2.63 3.12	62.46 2.14 1.77	65.54 2.21 2.13	51.65 2.00 1.05	56.01 2.09 1.58	65.98 2.46 3.01	111.83 4.58 5.95	136.26 5.68 2.50	118.53 5.00 3.67	148.07 6.04 5.05	115.83 4.96 7.09	94.43 3.87 5.02	94.63 3.78 4.58
CH_MIDHUDSON___DRP 24192	184.40 11.91 0.00	149.01 9.20 0.00	131.08 8.19 0.00	135.04 8.42 0.00	149.56 9.29 0.00	166.05 8.89 -27.70	154.84 4.34 -89.63	130.09 5.60 -45.73	61.80 3.17 -14.08	73.01 4.42 0.63	107.07 5.50 4.64	80.34 3.78 2.86	63.53 3.07 1.63	66.68 3.17 1.95	52.47 2.74 0.97	56.96 2.91 1.45	67.19 3.42 2.76	113.98 6.24 5.46	138.41 7.63 2.30	120.58 6.75 3.37	150.60 8.15 4.64	118.08 6.63 6.50	96.18 5.21 4.60	96.35 5.13 4.20
CH_MISC_IPPS 23765	185.20 12.71 0.00	149.71 9.90 0.00	131.69 8.80 0.00	135.69 9.08 0.00	150.26 9.99 0.00	166.21 9.50 -27.25	153.66 4.63 -88.16	129.72 5.98 -44.98	61.77 3.37 -13.85	73.27 4.69 0.64	107.35 5.86 4.72	80.53 4.02 2.91	63.67 3.23 1.66	66.80 3.33 1.99	52.60 2.88 0.98	57.15 3.12 1.47	67.44 3.72 2.81	114.45 6.81 5.56	139.05 8.31 2.34	121.12 7.34 3.43	151.29 8.92 4.72	118.54 7.20 6.62	96.52 5.63 4.68	96.67 5.51 4.27
CH_RES_BVR_FALLS 23983	170.74 -1.74 0.00	138.88 -0.94 0.00	121.97 -0.92 0.00	125.56 -1.05 0.00	138.98 -1.30 0.00	127.80 -1.66 0.00	59.98 -0.89 0.00	77.47 -1.29 0.00	43.76 -0.80 0.00	68.08 -0.86 0.27	103.89 -0.28 2.03	78.06 -0.11 1.25	61.35 -0.03 0.71	64.74 0.13 0.86	50.20 -0.08 0.42	54.80 -0.07 0.63	65.11 -0.21 1.21	110.47 -0.33 2.39	131.53 -0.55 1.01	115.02 -0.71 1.48	144.26 -0.79 2.03	114.14 -0.96 2.85	92.28 -1.29 2.02	92.49 -1.10 1.84
CH_RES_NIAGARA 23895	123.74 -21.54 27.21	107.94 -16.52 15.35	98.03 -14.58 10.28	103.00 -15.26 8.35	110.23 -16.56 13.48	93.00 -14.80 21.66	43.39 -7.60 9.88	61.49 -10.49 6.78	38.81 -5.92 -0.18	40.31 -9.43 19.47	41.81 -15.42 48.98	38.95 -11.79 28.69	35.94 -9.23 16.92	34.71 -9.76 20.98	32.73 -7.74 10.23	28.67 -8.64 18.19	25.06 -10.65 30.81	32.68 -16.94 63.58	58.56 -20.00 54.52	52.73 -17.22 47.26	26.93 -20.24 99.91	17.60 -16.19 84.16	19.31 -12.58 63.69	35.28 -12.31 47.84
CH_RES_SYRACUSE 23985	169.06 -3.43 0.00	137.12 -2.70 0.00	120.55 -2.34 0.00	124.06 -2.55 0.00	137.63 -2.65 0.00	130.53 -2.30 -3.37	70.74 -1.08 -10.94	82.77 -1.53 -5.54	45.40 -0.88 -1.73	61.73 -1.74 5.75	60.59 -2.99 42.61	50.68 -2.45 26.29	45.10 -2.01 14.98	45.35 -2.16 17.95	40.17 -1.63 8.90	40.50 -1.70 13.30	39.34 -1.81 25.38	60.39 -2.79 50.20	109.17 -2.47 21.12	83.75 -2.47 30.99	101.04 -3.42 42.63	55.32 -2.85 59.78	50.78 -2.49 42.31	54.25 -2.57 38.60
CLINTON_WT_PWR 323605	171.74 -0.75 0.00	139.38 -0.44 0.00	122.19 -0.70 0.00	126.05 -0.57 0.00	139.61 -0.66 0.00	128.63 -0.84 0.00	60.25 -0.63 0.00	77.98 -0.78 0.00	44.25 -0.30 0.00	68.66 -0.23 0.32	104.46 0.64 2.38	79.09 1.14 1.47	62.02 0.76 0.84	65.42 0.96 1.00	50.62 0.42 0.50	55.29 0.53 0.74	65.58 0.47 1.42	111.70 1.32 2.81	133.11 1.21 1.18	116.26 0.79 1.73	144.85 0.16 2.38	113.79 -0.82 3.34	92.20 -1.02 2.37	93.25 -0.01 2.16
CLINTON___LFGE 323618	174.82 2.33 0.00	141.89 2.08 0.00	124.48 1.59 0.00	128.42 1.81 0.00	142.25 1.98 0.00	131.17 1.71 0.00	61.35 0.48 0.00	79.29 0.53 0.00	44.98 0.43 0.00	69.61 0.73 0.34	105.54 1.83 2.49	80.25 2.36 1.54	62.76 1.53 0.88	66.21 1.80 1.05	51.32 1.13 0.52	56.03 1.31 0.78	66.53 1.48 1.48	113.52 3.26 2.93	135.43 3.58 1.23	118.21 2.82 1.81	147.15 2.56 2.49	115.47 1.01 3.49	93.52 0.42 2.47	94.75 1.58 2.25
COBBLENY_34_KV_TB1 80064	125.68 -13.26 33.55	111.01 -9.81 18.99	101.59 -8.58 12.72	107.30 -8.98 10.33	113.78 -9.81 16.67	93.21 -8.83 27.41	41.95 -4.73 14.19	62.81 -6.62 9.33	40.83 -3.70 0.03	40.67 -6.14 22.40	46.81 -10.57 48.82	43.00 -8.09 28.33	39.04 -6.47 16.58	37.61 -6.89 20.96	35.10 -5.42 10.18	30.54 -5.92 19.04	27.79 -7.20 31.53	36.39 -11.20 65.60	58.41 -12.74 61.93	55.77 -11.02 50.42	21.63 -13.12 112.33	18.71 -10.71 88.53	19.46 -8.37 67.75	38.09 -8.15 49.19
COFFEEN___115KV_TB3 355620	181.62 9.13 0.00	148.02 8.20 0.00	129.23 6.34 0.00	132.77 6.16 0.00	148.39 8.11 0.00	138.51 7.21 -1.84	68.94 2.75 -5.32	83.53 2.71 -2.05	46.48 1.26 -0.66	67.70 1.96 3.47	84.70 4.24 25.75	65.56 2.03 15.89	54.03 0.99 9.05	56.06 1.45 10.85	45.68 0.36 5.38	48.31 0.85 8.04	52.36 1.16 15.33	88.93 6.08 30.34	128.67 8.35 12.76	104.93 6.45 18.73	126.64 5.32 25.76	85.15 3.33 36.13	71.41 1.41 25.57	73.03 0.94 23.32
COLDSPRG_115KV_BK1 355956	126.93 -7.96 37.60	112.04 -6.52 21.26	102.77 -5.88 14.24	109.17 -5.88 11.56	115.23 -6.37 18.67	92.19 -6.21 31.06	40.20 -3.55 17.12	62.95 -4.86 10.95	41.86 -2.66 0.04	40.67 -4.56 23.99	52.18 -7.08 46.94	46.73 -5.43 27.27	42.63 -4.32 15.14	40.70 -4.71 20.05	37.31 -3.70 9.69	31.78 -4.07 19.65	29.44 -4.99 32.10	38.57 -7.52 67.11	58.21 -8.20 66.67	57.70 -6.97 52.53	18.18 -8.52 120.38	19.31 -7.06 91.58	19.61 -5.59 70.38	39.75 -5.49 50.18
COLONIE_LFGE___ 323577	182.36 9.87 0.00	147.55 7.73 0.00	129.89 7.00 0.00	133.79 7.17 0.00	148.37 8.10 0.00	170.92 7.70 -33.76	195.87 3.69 -131.30	175.51 4.75 -92.00	73.66 2.67 -26.44	72.61 3.86 0.46	107.98 5.16 3.39	80.98 3.64 2.09	63.71 2.81 1.19	66.93 2.90 1.43	52.38 2.38 0.71	56.93 2.49 1.06	67.67 3.16 2.02	114.96 5.76 3.99	138.37 6.97 1.68	121.00 6.26 2.46	152.07 7.59 2.60	119.26 6.06 4.75	97.17 4.95 3.36	97.44 5.08 3.07
COOPERNY_115KV_TB1 80082	179.15 6.67 0.00	144.90 5.08 0.00	127.44 4.55 0.00	131.33 4.72 0.00	145.45 5.18 0.00	155.15 5.01 -20.68	130.21 2.44 -66.90	116.01 3.13 -34.12	56.85 1.79 -10.51	70.82 2.40 0.79	103.09 2.77 5.88	77.56 1.77 3.63	61.47 1.44 2.07	64.45 1.47 2.48	50.85 1.37 1.23	55.05 1.39 1.84	64.67 1.65 3.50	109.40 3.14 6.93	134.05 3.88 2.92	116.36 3.43 4.28	145.32 4.12 5.88	113.07 3.37 8.25	92.36 2.63 5.84	92.65 2.56 5.33
COPENHAGEN_WT_PWR 323753	178.80 6.31 0.00	145.97 6.16 0.00	127.28 4.39 0.00	130.71 4.10 0.00	146.37 6.10 0.00	136.64 5.27 -1.91	68.01 1.64 -5.50	81.97 1.08 -2.13	45.61 0.36 -0.69	66.34 0.73 3.60	81.92 2.43 26.72	63.42 0.48 16.48	52.47 -0.24 9.39	54.62 0.41 11.25	44.71 -0.42 5.58	47.16 0.01 8.34	50.81 0.19 15.91	85.83 4.11 31.48	125.89 6.04 13.24	102.04 4.26 19.43	122.49 2.13 26.72	81.11 0.64 37.48	68.24 -0.81 26.53	70.01 -1.22 24.20
CORNELL_____ 23752	316.71 0.05 -144.17	221.36 0.17 -81.37	177.62 0.23 -54.50	170.99 0.11 -44.26	212.18 0.47 -71.44	276.59 0.71 -146.42	216.87 0.41 -155.58	168.14 0.49 -88.89	58.70 0.18 -13.96	138.28 -0.48 -69.55	94.17 -1.78 10.25	65.69 -1.87 11.86	49.40 -1.64 11.05	59.83 -1.87 3.76	46.44 -1.41 2.85	72.44 -1.31 -18.26	79.81 -0.90 -14.17	154.75 -0.33 -41.88	298.02 0.12 -164.82	185.64 0.09 -68.34	425.33 -0.21 -278.46	212.13 -0.42 -94.61	182.81 -0.55 -87.78	121.45 -0.65 -26.68

CORONAAV_69_KV_TB1 355595	186.93 14.44 0.00	151.46 11.64 0.00	133.16 10.27 0.00	137.31 10.70 0.00	151.89 11.61 0.00	167.83 11.09 -27.27	154.42 5.40 -88.15	130.40 6.75 -44.89	62.16 3.79 -13.82	73.88 5.30 0.63	108.44 6.95 4.71	81.49 4.97 2.91	64.33 3.89 1.66	67.50 4.03 1.98	53.20 3.48 0.98	57.70 3.68 1.47	68.08 4.35 2.81	117.26 7.92 3.86	140.36 9.61 2.33	125.43 8.56 0.33	155.80 10.52 1.80	126.63 8.65 -0.03	97.52 6.62 4.68	97.64 6.48 4.27
CORTLAND_115KV_TB3 80093	210.25 -0.83 -38.58	161.01 -0.59 -21.77	137.00 -0.47 -14.58	137.91 -0.55 -11.85	159.07 -0.32 -19.12	172.12 -0.15 -42.81	114.25 -0.05 -53.43	108.53 -0.11 -29.88	50.03 -0.09 -5.57	83.62 -0.64 -15.05	76.19 -1.69 28.31	58.82 -1.72 18.89	48.58 -1.43 12.08	52.07 -1.58 11.81	43.41 -1.17 6.12	51.32 -1.23 2.95	54.26 -1.11 11.16	93.79 -1.03 18.37	163.87 -0.88 -31.67	116.40 -0.84 -0.03	195.13 -1.35 -49.40	106.84 -1.21 9.91	92.93 -1.18 1.47	78.58 -1.24 15.60
COXSACKIE___GT 23611	188.63 16.14 0.00	152.97 13.15 0.00	134.61 11.71 0.00	138.65 12.04 0.00	153.80 13.52 0.00	173.57 12.29 -31.82	177.61 5.62 -111.12	151.90 7.17 -65.97	68.01 3.84 -19.61	73.62 4.91 0.51	108.23 5.80 3.77	81.23 4.13 2.33	63.86 3.09 1.33	67.03 3.16 1.59	52.41 2.50 0.79	57.15 2.83 1.18	68.58 4.30 2.25	118.00 9.25 4.44	143.03 11.82 1.87	125.01 10.55 2.74	154.57 12.13 4.64	122.46 9.80 5.29	99.72 7.89 3.75	100.04 8.03 3.42
CPV_VALLEY___CC1 323721	180.17 7.68 0.00	145.67 5.85 0.00	128.16 5.27 0.00	132.06 5.45 0.00	146.23 5.96 0.00	158.88 5.73 -23.69	140.24 2.81 -76.56	121.33 3.60 -38.97	58.64 2.08 -12.00	71.26 2.77 0.72	103.97 3.12 5.35	78.15 2.03 3.30	61.89 1.68 1.88	64.92 1.71 2.25	51.21 1.62 1.12	55.49 1.66 1.67	65.28 1.94 3.18	110.49 3.60 6.30	134.89 4.45 2.65	117.25 3.93 3.89	146.43 4.71 5.35	114.33 3.88 7.50	93.27 3.01 5.31	93.52 2.94 4.84
CPV_VALLEY___CC2 323722	180.17 7.68 0.00	145.67 5.85 0.00	128.16 5.27 0.00	132.06 5.45 0.00	146.23 5.96 0.00	158.88 5.73 -23.69	140.24 2.81 -76.56	121.33 3.60 -38.97	58.64 2.08 -12.00	71.26 2.77 0.72	103.97 3.12 5.35	78.15 2.03 3.30	61.89 1.68 1.88	64.92 1.71 2.25	51.21 1.62 1.12	55.49 1.66 1.67	65.28 1.94 3.18	110.49 3.60 6.30	134.89 4.45 2.65	117.25 3.93 3.89	146.43 4.71 5.35	114.33 3.88 7.50	93.27 3.01 5.31	93.52 2.94 4.84
CRESCENT___HYD 24018	182.36 9.87 0.00	147.55 7.73 0.00	129.89 7.00 0.00	133.79 7.17 0.00	148.37 8.10 0.00	170.92 7.70 -33.76	195.87 3.69 -131.30	175.51 4.75 -92.00	73.66 2.67 -26.44	72.61 3.86 0.46	107.98 5.16 3.39	80.98 3.64 2.09	63.71 2.81 1.19	66.93 2.90 1.43	52.38 2.38 0.71	56.93 2.49 1.06	67.67 3.16 2.02	114.96 5.76 3.99	138.37 6.97 1.68	121.00 6.26 2.46	152.07 7.59 2.60	119.26 6.06 4.75	97.17 4.95 3.36	97.44 5.08 3.07
CRICKET___VALLEY_CC1 323756	183.20 10.72 0.00	147.97 8.15 0.00	130.14 7.25 0.00	133.98 7.37 0.00	148.52 8.25 0.00	166.01 7.90 -28.65	157.86 3.89 -93.09	131.71 5.01 -47.94	62.16 2.90 -14.71	72.66 4.04 0.60	106.55 4.80 4.45	79.93 3.26 2.75	63.29 2.76 1.56	66.44 2.85 1.88	52.26 2.49 0.93	56.69 2.58 1.39	66.87 2.99 2.65	113.30 5.35 5.24	137.31 6.44 2.21	119.78 5.81 3.24	149.67 6.96 4.36	117.34 5.63 6.25	95.61 4.46 4.42	95.82 4.43 4.03
CRICKET___VALLEY_CC2 323757	183.20 10.72 0.00	147.97 8.15 0.00	130.14 7.25 0.00	133.98 7.37 0.00	148.52 8.25 0.00	166.01 7.90 -28.65	157.86 3.89 -93.09	131.71 5.01 -47.94	62.16 2.90 -14.71	72.66 4.04 0.60	106.55 4.80 4.45	79.93 3.26 2.75	63.29 2.76 1.56	66.44 2.85 1.88	52.26 2.49 0.93	56.69 2.58 1.39	66.87 2.99 2.65	113.30 5.35 5.24	137.31 6.44 2.21	119.78 5.81 3.24	149.67 6.96 4.36	117.34 5.63 6.25	95.61 4.46 4.42	95.82 4.43 4.03
CRICKET___VALLEY_CC3 323758	183.20 10.72 0.00	147.97 8.15 0.00	130.14 7.25 0.00	133.98 7.37 0.00	148.52 8.25 0.00	166.01 7.90 -28.65	157.86 3.89 -93.09	131.71 5.01 -47.94	62.16 2.90 -14.71	72.66 4.04 0.60	106.55 4.80 4.45	79.93 3.26 2.75	63.29 2.76 1.56	66.44 2.85 1.88	52.26 2.49 0.93	56.69 2.58 1.39	66.87 2.99 2.65	113.30 5.35 5.24	137.31 6.44 2.21	119.78 5.81 3.24	149.67 6.96 4.36	117.34 5.63 6.25	95.61 4.46 4.42	95.82 4.43 4.03
CRUCIBLE_METL_DRP 24180	169.09 -3.39 0.00	137.15 -2.67 0.00	120.55 -2.34 0.00	124.06 -2.56 0.00	137.63 -2.64 0.00	130.60 -2.24 -3.37	70.75 -1.07 -10.94	82.79 -1.51 -5.54	45.41 -0.87 -1.73	61.74 -1.72 5.75	60.57 -3.02 42.61	50.65 -2.48 26.29	45.09 -2.03 14.98	45.34 -2.17 17.95	40.17 -1.64 8.90	40.50 -1.70 13.30	39.37 -1.79 25.38	60.39 -2.60 50.20	109.17 -2.79 21.12	83.75 -2.47 30.99	101.03 -3.42 42.63	55.30 -2.87 59.78	50.78 -2.48 42.31	54.25 -2.58 38.60
DAHOWA___HYDRO 323763	186.86 14.38 0.00	151.06 11.25 0.00	132.98 10.09 0.00	137.00 10.38 0.00	152.04 11.77 0.00	174.89 11.18 -34.24	203.48 5.49 -137.11	185.62 7.10 -99.76	76.93 3.92 -28.45	74.35 5.59 0.45	110.28 7.44 3.36	82.51 5.16 2.08	64.83 3.92 1.18	68.04 4.00 1.42	53.26 3.26 0.70	58.08 3.64 1.05	69.45 4.92 2.00	118.46 9.23 3.96	142.44 11.03 1.67	124.45 9.69 2.45	156.11 11.87 2.83	122.42 9.19 4.72	99.62 7.38 3.34	99.87 7.50 3.05
DANC___LFGE 323619	175.23 2.74 0.00	142.74 2.92 0.00	124.84 1.94 0.00	128.28 1.67 0.00	143.18 2.91 0.00	134.15 2.42 -2.26	67.97 0.56 -6.53	81.35 0.06 -2.52	45.25 -0.13 -0.82	64.67 -0.23 4.32	74.66 0.46 32.00	59.11 -0.57 19.75	49.96 -0.88 11.25	51.45 -0.53 13.48	43.14 -0.88 6.68	44.86 -0.65 9.99	46.83 -0.64 19.06	77.11 1.63 37.71	119.93 2.71 15.86	95.65 1.72 23.27	115.09 0.03 32.02	72.51 -0.54 44.90	62.42 -1.37 31.78	64.73 -1.70 28.99
DANSKAMMER___1 23586	185.20 12.71 0.00	149.71 9.90 0.00	131.69 8.80 0.00	135.69 9.08 0.00	150.26 9.99 0.00	166.21 9.50 -27.25	153.66 4.63 -88.16	129.72 5.98 -44.98	61.77 3.37 -13.85	73.27 4.69 0.64	107.35 5.86 4.72	80.53 4.02 2.91	63.67 3.23 1.66	66.80 3.33 1.99	52.60 2.88 0.98	57.15 3.12 1.47	67.44 3.72 2.81	114.45 6.81 5.56	139.05 8.31 2.34	121.12 7.34 3.43	151.29 8.92 4.72	118.54 7.20 6.62	96.52 5.63 4.68	96.67 5.51 4.27
DANSKAMMER___2 23589	185.20 12.71 0.00	149.71 9.90 0.00	131.69 8.80 0.00	135.69 9.08 0.00	150.26 9.99 0.00	166.21 9.50 -27.25	153.66 4.63 -88.16	129.72 5.98 -44.98	61.77 3.37 -13.85	73.27 4.69 0.64	107.35 5.86 4.72	80.53 4.02 2.91	63.67 3.23 1.66	66.80 3.33 1.99	52.60 2.88 0.98	57.15 3.12 1.47	67.44 3.72 2.81	114.45 6.81 5.56	139.05 8.31 2.34	121.12 7.34 3.43	151.29 8.92 4.72	118.54 7.20 6.62	96.52 5.63 4.68	96.67 5.51 4.27
DANSKAMMER___3 23590	185.20 12.71 0.00	149.71 9.90 0.00	131.69 8.80 0.00	135.69 9.08 0.00	150.26 9.99 0.00	166.21 9.50 -27.25	153.66 4.63 -88.16	129.72 5.98 -44.98	61.77 3.37 -13.85	73.27 4.69 0.64	107.35 5.86 4.72	80.53 4.02 2.91	63.67 3.23 1.66	66.80 3.33 1.99	52.60 2.88 0.98	57.15 3.12 1.47	67.44 3.72 2.81	114.45 6.81 5.56	139.05 8.31 2.34	121.12 7.34 3.43	151.29 8.92 4.72	118.54 7.20 6.62	96.52 5.63 4.68	96.67 5.51 4.27

DANSKAMMER___4 23591	185.20 12.71 0.00	149.71 9.90 0.00	131.69 8.80 0.00	135.69 9.08 0.00	150.26 9.99 0.00	166.21 9.50 -27.25	153.66 4.63 -88.16	129.72 5.98 -44.98	61.77 3.37 -13.85	73.27 4.69 0.64	107.35 5.86 4.72	80.53 4.02 2.91	63.67 3.23 1.66	66.80 3.33 1.99	52.60 2.88 0.98	57.15 3.12 1.47	67.44 3.72 2.81	114.45 6.81 5.56	139.05 8.31 2.34	121.12 7.34 3.43	151.29 8.92 4.72	118.54 7.20 6.62	96.52 5.63 4.68	96.67 5.51 4.27
DANSKAMMER___DIESEL 23592	185.21 12.72 0.00	149.70 9.88 0.00	131.69 8.80 0.00	135.69 9.08 0.00	150.26 9.99 0.00	166.22 9.51 -27.25	153.67 4.64 -88.16	129.74 5.99 -44.98	61.77 3.37 -13.85	73.27 4.70 0.64	107.39 5.91 4.72	80.57 4.05 2.91	63.68 3.25 1.66	66.83 3.36 1.99	52.62 2.90 0.98	57.14 3.11 1.47	67.44 3.72 2.81	114.44 6.80 5.56	139.05 8.30 2.34	121.11 7.34 3.43	151.27 8.91 4.72	118.56 7.22 6.62	96.55 5.66 4.68	96.67 5.52 4.27
DARBY___SOLAR 323810	185.68 13.19 0.00	150.14 10.32 0.00	132.13 9.24 0.00	136.13 9.52 0.00	151.06 10.79 0.00	173.88 10.24 -34.17	202.27 5.02 -136.37	184.01 6.45 -98.81	76.32 3.56 -28.21	73.83 5.07 0.45	109.45 6.61 3.37	81.92 4.58 2.08	64.38 3.47 1.18	67.59 3.55 1.42	52.92 2.92 0.70	57.71 3.26 1.05	68.95 4.42 2.00	117.56 8.33 3.97	141.41 9.99 1.67	123.56 8.80 2.45	154.98 10.70 2.80	121.56 8.33 4.72	98.96 6.73 3.34	99.21 6.84 3.05
DASHVILLE___HYD 23610	184.08 11.59 0.00	148.73 8.92 0.00	130.84 7.94 0.00	134.81 8.20 0.00	149.28 9.01 0.00	165.97 8.46 -28.04	157.38 4.07 -92.44	133.15 5.29 -49.10	62.55 3.02 -14.97	72.84 4.24 0.61	106.87 5.23 4.55	80.16 3.54 2.81	63.35 2.86 1.60	66.50 2.96 1.92	52.33 2.58 0.95	56.83 2.76 1.42	67.09 3.28 2.71	113.94 6.11 5.37	138.33 7.51 2.26	120.52 6.63 3.31	150.43 8.09 4.74	118.07 6.51 6.39	96.10 5.04 4.52	96.19 4.89 4.12
DEERFIELD_69_KV_DEERFIELD LD 355887	187.08 14.59 0.00	152.22 12.40 0.00	133.84 10.95 0.00	138.14 11.52 0.00	152.78 12.51 0.00	169.05 12.31 -27.27	155.48 6.45 -88.15	131.59 7.94 -44.89	62.62 4.24 -13.82	74.67 6.09 0.63	110.40 8.90 4.71	82.84 6.32 2.91	65.22 4.78 1.66	68.25 4.78 1.98	53.71 3.99 0.98	58.69 4.66 1.47	69.38 5.66 2.81	120.37 11.03 3.86	143.77 13.02 2.33	128.51 11.64 0.33	158.64 13.36 1.80	128.53 10.55 -0.03	98.33 7.43 4.68	98.38 7.23 4.27
DELAWARE___LFGE 323621	178.19 5.70 0.00	144.33 4.51 0.00	126.88 3.99 0.00	130.74 4.12 0.00	145.03 4.76 0.00	146.04 4.61 -11.97	105.73 2.19 -42.67	107.69 2.87 -26.07	53.96 1.67 -7.74	69.37 2.23 2.08	93.52 2.71 15.39	71.60 1.67 9.49	57.98 1.30 5.41	60.34 1.37 6.48	48.66 1.17 3.21	51.86 1.16 4.80	58.86 1.50 9.17	98.04 2.98 18.13	129.19 3.74 7.63	109.25 3.24 11.19	135.50 3.81 15.39	99.35 2.99 21.59	82.54 2.25 15.28	83.71 2.22 13.94
DERFIELD_115KV_TB7 355931	174.33 1.84 0.00	141.25 1.43 0.00	124.23 1.34 0.00	127.98 1.36 0.00	141.81 1.54 0.00	130.90 1.44 0.00	61.59 0.71 0.00	79.65 0.89 0.00	45.08 0.53 0.00	69.36 0.67 0.53	103.02 0.72 3.90	77.42 0.40 2.40	61.03 0.31 1.37	64.15 0.33 1.64	50.19 0.30 0.81	54.56 0.28 1.22	64.61 0.40 2.32	109.47 0.86 4.59	132.25 1.10 1.93	115.35 0.98 2.83	144.27 1.09 3.90	113.38 0.89 5.46	92.35 0.64 3.87	92.55 0.65 3.53
DOGLEVILLE___HYD 23807	181.11 8.62 0.00	146.32 6.51 0.00	128.73 5.84 0.00	132.44 5.83 0.00	147.09 6.82 0.00	136.20 6.74 0.00	64.28 3.40 0.00	83.14 4.38 0.00	46.93 2.38 0.00	71.59 2.90 0.53	104.37 2.07 3.90	78.07 1.05 2.40	61.47 0.75 1.37	64.27 0.46 1.64	50.53 0.64 0.81	54.96 0.68 1.22	65.91 1.70 2.32	112.82 4.21 4.59	136.72 5.57 1.93	119.59 5.21 2.83	149.00 5.82 3.90	117.35 4.87 5.46	95.48 3.77 3.87	95.74 3.84 3.53
DUNKIRK___115KV_TB_200 55889	124.77 -14.40 33.32	109.45 -11.52 18.85	100.13 -10.13 12.62	105.87 -10.48 10.25	112.23 -11.50 16.55	91.54 -10.75 27.17	41.35 -5.53 13.99	62.01 -7.52 9.22	40.35 -4.16 0.05	39.76 -7.08 22.37	45.48 -11.46 49.27	42.06 -8.81 28.56	38.25 -6.95 16.89	36.77 -7.51 21.18	34.58 -5.84 10.29	30.00 -6.49 19.01	27.26 -7.78 31.49	35.91 -11.79 65.50	58.02 -13.44 61.63	55.48 -11.45 50.28	21.03 -14.19 111.86	18.12 -11.49 88.34	18.56 -9.41 67.60	36.96 -9.35 49.11
DUNKIRK___1 23563	124.77 -14.40 33.32	109.45 -11.52 18.85	100.13 -10.13 12.62	105.87 -10.48 10.25	112.23 -11.50 16.55	91.54 -10.75 27.17	41.35 -5.53 13.99	62.01 -7.52 9.22	40.35 -4.16 0.05	39.76 -7.08 22.37	45.48 -11.46 49.27	42.06 -8.81 28.56	38.25 -6.95 16.89	36.77 -7.51 21.18	34.58 -5.84 10.29	30.00 -6.49 19.01	27.26 -7.78 31.49	35.91 -11.79 65.50	58.02 -13.44 61.63	55.48 -11.45 50.28	21.03 -14.19 111.86	18.12 -11.49 88.34	18.56 -9.41 67.60	36.96 -9.35 49.11
DUNKIRK___2 23564	124.77 -14.40 33.32	109.45 -11.52 18.85	100.13 -10.13 12.62	105.87 -10.48 10.25	112.23 -11.50 16.55	91.54 -10.75 27.17	41.35 -5.53 13.99	62.01 -7.52 9.22	40.35 -4.16 0.05	39.76 -7.08 22.37	45.48 -11.46 49.27	42.06 -8.81 28.56	38.25 -6.95 16.89	36.77 -7.51 21.18	34.58 -5.84 10.29	30.00 -6.49 19.01	27.26 -7.78 31.49	35.91 -11.79 65.50	58.02 -13.44 61.63	55.48 -11.45 50.28	21.03 -14.19 111.86	18.12 -11.49 88.34	18.56 -9.41 67.60	36.96 -9.35 49.11
DUNKIRK___3 23565	125.12 -14.54 32.83	109.79 -11.46 18.57	100.39 -10.06 12.44	106.09 -10.42 10.10	112.56 -11.41 16.30	92.17 -10.58 26.71	41.79 -5.48 13.60	62.26 -7.51 8.99	40.33 -4.16 0.06	40.00 -7.01 22.20	45.09 -11.49 49.62	41.88 -8.81 28.74	37.98 -6.95 17.16	36.64 -7.47 21.35	34.48 -5.85 10.38	30.12 -6.46 18.93	27.34 -7.78 31.41	35.89 -12.02 65.28	58.30 -13.76 61.03	55.40 -11.80 50.00	21.75 -14.45 110.87	18.35 -11.66 87.93	18.90 -9.42 67.26	37.15 -9.32 48.96
DUNKIRK___4 23566	125.12 -14.54 32.83	109.79 -11.46 18.57	100.39 -10.06 12.44	106.09 -10.42 10.10	112.56 -11.41 16.30	92.17 -10.58 26.71	41.79 -5.48 13.60	62.26 -7.51 8.99	40.33 -4.16 0.06	40.00 -7.01 22.20	45.09 -11.49 49.62	41.88 -8.81 28.74	37.98 -6.95 17.16	36.64 -7.47 21.35	34.48 -5.85 10.38	30.12 -6.46 18.93	27.34 -7.78 31.41	35.89 -12.02 65.28	58.30 -13.76 61.03	55.40 -11.80 50.00	21.75 -14.45 110.87	18.35 -11.66 87.93	18.90 -9.42 67.26	37.15 -9.32 48.96
DUNWOODS_138_KV_38W08_REV_LBMP_I 345000	184.41 11.93 0.00	149.11 9.30 0.00	131.19 8.30 0.00	135.25 8.64 0.00	149.67 9.40 0.00	165.68 8.94 -27.28	153.43 4.38 -88.18	129.32 5.66 -44.90	61.63 3.25 -13.83	73.12 4.55 0.63	107.22 5.72 4.71	80.49 3.97 2.91	63.66 3.22 1.66	66.75 3.27 1.98	52.62 2.90 0.98	57.03 3.01 1.47	67.12 3.40 2.80	113.69 6.04 5.55	138.12 7.37 2.33	120.30 6.52 3.42	150.31 7.94 4.71	117.89 6.55 6.60	96.01 5.11 4.68	96.19 5.03 4.27
E.WALDEN_115_KV_TR_1_REV_LBMP_G 345009	183.42 10.93 0.00	148.25 8.44 0.00	130.43 7.54 0.00	134.38 7.77 0.00	148.78 8.51 0.00	164.05 8.16 -26.42	150.36 3.98 -85.51	127.54 5.13 -43.65	60.88 2.90 -13.43	72.51 3.95 0.66	106.14 4.80 4.86	79.66 3.24 3.00	62.99 2.61 1.71	66.10 2.69 2.05	52.07 2.38 1.02	56.51 2.53 1.52	66.65 3.02 2.90	113.09 5.62 5.73	137.57 6.90 2.41	119.76 6.10 3.54	149.60 7.39 4.86	117.15 6.02 6.82	95.46 4.71 4.83	95.58 4.56 4.40

E179THST_138_KV_TB4_REV_LBMP_J 345001	184.45 11.96 0.00	149.25 9.43 0.00	131.25 8.36 -0.01	135.35 8.73 -0.01	149.73 9.45 -0.01	165.72 8.97 -27.29	153.47 4.42 -88.18	129.33 5.67 -44.90	61.69 3.31 -13.83	73.17 4.59 0.64	107.22 5.72 4.71	80.55 4.03 2.90	63.73 3.29 1.66	66.87 3.38 1.98	52.74 3.01 0.98	57.09 3.06 1.47	67.10 3.37 2.80	113.65 6.00 5.55	138.05 7.30 2.33	120.17 6.39 3.42	150.05 7.69 4.71	117.71 6.37 6.60	95.97 5.07 4.68	96.01 4.85 4.27
E179THST_13_KV_LOAD 356214	185.29 12.79 0.00	149.91 10.10 0.00	131.80 8.90 -0.01	135.86 9.24 -0.01	150.32 10.04 -0.01	166.26 9.51 -27.29	153.73 4.68 -88.18	129.67 6.01 -44.90	61.88 3.50 -13.83	73.48 4.90 0.64	107.70 6.20 4.71	80.92 4.40 2.90	64.02 3.58 1.66	67.18 3.69 1.98	52.97 3.25 0.98	57.36 3.33 1.47	67.42 3.69 2.80	114.20 6.56 5.55	138.73 7.98 2.33	120.77 6.99 3.42	150.82 8.45 4.71	118.29 6.95 6.60	96.43 5.53 4.68	96.46 5.30 4.27
EAST HAMPTON___GT 23717	184.81 12.33 0.00	150.41 10.59 0.00	132.24 9.35 0.00	136.53 9.92 0.00	151.01 10.74 0.00	167.65 10.91 -27.27	154.81 5.79 -88.15	130.68 7.03 -44.89	62.08 3.70 -13.82	74.19 5.61 0.63	110.60 9.11 4.71	83.13 6.60 2.91	65.43 4.99 1.66	68.30 4.83 1.98	53.62 3.90 0.98	58.78 4.75 1.47	69.39 5.66 2.81	120.27 10.93 3.86	143.76 13.01 2.33	128.17 11.30 0.33	157.41 12.12 1.80	127.34 9.35 -0.03	96.89 5.99 4.68	96.92 5.76 4.27
EAST RIVER___6 23660	184.05 11.56 0.00	148.83 9.02 0.00	131.01 8.12 0.00	135.10 8.49 0.00	149.35 9.08 0.00	165.30 8.57 -27.28	153.29 4.24 -88.17	129.21 5.55 -44.90	61.63 3.25 -13.83	73.11 4.54 0.63	107.15 5.65 4.71	80.45 3.93 2.91	63.65 3.21 1.66	66.70 3.23 1.98	52.63 2.92 0.98	57.05 3.03 1.47	67.05 3.32 2.81	113.48 5.83 5.55	137.77 7.02 2.33	120.01 6.23 3.42	149.99 7.62 4.71	117.74 6.39 6.60	95.88 4.98 4.68	96.03 4.88 4.27
EAST RIVER___7 23524	184.05 11.56 0.00	148.83 9.02 0.00	131.01 8.12 0.00	135.10 8.49 0.00	149.35 9.08 0.00	165.30 8.57 -27.28	153.29 4.24 -88.17	129.21 5.55 -44.90	61.63 3.25 -13.83	73.11 4.54 0.63	107.15 5.65 4.71	80.45 3.93 2.91	63.65 3.21 1.66	66.70 3.23 1.98	52.63 2.92 0.98	57.05 3.03 1.47	67.05 3.32 2.81	113.48 5.83 5.55	137.77 7.02 2.33	120.01 6.23 3.42	149.99 7.62 4.71	117.74 6.39 6.60	95.88 4.98 4.68	96.03 4.88 4.27
EASTVIEW_138_KV_38W32_REV_LBMP_I 345002	184.03 11.54 0.00	148.72 8.90 0.00	130.88 7.98 0.00	134.90 8.28 0.00	149.28 9.01 0.00	165.29 8.60 -27.22	153.07 4.21 -87.99	128.98 5.42 -44.81	61.47 3.11 -13.80	72.91 4.34 0.64	106.89 5.40 4.72	80.24 3.73 2.91	63.47 3.03 1.66	66.58 3.11 1.99	52.47 2.75 0.98	56.88 2.86 1.47	66.95 3.24 2.81	113.43 5.80 5.56	137.80 7.05 2.34	120.04 6.26 3.43	149.94 7.58 4.72	117.60 6.27 6.62	95.79 4.89 4.69	95.96 4.81 4.28
EAST_HAMPTON___DIESEL 23722	184.29 11.80 0.00	150.04 10.23 0.00	131.92 9.03 0.00	136.22 9.60 0.00	150.63 10.36 0.00	167.34 10.61 -27.27	154.66 5.63 -88.15	130.46 6.81 -44.89	61.96 3.58 -13.82	74.05 5.47 0.63	110.52 9.03 4.71	83.10 6.58 2.91	65.41 4.97 1.66	68.27 4.79 1.98	53.57 3.85 0.98	58.75 4.72 1.47	69.31 5.59 2.81	120.15 10.81 3.86	143.57 12.82 2.33	127.99 11.11 0.33	157.06 11.77 1.80	127.05 9.07 -0.03	96.60 5.70 4.68	96.65 5.50 4.27
EAST_POINT___SOLAR 323840	185.62 13.13 0.00	150.29 10.47 0.00	132.12 9.23 0.00	136.11 9.50 0.00	150.79 10.52 0.00	176.81 9.85 -37.50	211.51 4.70 -145.93	187.32 6.00 -102.56	76.93 2.98 -29.39	71.94 3.39 0.66	103.04 1.73 4.90	77.70 1.30 3.02	61.71 1.34 1.72	64.97 1.57 2.06	50.96 1.28 1.02	55.70 1.74 1.53	67.09 3.48 2.92	115.92 8.50 5.77	141.40 10.75 2.43	122.84 9.20 3.56	153.87 11.43 4.65	119.75 8.67 6.87	97.39 6.68 4.86	97.34 6.35 4.44
EAST_PULASKI___ESR 323781	172.71 0.22 0.00	140.34 0.52 0.00	123.08 0.19 0.00	126.56 -0.06 0.00	140.82 0.55 0.00	132.46 0.37 -2.63	68.36 -0.10 -7.58	81.24 -0.45 -2.93	45.16 -0.34 -0.95	63.44 -0.78 5.00	68.14 -0.99 37.08	55.30 -1.24 22.88	47.82 -1.25 13.03	48.66 -1.18 15.61	41.85 -1.11 7.74	42.87 -1.06 11.57	43.36 -1.10 22.08	69.42 -0.10 43.68	115.01 0.30 18.37	90.20 -0.04 26.96	108.81 -1.18 37.09	64.87 -1.06 52.02	57.30 -1.46 36.82	60.10 -1.74 33.58
EAST_RIVER___1 323558	184.43 11.94 0.00	149.11 9.30 0.00	131.22 8.33 0.00	135.32 8.70 0.00	149.63 9.36 0.00	165.62 8.88 -27.28	153.42 4.38 -88.17	129.35 5.69 -44.90	61.69 3.31 -13.83	73.22 4.65 0.63	107.27 5.78 4.71	80.55 4.03 2.91	63.73 3.29 1.66	66.81 3.33 1.98	52.71 2.99 0.98	57.13 3.10 1.47	67.12 3.39 2.81	113.62 5.97 5.55	137.94 7.19 2.33	120.13 6.35 3.42	150.12 7.75 4.71	117.77 6.42 6.60	95.89 4.99 4.68	96.07 4.91 4.27
EAST_RIVER___2 323559	184.05 11.56 0.00	148.83 9.02 0.00	131.01 8.12 0.00	135.10 8.49 0.00	149.35 9.08 0.00	165.30 8.57 -27.28	153.29 4.24 -88.17	129.21 5.55 -44.90	61.63 3.25 -13.83	73.11 4.54 0.63	107.15 5.65 4.71	80.45 3.93 2.91	63.65 3.21 1.66	66.70 3.23 1.98	52.63 2.92 0.98	57.05 3.03 1.47	67.05 3.32 2.81	113.48 5.83 5.55	137.77 7.02 2.33	120.01 6.23 3.42	149.99 7.62 4.71	117.74 6.39 6.60	95.88 4.98 4.68	96.03 4.88 4.27
EAST___DELAWARE_HYD 23607	181.56 9.07 0.00	146.55 6.74 0.00	128.84 5.95 0.00	132.77 6.16 0.00	147.06 6.79 0.00	160.94 6.57 -24.91	145.16 3.27 -81.01	124.83 4.25 -41.82	59.73 2.34 -12.84	71.52 2.99 0.69	104.24 3.17 5.13	78.14 1.88 3.17	61.77 1.48 1.80	64.76 1.46 2.16	51.02 1.39 1.07	55.48 1.58 1.60	65.59 2.11 3.05	111.64 4.48 6.04	136.16 5.62 2.54	118.40 4.92 3.73	147.90 5.95 5.13	115.48 4.72 7.20	94.08 3.59 5.09	94.17 3.39 4.64
EIGHT_POINT___WT_PWR 323820	82.44 -16.07 73.98	86.26 -11.78 41.77	85.33 -9.58 27.98	94.29 -9.60 22.72	92.35 -11.24 36.67	52.76 -11.00 65.70	6.60 -5.37 48.90	42.39 -6.93 29.44	39.88 -3.88 0.79	23.32 -6.91 38.99	62.54 -12.02 31.64	50.91 -9.47 19.05	52.84 -7.34 1.91	44.64 -8.41 12.41	38.78 -6.36 5.56	22.24 -6.83 26.42	19.49 -7.24 39.80	16.69 -10.66 85.84	9.86 -11.55 111.67	31.80 -10.60 74.80	-61.90 -11.89 197.10	-19.29 -12.11 125.13	-12.55 -9.83 98.30	21.72 -10.52 63.18
ELBRIDGE_115KV_TB2 80188	167.40 -5.09 0.00	135.79 -4.02 0.00	119.41 -3.49 0.00	122.92 -3.70 0.00	136.21 -4.06 0.00	129.54 -3.45 -3.52	70.69 -1.61 -11.43	82.32 -2.24 -5.80	45.07 -1.29 -1.81	60.99 -2.40 5.83	58.94 -4.04 43.22	49.54 -3.22 26.67	44.28 -2.62 15.19	44.43 -2.82 18.20	39.57 -2.12 9.02	39.80 -2.21 13.49	38.39 -2.40 25.74	58.45 -3.82 50.92	107.54 -4.12 21.42	82.14 -3.63 31.43	99.04 -4.81 43.24	53.40 -3.91 60.64	49.36 -3.29 42.92	52.92 -3.35 39.15
ELEC_TRO_TEK 24086	185.94 13.45 0.00	150.70 10.88 0.00	132.53 9.64 0.00	136.67 10.06 0.00	151.18 10.91 0.00	167.18 10.44 -27.27	154.13 5.11 -88.15	130.08 6.43 -44.89	61.99 3.62 -13.82	73.64 5.06 0.63	108.02 6.53 4.71	81.17 4.65 2.91	64.07 3.64 1.66	67.20 3.72 1.98	52.99 3.27 0.98	57.45 3.42 1.47	67.72 3.99 2.81	116.71 7.37 3.86	139.70 8.95 2.33	124.84 7.97 0.33	154.98 9.69 1.80	125.98 8.00 -0.03	96.96 6.07 4.68	97.12 5.96 4.27

ELLENBURG_WT_PWR 323604	171.74 -0.75 0.00	139.38 -0.44 0.00	122.19 -0.70 0.00	126.05 -0.57 0.00	139.61 -0.66 0.00	128.63 -0.84 0.00	60.25 -0.63 0.00	77.98 -0.78 0.00	44.25 -0.30 0.00	68.66 -0.23 0.32	104.46 0.64 2.38	79.09 1.14 1.47	62.02 0.76 0.84	65.42 0.96 1.00	50.62 0.42 0.50	55.29 0.53 0.74	65.58 0.47 1.42	111.70 1.32 2.81	133.11 1.21 1.18	116.26 0.79 1.73	144.85 0.16 2.38	113.79 -0.82 3.34	92.20 -1.02 2.37	93.25 -0.01 2.16
ELM_ST_23_KV_LD_REV_LBMP_A 345012	125.56 -16.42 30.51	110.15 -12.43 17.24	100.49 -10.85 11.55	105.90 -11.34 9.38	112.73 -12.41 15.13	93.56 -11.25 24.65	42.81 -5.89 12.17	62.46 -8.17 8.13	39.98 -4.54 0.04	40.52 -7.45 21.24	43.49 -12.47 50.24	40.81 -9.46 29.16	36.93 -7.56 17.61	35.82 -8.02 21.62	33.87 -6.30 10.53	29.89 -6.95 18.65	26.83 -8.49 31.21	35.19 -13.32 64.68	59.37 -15.33 58.38	55.02 -13.25 48.93	24.86 -15.77 106.45	18.65 -12.80 86.50	19.64 -10.02 65.92	37.04 -9.81 48.57
EMPIRE_CC_1 323656	180.55 8.06 0.00	146.29 6.47 0.00	128.80 5.90 0.00	132.71 6.10 0.00	147.13 6.86 0.00	168.11 6.48 -32.17	172.80 3.08 -108.84	143.66 3.95 -60.95	65.16 2.23 -18.38	71.92 3.20 0.49	106.65 4.12 3.66	80.14 2.98 2.26	63.13 2.33 1.29	66.34 2.43 1.54	51.96 2.03 0.77	56.39 2.03 1.14	66.80 2.45 2.18	113.14 4.26 4.32	136.50 5.23 1.82	119.35 4.81 2.66	150.11 5.85 2.82	117.58 4.77 5.14	95.92 3.98 3.64	96.25 4.14 3.32
EMPIRE_CC_2 323658	180.55 8.06 0.00	146.29 6.47 0.00	128.80 5.90 0.00	132.71 6.10 0.00	147.13 6.86 0.00	168.11 6.48 -32.17	172.80 3.08 -108.84	143.66 3.95 -60.95	65.16 2.23 -18.38	71.92 3.20 0.49	106.65 4.12 3.66	80.14 2.98 2.26	63.13 2.33 1.29	66.34 2.43 1.54	51.96 2.03 0.77	56.39 2.03 1.14	66.80 2.45 2.18	113.14 4.26 4.32	136.50 5.23 1.82	119.35 4.81 2.66	150.11 5.85 2.82	117.58 4.77 5.14	95.92 3.98 3.64	96.25 4.14 3.32
ENORWICH_115KV_TB1 80156	226.01 6.88 -46.64	173.25 7.11 -26.32	146.81 6.29 -17.63	147.63 6.70 -14.32	172.87 9.48 -23.11	192.67 9.17 -54.04	138.59 4.55 -73.17	126.64 6.09 -41.78	56.50 3.48 -8.47	95.16 4.61 -21.34	92.31 5.48 19.37	68.44 2.79 13.78	54.74 1.78 9.13	59.05 1.55 7.96	47.60 1.16 4.26	57.75 1.45 -0.81	64.23 2.85 5.14	114.54 7.04 5.70	187.03 8.72 -45.22	134.76 7.32 -10.23	229.42 8.58 -73.75	132.10 6.47 -7.68	112.55 4.78 -12.19	94.00 4.74 6.17
ERIE_ST__34_KV_TB1-2 80199	129.82 -10.88 31.79	113.58 -8.20 18.04	103.60 -7.21 12.08	109.27 -7.53 9.81	116.32 -8.12 15.84	96.29 -7.30 25.87	43.90 -4.05 12.92	64.45 -5.76 8.55	41.36 -3.21 -0.02	42.30 -5.30 21.62	47.71 -9.32 49.17	43.77 -7.08 28.57	39.46 -5.72 16.91	38.24 -6.09 21.13	35.58 -4.85 10.27	31.48 -5.23 18.78	28.85 -6.40 31.28	38.37 -9.91 64.92	62.04 -11.15 59.90	58.13 -9.57 49.51	26.97 -11.30 108.81	21.54 -9.24 87.17	21.88 -7.11 66.59	39.77 -6.90 48.75
ERIE_WT_PWR 323693	125.83 -15.10 31.56	110.64 -11.30 17.88	101.24 -9.67 11.97	106.67 -10.22 9.72	113.36 -11.21 15.70	93.52 -10.29 25.65	42.56 -5.46 12.86	62.67 -7.56 8.52	40.30 -4.21 0.04	40.76 -6.80 21.65	44.88 -11.46 49.87	41.82 -8.67 28.93	37.78 -6.96 17.35	36.62 -7.38 21.46	34.39 -5.87 10.44	30.19 -6.54 18.78	27.30 -7.93 31.31	35.87 -12.36 64.96	59.45 -13.99 59.64	55.52 -12.24 49.44	24.15 -14.47 108.46	19.02 -11.78 87.15	19.73 -9.29 66.55	37.53 -9.11 48.78
ESPRGFLD_115KV_TB1 80157	178.71 6.22 0.00	144.94 5.13 0.00	127.37 4.48 0.00	131.23 4.62 0.00	145.50 5.22 0.00	134.40 4.94 0.00	91.27 2.35 -28.04	126.77 3.08 -44.93	58.05 1.74 -11.75	70.36 2.25 1.11	100.85 2.87 8.22	76.17 1.82 5.07	60.59 1.38 2.89	63.47 1.47 3.46	50.07 1.08 1.72	54.16 1.23 2.57	63.49 1.86 4.90	107.82 4.31 9.69	134.42 5.41 4.07	115.71 4.48 5.98	144.59 5.56 8.05	110.48 4.06 11.53	90.34 2.93 8.17	90.64 2.66 7.45
ETNA_115_KV_TB1_REV_LBMP_C 345029	287.69 -0.15 -115.36	204.93 0.01 -65.11	166.60 0.10 -43.61	162.00 -0.04 -35.42	197.76 0.32 -57.16	248.46 0.55 -118.44	189.91 0.33 -128.71	152.50 0.39 -73.35	56.54 0.13 -11.86	123.42 -0.53 -54.73	89.33 -1.81 15.06	63.82 -1.87 13.73	49.22 -1.63 11.24	57.70 -1.87 5.90	45.59 -1.40 3.71	66.63 -1.32 -12.45	72.80 -0.95 -7.23	138.09 -0.47 -25.37	261.45 -0.08 -128.45	166.81 -0.06 -49.66	362.56 -0.42 -215.90	183.42 -0.54 -66.01	158.30 -0.66 -63.38	109.77 -0.75 -15.09
ETNA____115KV_TB2 80207	287.69 -0.15 -115.36	204.93 0.01 -65.11	166.60 0.10 -43.61	162.00 -0.04 -35.42	197.76 0.32 -57.16	248.46 0.55 -118.44	189.91 0.33 -128.71	152.50 0.39 -73.35	56.54 0.13 -11.86	123.42 -0.53 -54.73	89.33 -1.81 15.06	63.82 -1.87 13.73	49.22 -1.63 11.24	57.70 -1.87 5.90	45.59 -1.40 3.71	66.63 -1.32 -12.45	72.80 -0.95 -7.23	138.09 -0.47 -25.37	261.45 -0.08 -128.45	166.81 -0.06 -49.66	362.56 -0.42 -215.90	183.42 -0.54 -66.01	158.30 -0.66 -63.38	109.77 -0.75 -15.09
EUCLID____115KV_TB2 356179	166.35 -6.14 0.00	134.91 -4.90 0.00	118.60 -4.29 0.00	122.09 -4.52 0.00	135.45 -4.82 0.00	128.06 -4.33 -2.93	67.25 -2.07 -8.44	79.24 -2.79 -3.26	44.06 -1.56 -1.06	60.76 -2.75 5.70	59.37 -4.56 42.27	49.76 -3.58 26.08	44.38 -2.85 14.86	44.64 -3.02 17.80	39.59 -2.29 8.82	39.82 -2.49 13.19	38.51 -2.85 25.17	58.95 -4.44 49.80	107.08 -5.06 20.95	82.01 -4.45 30.74	98.97 -5.82 42.29	53.91 -4.73 59.31	49.68 -3.92 41.98	53.13 -4.00 38.29
E_CANADA_CAP_HY 24051	181.22 8.73 0.00	146.92 7.10 0.00	129.12 6.23 0.00	133.09 6.48 0.00	147.37 7.09 0.00	174.97 6.54 -38.97	211.68 3.06 -147.74	182.97 3.96 -100.25	75.55 2.09 -28.90	71.13 2.69 0.77	103.58 3.10 5.72	78.10 2.21 3.53	61.87 1.79 2.01	64.95 1.90 2.41	50.88 1.37 1.20	55.35 1.64 1.79	65.75 2.63 3.41	112.51 6.06 6.75	137.79 7.55 2.84	119.38 6.33 4.16	149.62 8.03 5.49	115.89 5.97 8.03	94.40 4.51 5.69	94.46 4.22 5.18
E_CANADA_MHWK_HY 24050	181.11 8.62 0.00	146.32 6.51 0.00	128.73 5.84 0.00	132.44 5.83 0.00	147.09 6.82 0.00	136.20 6.74 0.00	64.28 3.40 0.00	83.14 4.38 0.00	46.93 2.38 0.00	71.59 2.90 0.53	104.37 2.07 3.90	78.07 1.05 2.40	61.47 0.75 1.37	64.27 0.46 1.64	50.53 0.64 0.81	54.96 0.68 1.22	65.91 1.70 2.32	112.82 4.21 4.59	136.72 5.57 1.93	119.59 5.21 2.83	149.00 5.82 3.90	117.35 4.87 5.46	95.48 3.77 3.87	95.74 3.84 3.53
E_FISHKILL____LBMP 23776	183.06 10.57 0.00	147.98 8.16 0.00	130.20 7.31 0.00	134.16 7.55 0.00	148.57 8.30 0.00	165.21 7.91 -27.84	154.72 3.87 -89.97	129.54 4.98 -45.80	61.51 2.85 -14.10	72.57 3.97 0.62	106.48 4.89 4.61	79.94 3.36 2.84	63.22 2.75 1.62	66.34 2.83 1.94	52.23 2.49 0.96	56.63 2.57 1.44	66.74 2.96 2.74	113.10 5.34 5.43	137.27 6.48 2.28	119.63 5.77 3.35	149.46 6.95 4.57	117.19 5.71 6.47	95.48 4.48 4.58	95.68 4.43 4.18
FALCON____SEABRD_CC1 323796	174.02 1.53 0.00	141.30 1.48 0.00	123.97 1.08 0.00	127.90 1.29 0.00	141.76 1.49 0.00	130.67 1.21 0.00	61.02 0.15 0.00	78.76 0.00 0.00	44.69 0.13 0.00	69.21 0.32 0.33	104.90 1.13 2.43	79.71 1.79 1.50	62.40 1.16 0.86	65.84 1.40 1.02	51.06 0.86 0.51	55.75 1.02 0.76	66.18 1.10 1.45	112.82 2.49 2.87	134.51 2.64 1.21	117.46 2.03 1.77	146.13 1.48 2.43	114.70 0.16 3.41	92.91 -0.25 2.42	94.35 1.14 2.20

FALCON___SEABRD_CC2 323797	174.02 1.53 0.00	141.30 1.48 0.00	123.97 1.08 0.00	127.90 1.29 0.00	141.76 1.49 0.00	130.67 1.21 0.00	61.02 0.15 0.00	78.76 0.00 0.00	44.69 0.13 0.00	69.21 0.32 0.33	104.90 1.13 2.43	79.71 1.79 1.50	62.40 1.16 0.86	65.84 1.40 1.02	51.06 0.86 0.51	55.75 1.02 0.76	66.18 1.10 1.45	112.82 2.49 2.87	134.51 2.64 1.21	117.46 2.03 1.77	146.13 1.48 2.43	114.70 0.16 3.41	92.91 -0.25 2.42	94.35 1.14 2.20
FAR ROCKAWAY___4 23548	188.44 15.95 0.00	152.66 12.84 0.00	134.21 11.32 0.00	138.39 11.78 0.00	153.08 12.80 0.00	168.96 12.22 -27.27	154.94 5.92 -88.15	131.07 7.42 -44.89	62.52 4.14 -13.82	74.43 5.85 0.63	109.22 7.73 4.71	82.08 5.57 2.91	64.79 4.35 1.66	67.97 4.50 1.98	53.58 3.86 0.98	58.13 4.10 1.47	68.64 4.92 2.81	118.26 8.92 3.86	141.55 10.80 2.33	126.46 9.59 0.33	157.10 11.82 1.80	127.65 9.66 -0.03	98.31 7.41 4.68	98.41 7.26 4.27
FARRAGUT_138_KV_32071_REV_LBMP_J 345003	184.60 12.11 0.00	149.25 9.44 0.00	131.32 8.43 0.00	135.45 8.83 0.00	149.77 9.50 0.00	165.78 9.04 -27.28	153.49 4.44 -88.17	129.42 5.76 -44.90	61.74 3.35 -13.83	73.28 4.70 0.63	107.41 5.91 4.71	80.65 4.13 2.91	63.81 3.37 1.66	66.88 3.41 1.98	52.77 3.05 0.98	57.15 3.12 1.47	67.17 3.45 2.81	113.69 6.04 5.55	138.06 7.31 2.33	120.22 6.43 3.42	150.19 7.82 4.71	117.85 6.51 6.60	95.95 5.05 4.68	96.12 4.96 4.27
FARRAGUT_138_KV_38B01_REV_LBMP_J 345016	184.75 12.26 0.00	149.30 9.48 0.00	131.43 8.54 0.00	135.50 8.89 0.00	149.88 9.61 0.00	165.86 9.12 -27.28	153.53 4.48 -88.17	129.48 5.81 -44.90	61.77 3.38 -13.83	73.31 4.73 0.63	107.47 5.98 4.71	80.69 4.18 2.91	63.83 3.40 1.66	66.93 3.45 1.98	52.78 3.06 0.98	57.19 3.16 1.47	67.19 3.47 2.81	113.78 6.14 5.55	138.17 7.42 2.33	120.29 6.51 3.42	150.28 7.91 4.71	117.94 6.60 6.60	96.02 5.12 4.68	96.19 5.03 4.27
FARRAGUT_138_KV_38M12_REV_LBMP_J 345017	184.55 12.06 0.00	149.14 9.32 0.00	131.28 8.39 0.00	135.37 8.76 0.00	149.70 9.43 0.00	165.72 8.98 -27.28	153.46 4.41 -88.17	129.39 5.73 -44.90	61.72 3.34 -13.83	73.22 4.64 0.63	107.35 5.86 4.71	80.62 4.10 2.91	63.77 3.34 1.66	66.86 3.38 1.98	52.72 3.01 0.98	57.13 3.10 1.47	67.13 3.40 2.81	113.63 5.99 5.55	137.96 7.21 2.33	120.14 6.36 3.42	150.10 7.73 4.71	117.78 6.44 6.60	95.90 5.00 4.68	96.09 4.93 4.27
FARRAGUT___LBMP 323566	184.39 11.90 0.00	149.02 9.20 0.00	131.19 8.30 0.00	135.25 8.64 0.00	149.61 9.34 0.00	165.60 8.86 -27.28	153.41 4.36 -88.17	129.33 5.67 -44.90	61.68 3.30 -13.83	73.17 4.59 0.63	107.26 5.76 4.71	80.54 4.02 2.91	63.72 3.28 1.66	66.81 3.33 1.98	52.68 2.96 0.98	57.08 3.06 1.47	67.07 3.34 2.81	113.55 5.91 5.55	137.88 7.13 2.33	120.06 6.28 3.42	149.99 7.62 4.71	117.70 6.36 6.60	95.83 4.93 4.68	96.01 4.85 4.27
FENNER___WINDPWR 24204	196.37 1.97 -21.91	154.03 1.85 -12.37	132.95 1.77 -8.28	135.12 1.78 -6.73	153.44 2.31 -10.86	156.52 2.15 -24.91	94.14 1.05 -32.21	97.81 1.26 -17.79	48.70 0.70 -3.44	77.45 0.86 -7.38	82.29 0.91 24.82	63.42 0.11 16.12	52.08 -0.07 9.93	54.96 -0.11 10.39	45.31 -0.10 5.30	50.94 -0.16 4.40	55.15 0.16 11.54	93.80 1.34 20.73	148.62 1.88 -13.65	112.16 1.29 6.34	167.76 1.37 -19.31	101.02 0.96 17.89	86.44 0.38 9.51	78.94 0.30 16.78
FIBERTEK___ENERGY 23856	169.09 -3.39 0.00	137.15 -2.67 0.00	120.55 -2.34 0.00	124.06 -2.56 0.00	137.63 -2.64 0.00	130.60 -2.24 -3.37	70.75 -1.07 -10.94	82.79 -1.51 -5.54	45.41 -0.87 -1.73	61.74 -1.72 5.75	60.57 -3.02 42.61	50.65 -2.48 26.29	45.09 -2.03 14.98	45.34 -2.17 17.95	40.17 -1.64 8.90	40.50 -1.70 13.30	39.37 -1.79 25.38	60.39 -2.60 50.20	109.17 -2.79 21.12	83.75 -2.47 30.99	101.03 -3.42 42.63	55.30 -2.87 59.78	50.78 -2.48 42.31	54.25 -2.58 38.60
FITZPATRICK____ 23598	164.46 -8.03 0.00	133.40 -6.42 0.00	117.27 -5.62 0.00	120.77 -5.85 0.00	133.87 -6.40 0.00	125.80 -5.80 -2.14	64.28 -2.74 -6.15	77.49 -3.65 -2.38	43.30 -2.03 -0.77	57.36 -3.41 8.45	38.20 -5.38 62.63	36.66 -4.12 38.64	36.85 -3.23 22.01	35.67 -3.41 26.38	35.05 -2.58 13.07	33.13 -2.82 19.55	25.90 -3.33 37.29	33.88 -5.53 73.78	95.64 -6.41 31.03	65.96 -5.71 45.54	77.23 -7.20 62.65	24.30 -5.79 87.86	28.63 -4.76 62.19	33.92 -4.78 56.73
FLOWRFLD_69_KV_BK1 356044	187.30 14.81 0.00	152.50 12.68 0.00	134.10 11.21 0.00	138.39 11.78 0.00	153.02 12.74 0.00	168.99 12.26 -27.27	155.21 6.18 -88.15	131.44 7.79 -44.89	62.65 4.27 -13.82	74.52 5.94 0.63	109.44 7.94 4.71	82.03 5.51 2.91	64.64 4.20 1.66	67.77 4.30 1.98	53.47 3.76 0.98	58.17 4.14 1.47	68.75 5.02 2.81	119.12 9.79 3.86	142.51 11.76 2.33	127.51 10.64 0.33	158.10 12.82 1.80	128.28 10.30 -0.03	98.60 7.71 4.68	98.73 7.57 4.27
FORGEBRK_115_KV_TR1_2_REV_LBMP_G 345010	185.61 13.12 0.00	149.99 10.18 0.00	131.94 9.05 0.00	135.94 9.33 0.00	150.54 10.27 0.00	166.63 9.80 -27.36	154.16 4.78 -88.51	130.07 6.16 -45.15	61.92 3.47 -13.90	73.41 4.83 0.63	107.64 6.14 4.70	80.74 4.22 2.90	63.83 3.39 1.65	66.98 3.50 1.98	52.75 3.02 0.98	57.28 3.25 1.47	67.61 3.88 2.80	114.75 7.08 5.53	139.37 8.62 2.33	121.42 7.63 3.42	151.63 9.25 4.70	118.84 7.48 6.59	96.78 5.86 4.66	96.88 5.71 4.25
FORT ORANGE____ 23900	180.93 8.44 0.00	146.81 7.00 0.00	129.27 6.38 0.00	133.16 6.55 0.00	147.61 7.33 0.00	169.18 6.56 -33.16	183.44 2.83 -119.73	157.32 3.35 -75.20	68.52 1.87 -22.09	71.32 2.58 0.47	105.39 2.69 3.51	79.35 2.09 2.16	62.51 1.65 1.23	65.70 1.72 1.48	51.39 1.42 0.73	55.70 1.30 1.09	66.07 1.63 2.09	112.07 3.01 4.13	135.28 3.94 1.74	118.51 3.86 2.55	146.11 4.05 5.02	116.69 3.66 4.92	95.28 3.18 3.48	95.78 3.53 3.18
FORT_DRUM_COGEN 23780	180.34 7.85 0.00	147.05 7.23 0.00	128.37 5.48 0.00	131.89 5.27 0.00	147.39 7.12 0.00	137.44 6.21 -1.77	68.21 2.24 -5.10	82.77 2.04 -1.97	46.09 0.90 -0.64	67.37 1.48 3.32	85.13 3.56 24.63	65.77 1.55 15.20	54.07 0.63 8.66	56.28 1.20 10.37	45.73 0.17 5.14	48.47 0.66 7.69	52.81 0.94 14.67	89.38 5.21 29.02	128.17 7.30 12.21	104.80 5.51 17.91	126.60 4.16 24.64	85.81 2.42 34.56	71.81 0.69 24.46	73.37 0.26 22.31
FOX_HILLS___ESR 323835	295.83 12.73 -110.61	149.68 9.86 -0.01	131.69 8.79 -0.01	135.80 9.18 -0.01	150.27 9.99 -0.01	166.15 9.40 -27.28	268.72 4.74 -203.10	175.85 6.14 -90.95	110.28 3.66 -62.06	131.50 5.11 -57.17	89.68 6.39 22.92	292.95 4.57 -208.96	314.25 3.69 -248.47	301.25 3.87 -231.92	306.06 3.40 -251.95	310.31 3.50 -251.31	130.80 3.82 -60.46	283.94 6.53 -164.21	266.61 7.94 -125.59	277.69 6.93 -153.55	380.09 8.39 -224.62	312.46 6.91 -187.60	307.40 5.46 -206.36	104.80 5.29 -4.09
FPL FAR_ROCK_GT1 24212	188.43 15.94 0.00	152.65 12.84 0.00	134.21 11.31 0.00	138.39 11.78 0.00	153.09 12.81 0.00	168.94 12.20 -27.27	154.94 5.92 -88.15	131.05 7.40 -44.89	62.52 4.15 -13.82	74.43 5.85 0.63	109.18 7.68 4.71	82.06 5.54 2.91	64.76 4.32 1.66	67.93 4.46 1.98	53.57 3.85 0.98	58.13 4.10 1.47	68.65 4.93 2.81	118.25 8.92 3.86	141.54 10.79 2.33	126.47 9.59 0.33	157.10 11.82 1.80	127.61 9.62 -0.03	98.30 7.40 4.68	98.40 7.24 4.27

FPL_FAR_ROCK_GT2 23815	188.43 15.94 0.00	152.65 12.84 0.00	134.21 11.31 0.00	138.39 11.78 0.00	153.09 12.81 0.00	168.94 12.20 -27.27	154.94 5.92 -88.15	131.05 7.40 -44.89	62.52 4.15 -13.82	74.43 5.85 0.63	109.18 7.68 4.71	82.06 5.54 2.91	64.76 4.32 1.66	67.93 4.46 1.98	53.57 3.85 0.98	58.13 4.10 1.47	68.65 4.93 2.81	118.25 8.92 3.86	141.54 10.79 2.33	126.47 9.59 0.33	157.10 11.82 1.80	127.61 9.62 -0.03	98.30 7.40 4.68	98.40 7.24 4.27
FRANKLIN_FALL_HYD 24054	175.53 3.05 0.00	142.37 2.55 0.00	124.93 2.04 0.00	128.72 2.11 0.00	142.45 2.18 0.00	130.95 1.48 0.00	61.39 0.52 0.00	79.57 0.81 0.00	45.11 0.55 0.00	69.87 1.16 0.51	105.58 3.14 3.76	80.32 3.21 2.32	63.12 2.35 1.32	66.44 2.56 1.59	51.52 1.60 0.79	56.12 1.80 1.17	66.19 1.90 2.24	112.42 3.66 4.43	135.32 4.10 1.86	117.77 3.30 2.73	147.06 3.74 3.76	114.93 2.25 5.27	93.26 1.42 3.73	94.10 2.08 3.40
FREEPORT_EQUS_GT1 23764	186.85 14.36 0.00	151.51 11.70 0.00	133.20 10.31 0.00	137.37 10.76 0.00	151.91 11.63 0.00	167.86 11.13 -27.27	154.47 5.44 -88.15	130.48 6.83 -44.89	62.19 3.81 -13.82	73.91 5.33 0.63	108.37 6.87 4.71	81.44 4.93 2.91	64.28 3.84 1.66	67.43 3.96 1.98	53.16 3.45 0.98	57.69 3.67 1.47	68.10 4.37 2.81	117.45 8.12 3.86	140.64 9.89 2.33	125.68 8.81 0.33	156.01 10.73 1.80	126.75 8.77 -0.03	97.57 6.67 4.68	97.67 6.51 4.27
FREEPORT___CT2 23818	186.85 14.36 0.00	151.51 11.70 0.00	133.20 10.31 0.00	137.37 10.76 0.00	151.91 11.63 0.00	167.86 11.13 -27.27	154.47 5.44 -88.15	130.48 6.83 -44.89	62.19 3.81 -13.82	73.91 5.33 0.63	108.37 6.87 4.71	81.44 4.93 2.91	64.28 3.84 1.66	67.43 3.96 1.98	53.16 3.45 0.98	57.69 3.67 1.47	68.10 4.37 2.81	117.45 8.12 3.86	140.64 9.89 2.33	125.68 8.81 0.33	156.01 10.73 1.80	126.75 8.77 -0.03	97.57 6.67 4.68	97.67 6.51 4.27
FRESHKLS_33_KV_LOAD 356253	295.26 12.16 -110.61	149.23 9.40 -0.01	131.25 8.35 -0.01	135.34 8.72 -0.01	149.83 9.55 -0.01	165.70 8.95 -27.28	268.53 4.55 -203.10	175.60 5.90 -90.95	110.16 3.54 -62.06	131.28 4.90 -57.17	89.25 5.96 22.92	292.66 4.27 -208.96	314.02 3.46 -248.47	301.05 3.67 -231.92	305.91 3.26 -251.95	310.15 3.34 -251.31	130.60 3.62 -60.46	284.07 6.16 -164.71	267.57 7.52 -126.97	279.05 6.55 -155.30	380.50 7.91 -225.51	312.24 6.57 -187.71	307.13 5.19 -206.36	104.52 5.00 -4.09
FULTON COGEN____ 23766	170.30 -2.19 0.00	138.03 -1.78 0.00	121.26 -1.63 0.00	124.76 -1.85 0.00	138.56 -1.71 0.00	130.83 -1.52 -2.89	68.41 -0.80 -8.34	80.79 -1.19 -3.22	44.90 -0.70 -1.04	62.29 -1.40 5.52	62.83 -2.45 40.92	52.05 -2.13 25.25	45.94 -1.77 14.38	46.36 -1.86 17.23	40.72 -1.45 8.54	41.24 -1.49 12.77	40.67 -1.49 24.37	63.30 -1.68 48.21	111.12 -1.68 20.28	85.89 -1.56 29.76	103.59 -2.56 40.93	58.31 -2.23 57.41	52.70 -2.25 40.63	55.97 -2.39 37.07
FULTON___LFGE 323630	183.85 11.36 0.00	148.89 9.08 0.00	130.87 7.97 0.00	134.80 8.19 0.00	149.36 9.09 0.00	175.07 8.48 -37.13	210.39 4.04 -145.48	187.08 5.18 -103.14	76.73 2.66 -29.51	71.75 3.16 0.63	104.30 2.78 4.69	78.64 2.11 2.90	62.21 1.77 1.65	64.92 1.44 1.97	50.76 1.03 0.98	55.38 1.34 1.47	66.61 2.88 2.79	114.97 7.30 5.53	139.90 9.15 2.32	121.64 7.85 3.41	152.45 9.80 4.43	118.84 7.48 6.58	96.69 5.77 4.66	96.67 5.49 4.25
G.F.CEMENT___DRP 24184	188.96 16.47 0.00	152.66 12.84 0.00	134.41 11.52 0.00	138.46 11.85 0.00	153.75 13.48 0.00	176.67 12.85 -34.36	205.59 6.36 -138.36	188.37 8.24 -101.38	77.97 4.54 -28.88	75.34 6.58 0.45	111.79 8.94 3.36	83.59 6.24 2.08	65.62 4.71 1.18	68.84 4.80 1.42	53.89 3.89 0.70	58.76 4.31 1.05	70.32 5.79 2.00	120.09 10.86 3.96	144.29 12.87 1.67	126.05 11.28 2.45	157.89 13.70 2.89	123.77 10.54 4.72	100.69 8.46 3.34	100.99 8.62 3.05
GARDENVILLE___LBMP 24039	125.31 -15.48 31.69	110.10 -11.79 17.92	100.65 -10.24 12.01	106.16 -10.70 9.75	112.81 -11.73 15.74	93.06 -10.66 25.74	42.24 -5.63 13.01	62.33 -7.81 8.62	40.10 -4.33 0.12	40.21 -7.13 21.88	43.44 -12.01 50.75	40.93 -9.14 29.36	36.91 -7.29 17.90	35.85 -7.73 21.88	33.95 -6.10 10.66	29.99 -6.69 18.82	27.04 -8.13 31.36	35.37 -12.74 65.08	58.68 -14.61 59.79	55.05 -12.62 49.54	23.26 -15.02 108.80	18.37 -12.24 87.35	19.24 -9.60 66.73	37.13 -9.45 48.85
GARDNVLA_35_KV_LD 355827	126.20 -14.78 31.51	110.88 -11.07 17.86	101.28 -9.64 11.96	106.79 -10.10 9.72	113.51 -11.08 15.68	93.82 -10.02 25.62	42.72 -5.35 12.81	62.86 -7.42 8.49	40.43 -4.11 0.01	40.87 -6.79 21.56	45.12 -11.55 49.54	41.92 -8.73 28.77	37.93 -7.02 17.14	36.72 -7.44 21.30	34.48 -5.86 10.36	30.31 -6.43 18.76	27.43 -7.81 31.29	36.10 -12.18 64.92	59.56 -13.94 59.58	55.72 -12.07 49.41	24.42 -14.32 108.34	19.18 -11.68 87.08	19.92 -9.17 66.49	37.69 -8.99 48.75
GELCKHM___115KV_LOAD 80723	167.38 -5.11 0.00	135.75 -4.07 0.00	119.34 -3.55 0.00	122.85 -3.76 0.00	136.26 -4.01 0.00	129.02 -3.54 -3.10	68.11 -1.69 -8.92	79.91 -2.30 -3.45	44.37 -1.30 -1.12	61.10 -2.35 5.76	59.51 -3.97 42.72	49.91 -3.15 26.36	44.53 -2.55 15.02	44.77 -2.70 17.99	39.74 -2.04 8.92	39.99 -2.17 13.33	38.65 -2.44 25.44	59.10 -3.76 50.34	107.66 -4.25 21.17	82.39 -3.75 31.07	99.39 -4.95 42.74	53.95 -4.06 59.94	49.72 -3.43 42.42	53.26 -3.47 38.70
GENERAL___MILLS 23808	125.99 -14.94 31.56	110.71 -11.22 17.88	101.17 -9.74 11.97	106.67 -10.22 9.72	113.35 -11.23 15.70	93.66 -10.15 25.65	42.61 -5.40 12.86	62.73 -7.51 8.52	40.35 -4.16 0.04	40.70 -6.87 21.65	44.67 -11.67 49.87	41.66 -8.84 28.93	37.66 -7.09 17.35	36.49 -7.50 21.46	34.35 -5.91 10.44	30.23 -6.49 18.78	27.33 -7.89 31.31	35.90 -12.34 64.96	59.33 -14.11 59.64	55.55 -12.21 49.44	24.09 -14.53 108.46	18.97 -11.83 87.15	19.74 -9.28 66.55	37.56 -9.09 48.78
GE_PLASTICS___DRP 24183	179.37 6.88 0.00	145.43 5.61 0.00	128.00 5.11 0.00	131.87 5.26 0.00	146.14 5.87 0.00	168.01 5.39 -33.16	180.21 2.47 -116.87	152.40 3.15 -70.49	67.24 1.80 -20.89	71.28 2.53 0.47	105.65 2.93 3.49	79.46 2.19 2.15	62.59 1.73 1.22	65.83 1.84 1.47	51.51 1.53 0.73	55.86 1.46 1.09	66.25 1.80 2.08	112.20 3.12 4.11	135.30 3.94 1.73	118.41 3.74 2.54	146.83 4.15 4.41	116.68 3.63 6.07	95.13 3.02 8.51	95.50 3.24 5.50
GILBOA___1 23756	178.53 6.04 0.00	144.54 4.72 0.00	127.15 4.25 0.00	130.99 4.38 0.00	145.16 4.88 0.00	160.43 4.64 -26.33	147.14 2.12 -84.15	123.30 2.77 -41.78	59.16 1.65 -12.96	70.63 2.23 0.82	102.75 2.61 6.07	77.43 1.75 3.74	61.39 1.43 2.13	64.57 1.66 2.55	50.89 1.45 1.27	54.91 1.31 1.89	64.49 1.58 3.61	109.01 2.96 7.15	133.75 3.68 3.01	116.09 3.30 4.41	144.88 3.88 6.07	112.63 3.19 8.51	92.07 2.52 6.03	92.48 2.55 5.50
GILBOA___2 23757	178.53 6.04 0.00	144.54 4.72 0.00	127.15 4.25 0.00	130.99 4.38 0.00	145.16 4.88 0.00	160.43 4.64 -26.33	147.14 2.12 -84.15	123.30 2.77 -41.78	59.16 1.65 -12.96	70.63 2.23 0.82	102.75 2.61 6.07	77.43 1.75 3.74	61.39 1.43 2.13	64.57 1.66 2.55	50.89 1.45 1.27	54.91 1.31 1.89	64.49 1.58 3.61	109.01 2.96 7.15	133.75 3.68 3.01	116.09 3.30 4.41	144.88 3.88 6.07	112.63 3.19 8.51	92.07 2.52 6.03	92.48 2.55 5.50

GILBOA___3 23758	178.53 6.04 0.00	144.54 4.72 0.00	127.15 4.25 0.00	130.99 4.38 0.00	145.16 4.88 0.00	160.43 4.64 -26.33	147.14 2.12 -84.15	123.30 2.77 -41.78	59.16 1.65 -12.96	70.63 2.23 0.82	102.75 2.61 6.07	77.43 1.75 3.74	61.39 1.43 2.13	64.57 1.66 2.55	50.89 1.45 1.27	54.91 1.31 1.89	64.49 1.58 3.61	109.01 2.96 7.15	133.75 3.68 3.01	116.09 3.30 4.41	144.88 3.88 6.07	112.63 3.19 8.51	92.07 2.52 6.03	92.48 2.55 5.50
GILBOA___4 23759	178.53 6.04 0.00	144.54 4.72 0.00	127.15 4.25 0.00	130.99 4.38 0.00	145.16 4.88 0.00	160.43 4.64 -26.33	147.14 2.12 -84.15	123.30 2.77 -41.78	59.16 1.65 -12.96	70.63 2.23 0.82	102.75 2.61 6.07	77.43 1.75 3.74	61.39 1.43 2.13	64.57 1.66 2.55	50.89 1.45 1.27	54.91 1.31 1.89	64.49 1.58 3.61	109.01 2.96 7.15	133.75 3.68 3.01	116.09 3.30 4.41	144.88 3.88 6.07	112.63 3.19 8.51	92.07 2.52 6.03	92.48 2.55 5.50
GILBOA___ 23599	178.55 6.06 0.00	144.55 4.73 0.00	127.15 4.25 0.00	130.99 4.38 0.00	145.17 4.90 0.00	160.44 4.65 -26.33	147.14 2.12 -84.15	123.31 2.77 -41.78	59.16 1.65 -12.96	70.63 2.24 0.82	102.77 2.63 6.07	77.46 1.78 3.74	61.40 1.45 2.13	64.60 1.69 2.55	50.89 1.46 1.27	54.91 1.31 1.89	64.50 1.58 3.61	109.02 2.97 7.15	133.75 3.68 3.01	116.11 3.32 4.41	144.90 3.89 6.07	112.65 3.21 8.51	92.08 2.53 6.03	92.49 2.56 5.50
GINNA___ 23603	138.99 -17.45 16.05	117.14 -13.62 9.06	104.95 -11.87 6.07	109.31 -12.38 4.93	118.79 -13.53 7.95	105.40 -12.31 11.75	52.42 -5.94 2.52	68.49 -7.94 2.34	40.92 -4.44 -0.81	48.22 -7.30 13.69	48.89 -11.63 45.68	42.97 -8.86 27.60	39.80 -7.12 15.17	38.54 -7.62 19.29	35.31 -5.95 9.45	32.29 -6.50 16.71	29.33 -7.62 29.57	40.93 -12.21 60.05	77.42 -14.01 41.65	63.01 -12.40 41.80	53.80 -15.26 78.02	29.04 -12.42 76.49	29.08 -10.05 56.45	39.92 -9.94 45.56
GLEN PARK___ 23778	181.27 8.78 0.00	147.75 7.94 0.00	128.99 6.10 0.00	132.53 5.92 0.00	148.10 7.83 0.00	138.22 6.93 -1.83	68.78 2.61 -5.29	83.31 2.51 -2.04	46.37 1.15 -0.66	67.58 1.83 3.46	84.68 4.09 25.61	65.53 1.91 15.80	53.97 0.88 9.00	56.05 1.38 10.79	45.66 0.30 5.35	48.28 0.78 7.99	52.37 1.09 15.25	88.86 5.83 30.17	128.47 8.08 12.69	104.78 6.20 18.62	126.45 4.98 25.62	85.10 3.08 35.93	71.35 1.21 25.43	72.95 0.73 23.20
GLENDALÉ_27_KV_LOAD 356172	185.98 13.49 0.00	150.32 10.51 0.00	132.24 9.34 -0.01	136.38 9.76 -0.01	150.82 10.54 -0.01	166.76 10.01 -27.29	153.99 4.94 -88.18	130.05 6.39 -44.90	69.96 3.75 -21.66	85.16 5.30 -10.65	108.28 6.78 4.71	85.95 4.81 -1.72	89.48 3.90 -23.48	90.68 3.98 -21.23	88.84 3.47 -34.66	86.46 3.60 -27.36	67.69 3.96 2.80	116.63 6.91 3.47	144.84 8.36 -3.40	128.36 7.31 -3.83	154.86 8.83 1.05	119.11 7.27 6.12	96.57 5.68 4.68	96.72 5.57 4.27
GLENWOOD_IC_1_G5 23712	186.90 14.41 0.00	151.48 11.66 0.00	133.17 10.28 0.00	137.37 10.75 0.00	151.91 11.64 0.00	167.87 11.13 -27.27	154.47 5.45 -88.15	130.52 6.87 -44.89	62.24 3.87 -13.82	73.99 5.41 0.63	108.28 6.79 4.71	81.52 5.01 2.91	64.38 3.94 1.66	67.55 4.08 1.98	53.24 3.52 0.98	57.54 3.51 1.47	67.85 4.12 2.81	116.98 7.64 3.86	140.08 9.33 2.33	125.16 8.29 0.33	155.37 10.09 1.80	126.24 8.26 -0.03	97.18 6.29 4.68	97.33 6.18 4.27
GLENWOOD_IC_2_G1 23688	186.38 13.89 0.00	151.03 11.21 0.00	132.82 9.93 0.00	136.98 10.37 0.00	151.50 11.23 0.00	167.47 10.74 -27.27	154.29 5.26 -88.15	130.28 6.64 -44.89	62.10 3.72 -13.82	73.81 5.23 0.63	108.17 6.68 4.71	81.27 4.75 2.91	64.19 3.75 1.66	67.33 3.85 1.98	53.09 3.37 0.98	57.54 3.51 1.47	67.85 4.12 2.81	116.94 7.60 3.86	139.97 9.22 2.33	125.09 8.22 0.33	155.29 10.00 1.80	126.16 8.18 -0.03	97.15 6.25 4.68	97.29 6.13 4.27
GLENWOOD_IC_3_G1 23689	186.38 13.89 0.00	151.03 11.21 0.00	132.82 9.93 0.00	136.98 10.37 0.00	151.50 11.23 0.00	167.47 10.74 -27.27	154.29 5.26 -88.15	130.28 6.64 -44.89	62.10 3.72 -13.82	73.81 5.23 0.63	108.17 6.68 4.71	81.27 4.75 2.91	64.19 3.75 1.66	67.33 3.85 1.98	53.09 3.37 0.98	57.54 3.51 1.47	67.85 4.12 2.81	116.94 7.60 3.86	139.97 9.22 2.33	125.09 8.22 0.33	155.29 10.00 1.80	126.16 8.18 -0.03	97.15 6.25 4.68	97.29 6.13 4.27
GLENWOOD___4 23550	186.90 14.41 0.00	151.48 11.66 0.00	133.17 10.28 0.00	137.37 10.75 0.00	151.91 11.64 0.00	167.87 11.13 -27.27	154.47 5.45 -88.15	130.52 6.87 -44.89	62.24 3.87 -13.82	73.99 5.41 0.63	108.36 6.87 4.71	81.55 5.03 2.91	64.38 3.94 1.66	67.55 4.08 1.98	53.24 3.52 0.98	57.61 3.58 1.47	67.93 4.21 2.81	117.13 7.79 3.86	140.23 9.48 2.33	125.31 8.44 0.33	155.55 10.27 1.80	126.38 8.39 -0.03	97.29 6.39 4.68	97.45 6.29 4.27
GLENWOOD___5 23614	186.90 14.41 0.00	151.48 11.66 0.00	133.17 10.28 0.00	137.37 10.75 0.00	151.91 11.64 0.00	167.87 11.13 -27.27	154.47 5.45 -88.15	130.52 6.87 -44.89	62.24 3.87 -13.82	73.99 5.41 0.63	108.36 6.87 4.71	81.55 5.03 2.91	64.38 3.94 1.66	67.55 4.08 1.98	53.24 3.52 0.98	57.61 3.58 1.47	67.93 4.21 2.81	117.13 7.79 3.86	140.23 9.48 2.33	125.31 8.44 0.33	155.55 10.27 1.80	126.38 8.39 -0.03	97.29 6.39 4.68	97.45 6.29 4.27
GLOBAL GREEN_PORT_GT1 23814	186.24 13.75 0.00	151.56 11.75 0.00	133.26 10.37 0.00	137.59 10.97 0.00	152.14 11.86 0.00	168.57 11.84 -27.27	155.24 6.22 -88.15	131.26 7.61 -44.89	62.41 4.04 -13.82	74.54 5.96 0.63	110.64 9.14 4.71	83.08 6.56 2.91	65.41 4.97 1.66	68.35 4.88 1.98	53.74 4.02 0.98	58.83 4.79 1.47	69.51 5.79 2.81	120.59 11.25 3.86	144.08 13.33 2.33	128.60 11.73 0.33	158.32 13.04 1.80	128.15 10.17 -0.03	97.76 6.87 4.68	97.80 6.64 4.27
GLOBE___DSASP 323697	123.66 -21.69 27.14	107.81 -16.71 15.31	97.91 -14.73 10.25	102.85 -15.43 8.33	110.11 -16.72 13.44	92.96 -14.92 21.58	43.38 -7.67 9.83	61.44 -10.57 6.75	38.76 -5.98 -0.18	40.26 -9.52 19.44	41.72 -15.52 48.96	38.88 -11.87 28.68	35.89 -9.29 16.91	34.66 -9.82 20.97	32.69 -7.79 10.22	28.60 -8.71 18.19	24.99 -10.73 30.81	32.58 -17.06 63.56	58.45 -20.20 54.43	52.61 -17.38 47.22	26.90 -20.39 99.78	17.53 -16.31 84.12	19.26 -12.67 63.65	35.21 -12.40 47.82
GOETHSLN___LBMP 323567	183.19 10.70 0.00	148.02 8.20 0.00	130.33 7.43 0.00	134.36 7.75 0.00	148.62 8.34 0.00	164.70 7.96 -27.28	152.96 3.91 -88.17	128.75 5.09 -44.90	61.36 2.98 -13.83	61.63 4.08 11.67	64.17 4.95 46.99	79.07 3.41 3.77	63.31 2.88 1.66	66.36 2.88 1.98	52.37 2.66 0.98	56.73 2.71 1.47	66.68 2.95 2.81	84.12 5.25 34.33	81.05 6.34 58.37	72.99 5.53 49.74	108.38 6.70 45.40	73.37 5.58 50.16	62.97 4.33 36.94	72.65 4.24 27.01
GOLAH___69_KV_TB 1_2 80279	143.28 -11.11 18.10	121.16 -8.42 10.23	108.70 -7.33 6.85	113.37 -7.67 5.57	122.97 -8.32 8.99	108.42 -7.42 13.62	53.14 -3.80 3.94	70.34 -5.24 3.18	42.35 -2.95 -0.75	49.45 -5.14 14.62	51.78 -8.82 45.61	45.15 -6.80 27.48	41.54 -5.52 15.03	40.23 -5.96 19.27	36.61 -4.67 9.42	33.40 -5.09 17.00	30.73 -5.96 29.84	43.63 -8.80 60.77	79.17 -9.84 44.07	65.79 -8.56 42.86	54.66 -10.34 82.09	31.48 -8.49 77.98	31.06 -6.70 57.81	42.80 -6.58 46.04

GOODYEAR_LAKE_HYD 323669	178.76 6.27 0.00	144.85 5.03 0.00	127.31 4.42 0.00	131.18 4.57 0.00	145.49 5.22 0.00	143.11 5.08 -8.57	102.13 2.43 -38.82	113.90 3.20 -31.93	55.43 1.87 -9.01	69.97 2.50 1.75	96.39 3.13 12.95	73.36 1.92 7.99	58.99 1.45 4.55	61.52 1.52 5.46	49.23 1.23 2.70	52.73 1.28 4.04	60.56 1.74 7.71	101.62 3.68 15.26	131.33 4.67 6.42	111.76 3.97 9.42	138.91 4.71 12.88	103.36 3.58 18.17	85.36 2.64 12.86	86.21 2.52 11.73
GOUDEY_115_KV_TB6_REV_LBMP_C 345031	153.59 -2.74 16.16	128.51 -2.19 9.12	114.91 -1.87 6.11	119.65 -2.00 4.96	130.32 -1.95 8.01	121.16 -1.71 6.59	74.86 -0.83 -14.82	84.71 -1.09 -7.04	47.62 -0.62 -3.69	58.38 -1.46 9.38	72.13 -2.84 31.23	58.32 -2.43 18.67	50.13 -1.88 10.08	50.18 -2.08 13.20	42.74 -1.53 6.43	41.57 -1.72 12.21	43.68 -1.87 20.98	67.50 -2.63 43.06	95.61 -2.86 34.61	83.38 -2.48 31.34	79.70 -3.60 63.79	58.81 -2.85 56.30	50.99 -2.42 42.17	60.60 -2.34 32.49
GOUDEY___7 23579	153.59 -2.74 16.16	128.51 -2.19 9.12	114.91 -1.87 6.11	119.65 -2.00 4.96	130.32 -1.95 8.01	121.16 -1.71 6.59	74.86 -0.83 -14.82	84.71 -1.09 -7.04	47.62 -0.62 -3.69	58.38 -1.46 9.38	72.13 -2.84 31.23	58.32 -2.43 18.67	50.13 -1.88 10.08	50.18 -2.08 13.20	42.74 -1.53 6.43	41.57 -1.72 12.21	43.68 -1.87 20.98	67.50 -2.63 43.06	95.61 -2.86 34.61	83.38 -2.48 31.34	79.70 -3.60 63.79	58.81 -2.85 56.30	50.99 -2.42 42.17	60.60 -2.34 32.49
GOUDEY___8 23580	153.59 -2.74 16.16	128.51 -2.19 9.12	114.91 -1.87 6.11	119.65 -2.00 4.96	130.32 -1.95 8.01	121.16 -1.71 6.59	74.86 -0.83 -14.82	84.71 -1.09 -7.04	47.62 -0.62 -3.69	58.38 -1.46 9.38	72.13 -2.84 31.23	58.32 -2.43 18.67	50.13 -1.88 10.08	50.18 -2.08 13.20	42.74 -1.53 6.43	41.57 -1.72 12.21	43.68 -1.87 20.98	67.50 -2.63 43.06	95.61 -2.86 34.61	83.38 -2.48 31.34	79.70 -3.60 63.79	58.81 -2.85 56.30	50.99 -2.42 42.17	60.60 -2.34 32.49
GOWANUS_GT1_1 24077	296.57 13.47 -110.61	150.30 10.47 -0.01	132.21 9.31 -0.01	136.38 9.76 -0.01	150.88 10.60 -0.01	166.77 10.02 -27.29	268.97 4.99 -203.10	176.18 6.48 -90.95	110.44 3.82 -62.06	139.47 5.38 -64.88	262.42 6.87 -149.35	308.99 4.92 -224.65	314.52 3.96 -248.47	301.50 4.11 -231.92	306.25 3.60 -251.95	310.53 3.72 -251.31	181.21 4.09 -110.59	298.33 7.04 -178.10	319.67 8.54 -178.05	326.81 7.46 -202.14	405.25 9.04 -249.12	316.23 7.42 -190.86	307.80 5.86 -206.36	105.25 5.74 -4.09
GOWANUS_GT1_2 24078	296.57 13.47 -110.61	150.30 10.47 -0.01	132.21 9.31 -0.01	136.38 9.76 -0.01	150.88 10.60 -0.01	166.77 10.02 -27.29	268.97 4.99 -203.10	176.18 6.48 -90.95	110.44 3.82 -62.06	139.47 5.38 -64.88	262.42 6.87 -149.35	308.99 4.92 -224.65	314.52 3.96 -248.47	301.50 4.11 -231.92	306.25 3.60 -251.95	310.53 3.72 -251.31	181.21 4.09 -110.59	298.33 7.04 -178.10	319.67 8.54 -178.05	326.81 7.46 -202.14	405.25 9.04 -249.12	316.23 7.42 -190.86	307.80 5.86 -206.36	105.25 5.74 -4.09
GOWANUS_GT1_3 24079	296.57 13.47 -110.61	150.30 10.47 -0.01	132.21 9.31 -0.01	136.38 9.76 -0.01	150.88 10.60 -0.01	166.77 10.02 -27.29	268.97 4.99 -203.10	176.18 6.48 -90.95	110.44 3.82 -62.06	139.47 5.38 -64.88	262.42 6.87 -149.35	308.99 4.92 -224.65	314.52 3.96 -248.47	301.50 4.11 -231.92	306.25 3.60 -251.95	310.53 3.72 -251.31	181.21 4.09 -110.59	298.33 7.04 -178.10	319.67 8.54 -178.05	326.81 7.46 -202.14	405.25 9.04 -249.12	316.23 7.42 -190.86	307.80 5.86 -206.36	105.25 5.74 -4.09
GOWANUS_GT1_4 24080	296.57 13.47 -110.61	150.30 10.47 -0.01	132.21 9.31 -0.01	136.38 9.76 -0.01	150.88 10.60 -0.01	166.77 10.02 -27.29	268.97 4.99 -203.10	176.18 6.48 -90.95	110.44 3.82 -62.06	139.47 5.38 -64.88	262.42 6.87 -149.35	308.99 4.92 -224.65	314.52 3.96 -248.47	301.50 4.11 -231.92	306.25 3.60 -251.95	310.53 3.72 -251.31	181.21 4.09 -110.59	298.33 7.04 -178.10	319.67 8.54 -178.05	326.81 7.46 -202.14	405.25 9.04 -249.12	316.23 7.42 -190.86	307.80 5.86 -206.36	105.25 5.74 -4.09
GOWANUS_GT1_5 24084	296.57 13.47 -110.61	150.30 10.47 -0.01	132.21 9.31 -0.01	136.38 9.76 -0.01	150.88 10.60 -0.01	166.77 10.02 -27.29	268.97 4.99 -203.10	176.18 6.48 -90.95	110.44 3.82 -62.06	139.47 5.38 -64.88	262.42 6.87 -149.35	308.99 4.92 -224.65	314.52 3.96 -248.47	301.50 4.11 -231.92	306.25 3.60 -251.95	310.53 3.72 -251.31	181.21 4.09 -110.59	298.33 7.04 -178.10	319.67 8.54 -178.05	326.81 7.46 -202.14	405.25 9.04 -249.12	316.23 7.42 -190.86	307.80 5.86 -206.36	105.25 5.74 -4.09
GOWANUS_GT1_6 24111	296.57 13.47 -110.61	150.30 10.47 -0.01	132.21 9.31 -0.01	136.38 9.76 -0.01	150.88 10.60 -0.01	166.77 10.02 -27.29	268.97 4.99 -203.10	176.18 6.48 -90.95	110.44 3.82 -62.06	139.47 5.38 -64.88	262.42 6.87 -149.35	308.99 4.92 -224.65	314.52 3.96 -248.47	301.50 4.11 -231.92	306.25 3.60 -251.95	310.53 3.72 -251.31	181.21 4.09 -110.59	298.33 7.04 -178.10	319.67 8.54 -178.05	326.81 7.46 -202.14	405.25 9.04 -249.12	316.23 7.42 -190.86	307.80 5.86 -206.36	105.25 5.74 -4.09
GOWANUS_GT1_7 24112	296.57 13.47 -110.61	150.30 10.47 -0.01	132.21 9.31 -0.01	136.38 9.76 -0.01	150.88 10.60 -0.01	166.77 10.02 -27.29	268.97 4.99 -203.10	176.18 6.48 -90.95	110.44 3.82 -62.06	139.47 5.38 -64.88	262.42 6.87 -149.35	308.99 4.92 -224.65	314.52 3.96 -248.47	301.50 4.11 -231.92	306.25 3.60 -251.95	310.53 3.72 -251.31	181.21 4.09 -110.59	298.33 7.04 -178.10	319.67 8.54 -178.05	326.81 7.46 -202.14	405.25 9.04 -249.12	316.23 7.42 -190.86	307.80 5.86 -206.36	105.25 5.74 -4.09
GOWANUS_GT1_8 24113	296.57 13.47 -110.61	150.30 10.47 -0.01	132.21 9.31 -0.01	136.38 9.76 -0.01	150.88 10.60 -0.01	166.77 10.02 -27.29	268.97 4.99 -203.10	176.18 6.48 -90.95	110.44 3.82 -62.06	139.47 5.38 -64.88	262.42 6.87 -149.35	308.99 4.92 -224.65	314.52 3.96 -248.47	301.50 4.11 -231.92	306.25 3.60 -251.95	310.53 3.72 -251.31	181.21 4.09 -110.59	298.33 7.04 -178.10	319.67 8.54 -178.05	326.81 7.46 -202.14	405.25 9.04 -249.12	316.23 7.42 -190.86	307.80 5.86 -206.36	105.25 5.74 -4.09
GOWANUS_GT2_1 24114	296.58 13.47 -110.61	150.35 10.52 -0.01	132.25 9.35 -0.01	136.42 9.80 -0.01	150.93 10.65 -0.01	166.83 10.08 -27.29	268.99 5.01 -203.10	176.18 6.47 -90.95	110.44 3.82 -62.06	139.48 5.39 -64.88	262.39 6.84 -149.35	308.94 4.87 -224.65	314.52 3.96 -248.47	301.45 4.07 -231.92	306.24 3.58 -251.95	310.53 3.72 -251.31	181.22 4.11 -110.59	411.38 7.04 -291.15	632.22 8.54 -490.59	722.48 7.46 -597.81	604.76 9.06 -448.62	342.80 7.39 -217.46	307.78 5.84 -206.36	105.21 5.70 -4.09
GOWANUS_GT2_2 24115	296.58 13.47 -110.61	150.35 10.52 -0.01	132.25 9.35 -0.01	136.42 9.80 -0.01	150.93 10.65 -0.01	166.83 10.08 -27.29	268.99 5.01 -203.10	176.18 6.47 -90.95	110.44 3.82 -62.06	139.48 5.39 -64.88	262.39 6.84 -149.35	308.94 4.87 -224.65	314.52 3.96 -248.47	301.45 4.07 -231.92	306.24 3.58 -251.95	310.53 3.72 -251.31	181.22 4.11 -110.59	411.38 7.04 -291.15	632.22 8.54 -490.59	722.48 7.46 -597.81	604.76 9.06 -448.62	342.80 7.39 -217.46	307.78 5.84 -206.36	105.21 5.70 -4.09
GOWANUS_GT2_3 24116	296.58 13.47 -110.61	150.35 10.52 -0.01	132.25 9.35 -0.01	136.42 9.80 -0.01	150.93 10.65 -0.01	166.83 10.08 -27.29	268.99 5.01 -203.10	176.18 6.47 -90.95	110.44 3.82 -62.06	139.48 5.39 -64.88	262.39 6.84 -149.35	308.94 4.87 -224.65	314.52 3.96 -248.47	301.45 4.07 -231.92	306.24 3.58 -251.95	310.53 3.72 -251.31	181.22 4.11 -110.59	411.38 7.04 -291.15	632.22 8.54 -490.59	722.48 7.46 -597.81	604.76 9.06 -448.62	342.80 7.39 -217.46	307.78 5.84 -206.36	105.21 5.70 -4.09

GOWANUS_GT2_4 24117	296.58 13.47 -110.61	150.35 10.52 -0.01	132.25 9.35 -0.01	136.42 9.80 -0.01	150.93 10.65 -0.01	166.83 10.08 -27.29	268.99 5.01 -203.10	176.18 6.47 -90.95	110.44 3.82 -62.06	139.48 5.39 -64.88	262.39 6.84 -149.35	308.94 4.87 -224.65	314.52 3.96 -248.47	301.45 4.07 -231.92	306.24 3.58 -251.95	310.53 3.72 -251.31	181.22 4.11 -110.59	411.38 7.04 -291.15	632.22 8.54 -490.59	722.48 7.46 -597.81	604.76 9.06 -448.62	342.80 7.39 -217.46	307.78 5.84 -206.36	105.21 5.70 -4.09
GOWANUS_GT2_5 24118	296.58 13.47 -110.61	150.35 10.52 -0.01	132.25 9.35 -0.01	136.42 9.80 -0.01	150.93 10.65 -0.01	166.83 10.08 -27.29	268.99 5.01 -203.10	176.18 6.47 -90.95	110.44 3.82 -62.06	139.48 5.39 -64.88	262.39 6.84 -149.35	308.94 4.87 -224.65	314.52 3.96 -248.47	301.45 4.07 -231.92	306.24 3.58 -251.95	310.53 3.72 -251.31	181.22 4.11 -110.59	411.38 7.04 -291.15	632.22 8.54 -490.59	722.48 7.46 -597.81	604.76 9.06 -448.62	342.80 7.39 -217.46	307.78 5.84 -206.36	105.21 5.70 -4.09
GOWANUS_GT2_6 24119	296.58 13.47 -110.61	150.35 10.52 -0.01	132.25 9.35 -0.01	136.42 9.80 -0.01	150.93 10.65 -0.01	166.83 10.08 -27.29	268.99 5.01 -203.10	176.18 6.47 -90.95	110.44 3.82 -62.06	139.48 5.39 -64.88	262.39 6.84 -149.35	308.94 4.87 -224.65	314.52 3.96 -248.47	301.45 4.07 -231.92	306.24 3.58 -251.95	310.53 3.72 -251.31	181.22 4.11 -110.59	411.38 7.04 -291.15	632.22 8.54 -490.59	722.48 7.46 -597.81	604.76 9.06 -448.62	342.80 7.39 -217.46	307.78 5.84 -206.36	105.21 5.70 -4.09
GOWANUS_GT2_7 24120	296.58 13.47 -110.61	150.35 10.52 -0.01	132.25 9.35 -0.01	136.42 9.80 -0.01	150.93 10.65 -0.01	166.83 10.08 -27.29	268.99 5.01 -203.10	176.18 6.47 -90.95	110.44 3.82 -62.06	139.48 5.39 -64.88	262.39 6.84 -149.35	308.94 4.87 -224.65	314.52 3.96 -248.47	301.45 4.07 -231.92	306.24 3.58 -251.95	310.53 3.72 -251.31	181.22 4.11 -110.59	411.38 7.04 -291.15	632.22 8.54 -490.59	722.48 7.46 -597.81	604.76 9.06 -448.62	342.80 7.39 -217.46	307.78 5.84 -206.36	105.21 5.70 -4.09
GOWANUS_GT2_8 24121	296.58 13.47 -110.61	150.35 10.52 -0.01	132.25 9.35 -0.01	136.42 9.80 -0.01	150.93 10.65 -0.01	166.83 10.08 -27.29	268.99 5.01 -203.10	176.18 6.47 -90.95	110.44 3.82 -62.06	139.48 5.39 -64.88	262.39 6.84 -149.35	308.94 4.87 -224.65	314.52 3.96 -248.47	301.45 4.07 -231.92	306.24 3.58 -251.95	310.53 3.72 -251.31	181.22 4.11 -110.59	411.38 7.04 -291.15	632.22 8.54 -490.59	722.48 7.46 -597.81	604.76 9.06 -448.62	342.80 7.39 -217.46	307.78 5.84 -206.36	105.21 5.70 -4.09
GOWANUS_GT3_1 24122	296.58 13.47 -110.61	150.30 10.47 -0.01	132.21 9.31 -0.01	136.38 9.76 -0.01	150.88 10.60 -0.01	166.76 10.01 -27.29	268.97 4.99 -203.10	176.17 6.46 -90.95	110.43 3.82 -62.06	139.48 5.39 -64.88	262.36 6.81 -149.35	308.94 4.86 -224.65	314.52 3.96 -248.47	301.45 4.07 -231.92	306.24 3.58 -251.95	310.53 3.72 -251.31	181.22 4.11 -110.59	298.33 7.04 -178.10	319.68 8.54 -178.05	326.81 7.46 -202.14	405.27 9.06 -249.12	316.20 7.39 -190.86	307.78 5.84 -206.36	105.21 5.70 -4.09
GOWANUS_GT3_2 24123	296.58 13.47 -110.61	150.30 10.47 -0.01	132.21 9.31 -0.01	136.38 9.76 -0.01	150.88 10.60 -0.01	166.76 10.01 -27.29	268.97 4.99 -203.10	176.17 6.46 -90.95	110.43 3.82 -62.06	139.48 5.39 -64.88														

GOWANUS_GT4_3 24132	296.57 13.47 -110.61	150.35 10.52 -0.01	132.25 9.35 -0.01	136.42 9.80 -0.01	150.94 10.66 -0.01	166.84 10.09 -27.29	268.99 5.01 -203.10	176.20 6.49 -90.95	110.45 3.83 -62.06	139.48 5.39 -64.88	262.44 6.89 -149.35	308.99 4.92 -224.65	314.52 3.96 -248.47	301.50 4.11 -231.92	306.25 3.60 -251.95	310.53 3.72 -251.31	181.21 4.09 -110.59	411.38 7.04 -291.15	632.22 8.54 -490.59	722.48 7.46 -597.81	604.74 9.04 -448.62	342.83 7.42 -217.46	307.80 5.86 -206.36	105.25 5.74 -4.09
GOWANUS_GT4_4 24133	296.57 13.47 -110.61	150.35 10.52 -0.01	132.25 9.35 -0.01	136.42 9.80 -0.01	150.94 10.66 -0.01	166.84 10.09 -27.29	268.99 5.01 -203.10	176.20 6.49 -90.95	110.45 3.83 -62.06	139.48 5.39 -64.88	262.44 6.89 -149.35	308.99 4.92 -224.65	314.52 3.96 -248.47	301.50 4.11 -231.92	306.25 3.60 -251.95	310.53 3.72 -251.31	181.21 4.09 -110.59	411.38 7.04 -291.15	632.22 8.54 -490.59	722.48 7.46 -597.81	604.74 9.04 -448.62	342.83 7.42 -217.46	307.80 5.86 -206.36	105.25 5.74 -4.09
GOWANUS_GT4_5 24134	296.57 13.47 -110.61	150.35 10.52 -0.01	132.25 9.35 -0.01	136.42 9.80 -0.01	150.94 10.66 -0.01	166.84 10.09 -27.29	268.99 5.01 -203.10	176.20 6.49 -90.95	110.45 3.83 -62.06	139.48 5.39 -64.88	262.44 6.89 -149.35	308.99 4.92 -224.65	314.52 3.96 -248.47	301.50 4.11 -231.92	306.25 3.60 -251.95	310.53 3.72 -251.31	181.21 4.09 -110.59	411.38 7.04 -291.15	632.22 8.54 -490.59	722.48 7.46 -597.81	604.74 9.04 -448.62	342.83 7.42 -217.46	307.80 5.86 -206.36	105.25 5.74 -4.09
GOWANUS_GT4_6 24135	296.57 13.47 -110.61	150.35 10.52 -0.01	132.25 9.35 -0.01	136.42 9.80 -0.01	150.94 10.66 -0.01	166.84 10.09 -27.29	268.99 5.01 -203.10	176.20 6.49 -90.95	110.45 3.83 -62.06	139.48 5.39 -64.88	262.44 6.89 -149.35	308.99 4.92 -224.65	314.52 3.96 -248.47	301.50 4.11 -231.92	306.25 3.60 -251.95	310.53 3.72 -251.31	181.21 4.09 -110.59	411.38 7.04 -291.15	632.22 8.54 -490.59	722.48 7.46 -597.81	604.74 9.04 -448.62	342.83 7.42 -217.46	307.80 5.86 -206.36	105.25 5.74 -4.09
GOWANUS_GT4_7 24136	296.57 13.47 -110.61	150.35 10.52 -0.01	132.25 9.35 -0.01	136.42 9.80 -0.01	150.94 10.66 -0.01	166.84 10.09 -27.29	268.99 5.01 -203.10	176.20 6.49 -90.95	110.45 3.83 -62.06	139.48 5.39 -64.88	262.44 6.89 -149.35	308.99 4.92 -224.65	314.52 3.96 -248.47	301.50 4.11 -231.92	306.25 3.60 -251.95	310.53 3.72 -251.31	181.21 4.09 -110.59	411.38 7.04 -291.15	632.22 8.54 -490.59	722.48 7.46 -597.81	604.74 9.04 -448.62	342.83 7.42 -217.46	307.80 5.86 -206.36	105.25 5.74 -4.09
GOWANUS_GT4_8 24137	296.57 13.47 -110.61	150.35 10.52 -0.01	132.25 9.35 -0.01	136.42 9.80 -0.01	150.94 10.66 -0.01	166.84 10.09 -27.29	268.99 5.01 -203.10	176.20 6.49 -90.95	110.45 3.83 -62.06	139.48 5.39 -64.88	262.44 6.89 -149.35	308.99 4.92 -224.65	314.52 3.96 -248.47	301.50 4.11 -231.92	306.25 3.60 -251.95	310.53 3.72 -251.31	181.21 4.09 -110.59	411.38 7.04 -291.15	632.22 8.54 -490.59	722.48 7.46 -597.81	604.74 9.04 -448.62	342.83 7.42 -217.46	307.80 5.86 -206.36	105.25 5.74 -4.09
GREENBSH_115KV_TB3 55895	179.66 7.17 0.00	145.81 5.99 0.00	128.36 5.47 0.00	132.26 5.65 0.00	146.57 6.30 0.00	168.43 5.67 -33.30	184.19 2.56 -120.76	158.40 3.26 -76.38	68.82 1.86 -22.41	71.45 2.71 0.47	105.74 3.01 3.48	79.67 2.40 2.15	62.76 1.89 1.22	65.97 1.98 1.47	51.59 1.62 0.73	55.89 1.48 1.09	66.26 1.81 2.07	112.04 2.95 4.10	135.15 3.79 1.73	118.39 3.72 2.53	145.93 3.93 5.09	116.70 3.63 4.88	95.20 3.08 3.46	95.72 3.45 3.15
GREENIDGE_115KV_TB5 80291	74.69 -9.04 88.75	82.54 -7.19 50.09	83.02 -6.32 33.55	92.67 -6.70 27.25	88.98 -7.31 43.98	43.30 -5.92 80.25	-4.81 -2.25 63.42	38.18 -2.77 37.80	40.15 -1.67 2.74	17.39 -3.43 48.39	55.56 -6.58 44.07	49.17 -5.36 24.89	49.45 -4.27 8.37	42.35 -4.77 18.34	38.62 -3.64 8.44	22.19 -3.75 29.56	19.16 -3.69 43.68	13.34 -4.92 94.94	-3.00 -5.53 130.55	27.74 -4.71 84.76	-88.74 -5.89 229.93	-27.87 -5.25 140.57	-20.73 -4.45 111.86	21.19 -4.64 69.60
GREENIDGE___3 23582	74.69 -9.04 88.75	82.54 -7.19 50.09	83.02 -6.32 33.55	92.67 -6.70 27.25	88.98 -7.31 43.98	43.30 -5.92 80.25	-4.81 -2.25 63.42	38.18 -2.77 37.80	40.15 -1.67 2.74	17.39 -3.43 48.39	55.56 -6.58 44.07	49.17 -5.36 24.89	49.45 -4.27 8.37	42.35 -4.77 18.34	38.62 -3.64 8.44	22.19 -3.75 29.56	19.16 -3.69 43.68	13.34 -4.92 94.94	-3.00 -5.53 130.55	27.74 -4.71 84.76	-88.74 -5.89 229.93	-27.87 -5.25 140.57	-20.73 -4.45 111.86	21.19 -4.64 69.60
GREENIDGE___4 23583	74.59 -9.14 88.75	82.50 -7.23 50.09	83.04 -6.30 33.55	92.64 -6.72 27.25	88.95 -7.35 43.98	43.21 -6.00 80.25	-4.84 -2.29 63.42	38.14 -2.81 37.80	40.14 -1.68 2.74	17.34 -3.49 48.39	55.59 -6.55 44.07	49.22 -5.31 24.89	49.47 -4.25 8.37	42.37 -4.75 18.34	38.63 -3.63 8.44	22.17 -3.77 29.56	19.12 -3.73 43.68	13.34 -4.91 94.94	-3.06 -5.59 130.55	27.70 -4.75 84.76	-89.00 -6.15 229.93	-28.01 -5.39 140.57	-20.86 -4.58 111.86	21.20 -4.63 69.60
GREENLWN_69_KV_BK 3 55738	185.19 12.70 0.00	150.40 10.58 0.00	132.35 9.46 0.00	136.62 10.00 0.00	151.10 10.83 0.00	167.11 10.38 -27.27	154.12 5.10 -88.15	130.09 6.44 -44.89	61.99 3.61 -13.82	73.61 5.03 0.63	108.13 6.64 4.71	81.17 4.65 2.91	64.03 3.60 1.66	67.16 3.69 1.98	52.96 3.24 0.98	57.43 3.41 1.47	67.68 3.95 2.81	116.91 7.57 3.86	139.94 9.19 2.33	125.12 8.24 0.33	155.30 10.02 1.80	126.23 8.25 -0.03	97.11 6.21 4.68	97.28 6.12 4.27
GREENWD_138_KV_38B11_REV_LBMP_J 345004	296.57 13.47 -110.61	150.35 10.52 -0.01	132.25 9.35 -0.01	136.42 9.80 -0.01	150.94 10.66 -0.01	166.84 10.09 -27.29	268.99 5.01 -203.10	176.20 6.49 -90.95	110.45 3.83 -62.06	139.48 5.39 -64.88	262.44 6.89 -149.35	308.99 4.92 -224.65	314.52 3.96 -248.47	301.50 4.11 -231.92	306.25 3.60 -251.95	310.53 3.72 -251.31	181.21 4.09 -110.59	298.33 7.04 -178.10	319.67 8.54 -178.05	326.81 7.46 -202.14	405.25 9.04 -249.12	316.23 7.42 -190.86	307.80 5.86 -206.36	105.25 5.74 -4.09
GRISSOM___SOLAR 323813	183.92 11.43 0.00	148.94 9.12 0.00	130.91 8.02 0.00	134.82 8.21 0.00	149.39 9.12 0.00	174.79 8.54 -36.79	210.00 4.06 -145.06	187.63 5.20 -103.67	76.78 2.60 -29.63	71.59 2.99 0.61	103.95 2.25 4.50	78.43 1.79 2.78	62.02 1.51 1.58	64.57 1.01 1.89	50.46 0.69 0.94	55.09 1.00 1.41	66.52 2.67 2.68	115.08 7.19 5.30	139.85 9.00 2.23	121.69 7.76 3.27	152.49 9.65 4.24	119.06 7.43 6.31	96.87 5.76 4.47	96.86 5.51 4.08
GROVEVILLE___HYD 323602	185.61 13.12 0.00	149.99 10.18 0.00	131.94 9.05 0.00	135.94 9.33 0.00	150.54 10.27 0.00	166.63 9.80 -27.36	154.16 4.78 -88.51	130.07 6.16 -45.15	61.92 3.47 -13.90	73.41 4.83 0.63	107.64 6.14 4.70	80.74 4.22 2.90	63.83 3.39 1.65	66.98 3.50 1.98	52.75 3.02 0.98	57.28 3.25 1.47	67.61 3.88 2.80	114.75 7.08 5.53	139.37 8.62 2.33	121.42 7.63 3.42	151.63 9.25 4.70	118.84 7.48 6.59	96.78 5.86 4.66	96.88 5.71 4.25
GRS_LOCK_115KV_LINE_2_SOLVAY 80269	169.09 -3.39 0.00	137.15 -2.67 0.00	120.55 -2.34 0.00	124.06 -2.56 0.00	137.63 -2.64 0.00	130.60 -2.24 -3.37	70.75 -1.07 -10.94	82.79 -1.51 -5.54	45.41 -0.87 -1.73	61.74 -1.72 5.75	60.57 -3.02 42.61	50.65 -2.48 26.29	45.09 -2.03 14.98	45.34 -2.17 17.95	40.17 -1.64 8.90	40.50 -1.70 13.30	39.37 -1.79 25.38	60.39 -2.60 50.20	109.17 -2.79 21.12	83.75 -2.47 30.99	101.03 -3.42 42.63	55.30 -2.87 59.78	50.78 -2.48 42.31	54.25 -2.58 38.60

HAMLTNNY_34_KV_TB 80303	168.40 -4.09 0.00	136.59 -3.23 0.00	120.09 -2.80 0.00	123.61 -3.00 0.00	137.03 -3.24 0.00	130.25 -2.76 -3.54	71.09 -1.27 -11.48	82.81 -1.77 -5.82	45.33 -1.04 -1.81	61.36 -2.03 5.83	59.54 -3.46 43.21	49.96 -2.81 26.66	44.59 -2.32 15.19	44.76 -2.50 18.20	39.80 -1.89 9.02	40.08 -1.94 13.49	38.76 -2.04 25.73	59.15 -3.14 50.90	108.26 -3.41 21.41	82.78 -3.00 31.42	99.85 -4.01 43.22	54.01 -3.32 60.62	49.85 -2.82 42.91	53.41 -2.87 39.14
HAMPSHIRE___PAPER_HYD 323593	175.82 3.33 0.00	143.02 3.20 0.00	125.23 2.34 0.00	128.78 2.17 0.00	142.97 2.70 0.00	131.97 1.61 -0.89	63.78 0.33 -2.57	79.81 0.05 -0.99	44.76 -0.12 -0.32	67.65 0.07 1.64	95.76 1.68 12.13	73.55 1.61 7.48	58.95 1.12 4.26	61.89 1.54 5.11	48.90 0.73 2.53	52.63 0.92 3.78	60.10 0.80 7.22	101.32 2.41 14.29	130.34 3.26 6.01	110.78 2.39 8.81	137.26 2.31 12.13	102.54 1.61 17.01	84.12 0.59 12.04	84.88 0.43 10.98
HARDSCRABBLE_WT_PWR 323673	179.90 7.41 0.00	145.44 5.62 0.00	127.91 5.02 0.00	131.64 5.03 0.00	146.15 5.87 0.00	135.26 5.79 0.00	63.77 2.90 0.00	82.50 3.74 0.00	46.60 2.05 0.00	71.22 2.53 0.53	104.30 1.99 3.90	78.09 1.07 2.40	61.49 0.77 1.37	64.39 0.57 1.64	50.55 0.66 0.81	54.97 0.69 1.22	65.75 1.55 2.32	112.29 3.69 4.59	136.01 4.86 1.93	118.88 4.51 2.83	148.21 5.03 3.90	116.65 4.16 5.46	94.94 3.23 3.87	95.19 3.30 3.53
HARRIMAN_69_KV_BK771_REV_LBMP_G 345025	183.68 11.20 0.00	148.45 8.64 0.00	130.64 7.75 0.00	134.60 7.99 0.00	149.02 8.75 0.00	163.47 8.37 -25.65	147.84 4.07 -82.89	126.18 5.22 -42.20	60.49 2.95 -13.00	72.59 4.04 0.67	106.19 4.99 5.00	79.73 3.39 3.09	63.07 2.73 1.76	66.18 2.83 2.11	52.16 2.50 1.04	56.61 2.68 1.56	66.70 3.15 2.98	113.08 5.77 5.89	137.65 7.04 2.48	119.78 6.21 3.64	149.65 7.57 5.00	117.11 6.17 7.02	95.43 4.82 4.97	95.57 4.68 4.53
HARSNRAD_115KV_TB1 81005	127.14 -18.98 26.37	110.30 -14.47 15.04	100.19 -12.63 10.07	105.24 -13.19 8.18	112.64 -14.42 13.20	95.31 -12.98 21.18	44.69 -6.71 9.47	62.95 -9.38 6.43	39.53 -5.23 -0.20	41.71 -8.46 19.04	43.15 -14.05 49.00	39.90 -10.77 28.75	36.62 -8.50 16.97	35.40 -9.04 21.01	33.26 -7.20 10.25	29.46 -7.95 18.08	26.10 -9.70 30.73	34.55 -15.33 63.32	61.65 -17.66 53.77	54.99 -15.25 46.96	30.68 -18.08 98.32	19.81 -14.57 83.57	21.05 -11.26 63.27	36.61 -11.05 47.77
HARZA MOOSE___RIVER 24016	178.25 5.76 0.00	145.07 5.25 0.00	127.13 4.24 0.00	130.68 4.06 0.00	145.60 5.33 0.00	135.14 4.59 -1.09	65.91 1.89 -3.15	82.02 2.05 -1.22	45.98 1.03 -0.39	68.95 1.63 1.90	95.21 3.06 14.05	72.32 1.57 8.67	58.09 0.94 4.94	60.90 1.36 5.92	48.50 0.73 2.94	51.95 0.84 4.39	59.38 1.23 8.37	100.43 3.79 16.55	131.31 5.19 6.96	111.06 4.07 10.22	136.76 3.74 14.06	100.76 2.52 19.71	82.81 1.18 13.95	83.54 0.84 12.73
HDSNBRDG_115KV_BRDG_TB1 355580	166.91 -5.58 0.00	135.38 -4.44 0.00	119.03 -3.86 0.00	122.52 -4.09 0.00	135.93 -4.34 0.00	128.71 -3.85 -3.09	67.96 -1.83 -8.91	79.74 -2.47 -3.45	44.28 -1.39 -1.12	61.14 -2.51 5.57	60.64 -4.27 41.30	50.56 -3.38 25.48	44.89 -2.68 14.51	45.19 -2.87 17.39	39.92 -2.16 8.62	40.28 -2.33 12.89	39.29 -2.65 24.59	60.46 -4.08 48.66	108.00 -4.62 20.46	83.10 -4.08 30.03	100.46 -5.31 41.31	55.65 -4.36 57.94	50.94 -3.62 41.01	54.33 -3.68 37.41
HELLGATE_13_KV_LD 55870	185.15 12.65 0.00	149.68 9.87 0.00	131.71 8.81 -0.01	135.85 9.23 -0.01	150.21 9.93 -0.01	166.20 9.45 -27.29	153.71 4.65 -88.18	129.67 6.01 -44.90	69.73 3.53 -21.65	84.80 4.95 -10.64	107.75 6.26 4.71	85.56 4.43 -1.71	89.16 3.61 -23.46	90.34 3.67 -21.21	88.58 3.25 -34.62	86.16 3.33 -27.33	67.34 3.62 2.80	115.45 6.31 4.05	142.55 7.65 -1.82	125.71 6.67 -1.83	153.05 8.03 2.06	118.33 6.63 6.25	96.10 5.21 4.68	96.23 5.07 4.27
HELLGT_W_13_KV_BRUCKNER_REV_LBMP_J 345018	185.15 12.65 0.00	149.68 9.87 0.00	131.71 8.81 -0.01	135.85 9.23 -0.01	150.21 9.93 -0.01	166.20 9.45 -27.29	153.71 4.65 -88.18	129.67 6.01 -44.90	69.73 3.53 -21.65	84.80 4.95 -10.64	107.75 6.26 4.71	85.56 4.43 -1.71	89.16 3.61 -23.46	90.34 3.67 -21.21	88.58 3.25 -34.62	86.16 3.33 -27.33	67.34 3.62 2.80	115.45 6.31 4.05	142.55 7.65 -1.82	125.71 6.67 -1.83	153.05 8.03 2.06	118.33 6.63 6.25	96.10 5.21 4.68	96.23 5.07 4.27
HEMPSTEAD____ 23647	186.08 13.59 0.00	150.86 11.04 0.00	132.66 9.77 0.00	136.80 10.18 0.00	151.30 11.03 0.00	167.30 10.57 -27.27	154.21 5.18 -88.15	130.16 6.52 -44.89	62.03 3.65 -13.82	73.68 5.10 0.63	107.95 6.46 4.71	81.19 4.67 2.91	64.09 3.65 1.66	67.23 3.75 1.98	53.01 3.29 0.98	57.48 3.45 1.47	67.77 4.04 2.81	116.89 7.55 3.86	139.93 9.18 2.33	125.06 8.19 0.33	155.23 9.95 1.80	126.09 8.10 -0.03	97.04 6.15 4.68	97.19 6.03 4.27
HEWLETT_69_KV_BK3 55828	187.53 15.04 0.00	151.93 12.12 0.00	133.58 10.69 0.00	137.76 11.15 0.00	152.37 12.10 0.00	168.30 11.57 -27.27	154.63 5.60 -88.15	130.65 7.01 -44.89	62.31 3.93 -13.82	74.10 5.52 0.63	108.74 7.24 4.71	81.73 5.21 2.91	64.51 4.07 1.66	67.69 4.21 1.98	53.35 3.63 0.98	57.87 3.84 1.47	68.30 4.58 2.81	117.65 8.32 3.86	140.83 10.08 2.33	125.85 8.98 0.33	156.30 11.02 1.80	127.06 9.07 -0.03	97.84 6.94 4.68	97.95 6.79 4.27
HICKLING___1 23621	82.09 -8.30 82.10	86.90 -6.58 46.34	86.35 -5.50 31.04	95.70 -5.70 25.21	93.39 -6.20 40.68	51.38 -5.72 72.37	5.56 -2.79 52.53	43.49 -3.52 31.75	40.59 -2.07 1.90	20.26 -4.00 44.96	54.82 -7.10 44.29	49.14 -5.68 24.60	47.37 -4.38 10.35	41.81 -4.90 18.75	38.28 -3.70 8.72	24.50 -3.95 27.05	22.55 -4.15 39.83	20.30 -6.21 86.69	5.73 -7.06 120.29	33.32 -6.18 77.70	-73.02 -8.25 211.84	-17.64 -6.90 128.70	-12.98 -5.79 102.77	26.14 -5.78 63.51
HICKLING___2 23622	82.09 -8.30 82.10	86.90 -6.58 46.34	86.35 -5.50 31.04	95.70 -5.70 25.21	93.39 -6.20 40.68	51.38 -5.72 72.37	5.56 -2.79 52.53	43.49 -3.52 31.75	40.59 -2.07 1.90	20.26 -4.00 44.96	54.82 -7.10 44.29	49.14 -5.68 24.60	47.37 -4.38 10.35	41.81 -4.90 18.75	38.28 -3.70 8.72	24.50 -3.95 27.05	22.55 -4.15 39.83	20.30 -6.21 86.69	5.73 -7.06 120.29	33.32 -6.18 77.70	-73.02 -8.25 211.84	-17.64 -6.90 128.70	-12.98 -5.79 102.77	26.14 -5.78 63.51
HIGH FALLS___HY 23754	185.70 13.21 0.00	149.92 10.11 0.00	131.82 8.93 0.00	135.86 9.25 0.00	150.43 10.16 0.00	166.52 9.79 -27.26	155.11 4.82 -89.41	132.02 6.26 -47.01	62.39 3.47 -14.37	73.19 4.61 0.63	107.03 5.53 4.70	80.10 3.58 2.90	63.27 2.83 1.65	66.36 2.88 1.98	52.27 2.55 0.98	56.89 2.85 1.47	67.31 3.59 2.80	114.70 7.04 5.54	139.50 8.75 2.33	121.48 7.69 3.42	151.67 9.41 4.83	118.88 7.52 6.59	96.71 5.80 4.67	96.69 5.53 4.26
HIGH_RIVER___SOLAR 323847	181.15 8.66 0.00	146.69 6.88 0.00	128.98 6.09 0.00	132.88 6.27 0.00	147.25 6.98 0.00	171.63 6.60 -35.57	207.58 3.15 -143.56	188.38 4.05 -105.57	76.76 2.18 -30.03	71.52 2.82 0.51	105.36 2.97 3.82	78.85 1.78 2.36	61.99 1.23 1.34	65.03 1.18 1.61	50.90 0.99 0.80	55.55 1.24 1.19	66.50 2.24 2.27	113.98 5.28 4.50	137.71 6.52 1.89	120.13 5.69 2.78	150.53 6.99 3.54	118.02 5.42 5.35	96.05 4.26 3.79	96.15 4.19 3.46

HILLBURN___GT 23639	183.24 10.76 0.00	148.04 8.23 0.00	130.28 7.38 0.00	134.26 7.65 0.00	148.62 8.34 0.00	163.43 7.97 -25.99	148.79 3.89 -84.02	126.54 5.00 -42.77	60.58 2.85 -13.17	72.48 3.94 0.67	106.03 4.76 4.94	79.61 3.23 3.05	62.98 2.62 1.73	66.07 2.69 2.08	52.10 2.43 1.03	56.52 2.57 1.54	66.54 2.95 2.94	112.69 5.32 5.82	137.12 6.49 2.45	119.31 5.69 3.59	149.10 6.97 4.94	116.73 5.71 6.93	95.13 4.46 4.90	95.30 4.35 4.47
HILLSIDE_115KV_TB1 80332	86.09 -9.25 77.14	88.89 -7.39 43.54	87.41 -6.32 29.16	96.28 -6.65 23.68	94.92 -7.13 38.23	55.61 -6.55 67.31	10.64 -3.12 47.11	46.17 -3.94 28.65	40.88 -2.24 1.43	22.73 -4.19 42.29	56.04 -7.08 43.08	49.78 -5.63 24.01	47.48 -4.34 10.27	42.38 -4.83 18.25	38.56 -3.64 8.50	25.66 -4.00 25.84	23.87 -4.41 38.25	23.25 -6.87 83.08	11.48 -7.89 113.71	36.32 -6.87 74.01	-62.73 -9.37 200.44	-12.34 -7.43 122.86	-8.58 -6.22 97.94	28.43 -6.08 60.92
HISHELDN_WT_PWR 323625	117.11 -16.92 38.45	105.22 -12.87 21.72	97.56 -10.78 14.55	103.60 -11.20 11.82	108.49 -12.71 19.07	85.81 -11.71 31.95	36.58 -6.10 18.20	58.88 -8.31 11.57	38.82 -4.69 1.05	34.98 -7.74 26.50	34.62 -13.01 58.58	36.55 -9.96 32.91	31.66 -7.82 22.61	31.32 -8.41 25.72	31.54 -6.61 12.55	28.42 -7.18 19.89	25.62 -8.46 32.44	32.32 -13.00 67.88	50.52 -14.72 67.84	51.03 -12.93 53.25	8.59 -15.74 122.75	11.97 -13.19 92.79	12.92 -10.69 71.97	34.00 -10.69 50.73
HOLTSVILLE_IC_1 23690	186.66 14.17 0.00	151.84 12.02 0.00	133.51 10.62 0.00	137.79 11.17 0.00	152.35 12.08 0.00	168.35 11.62 -27.27	154.92 5.89 -88.15	131.03 7.39 -44.89	62.43 4.06 -13.82	74.21 5.63 0.63	108.96 7.47 4.71	81.70 5.19 2.91	64.41 3.97 1.66	67.53 4.06 1.98	53.30 3.58 0.98	57.94 3.91 1.47	68.41 4.68 2.81	118.43 9.09 3.86	141.63 10.88 2.33	126.72 9.84 0.33	157.17 11.88 1.80	127.55 9.56 -0.03	98.04 7.14 4.68	98.21 7.05 4.27
HOLTSVILLE_IC_10 23699	187.64 15.15 0.00	152.64 12.82 0.00	134.22 11.33 0.00	138.52 11.90 0.00	153.13 12.86 0.00	169.10 12.37 -27.27	155.31 6.28 -88.15	131.53 7.88 -44.89	62.68 4.30 -13.82	74.58 6.00 0.63	109.48 7.98 4.71	82.06 5.54 2.91	64.66 4.23 1.66	67.79 4.32 1.98	53.51 3.79 0.98	58.22 4.20 1.47	68.81 5.09 2.81	119.24 9.90 3.86	142.57 11.82 2.33	127.56 10.69 0.33	158.19 12.91 1.80	128.33 10.35 -0.03	98.65 7.75 4.68	98.78 7.62 4.27
HOLTSVILLE_IC_2 23691	186.66 14.17 0.00	151.84 12.02 0.00	133.51 10.62 0.00	137.79 11.17 0.00	152.35 12.08 0.00	168.35 11.62 -27.27	154.92 5.89 -88.15	131.03 7.39 -44.89	62.43 4.06 -13.82	74.21 5.63 0.63	108.96 7.47 4.71	81.70 5.19 2.91	64.41 3.97 1.66	67.53 4.06 1.98	53.30 3.58 0.98	57.94 3.91 1.47	68.41 4.68 2.81	118.43 9.09 3.86	141.63 10.88 2.33	126.72 9.84 0.33	157.17 11.88 1.80	127.55 9.56 -0.03	98.04 7.14 4.68	98.21 7.05 4.27
HOLTSVILLE_IC_3 23692	186.66 14.17 0.00	151.84 12.02 0.00	133.51 10.62 0.00	137.79 11.17 0.00	152.35 12.08 0.00	168.35 11.62 -27.27	154.92 5.89 -88.15	131.03 7.39 -44.89	62.43 4.06 -13.82	74.21 5.63 0.63	108.96 7.47 4.71	81.70 5.19 2.91	64.41 3.97 1.66	67.53 4.06 1.98	53.30 3.58 0.98	57.94 3.91 1.47	68.41 4.68 2.81	118.43 9.09 3.86	141.63 10.88 2.33	126.72 9.84 0.33	157.17 11.88 1.80	127.55 9.56 -0.03	98.04 7.14 4.68	98.21 7.05 4.27
HOLTSVILLE_IC_4 23693	186.66 14.17 0.00	151.84 12.02 0.00	133.51 10.62 0.00	137.79 11.17 0.00	152.35 12.08 0.00	168.35 11.62 -27.27	154.92 5.89 -88.15	131.03 7.39 -44.89	62.43 4.06 -13.82	74.21 5.63 0.63	108.96 7.47 4.71	81.70 5.19 2.91	64.41 3.97 1.66	67.53 4.06 1.98	53.30 3.58 0.98	57.94 3.91 1.47	68.41 4.68 2.81	118.43 9.09 3.86	141.63 10.88 2.33	126.72 9.84 0.33	157.17 11.88 1.80	127.55 9.56 -0.03	98.04 7.14 4.68	98.21 7.05 4.27
HOLTSVILLE_IC_5 23694	186.66 14.17 0.00	151.84 12.02 0.00	133.51 10.62 0.00	137.79 11.17 0.00	152.35 12.08 0.00	168.35 11.62 -27.27	154.92 5.89 -88.15	131.03 7.39 -44.89	62.43 4.06 -13.82	74.21 5.63 0.63	108.96 7.47 4.71	81.70 5.19 2.91	64.41 3.97 1.66	67.53 4.06 1.98	53.30 3.58 0.98	57.94 3.91 1.47	68.41 4.68 2.81	118.43 9.09 3.86	141.63 10.88 2.33	126.72 9.84 0.33	157.17 11.88 1.80	127.55 9.56 -0.03	98.04 7.14 4.68	98.21 7.05 4.27
HOLTSVILLE_IC_6 23695	187.64 15.15 0.00	152.64 12.82 0.00	134.22 11.33 0.00	138.52 11.90 0.00	153.13 12.86 0.00	169.10 12.37 -27.27	155.31 6.28 -88.15	131.53 7.88 -44.89	62.68 4.30 -13.82	74.58 6.00 0.63	109.48 7.98 4.71	82.06 5.54 2.91	64.66 4.23 1.66	67.79 4.32 1.98	53.51 3.79 0.98	58.22 4.20 1.47	68.81 5.09 2.81	119.24 9.90 3.86	142.57 11.82 2.33	127.56 10.69 0.33	158.19 12.91 1.80	128.33 10.35 -0.03	98.65 7.75 4.68	98.78 7.62 4.27
HOLTSVILLE_IC_7 23696	187.64 15.15 0.00	152.64 12.82 0.00	134.22 11.33 0.00	138.52 11.90 0.00	153.13 12.86 0.00	169.10 12.37 -27.27	155.31 6.28 -88.15	131.53 7.88 -44.89	62.68 4.30 -13.82	74.58 6.00 0.63	109.48 7.98 4.71	82.06 5.54 2.91	64.66 4.23 1.66	67.79 4.32 1.98	53.51 3.79 0.98	58.22 4.20 1.47	68.81 5.09 2.81	119.24 9.90 3.86	142.57 11.82 2.33	127.56 10.69 0.33	158.19 12.91 1.80	128.33 10.35 -0.03	98.65 7.75 4.68	98.78 7.62 4.27
HOLTSVILLE_IC_8 23697	187.64 15.15 0.00	152.64 12.82 0.00	134.22 11.33 0.00	138.52 11.90 0.00	153.13 12.86 0.00	169.10 12.37 -27.27	155.31 6.28 -88.15	131.53 7.88 -44.89	62.68 4.30 -13.82	74.58 6.00 0.63	109.48 7.98 4.71	82.06 5.54 2.91	64.66 4.23 1.66	67.79 4.32 1.98	53.51 3.79 0.98	58.22 4.20 1.47	68.81 5.09 2.81	119.24 9.90 3.86	142.57 11.82 2.33	127.56 10.69 0.33	158.19 12.91 1.80	128.33 10.35 -0.03	98.65 7.75 4.68	98.78 7.62 4.27
HOLTSVILLE_IC_9 23698	187.64 15.15 0.00	152.64 12.82 0.00	134.22 11.33 0.00	138.52 11.90 0.00	153.13 12.86 0.00	169.10 12.37 -27.27	155.31 6.28 -88.15	131.53 7.88 -44.89	62.68 4.30 -13.82	74.58 6.00 0.63	109.48 7.98 4.71	82.06 5.54 2.91	64.66 4.23 1.66	67.79 4.32 1.98	53.51 3.79 0.98	58.22 4.20 1.47	68.81 5.09 2.81	119.24 9.90 3.86	142.57 11.82 2.33	127.56 10.69 0.33	158.19 12.91 1.80	128.33 10.35 -0.03	98.65 7.75 4.68	98.78 7.62 4.27
HOMER_HL_115KV_TB2 355744	124.87 -7.82 39.79	111.00 -6.31 22.50	102.14 -5.69 15.07	108.70 -5.67 12.24	114.58 -5.94 19.75	90.61 -5.80 33.06	38.54 -3.60 18.73	62.00 -4.86 11.90	41.75 -2.77 0.03	39.86 -4.54 24.82	52.61 -7.85 45.74	46.93 -5.89 26.60	43.21 -4.64 14.24	41.07 -4.92 19.48	37.44 -3.88 9.38	31.39 -4.13 19.98	28.83 -5.29 32.41	36.32 -8.93 67.94	54.08 -9.75 69.26	54.97 -8.54 53.69	11.92 -10.41 124.75	16.21 -8.49 93.24	17.44 -6.32 71.81	38.81 -5.88 50.74
HOWARD_WT_PWR 323690	75.78 -15.90 80.81	82.51 -11.68 45.63	82.85 -9.48 30.56	92.35 -9.44 24.82	89.12 -11.09 40.06	46.39 -10.82 72.25	0.58 -5.29 55.00	38.96 -6.82 32.98	39.38 -3.83 1.34	19.74 -6.80 42.68	60.47 -11.85 33.88	50.09 -9.34 19.99	52.11 -7.24 2.75	43.69 -8.29 13.47	38.34 -6.32 6.04	21.01 -6.76 27.72	18.08 -7.14 41.31	13.20 -10.51 89.49	1.45 -11.46 120.18	27.66 -10.48 79.06	-76.28 -11.63 211.73	-25.53 -11.89 131.59	-18.04 -9.69 103.93	19.20 -10.51 65.72

HQ_GEN_CEDARS 23644	172.41 -0.08 0.00	139.96 0.14 0.00	122.88 -0.01 0.00	126.65 0.03 0.00	139.94 -0.33 0.00	128.58 -0.89 0.00	60.34 -0.54 0.00	78.10 -0.66 0.00	44.16 -0.39 0.00	68.59 -0.13 0.49	103.88 1.31 3.64	79.47 2.29 2.24	62.64 1.82 1.28	65.89 1.97 1.53	51.20 1.26 0.76	55.84 1.47 1.14	65.40 1.04 2.16	110.24 1.33 4.28	132.47 1.19 1.80	115.52 0.95 2.64	145.19 1.75 3.64	114.22 1.37 5.10	93.02 1.06 3.61	93.40 1.27 3.29
HQ_GEN_CEDARS_PROXY 323590	172.42 -0.06 0.00	139.96 0.14 0.00	122.88 -0.01 0.00	126.65 0.03 0.00	139.95 -0.32 0.00	128.64 -0.82 0.00	60.36 -0.51 0.00	78.12 -0.64 0.00	32.72 -0.39 11.45	63.19 -0.12 5.91	103.88 1.31 3.64	79.46 2.28 2.24	62.64 1.82 1.28	65.88 1.96 1.53	51.21 1.26 0.76	55.83 1.47 1.14	65.40 1.04 2.16	110.23 1.31 4.28	132.47 1.19 1.80	115.51 0.95 2.64	145.21 1.76 3.64	114.22 1.37 5.10	93.02 1.06 3.61	93.39 1.26 3.29
HQ_GEN_IMPORT 323601	168.69 -1.62 2.18	138.61 -1.20 0.00	121.68 -1.21 0.00	125.43 -1.18 0.00	138.82 -1.45 0.00	127.90 -1.57 0.00	60.11 -0.77 0.00	77.86 -0.89 0.00	44.01 -0.54 0.00	67.55 -0.31 1.35	106.80 0.60 0.00	80.27 0.85 0.00	62.75 0.66 0.00	66.16 0.70 0.00	51.05 0.35 0.00	56.01 0.51 0.00	66.97 0.44 0.00	113.45 0.25 0.00	133.05 -0.03 0.00	117.13 -0.07 0.00	147.37 0.30 0.00	118.15 0.20 0.00	95.85 0.28 0.00	95.76 0.33 0.00
HQ_GEN_WHEEL 23651	168.69 -1.62 2.18	138.61 -1.20 0.00	121.68 -1.21 0.00	125.43 -1.18 0.00	138.82 -1.45 0.00	127.90 -1.57 0.00	60.11 -0.77 0.00	77.86 -0.89 0.00	44.01 -0.54 0.00	67.55 -0.31 1.35	106.80 0.60 0.00	80.27 0.85 0.00	62.75 0.66 0.00	66.16 0.70 0.00	51.05 0.35 0.00	56.01 0.51 0.00	66.97 0.44 0.00	113.45 0.25 0.00	133.05 -0.03 0.00	117.13 -0.07 0.00	147.37 0.30 0.00	118.15 0.20 0.00	95.85 0.28 0.00	95.76 0.33 0.00
HUDSON_AVE_GT_3 23810	184.75 12.26 0.00	149.30 9.48 0.00	131.43 8.54 0.00	135.50 8.89 0.00	149.89 9.62 0.00	165.86 9.12 -27.28	153.53 4.49 -88.17	129.48 5.82 -44.90	61.77 3.38 -13.83	73.32 4.74 0.63	107.47 5.98 4.71	80.70 4.18 2.91	63.83 3.40 1.66	66.92 3.45 1.98	52.78 3.06 0.98	57.19 3.16 1.47	67.19 3.47 2.81	113.78 6.14 5.55	138.17 7.42 2.33	120.29 6.51 3.42	150.31 7.94 4.71	117.96 6.61 6.60	96.02 5.12 4.68	96.19 5.03 4.27
HUDSON_AVE_GT_4 23540	184.75 12.26 0.00	149.30 9.48 0.00	131.43 8.54 0.00	135.50 8.89 0.00	149.89 9.62 0.00	165.86 9.12 -27.28	153.53 4.49 -88.17	129.48 5.82 -44.90	61.77 3.38 -13.83	73.32 4.74 0.63	107.47 5.98 4.71	80.70 4.18 2.91	63.83 3.40 1.66	66.92 3.45 1.98	52.78 3.06 0.98	57.19 3.16 1.47	67.19 3.47 2.81	113.78 6.14 5.55	138.17 7.42 2.33	120.29 6.51 3.42	150.31 7.94 4.71	117.96 6.61 6.60	96.02 5.12 4.68	96.19 5.03 4.27
HUDSON_AVE_GT_5 23657	184.75 12.26 0.00	149.30 9.48 0.00	131.43 8.54 0.00	135.50 8.89 0.00	149.89 9.62 0.00	165.86 9.12 -27.28	153.53 4.49 -88.17	129.48 5.82 -44.90	61.77 3.38 -13.83	73.32 4.74 0.63	107.47 5.98 4.71	80.70 4.18 2.91	63.83 3.40 1.66	66.92 3.45 1.98	52.78 3.06 0.98	57.19 3.16 1.47	67.19 3.47 2.81	113.78 6.14 5.55	138.17 7.42 2.33	120.29 6.51 3.42	150.31 7.94 4.71	117.96 6.61 6.60	96.02 5.12 4.68	96.19 5.03 4.27
HUDSON_AVE_10 24168	184.24 11.75 0.00	148.88 9.06 0.00	131.08 8.18 0.00	135.24 8.63 0.00	149.60 9.33 0.00	165.59 8.85 -27.28	153.40 4.35 -88.17	129.32 5.66 -44.90	61.65 3.27 -13.83	73.16 4.58 0.63	107.18 5.69 4.71	80.46 3.94 2.91	63.60 3.16 1.66	66.64 3.16 1.98	52.61 2.88 0.98	56.98 2.95 1.47	66.97 3.25 2.81	113.36 5.71 5.55	137.67 6.92 2.33	119.92 6.14 3.42	149.90 7.53 4.71	117.61 6.26 6.60	95.77 4.87 4.68	95.99 4.83 4.27
HUDSON___115KV_TB 4 355613	184.30 11.81 0.00	149.46 9.64 0.00	131.58 8.69 0.00	135.53 8.92 0.00	150.30 10.03 0.00	171.15 9.10 -32.58	180.47 4.10 -115.49	154.20 5.10 -70.33	68.09 2.74 -20.80	72.33 3.60 0.49	106.61 4.02 3.62	80.17 2.97 2.23	63.09 2.26 1.27	66.26 2.33 1.52	51.83 1.88 0.75	56.26 1.89 1.13	67.06 2.68 2.15	114.58 5.64 4.26	138.58 7.29 1.79	121.32 6.74 2.63	150.03 7.69 4.74	119.28 6.41 5.08	97.25 5.26 3.59	97.62 5.47 3.28
HUNTER MOUNT___DRP 323613	185.55 13.06 0.00	150.51 10.69 0.00	132.47 9.58 0.00	136.46 9.85 0.00	151.33 11.06 0.00	171.26 9.98 -31.82	176.53 4.54 -111.12	150.47 5.74 -65.97	67.27 3.11 -19.61	72.88 4.17 0.51	107.33 4.90 3.77	80.66 3.56 2.33	63.46 2.69 1.33	66.63 2.76 1.59	52.11 2.20 0.79	56.64 2.32 1.18	67.63 3.35 2.25	115.67 6.92 4.44	140.03 8.82 1.87	122.52 8.06 2.74	151.75 9.30 4.64	120.26 7.60 5.29	98.03 6.20 3.75	98.42 6.41 3.42
HUNTINGTON_RES_REC 323705	186.11 13.61 0.00	151.31 11.49 0.00	133.08 10.19 0.00	137.37 10.76 0.00	151.89 11.62 0.00	167.92 11.18 -27.27	154.59 5.57 -88.15	130.66 7.01 -44.89	62.26 3.88 -13.82	73.98 5.40 0.63	108.60 7.11 4.71	81.44 4.93 2.91	64.21 3.77 1.66	67.32 3.85 1.98	53.12 3.40 0.98	57.72 3.69 1.47	68.14 4.42 2.81	117.96 8.62 3.86	141.16 10.41 2.33	126.26 9.38 0.33	156.64 11.36 1.80	127.16 9.18 -0.03	97.79 6.89 4.68	97.94 6.79 4.27
HUNTLEY___63 23557	126.87 -17.46 28.16	110.56 -13.29 15.97	100.48 -11.71 10.70	105.68 -12.24 8.69	112.90 -13.35 14.02	94.90 -11.93 22.64	44.08 -6.20 10.59	62.94 -8.67 7.15	39.85 -4.84 -0.13	41.44 -7.84 19.93	44.01 -13.02 49.17	40.64 -10.04 28.75	37.17 -7.90 17.02	35.96 -8.39 21.10	33.74 -6.68 10.28	29.78 -7.39 18.32	26.55 -9.05 30.92	35.11 -14.21 63.88	60.88 -16.48 55.72	55.19 -14.24 47.78	28.53 -16.76 101.79	19.65 -13.49 84.80	20.73 -10.49 64.35	37.01 -10.33 48.08
HUNTLEY___64 23558	126.87 -17.46 28.16	110.56 -13.29 15.97	100.48 -11.71 10.70	105.68 -12.24 8.69	112.90 -13.35 14.02	94.90 -11.93 22.64	44.08 -6.20 10.59	62.94 -8.67 7.15	39.85 -4.84 -0.13	41.44 -7.84 19.93	44.01 -13.02 49.17	40.64 -10.04 28.75	37.17 -7.90 17.02	35.96 -8.39 21.10	33.74 -6.68 10.28	29.78 -7.39 18.32	26.55 -9.05 30.92	35.11 -14.21 63.88	60.88 -16.48 55.72	55.19 -14.24 47.78	28.53 -16.76 101.79	19.65 -13.49 84.80	20.73 -10.49 64.35	37.01 -10.33 48.08
HUNTLEY___65 23559	126.87 -17.46 28.16	110.56 -13.29 15.97	100.48 -11.71 10.70	105.68 -12.24 8.69	112.90 -13.35 14.02	94.90 -11.93 22.64	44.08 -6.20 10.59	62.94 -8.67 7.15	39.85 -4.84 -0.13	41.44 -7.84 19.93	44.01 -13.02 49.17	40.64 -10.04 28.75	37.17 -7.90 17.02	35.96 -8.39 21.10	33.74 -6.68 10.28	29.78 -7.39 18.32	26.55 -9.05 30.92	35.11 -14.21 63.88	60.88 -16.48 55.72	55.19 -14.24 47.78	28.53 -16.76 101.79	19.65 -13.49 84.80	20.73 -10.49 64.35	37.01 -10.33 48.08
HUNTLEY___66 23560	126.87 -17.46 28.16	110.56 -13.29 15.97	100.48 -11.71 10.70	105.68 -12.24 8.69	112.90 -13.35 14.02	94.90 -11.93 22.64	44.08 -6.20 10.59	62.94 -8.67 7.15	39.85 -4.84 -0.13	41.44 -7.84 19.93	44.01 -13.02 49.17	40.64 -10.04 28.75	37.17 -7.90 17.02	35.96 -8.39 21.10	33.74 -6.68 10.28	29.78 -7.39 18.32	26.55 -9.05 30.92	35.11 -14.21 63.88	60.88 -16.48 55.72	55.19 -14.24 47.78	28.53 -16.76 101.79	19.65 -13.49 84.80	20.73 -10.49 64.35	37.01 -10.33 48.08

HUNTLEY___67 23561	125.07 -18.02 29.40	109.61 -13.61 16.59	99.89 -11.89 11.11	105.17 -12.41 9.03	112.09 -13.61 14.57	93.50 -12.34 23.63	43.05 -6.43 11.39	62.20 -8.88 7.68	39.67 -4.92 -0.03	40.51 -8.05 20.65	42.97 -13.40 49.84	40.32 -10.09 29.01	36.65 -8.05 17.39	35.51 -8.54 21.41	33.55 -6.72 10.44	29.57 -7.43 18.50	26.33 -9.12 31.08	34.46 -14.42 64.31	59.40 -16.61 57.07	54.44 -14.40 48.36	25.68 -17.15 104.25	18.38 -13.86 85.72	19.60 -10.81 65.16	36.57 -10.53 48.32
HUNTLEY___68 23562	125.07 -18.02 29.40	109.61 -13.61 16.59	99.89 -11.89 11.11	105.17 -12.41 9.03	112.09 -13.61 14.57	93.50 -12.34 23.63	43.05 -6.43 11.39	62.20 -8.88 7.68	39.67 -4.92 -0.03	40.51 -8.05 20.65	42.97 -13.40 49.84	40.32 -10.09 29.01	36.65 -8.05 17.39	35.51 -8.54 21.41	33.55 -6.72 10.44	29.57 -7.43 18.50	26.33 -9.12 31.08	34.46 -14.42 64.31	59.40 -16.61 57.07	54.44 -14.40 48.36	25.68 -17.15 104.25	18.38 -13.86 85.72	19.60 -10.81 65.16	36.57 -10.53 48.32
HYLAND___LFG 323620	123.81 -4.45 44.23	111.78 -3.06 24.98	103.81 -2.36 16.73	110.55 -2.47 13.59	115.55 -2.79 21.93	89.28 -2.49 37.70	35.35 -1.45 24.07	61.82 -1.87 15.07	44.09 -1.39 -0.92	40.09 -4.88 24.24	67.96 -9.26 28.98	53.67 -7.19 18.56	53.87 -5.72 2.50	47.97 -6.32 11.17	40.63 -4.93 5.15	29.09 -5.23 21.18	27.59 -4.87 34.06	37.05 -4.51 71.64	54.26 -3.51 75.31	56.85 -3.09 57.26	8.47 -3.71 134.90	14.94 -4.02 98.99	16.69 -3.40 75.49	38.35 -3.68 53.39
INDECK___CORINTH 23802	188.38 15.89 0.00	152.21 12.39 0.00	133.98 11.09 0.00	138.01 11.40 0.00	153.25 12.98 0.00	176.23 12.34 -34.42	205.98 6.11 -139.00	188.89 7.91 -102.22	78.05 4.39 -29.10	75.13 6.37 0.45	111.38 8.54 3.36	83.33 5.98 2.08	65.45 4.54 1.18	68.65 4.61 1.42	53.73 3.73 0.70	58.58 4.13 1.05	70.05 5.53 2.00	119.56 10.33 3.96	143.69 12.27 1.67	125.51 10.75 2.45	157.21 13.05 2.92	123.32 10.09 4.72	100.30 8.07 3.34	100.61 8.23 3.05
INDECK___ILION 23567	177.39 4.90 0.00	143.57 3.75 0.00	126.24 3.35 0.00	130.01 3.40 0.00	144.19 3.91 0.00	133.29 3.82 0.00	62.78 1.91 0.00	81.20 2.43 0.00	45.90 1.35 0.00	70.38 1.69 0.53	103.80 1.50 3.90	77.88 0.85 2.40	61.37 0.65 1.37	64.38 0.56 1.64	50.45 0.56 0.81	54.85 0.57 1.22	65.28 1.07 2.32	111.05 2.44 4.59	134.34 3.19 1.93	117.30 2.92 2.83	146.51 3.33 3.90	115.22 2.73 5.46	93.80 2.09 3.87	94.00 2.11 3.53
INDECK___OLEAN 23982	124.67 -8.02 39.79	110.90 -6.42 22.50	102.16 -5.66 15.07	108.71 -5.66 12.24	114.55 -5.96 19.75	90.41 -6.00 33.06	38.46 -3.68 18.73	61.97 -4.89 11.90	41.70 -2.82 0.03	39.85 -4.54 24.82	52.64 -7.82 45.74	47.01 -5.81 26.60	43.36 -4.49 14.24	41.07 -4.92 19.48	37.49 -3.83 9.38	31.36 -4.16 19.98	28.77 -5.35 32.41	36.25 -9.01 67.94	54.11 -9.71 69.26	54.98 -8.53 53.69	11.85 -10.47 124.76	16.18 -8.52 93.24	17.38 -6.39 71.81	38.69 -6.00 50.74
INDECK___OSWEGO 23783	171.86 -0.63 0.00	139.49 -0.33 0.00	122.48 -0.41 0.00	125.96 -0.65 0.00	139.99 -0.28 0.00	132.05 -0.27 -2.86	68.85 -0.27 -8.24	81.39 -0.55 -3.18	45.21 -0.38 -1.03	63.01 -0.87 5.33	65.18 -1.48 39.54	53.55 -1.48 24.39	46.86 -1.34 13.90	47.43 -1.38 16.65	41.30 -1.15 8.25	42.03 -1.13 12.34	41.88 -1.10 23.54	65.95 -0.67 46.58	113.16 -0.33 19.59	88.01 -0.44 28.75	106.22 -1.32 39.55	61.29 -1.20 55.47	54.86 -1.45 39.26	57.94 -1.68 35.81
INDECK___YERKES 23781	126.86 -17.47 28.16	110.60 -13.25 15.97	100.57 -11.63 10.70	105.76 -12.17 8.69	112.89 -13.36 14.02	94.81 -12.02 22.64	44.07 -6.22 10.59	62.96 -8.64 7.15	39.85 -4.83 -0.13	41.55 -7.73 19.93	44.38 -12.65 49.17	40.93 -9.74 28.75	37.43 -7.65 17.02	36.16 -8.20 21.10	33.84 -6.58 10.28	29.80 -7.38 18.32	26.57 -9.04 30.92	35.18 -14.14 63.88	61.07 -16.29 55.72	55.27 -14.16 47.78	28.80 -16.49 101.80	19.87 -13.28 84.80	20.84 -10.38 64.36	37.13 -10.22 48.08
INDIAN POINT_GT_1 24139	183.46 10.97 0.00	148.28 8.46 0.00	130.45 7.56 0.00	134.45 7.84 0.00	148.82 8.55 0.00	164.62 8.16 -27.00	152.16 4.01 -87.28	128.35 5.14 -44.44	61.19 2.95 -13.68	72.65 4.08 0.64	106.45 5.00 4.76	79.92 3.43 2.94	63.20 2.78 1.67	66.31 2.85 2.00	52.26 2.55 0.99	56.66 2.65 1.49	66.71 3.02 2.83	113.05 5.46 5.60	137.37 6.64 2.36	119.62 5.88 3.46	149.45 7.13 4.76	117.17 5.90 6.68	95.46 4.60 4.73	95.59 4.47 4.31
INDIAN POINT_GT_2 23659	183.46 10.97 0.00	148.28 8.46 0.00	130.45 7.56 0.00	134.45 7.84 0.00	148.82 8.55 0.00	164.62 8.16 -27.00	152.16 4.01 -87.28	128.35 5.14 -44.44	61.19 2.95 -13.68	72.65 4.08 0.64	106.45 5.00 4.76	79.92 3.43 2.94	63.20 2.78 1.67	66.31 2.85 2.00	52.26 2.55 0.99	56.66 2.65 1.49	66.71 3.02 2.83	113.05 5.46 5.60	137.37 6.64 2.36	119.62 5.88 3.46	149.45 7.13 4.76	117.17 5.90 6.68	95.46 4.60 4.73	95.59 4.47 4.31
INDIAN POINT_GT_3 24019	183.46 10.97 0.00	148.28 8.46 0.00	130.45 7.56 0.00	134.45 7.84 0.00	148.82 8.55 0.00	164.62 8.16 -27.00	152.16 4.01 -87.28	128.35 5.14 -44.44	61.19 2.95 -13.68	72.65 4.08 0.64	106.45 5.00 4.76	79.92 3.43 2.94	63.20 2.78 1.67	66.31 2.85 2.00	52.26 2.55 0.99	56.66 2.65 1.49	66.71 3.02 2.83	113.05 5.46 5.60	137.37 6.64 2.36	119.62 5.88 3.46	149.45 7.13 4.76	117.17 5.90 6.68	95.46 4.60 4.73	95.59 4.47 4.31
INDIAN POINT___2 23530	183.17 10.68 0.00	148.02 8.20 0.00	130.26 7.37 0.00	134.25 7.64 0.00	148.58 8.31 0.00	164.05 7.95 -26.64	150.86 3.89 -86.10	127.58 4.98 -43.84	60.90 2.85 -13.50	72.51 3.95 0.65	106.14 4.76 4.82	79.69 3.24 2.98	63.05 2.65 1.70	66.14 2.71 2.03	52.14 2.44 1.01	56.55 2.56 1.51	66.57 2.91 2.87	112.76 5.25 5.68	137.07 6.38 2.39	119.35 5.65 3.51	149.12 6.87 4.83	116.83 5.65 6.77	95.22 4.43 4.79	95.37 4.32 4.37
INDIAN POINT___3 23531	183.32 10.84 0.00	148.15 8.33 0.00	130.35 7.46 0.00	134.34 7.73 0.00	148.72 8.45 0.00	164.52 8.04 -27.02	152.16 3.95 -87.33	128.30 5.06 -44.47	61.15 2.91 -13.69	72.59 4.02 0.64	106.38 4.93 4.76	79.86 3.37 2.94	63.16 2.74 1.67	66.27 2.82 2.00	52.22 2.51 0.99	56.62 2.60 1.48	66.67 2.97 2.83	112.94 5.35 5.60	137.25 6.52 2.36	119.54 5.80 3.46	149.32 6.99 4.76	117.06 5.78 6.67	95.38 4.52 4.72	95.58 4.46 4.31
INGHAM_C_115KV_TB7 356103	181.11 8.63 0.00	146.32 6.50 0.00	128.73 5.84 0.00	132.44 5.82 0.00	147.10 6.82 0.00	136.22 6.76 0.00	64.28 3.40 0.00	83.16 4.40 0.00	46.94 2.38 0.00	71.58 2.90 0.53	104.37 2.07 3.90	78.07 1.05 2.40	61.47 0.75 1.37	64.29 0.47 1.64	50.54 0.65 0.81	54.97 0.69 1.22	65.91 1.70 2.32	112.81 4.21 4.59	136.72 5.57 1.93	119.59 5.21 2.83	149.01 5.83 3.90	117.35 4.87 5.46	95.48 3.77 3.87	95.73 3.84 3.53
IP CORINTH___1 23988	188.40 15.91 0.00	152.21 12.40 0.00	133.97 11.08 0.00	138.01 11.40 0.00	153.26 12.98 0.00	176.25 12.36 -34.42	205.99 6.11 -139.00	188.90 7.92 -102.22	78.05 4.39 -29.10	75.13 6.37 0.45	111.38 8.54 3.36	83.33 5.98 2.08	65.45 4.54 1.18	68.67 4.62 1.42	53.73 3.73 0.70	58.57 4.13 1.05	70.05 5.52 2.00	119.57 10.33 3.96	143.70 12.29 1.67	125.51 10.75 2.45	157.21 13.05 2.92	123.35 10.12 4.72	100.32 8.09 3.34	100.61 8.23 3.05

IP__TICONDEROGA 23804	195.28 22.79 0.00	157.08 17.26 0.00	138.59 15.70 0.00	142.72 16.11 0.00	158.83 18.56 0.00	181.66 17.82 -34.39	208.53 9.06 -138.59	192.12 11.67 -101.69	79.63 6.11 -28.96	77.80 9.04 0.45	115.93 13.09 3.36	86.37 9.02 2.08	67.65 6.74 1.18	70.91 6.86 1.42	55.53 5.54 0.70	60.68 6.23 1.05	72.85 8.33 2.00	125.11 15.88 3.96	150.25 18.83 1.67	131.26 16.50 2.45	163.92 19.74 2.90	127.78 14.55 4.72	103.99 11.75 3.34	104.36 11.99 3.05
ISLIP_RES_REC 323679	188.58 16.09 0.00	153.40 13.58 0.00	134.88 11.99 0.00	139.17 12.56 0.00	153.89 13.62 0.00	169.83 13.09 -27.27	155.66 6.64 -88.15	131.96 8.31 -44.89	62.90 4.52 -13.82	74.91 6.33 0.63	109.93 8.44 4.71	82.39 5.87 2.91	64.90 4.47 1.66	68.03 4.56 1.98	53.70 3.98 0.98	58.45 4.43 1.47	69.13 5.41 2.81	119.89 10.55 3.86	143.36 12.61 2.33	128.24 11.37 0.33	159.00 13.72 1.80	128.97 10.99 -0.03	99.14 8.24 4.68	99.25 8.09 4.27
JAMAICA__27_KV_LOAD 355505	185.08 12.59 0.00	149.57 9.76 0.00	131.81 8.92 0.00	135.89 9.28 0.00	150.39 10.12 0.00	166.31 9.57 -27.28	153.75 4.70 -88.17	129.77 6.11 -44.90	61.88 3.50 -13.83	73.47 4.89 0.63	107.61 6.11 4.71	80.67 4.15 2.91	63.59 3.16 1.66	66.54 3.06 1.98	52.62 2.90 0.98	56.97 2.94 1.47	67.04 3.32 2.81	113.43 5.78 5.55	137.91 7.17 2.33	120.30 6.52 3.42	150.50 8.13 4.71	118.05 6.70 6.60	96.16 5.26 4.68	96.40 5.25 4.27
JANIS__SOLAR 323808	253.49 3.42 -77.58	187.15 3.55 -43.78	155.39 3.17 -29.32	153.73 3.30 -23.82	183.46 4.75 -38.44	217.15 4.66 -83.03	161.40 2.36 -98.17	137.87 3.12 -55.99	56.21 1.66 -10.00	107.02 1.44 -36.37	89.23 0.46 17.43	65.02 -0.65 13.76	51.21 -0.81 10.08	57.36 -1.07 7.03	45.86 -0.83 4.01	60.96 -0.59 -6.05	67.31 0.35 -0.43	124.38 2.89 -8.29	219.99 4.22 -82.69	148.75 3.56 -27.98	288.75 3.93 -137.74	154.73 2.84 -33.94	132.78 1.97 -35.23	100.73 1.91 -3.40
JARVIS____ 23743	174.33 1.84 0.00	141.25 1.43 0.00	124.23 1.35 0.00	127.98 1.36 0.00	141.82 1.55 0.00	130.90 1.44 0.00	61.58 0.70 0.00	79.65 0.89 0.00	45.08 0.53 0.00	69.36 0.67 0.53	103.02 0.71 3.90	77.42 0.40 2.40	61.04 0.31 1.37	64.15 0.33 1.64	50.19 0.30 0.81	54.57 0.28 1.22	64.62 0.41 2.32	109.47 0.86 4.59	132.24 1.09 1.93	115.36 0.99 2.83	144.28 1.09 3.90	113.38 0.89 5.46	92.35 0.64 3.87	92.55 0.66 3.53
JENNISON__1 23625	191.28 2.86 -15.93	151.79 2.98 -8.99	131.28 2.37 -6.02	134.27 2.77 -4.89	153.38 5.22 -7.90	160.08 5.36 -25.25	111.95 2.74 -48.34	110.15 3.71 -27.67	53.56 2.09 -6.91	78.35 2.82 -6.32	87.75 3.42 21.88	67.01 1.67 14.08	54.60 1.07 8.57	57.17 0.88 9.16	46.72 0.67 4.65	51.83 0.73 4.40	57.32 1.46 10.67	97.03 3.42 19.59	145.07 3.96 -8.03	112.94 3.13 7.39	160.54 3.25 -10.21	101.79 2.22 18.38	86.34 1.49 10.72	81.54 1.79 15.67
JENNISON__2 23626	191.28 2.86 -15.93	151.79 2.98 -8.99	131.28 2.37 -6.02	134.27 2.77 -4.89	153.38 5.22 -7.90	160.08 5.36 -25.25	111.95 2.74 -48.34	110.15 3.71 -27.67	53.56 2.09 -6.91	78.35 2.82 -6.32	87.75 3.42 21.88	67.01 1.67 14.08	54.60 1.07 8.57	57.17 0.88 9.16	46.72 0.67 4.65	51.83 0.73 4.40	57.32 1.46 10.67	97.03 3.42 19.59	145.07 3.96 -8.03	112.94 3.13 7.39	160.54 3.25 -10.21	101.79 2.22 18.38	86.34 1.49 10.72	81.54 1.79 15.67
JERICHO_RISE_WT_PWR 323719	171.48 -1.01 0.00	139.14 -0.68 0.00	121.95 -0.94 0.00	125.79 -0.82 0.00	139.32 -0.95 0.00	128.30 -1.17 0.00	60.11 -0.77 0.00	77.86 -0.90 0.00	44.19 -0.37 0.00	68.56 -0.28 0.38	104.17 0.76 2.80	78.92 1.22 1.73	61.92 0.82 0.98	65.27 0.99 1.18	50.53 0.41 0.58	55.16 0.54 0.87	65.34 0.47 1.67	111.22 1.32 3.29	132.87 1.17 1.39	115.89 0.72 2.03	144.41 0.12 2.80	113.18 -0.85 3.92	91.81 -0.99 2.78	92.85 -0.04 2.53
KATONAH__115KV_46KV_TB4 355592	185.01 12.52 0.00	149.56 9.74 0.00	131.58 8.68 0.00	135.60 8.99 0.00	150.12 9.85 0.00	166.46 9.38 -27.62	154.75 4.60 -89.28	130.18 5.95 -45.47	61.94 3.39 -14.00	73.34 4.76 0.63	107.57 6.02 4.65	80.73 4.18 2.87	63.80 3.34 1.63	66.93 3.43 1.96	52.71 2.98 0.97	57.16 3.11 1.45	67.34 3.58 2.77	114.19 6.47 5.48	138.70 7.93 2.30	120.83 7.01 3.38	150.92 8.49 4.65	118.38 6.95 6.52	96.37 5.41 4.62	96.54 5.33 4.21
KCE_NY_1 323755	185.37 12.88 0.00	150.05 10.24 0.00	131.83 8.94 0.00	135.75 9.14 0.00	150.62 10.34 0.00	173.56 9.77 -34.33	203.68 4.79 -138.02	185.88 6.18 -100.94	76.75 3.44 -28.76	73.69 4.93 0.45	109.55 6.71 3.36	81.91 4.57 2.08	64.42 3.51 1.18	67.67 3.63 1.42	52.95 2.95 0.70	57.70 3.25 1.05	68.84 4.31 2.00	117.31 8.08 3.96	141.02 9.61 1.67	123.19 8.43 2.45	154.49 10.29 2.87	121.26 8.03 4.72	98.70 6.47 3.34	99.05 6.67 3.05
KCE_NY_6_ESR 323823	125.83 -15.10 31.56	110.64 -11.30 17.88	101.24 -9.67 11.97	106.67 -10.22 9.72	113.36 -11.21 15.70	93.52 -10.29 25.65	42.56 -5.46 12.86	62.67 -7.56 8.52	40.30 -4.21 0.04	40.76 -6.80 21.65	44.88 -11.46 49.87	41.82 -8.67 28.93	37.78 -6.96 17.35	36.62 -7.38 21.46	34.39 -5.87 10.44	30.19 -6.54 18.78	27.30 -7.93 31.31	35.87 -12.36 64.96	59.45 -13.99 59.64	55.52 -12.24 49.44	24.15 -14.47 108.46	19.02 -11.78 87.15	19.73 -9.29 66.55	37.53 -9.11 48.78
KEDC_PORT_JEFF_GT2 24210	187.09 14.61 0.00	152.42 12.61 0.00	134.02 11.12 0.00	138.28 11.67 0.00	152.91 12.64 0.00	168.89 12.16 -27.27	155.19 6.17 -88.15	131.38 7.73 -44.89	62.61 4.23 -13.82	74.49 5.91 0.63	109.35 7.86 4.71	81.97 5.45 2.91	64.59 4.16 1.66	67.73 4.26 1.98	53.45 3.73 0.98	58.14 4.12 1.47	68.72 4.99 2.81	119.05 9.71 3.86	142.37 11.62 2.33	127.40 10.53 0.33	157.97 12.69 1.80	128.15 10.17 -0.03	98.51 7.61 4.68	98.64 7.48 4.27
KEDC_PORT_JEFF_GT3 24211	187.09 14.61 0.00	152.42 12.61 0.00	134.02 11.12 0.00	138.28 11.67 0.00	152.91 12.64 0.00	168.89 12.16 -27.27	155.19 6.17 -88.15	131.38 7.73 -44.89	62.61 4.23 -13.82	74.49 5.91 0.63	109.35 7.86 4.71	81.97 5.45 2.91	64.59 4.16 1.66	67.73 4.26 1.98	53.45 3.73 0.98	58.14 4.12 1.47	68.72 4.99 2.81	119.05 9.71 3.86	142.37 11.62 2.33	127.40 10.53 0.33	157.97 12.69 1.80	128.15 10.17 -0.03	98.51 7.61 4.68	98.64 7.48 4.27
KEDC_GLWD_GT4 24219	186.89 14.40 0.00	151.46 11.64 0.00	133.18 10.29 0.00	137.36 10.75 0.00	151.91 11.63 0.00	167.86 11.13 -27.27	154.47 5.44 -88.15	130.51 6.86 -44.89	62.23 3.86 -13.82	74.01 5.43 0.63	108.25 6.75 4.71	81.47 4.95 2.91	64.37 3.93 1.66	67.51 4.04 1.98	53.23 3.51 0.98	57.55 3.52 1.47	67.87 4.15 2.81	117.01 7.67 3.86	140.07 9.32 2.33	125.18 8.31 0.33	155.37 10.08 1.80	126.21 8.23 -0.03	97.17 6.27 4.68	97.33 6.17 4.27
KEDC_GLWD_GT5 24220	186.89 14.40 0.00	151.46 11.64 0.00	133.18 10.29 0.00	137.36 10.75 0.00	151.91 11.63 0.00	167.86 11.13 -27.27	154.47 5.44 -88.15	130.51 6.86 -44.89	62.23 3.86 -13.82	74.01 5.43 0.63	108.25 6.75 4.71	81.47 4.95 2.91	64.37 3.93 1.66	67.51 4.04 1.98	53.23 3.51 0.98	57.55 3.52 1.47	67.87 4.15 2.81	117.01 7.67 3.86	140.07 9.32 2.33	125.18 8.31 0.33	155.37 10.08 1.80	126.21 8.23 -0.03	97.17 6.27 4.68	97.33 6.17 4.27

KENSICO____ 23655	184.03 11.54 0.00	148.72 8.90 0.00	130.88 7.98 0.00	134.90 8.28 0.00	149.28 9.01 0.00	165.29 8.60 -27.22	153.07 4.21 -87.99	128.98 5.42 -44.81	61.47 3.11 -13.80	72.91 4.34 0.64	106.89 5.40 4.72	80.24 3.73 2.91	63.47 3.03 1.66	66.58 3.11 1.99	52.47 2.75 0.98	56.88 2.86 1.47	66.95 3.24 2.81	113.43 5.80 5.56	137.80 7.05 2.34	120.04 6.26 3.43	149.94 7.58 4.72	117.60 6.27 6.62	95.79 4.89 4.69	95.96 4.81 4.28
KERHONKS_69_KV_TR1_REV_LBMP_G 345021	185.57 13.08 0.00	149.86 10.04 0.00	131.79 8.90 0.00	135.80 9.19 0.00	150.41 10.13 0.00	165.34 9.72 -26.16	151.00 4.75 -85.37	129.32 6.17 -44.39	61.57 3.41 -13.60	73.12 4.56 0.66	106.72 5.42 4.90	79.93 3.53 3.02	63.14 2.77 1.72	66.23 2.84 2.06	52.17 2.49 1.02	56.74 2.77 1.53	67.14 3.53 2.92	114.40 6.98 5.77	139.32 8.67 2.43	121.28 7.64 3.56	151.45 9.34 4.97	118.54 7.46 6.88	96.51 5.80 4.87	96.53 5.55 4.44
KIAC_JFK_GT1 23816	183.25 10.77 0.00	148.16 8.34 0.00	130.52 7.63 0.00	134.57 7.96 0.00	148.89 8.62 0.00	164.94 8.20 -27.28	153.07 4.02 -88.17	128.88 5.21 -44.90	61.37 2.99 -13.83	72.72 4.14 0.63	106.45 4.95 4.71	79.85 3.34 2.91	62.97 2.53 1.66	65.97 2.49 1.98	52.17 2.45 0.98	56.41 2.39 1.47	66.34 2.62 2.81	112.19 4.54 5.55	136.44 5.69 2.33	118.98 5.20 3.42	148.83 6.46 4.71	116.74 5.40 6.60	95.11 4.21 4.68	95.38 4.22 4.27
KIAC_JFK_GT2 23817	183.25 10.77 0.00	148.16 8.34 0.00	130.52 7.63 0.00	134.57 7.96 0.00	148.89 8.62 0.00	164.94 8.20 -27.28	153.07 4.02 -88.17	128.88 5.21 -44.90	61.37 2.99 -13.83	72.72 4.14 0.63	106.45 4.95 4.71	79.85 3.34 2.91	62.97 2.53 1.66	65.97 2.49 1.98	52.17 2.45 0.98	56.41 2.39 1.47	66.34 2.62 2.81	112.19 4.54 5.55	136.44 5.69 2.33	118.98 5.20 3.42	148.83 6.46 4.71	116.74 5.40 6.60	95.11 4.21 4.68	95.38 4.22 4.27
KIAC_JFK____ 323774	183.26 10.77 0.00	148.15 8.34 0.00	130.52 7.63 0.00	134.58 7.96 0.00	148.90 8.63 0.00	164.95 8.21 -27.28	153.06 4.02 -88.17	128.87 5.21 -44.90	61.36 2.98 -13.83	72.73 4.15 0.63	106.44 4.95 4.71	79.81 3.29 2.91	62.94 2.50 1.66	65.92 2.44 1.98	52.16 2.44 0.98	56.42 2.39 1.47	66.36 2.64 2.81	112.17 4.53 5.55	136.45 5.70 2.33	118.98 5.20 3.42	148.82 6.45 4.71	116.70 5.36 6.60	95.09 4.19 4.68	95.36 4.20 4.27
KINTIGH____ 23543	132.08 -18.20 22.20	113.47 -13.85 12.49	102.44 -12.08 8.37	107.22 -12.60 6.80	115.53 -13.78 10.97	99.74 -12.57 17.16	47.89 -6.42 6.57	65.21 -8.75 4.80	40.14 -4.85 -0.43	44.33 -7.94 16.94	45.32 -12.96 47.93	41.31 -9.71 28.40	37.96 -7.73 16.39	36.81 -8.23 20.42	34.28 -6.44 9.98	30.78 -7.18 17.54	27.45 -8.80 30.29	37.09 -14.05 62.06	68.09 -16.27 48.72	58.22 -14.17 44.82	39.90 -17.04 90.14	23.40 -13.75 80.80	24.32 -10.76 60.49	38.20 -10.38 46.84
KNTFSRNC_46_KV_46KV_LOAD 80397	174.82 2.33 0.00	141.89 2.07 0.00	124.49 1.60 0.00	128.42 1.81 0.00	142.25 1.98 0.00	131.13 1.66 0.00	61.34 0.46 0.00	79.28 0.52 0.00	44.98 0.43 0.00	69.61 0.73 0.34	105.54 1.83 2.49	80.25 2.36 1.54	62.75 1.54 0.88	66.21 1.80 1.05	51.32 1.14 0.52	56.03 1.31 0.78	66.52 1.48 1.48	113.52 3.25 2.93	135.43 3.58 1.23	118.21 2.82 1.81	147.15 2.56 2.49	115.47 1.01 3.49	93.52 0.42 2.47	94.76 1.59 2.25
LACHUTE__HYDRO 323717	195.26 22.78 0.00	157.07 17.26 0.00	138.60 15.71 0.00	142.73 16.11 0.00	158.83 18.56 0.00	181.62 17.78 -34.39	208.53 9.06 -138.59	192.09 11.64 -101.69	79.62 6.11 -28.96	77.80 9.04 0.45	115.92 13.08 3.36	86.37 9.02 2.08	67.66 6.75 1.18	70.89 6.85 1.42	55.53 5.53 0.70	60.68 6.23 1.05	72.84 8.32 2.00	125.11 15.87 3.96	150.25 18.83 1.67	131.26 16.50 2.45	163.92 19.73 2.90	127.76 14.53 4.72	103.97 11.73 3.34	104.35 11.97 3.05
LAWRNCV_115KV_TB1 80681	173.35 0.86 0.00	140.71 0.90 0.00	123.48 0.59 0.00	127.16 0.55 0.00	140.39 0.12 0.00	128.53 -0.93 0.00	60.18 -0.70 0.00	77.83 -0.93 0.00	43.99 -0.57 0.00	67.94 -0.48 0.80	101.41 1.12 5.91	78.07 2.29 3.64	61.94 1.92 2.08	65.09 2.12 2.49	50.77 1.30 1.23	55.20 1.55 1.84	64.11 1.10 3.52	107.62 1.38 6.96	131.55 1.39 2.93	113.95 1.05 4.30	143.24 2.07 5.91	111.35 1.69 8.29	90.88 1.17 5.87	91.42 1.34 5.35
LEDERLE____ 23769	183.77 11.28 0.00	148.46 8.65 0.00	130.66 7.77 0.00	134.64 8.03 0.00	149.04 8.77 0.00	164.09 8.37 -26.26	149.85 4.08 -84.89	127.23 5.25 -43.22	60.86 2.99 -13.31	72.70 4.15 0.66	106.43 5.11 4.89	79.90 3.49 3.02	63.21 2.84 1.72	66.32 2.92 2.06	52.28 2.60 1.02	56.71 2.74 1.53	66.77 3.15 2.91	113.12 5.69 5.76	137.60 6.94 2.42	119.76 6.11 3.56	149.62 7.42 4.89	117.22 6.13 6.86	95.52 4.80 4.86	95.65 4.66 4.43
LIGHTHSE_115KV_TB6 355974	172.69 0.20 0.00	140.40 0.58 0.00	123.05 0.16 0.00	126.52 -0.10 0.00	140.85 0.57 0.00	132.35 0.34 -2.54	68.02 -0.18 -7.33	80.94 -0.65 -2.83	45.02 -0.45 -0.92	63.45 -0.89 4.88	69.00 -1.06 36.14	55.81 -1.32 22.30	48.06 -1.33 12.70	49.01 -1.23 15.22	41.96 -1.20 7.54	43.11 -1.10 11.28	43.81 -1.19 21.52	70.42 -0.19 42.58	115.38 0.21 17.91	90.77 -0.15 26.28	109.43 -1.49 36.15	65.94 -1.31 50.71	57.98 -1.70 35.89	60.71 -1.97 32.74
LINDEN COGEN____ 23786	183.10 10.61 0.00	147.99 8.18 0.00	130.22 7.33 0.00	134.30 7.68 0.00	148.53 8.26 0.00	164.61 7.87 -27.28	152.94 3.89 -88.17	128.69 5.03 -44.90	61.34 2.96 -13.83	61.61 4.06 11.67	64.05 4.84 46.99	78.97 3.32 3.77	63.23 2.79 1.66	66.30 2.82 1.98	52.33 2.61 0.98	56.71 2.68 1.47	66.67 2.94 2.81	84.05 5.19 34.33	80.97 6.26 58.37	72.93 5.47 49.74	108.30 6.62 45.40	73.32 5.52 50.16	62.90 4.27 36.94	72.57 4.16 27.01
LINDHRST_69_KV_BK1 356055	187.71 15.22 0.00	152.47 12.65 0.00	134.00 11.11 0.00	138.21 11.60 0.00	152.84 12.57 0.00	168.76 12.02 -27.27	154.97 5.94 -88.15	131.12 7.47 -44.89	62.52 4.14 -13.82	74.36 5.78 0.63	109.14 7.64 4.71	81.91 5.39 2.91	64.59 4.15 1.66	67.80 4.33 1.98	53.47 3.75 0.98	58.06 4.03 1.47	68.55 4.83 2.81	118.52 9.18 3.86	141.92 11.18 2.33	126.84 9.97 0.33	157.32 12.04 1.80	127.78 9.80 -0.03	98.32 7.42 4.68	98.40 7.25 4.27
LIPA_MISC_IPP 23656	186.65 14.16 0.00	151.84 12.02 0.00	133.50 10.61 0.00	137.79 11.18 0.00	152.35 12.08 0.00	168.40 11.67 -27.27	155.06 6.04 -88.15	131.22 7.58 -44.89	62.47 4.09 -13.82	74.25 5.67 0.63	109.05 7.56 4.71	81.76 5.24 2.91	64.43 3.99 1.66	67.55 4.08 1.98	53.30 3.58 0.98	58.00 3.98 1.47	68.57 4.84 2.81	118.87 9.53 3.86	142.03 11.28 2.33	127.15 10.28 0.33	157.65 12.36 1.80	127.92 9.94 -0.03	98.23 7.33 4.68	98.37 7.21 4.27
LISF__SOLAR 323691	187.03 14.54 0.00	152.18 12.36 0.00	133.77 10.88 0.00	138.04 11.43 0.00	152.64 12.37 0.00	168.68 11.94 -27.27	155.22 6.19 -88.15	131.37 7.72 -44.89	62.53 4.15 -13.82	74.33 5.75 0.63	109.09 7.59 4.71	81.77 5.25 2.91	64.43 4.00 1.66	67.53 4.06 1.98	53.31 3.59 0.98	58.08 4.05 1.47	68.71 4.99 2.81	119.15 9.82 3.86	142.37 11.62 2.33	127.45 10.58 0.33	157.98 12.70 1.80	128.17 10.19 -0.03	98.42 7.52 4.68	98.57 7.42 4.27

LITTLE FALLS___HYD 24013	181.11 8.63 0.00	146.32 6.50 0.00	128.73 5.84 0.00	132.44 5.82 0.00	147.10 6.82 0.00	136.22 6.76 0.00	64.28 3.40 0.00	83.16 4.40 0.00	46.94 2.38 0.00	71.58 2.90 0.53	104.37 2.07 3.90	78.07 1.05 2.40	61.47 0.75 1.37	64.29 0.47 1.64	50.54 0.65 0.81	54.97 0.69 1.22	65.91 1.70 2.32	112.81 4.21 4.59	136.72 5.57 1.93	119.59 5.21 2.83	149.01 5.83 3.90	117.35 4.87 5.46	95.48 3.77 3.87	95.73 3.84 3.53
LITTLRIV_115KV_TB1 356100	175.99 3.50 0.00	142.87 3.05 0.00	125.35 2.46 0.00	129.14 2.52 0.00	142.51 2.23 0.00	130.99 1.07 -0.46	62.46 0.26 -1.33	79.62 0.35 -0.51	44.80 0.08 -0.17	68.60 0.23 0.85	102.12 2.19 6.28	78.75 3.20 3.88	62.67 2.79 2.21	65.80 2.99 2.65	51.42 2.03 1.31	55.97 2.43 1.96	65.02 2.23 3.74	109.14 3.34 7.40	133.72 3.75 3.11	115.77 3.13 4.57	145.44 4.64 6.28	112.84 3.70 8.81	92.10 2.76 6.24	92.64 2.91 5.69
LI_NEWBRDGE___DRP 323616	185.13 12.64 0.00	150.12 10.31 0.00	132.05 9.16 0.00	136.23 9.61 0.00	150.62 10.35 0.00	166.68 9.94 -27.27	153.92 4.89 -88.15	129.80 6.15 -44.89	61.84 3.46 -13.82	73.39 4.81 0.63	107.68 6.19 4.71	80.87 4.35 2.91	63.84 3.40 1.66	66.97 3.50 1.98	52.80 3.08 0.98	57.24 3.22 1.47	67.46 3.74 2.81	116.37 7.03 3.86	139.29 8.54 2.33	124.51 7.64 0.33	154.54 9.26 1.80	125.61 7.63 -0.03	96.67 5.77 4.68	96.85 5.69 4.27
LOCKPORT_115KV_TB60_63_64 80432	128.08 -18.52 25.90	110.88 -14.13 14.80	100.64 -12.34 9.91	105.67 -12.89 8.05	113.21 -14.07 13.00	96.07 -12.59 20.80	45.18 -6.54 9.16	63.35 -9.18 6.23	39.66 -5.13 -0.24	42.18 -8.28 18.76	43.75 -13.73 48.72	40.17 -10.62 28.64	36.92 -8.35 16.82	35.71 -8.88 20.88	33.41 -7.11 10.18	29.63 -7.85 18.01	26.30 -9.55 30.67	34.97 -15.08 63.15	62.48 -17.35 53.26	55.53 -14.94 46.74	32.07 -17.64 97.38	20.51 -14.22 83.22	21.66 -10.96 62.96	36.96 -10.80 47.67
LOCKPORT___CC1 323769	126.96 -19.15 26.37	110.23 -14.54 15.04	100.19 -12.63 10.07	105.24 -13.19 8.18	112.54 -14.53 13.20	95.22 -13.06 21.18	44.63 -6.78 9.47	62.93 -9.40 6.43	39.47 -5.28 -0.20	41.78 -8.39 19.04	43.50 -13.71 49.00	40.09 -10.58 28.75	36.82 -8.29 16.97	35.58 -8.87 21.01	33.34 -7.11 10.25	29.42 -7.99 18.08	26.07 -9.72 30.73	34.54 -15.33 63.32	61.92 -17.39 53.77	55.06 -15.18 46.96	30.97 -17.79 98.32	19.99 -14.39 83.57	21.10 -11.21 63.27	36.61 -11.04 47.77
LOCKPORT___CC2 323770	126.96 -19.15 26.37	110.23 -14.54 15.04	100.19 -12.63 10.07	105.24 -13.19 8.18	112.54 -14.53 13.20	95.22 -13.06 21.18	44.63 -6.78 9.47	62.93 -9.40 6.43	39.47 -5.28 -0.20	41.78 -8.39 19.04	43.50 -13.71 49.00	40.09 -10.58 28.75	36.82 -8.29 16.97	35.58 -8.87 21.01	33.34 -7.11 10.25	29.42 -7.99 18.08	26.07 -9.72 30.73	34.54 -15.33 63.32	61.92 -17.39 53.77	55.06 -15.18 46.96	30.97 -17.79 98.32	19.99 -14.39 83.57	21.10 -11.21 63.27	36.61 -11.04 47.77
LOCKPORT___CC3 323771	126.96 -19.15 26.37	110.23 -14.54 15.04	100.19 -12.63 10.07	105.24 -13.19 8.18	112.54 -14.53 13.20	95.22 -13.06 21.18	44.63 -6.78 9.47	62.93 -9.40 6.43	39.47 -5.28 -0.20	41.78 -8.39 19.04	43.50 -13.71 49.00	40.09 -10.58 28.75	36.82 -8.29 16.97	35.58 -8.87 21.01	33.34 -7.11 10.25	29.42 -7.99 18.08	26.07 -9.72 30.73	34.54 -15.33 63.32	61.92 -17.39 53.77	55.06 -15.18 46.96	30.97 -17.79 98.32	19.99 -14.39 83.57	21.10 -11.21 63.27	36.61 -11.04 47.77
LONG_LAKE_PHOENIX 24014	170.30 -2.19 0.00	138.03 -1.78 0.00	121.26 -1.63 0.00	124.76 -1.85 0.00	138.56 -1.71 0.00	130.83 -1.52 -2.89	68.41 -0.80 -8.34	80.79 -1.19 -3.22	44.90 -0.70 -1.04	62.29 -1.40 5.52	62.83 -2.45 40.92	52.05 -2.13 25.25	45.94 -1.77 14.38	46.36 -1.86 17.23	40.72 -1.45 8.54	41.24 -1.49 12.77	40.67 -1.49 24.37	63.30 -1.68 48.21	111.12 -1.68 20.28	85.89 -1.56 29.76	103.59 -2.56 40.93	58.31 -2.23 57.41	52.70 -2.25 40.63	55.97 -2.39 37.07
LOVETT___3 23632	182.98 10.49 0.00	147.86 8.04 0.00	130.09 7.20 0.00	134.08 7.47 0.00	148.42 8.15 0.00	163.62 7.80 -26.36	149.90 3.82 -85.21	127.02 4.88 -43.38	60.69 2.78 -13.36	72.39 3.83 0.66	105.99 4.66 4.87	79.58 3.16 3.01	62.95 2.57 1.71	66.05 2.65 2.05	52.07 2.39 1.02	56.45 2.47 1.52	66.45 2.83 2.90	112.58 5.12 5.74	136.89 6.22 2.41	119.17 5.51 3.54	148.90 6.69 4.87	116.66 5.54 6.84	95.07 4.33 4.84	95.24 4.23 4.41
LOVETT___4 23642	182.98 10.49 0.00	147.86 8.04 0.00	130.09 7.20 0.00	134.08 7.47 0.00	148.42 8.15 0.00	163.62 7.80 -26.36	149.90 3.82 -85.21	127.02 4.88 -43.38	60.69 2.78 -13.36	72.39 3.83 0.66	105.99 4.66 4.87	79.58 3.16 3.01	62.95 2.57 1.71	66.05 2.65 2.05	52.07 2.39 1.02	56.45 2.47 1.52	66.45 2.83 2.90	112.58 5.12 5.74	136.89 6.22 2.41	119.17 5.51 3.54	148.90 6.69 4.87	116.66 5.54 6.84	95.07 4.33 4.84	95.24 4.23 4.41
LOVETT___5 23593	182.98 10.49 0.00	147.86 8.04 0.00	130.09 7.20 0.00	134.08 7.47 0.00	148.42 8.15 0.00	163.62 7.80 -26.36	149.90 3.82 -85.21	127.02 4.88 -43.38	60.69 2.78 -13.36	72.39 3.83 0.66	105.99 4.66 4.87	79.58 3.16 3.01	62.95 2.57 1.71	66.05 2.65 2.05	52.07 2.39 1.02	56.45 2.47 1.52	66.45 2.83 2.90	112.58 5.12 5.74	136.89 6.22 2.41	119.17 5.51 3.54	148.90 6.69 4.87	116.66 5.54 6.84	95.07 4.33 4.84	95.24 4.23 4.41
LOWER RAQUET___HYD 24057	173.66 1.18 0.00	140.96 1.14 0.00	123.66 0.77 0.00	127.38 0.76 0.00	140.54 0.27 0.00	129.08 -0.87 -0.49	61.54 -0.73 -1.40	78.33 -0.98 -0.54	44.11 -0.62 -0.18	67.75 -0.57 0.89	100.61 1.03 6.63	77.61 2.28 4.09	61.70 1.94 2.33	64.83 2.16 2.79	50.64 1.32 1.38	54.99 1.56 2.07	63.71 1.13 3.95	106.79 1.41 7.81	131.25 1.45 3.29	113.48 1.10 4.82	142.61 2.16 6.63	110.46 1.81 9.30	90.17 1.18 6.58	90.78 1.36 6.01
LOWER___HUDSON 24059	182.36 9.87 0.00	147.55 7.73 0.00	129.89 7.00 0.00	133.79 7.17 0.00	148.37 8.10 0.00	170.92 7.70 -33.76	195.87 3.69 -131.30	175.51 4.75 -92.00	73.66 2.67 -26.44	72.61 3.86 0.46	107.98 5.16 3.39	80.98 3.64 2.09	63.71 2.81 1.19	66.93 2.90 1.43	52.38 2.38 0.71	56.93 2.49 1.06	67.67 3.16 2.02	114.96 5.76 3.99	138.37 6.97 1.68	121.00 6.26 2.46	152.07 7.59 2.60	119.26 6.06 4.75	97.17 4.95 3.36	97.44 5.08 3.07
LOWVILLE_115KV_TB2 356335	178.42 5.94 0.00	145.54 5.73 0.00	127.31 4.42 0.00	130.70 4.09 0.00	146.00 5.73 0.00	135.40 4.75 -1.18	66.02 1.74 -3.41	81.65 1.57 -1.32	45.65 0.67 -0.43	68.26 1.16 2.12	93.46 2.95 15.69	71.02 1.28 9.68	57.17 0.59 5.52	60.14 1.29 6.61	47.89 0.46 3.28	51.21 0.61 4.90	58.14 0.95 9.35	98.68 3.97 18.49	131.09 5.78 7.78	110.11 4.31 11.41	134.75 3.36 15.70	97.93 2.00 22.02	80.37 0.38 15.58	81.10 -0.11 14.22
LUTHERFT_115KV_GLOB_FND_222 355753	185.11 12.62 0.00	149.77 9.95 0.00	131.74 8.85 0.00	135.72 9.11 0.00	150.51 10.24 0.00	173.54 9.74 -34.33	203.63 4.74 -138.02	185.82 6.12 -100.94	76.73 3.41 -28.76	73.63 4.88 0.45	109.39 6.55 3.36	81.89 4.55 2.08	64.37 3.45 1.18	67.61 3.57 1.42	52.92 2.92 0.70	57.65 3.20 1.05	68.76 4.24 2.00	117.18 7.95 3.96	140.89 9.47 1.67	123.07 8.32 2.45	154.34 10.13 2.87	121.20 7.97 4.72	98.62 6.38 3.34	98.88 6.50 3.05

LUTHERNY_35_KV_BK2 355980	185.36 12.87 0.00	150.05 10.24 0.00	131.83 8.94 0.00	135.75 9.14 0.00	150.62 10.35 0.00	173.57 9.78 -34.33	203.68 4.79 -138.02	185.88 6.18 -100.94	76.76 3.44 -28.76	73.69 4.94 0.45	109.56 6.72 3.36	81.92 4.57 2.08	64.42 3.51 1.18	67.68 3.64 1.42	52.95 2.96 0.70	57.71 3.26 1.05	68.82 4.30 2.00	117.34 8.10 3.96	141.00 9.59 1.67	123.17 8.41 2.45	154.50 10.29 2.87	121.29 8.06 4.72	98.72 6.48 3.34	99.07 6.69 3.05
LWR___OSWEGATCHIE_HYD 23850	175.83 3.34 0.00	143.03 3.22 0.00	125.22 2.33 0.00	128.79 2.17 0.00	142.96 2.68 0.00	131.95 1.59 -0.89	63.78 0.33 -2.57	79.80 0.04 -0.99	44.75 -0.13 -0.32	67.63 0.05 1.64	95.76 1.68 12.13	73.54 1.60 7.48	58.95 1.12 4.26	61.90 1.54 5.11	48.90 0.73 2.53	52.63 0.92 3.78	60.11 0.80 7.22	101.31 2.40 14.29	130.34 3.26 6.01	110.78 2.39 8.81	137.24 2.29 12.13	102.55 1.61 17.01	84.11 0.58 12.04	84.87 0.43 10.98
LYONS_FALL_HYD 23570	178.25 5.76 0.00	145.07 5.25 0.00	127.12 4.23 0.00	130.68 4.06 0.00	145.60 5.33 0.00	135.15 4.59 -1.09	65.91 1.89 -3.15	82.02 2.04 -1.22	45.98 1.03 -0.39	68.95 1.63 1.90	95.21 3.06 14.05	72.32 1.57 8.67	58.09 0.94 4.94	60.90 1.36 5.92	48.49 0.72 2.94	51.95 0.84 4.39	59.38 1.22 8.37	100.43 3.79 16.55	131.31 5.19 6.96	111.05 4.06 10.22	136.75 3.72 14.06	100.75 2.51 19.71	82.79 1.17 13.95	83.54 0.84 12.73
MADISON___COUNTY_LFGE 323628	176.73 4.24 0.00	143.47 3.65 0.00	126.23 3.34 0.00	130.01 3.40 0.00	144.43 4.16 0.00	135.19 3.86 -1.87	68.14 1.88 -5.39	83.21 2.36 -2.08	46.55 1.32 -0.67	68.08 1.83 2.97	86.59 2.38 21.99	66.89 1.03 13.57	55.00 0.64 7.73	56.79 0.59 9.26	46.54 0.42 4.59	49.07 0.43 6.87	54.31 0.87 13.09	89.95 2.66 25.91	125.68 3.49 10.90	104.03 2.82 15.99	128.25 3.16 22.00	89.48 2.38 30.85	75.28 1.54 21.84	76.87 1.37 19.92
MALONE___115KV_TB1 356076	175.53 3.05 0.00	142.37 2.55 0.00	124.93 2.04 0.00	128.72 2.11 0.00	142.45 2.18 0.00	130.95 1.48 0.00	61.39 0.52 0.00	79.57 0.81 0.00	45.11 0.55 0.00	69.87 1.16 0.51	105.58 3.14 3.76	80.32 3.21 2.32	63.12 2.35 1.32	66.44 2.56 1.59	51.52 1.60 0.79	56.12 1.80 1.17	66.19 1.90 2.24	112.42 3.66 4.43	135.32 4.10 1.86	117.77 3.30 2.73	147.06 3.74 3.76	114.93 2.25 5.27	93.26 1.42 3.73	94.10 2.08 3.40
MAPLEWOD_115KV_TB3 80458	181.48 8.99 0.00	147.06 7.24 0.00	129.44 6.55 0.00	133.33 6.72 0.00	147.81 7.54 0.00	169.99 6.96 -33.57	189.81 3.26 -125.67	166.41 4.20 -83.45	71.18 2.40 -24.23	72.24 3.50 0.47	107.14 4.40 3.46	80.56 3.27 2.13	63.40 2.52 1.22	66.62 2.62 1.46	52.11 2.13 0.72	56.56 2.14 1.08	67.13 2.66 2.06	113.79 4.67 4.08	137.16 5.80 1.71	120.06 5.37 2.52	150.66 6.18 2.61	118.31 5.21 4.85	96.43 4.29 3.43	96.78 4.49 3.14
MAPLE_RIDGE_WT_1 323574	171.02 -1.47 0.00	139.24 -0.57 0.00	122.32 -0.57 0.00	125.85 -0.76 0.00	139.33 -0.94 0.00	128.07 -1.39 0.00	60.09 -0.79 0.00	77.50 -1.26 0.00	43.74 -0.81 0.00	67.97 -0.97 0.27	103.64 -0.54 2.02	77.60 -0.57 1.24	61.02 -0.37 0.71	64.46 -0.15 0.85	50.01 -0.27 0.42	54.56 -0.31 0.63	64.88 -0.45 1.20	110.32 -0.50 2.38	131.45 -0.63 1.00	114.83 -0.91 1.47	143.91 -1.16 2.02	113.77 -1.36 2.83	91.69 -1.89 2.00	91.90 -1.70 1.83
MAPLE_RIDGE_WT_2 323611	171.02 -1.47 0.00	139.24 -0.57 0.00	122.32 -0.57 0.00	125.85 -0.76 0.00	139.33 -0.94 0.00	128.07 -1.39 0.00	60.09 -0.79 0.00	77.50 -1.26 0.00	43.74 -0.81 0.00	67.97 -0.97 0.27	103.64 -0.54 2.02	77.60 -0.57 1.24	61.02 -0.37 0.71	64.46 -0.15 0.85	50.01 -0.27 0.42	54.56 -0.31 0.63	64.88 -0.45 1.20	110.32 -0.50 2.38	131.45 -0.63 1.00	114.83 -0.91 1.47	143.91 -1.16 2.02	113.77 -1.36 2.83	91.69 -1.89 2.00	91.90 -1.70 1.83
MARBLE_RIVER_WT_PWR 323696	171.77 -0.72 0.00	139.38 -0.44 0.00	122.18 -0.71 0.00	126.00 -0.61 0.00	139.59 -0.68 0.00	128.63 -0.84 0.00	60.26 -0.62 0.00	77.99 -0.77 0.00	44.28 -0.28 0.00	68.70 -0.20 0.32	104.46 0.64 2.38	79.14 1.19 1.47	62.02 0.76 0.84	65.42 0.96 1.00	50.64 0.43 0.50	55.31 0.56 0.74	65.59 0.48 1.42	111.76 1.37 2.81	133.17 1.27 1.18	116.32 0.85 1.73	144.87 0.18 2.38	113.78 -0.83 3.34	92.16 -1.05 2.37	93.24 -0.03 2.16
MARSHVLE_115KV_TB1 80742	182.06 9.57 0.00	147.58 7.76 0.00	129.72 6.83 0.00	133.66 7.05 0.00	148.01 7.74 0.00	175.17 7.18 -38.52	211.45 3.38 -147.19	184.08 4.37 -100.95	75.90 2.29 -29.05	71.37 2.89 0.74	103.81 3.08 5.48	78.26 2.21 3.38	61.97 1.81 1.93	65.05 1.90 2.31	50.94 1.38 1.14	55.46 1.67 1.71	66.06 2.80 3.26	113.27 6.52 6.45	138.53 8.16 2.71	120.12 6.90 3.98	150.53 8.68 5.24	116.77 6.50 7.68	95.10 4.96 5.44	95.12 4.66 4.96
MARSH_HILL_WT_PWR 323713	82.43 -16.07 73.99	86.25 -11.78 41.77	85.33 -9.58 27.98	94.29 -9.60 22.72	92.35 -11.24 36.68	52.75 -11.00 65.71	6.59 -5.37 48.91	42.38 -6.93 29.45	39.88 -3.88 0.78	23.31 -6.91 38.99	62.55 -12.02 31.64	50.91 -9.47 19.05	52.85 -7.34 1.91	44.64 -8.41 12.41	38.79 -6.36 5.56	22.24 -6.83 26.42	19.48 -7.24 39.80	16.68 -10.66 85.85	9.85 -11.55 111.68	31.80 -10.60 74.81	-61.92 -11.89 197.12	-19.30 -12.11 125.14	-12.56 -9.83 98.30	21.72 -10.52 63.18
MCINTYRE_115KV_TB2 80467	176.50 4.01 0.00	143.29 3.47 0.00	125.74 2.85 0.00	129.54 2.93 0.00	143.03 2.75 0.00	131.24 1.78 0.00	61.56 0.68 0.00	79.69 0.93 0.00	44.93 0.38 0.00	69.05 0.61 0.77	103.19 2.70 5.72	79.46 3.57 3.53	63.17 3.09 2.01	66.32 3.27 2.41	51.79 2.28 1.19	56.46 2.75 1.78	65.79 2.67 3.40	110.60 4.14 6.74	134.89 4.64 2.83	116.95 3.91 4.16	146.97 5.61 5.72	114.37 4.45 8.02	93.30 3.40 5.68	93.78 3.53 5.18
MECO_____69_KV_BK1 80468	185.69 13.21 0.00	150.36 10.54 0.00	132.15 9.26 0.00	136.11 9.50 0.00	150.84 10.57 0.00	176.48 9.95 -37.07	211.03 4.76 -145.40	188.10 6.11 -103.23	77.29 3.21 -29.53	72.57 3.98 0.63	105.71 4.17 4.66	79.71 3.17 2.87	62.93 2.47 1.64	65.65 2.15 1.96	51.30 1.57 0.97	55.97 1.93 1.45	67.37 3.61 2.77	116.36 8.66 5.49	141.53 10.76 2.31	123.09 9.27 3.39	154.19 11.51 4.40	120.25 8.84 6.53	97.80 6.85 4.63	97.74 6.53 4.22
MENANDS___115KV_TB5 355628	180.69 8.20 0.00	146.51 6.69 0.00	128.98 6.09 0.00	132.87 6.26 0.00	147.28 7.00 0.00	169.40 6.44 -33.50	188.46 2.97 -124.62	164.53 3.82 -81.95	70.59 2.19 -23.85	71.93 3.18 0.47	106.61 3.87 3.47	80.25 2.97 2.14	63.18 2.31 1.22	66.42 2.42 1.46	51.96 1.98 0.72	56.33 1.92 1.08	66.80 2.33 2.06	113.06 3.95 4.08	136.30 4.94 1.72	119.35 4.66 2.52	149.60 5.24 2.72	117.62 4.53 4.86	95.94 3.81 3.44	96.37 4.09 3.14
MG INDUSTRY___DRP 24185	179.92 7.43 0.00	145.92 6.10 0.00	128.43 5.54 0.00	132.30 5.69 0.00	146.65 6.38 0.00	168.14 5.83 -32.84	178.51 2.67 -114.96	150.63 3.36 -68.51	66.76 1.85 -20.35	71.25 2.51 0.48	105.31 2.65 3.55	79.27 2.03 2.19	62.44 1.60 1.25	65.63 1.67 1.50	51.34 1.38 0.74	55.71 1.33 1.11	66.33 1.92 2.11	112.56 3.55 4.18	135.72 4.40 1.76	118.74 4.12 2.58	147.43 4.69 4.34	117.03 4.06 4.98	95.41 3.36 3.53	95.80 3.59 3.22

MID___OSWEGATCHIE_HYD 23849	175.83 3.34 0.00	143.03 3.22 0.00	125.22 2.33 0.00	128.79 2.17 0.00	142.96 2.68 0.00	131.95 1.59 -0.89	63.78 0.33 -2.57	79.80 0.04 -0.99	44.75 -0.13 -0.32	67.63 0.05 1.64	95.76 1.68 12.13	73.54 1.60 7.48	58.95 1.12 4.26	61.90 1.54 5.11	48.90 0.73 2.53	52.63 0.92 3.78	60.11 0.80 7.22	101.31 2.40 14.29	130.34 3.26 6.01	110.78 2.39 8.81	137.24 2.29 12.13	102.55 1.61 17.01	84.11 0.58 12.04	84.87 0.43 10.98
MID___RAQUETTE_HYD 23851	173.65 1.16 0.00	140.96 1.14 0.00	123.66 0.77 0.00	127.37 0.76 0.00	140.53 0.26 0.00	129.02 -0.93 -0.49	61.53 -0.74 -1.40	78.29 -1.01 -0.54	44.10 -0.63 -0.18	67.73 -0.59 0.89	100.62 1.04 6.63	77.61 2.28 4.09	61.70 1.94 2.33	64.83 2.16 2.79	50.64 1.32 1.38	54.99 1.57 2.07	63.70 1.12 3.95	106.78 1.39 7.81	131.27 1.47 3.29	113.48 1.10 4.82	142.60 2.15 6.63	110.45 1.80 9.30	90.17 1.18 6.58	90.78 1.36 6.01
MILLIKEN___1 23584	265.39 -0.19 -93.10	192.33 -0.03 -52.54	158.13 0.05 -35.19	155.13 -0.07 -28.58	186.55 0.15 -46.13	226.20 0.46 -96.27	167.28 0.29 -106.12	139.38 -0.26 -60.35	54.55 0.07 -9.93	111.67 -0.62 -43.08	83.91 -1.86 20.43	61.34 -1.89 16.19	48.45 -1.69 11.96	55.31 -1.91 8.24	44.54 -1.45 4.72	61.63 -1.32 -7.45	66.46 -0.94 -0.88	123.28 -0.59 -10.67	232.49 -0.13 -99.54	151.11 -0.11 -34.03	312.53 -0.46 -165.91	158.95 -0.59 -41.59	137.76 -0.70 -42.89	99.30 -0.77 -4.64
MILLIKEN___2 23585	265.39 -0.19 -93.10	192.33 -0.03 -52.54	158.13 0.05 -35.19	155.13 -0.07 -28.58	186.55 0.15 -46.13	226.20 0.46 -96.27	167.28 0.29 -106.12	139.38 0.26 -60.35	54.55 0.07 -9.93	111.67 -0.62 -43.08	83.91 -1.86 20.43	61.34 -1.89 16.19	48.45 -1.69 11.96	55.31 -1.91 8.24	44.54 -1.45 4.72	61.63 -1.32 -7.45	66.46 -0.94 -0.88	123.28 -0.59 -10.67	232.49 -0.13 -99.54	151.11 -0.11 -34.03	312.53 -0.46 -165.91	158.95 -0.59 -41.59	137.76 -0.70 -42.89	99.30 -0.77 -4.64
MILLIKEN___DIESEL 23629	265.39 -0.19 -93.10	192.33 -0.03 -52.54	158.13 0.05 -35.19	155.13 -0.07 -28.58	186.55 0.15 -46.13	226.20 0.46 -96.27	167.28 0.29 -106.12	139.38 0.26 -60.35	54.55 0.07 -9.93	111.67 -0.62 -43.08	83.91 -1.86 20.43	61.34 -1.89 16.19	48.45 -1.69 11.96	55.31 -1.91 8.24	44.54 -1.45 4.72	61.63 -1.32 -7.45	66.46 -0.94 -0.88	123.28 -0.59 -10.67	232.49 -0.13 -99.54	151.11 -0.11 -34.03	312.53 -0.46 -165.91	158.95 -0.59 -41.59	137.76 -0.70 -42.89	99.30 -0.77 -4.64
MILLSEAT___LFGE 323607	133.97 -14.21 24.31	115.24 -10.70 13.87	104.28 -9.32 9.29	109.30 -9.76 7.55	117.39 -10.70 12.18	100.64 -9.48 19.34	47.83 -4.95 8.10	66.20 -6.96 5.60	40.93 -3.96 -0.33	44.80 -6.48 17.94	47.11 -10.88 48.22	42.34 -8.61 28.47	38.67 -6.88 16.54	37.35 -7.49 20.61	34.57 -6.07 10.06	30.91 -6.78 17.81	28.12 -7.91 30.50	38.78 -11.75 62.66	68.76 -12.93 51.38	59.91 -11.35 45.95	39.60 -13.21 94.26	24.99 -10.81 82.15	25.26 -8.39 61.92	39.74 -8.35 47.34
MILLWOOD_138_KV_38W41_REV_LBMP_H 345005	183.67 11.18 0.00	148.43 8.61 0.00	130.61 7.72 0.00	134.62 8.01 0.00	149.00 8.73 0.00	164.90 8.32 -27.12	152.61 4.08 -87.65	128.65 5.25 -44.64	61.31 3.01 -13.75	72.76 4.18 0.64	106.62 5.16 4.74	80.05 3.55 2.92	63.33 2.90 1.66	66.42 2.96 2.00	52.34 2.63 0.99	56.75 2.73 1.48	66.81 3.10 2.82	113.20 5.58 5.58	137.56 6.82 2.35	119.79 6.03 3.45	149.65 7.31 4.74	117.34 6.03 6.64	95.59 4.72 4.70	95.78 4.65 4.29
MILLWOOD_13_KV_LOAD 356217	183.90 11.41 0.00	148.64 8.82 0.00	130.81 7.91 0.00	134.79 8.18 0.00	149.19 8.92 0.00	165.10 8.52 -27.12	152.70 4.17 -87.65	128.75 5.35 -44.64	61.36 3.07 -13.75	72.83 4.25 0.64	106.75 5.29 4.74	80.13 3.63 2.92	63.38 2.95 1.66	66.48 3.01 2.00	52.39 2.68 0.99	56.81 2.79 1.48	66.89 3.18 2.82	113.38 5.77 5.58	137.76 7.02 2.35	119.97 6.21 3.45	149.87 7.53 4.74	117.51 6.20 6.64	95.72 4.85 4.70	95.89 4.75 4.29
MODEL_CITY_ENERGY 24167	125.93 -20.08 26.48	109.23 -15.35 15.23	99.37 -13.32 10.20	104.42 -13.91 8.29	111.59 -15.31 13.37	94.31 -13.69 21.47	44.20 -7.09 9.58	62.51 -9.83 6.42	39.17 -5.60 -0.22	41.45 -8.75 19.01	43.25 -14.15 48.80	39.67 -11.09 28.66	36.66 -8.56 16.88	35.38 -9.14 20.94	33.10 -7.39 10.21	29.10 -8.32 18.08	25.72 -10.09 30.72	33.79 -16.12 63.28	60.80 -18.24 54.04	54.27 -15.88 47.06	30.00 -18.58 98.50	19.43 -14.98 83.54	20.61 -11.61 63.36	36.07 -11.54 47.81
MODERN_LFGE___ 323580	125.93 -20.08 26.48	109.23 -15.35 15.23	99.37 -13.32 10.20	104.42 -13.91 8.29	111.59 -15.31 13.37	94.31 -13.69 21.47	44.20 -7.09 9.58	62.51 -9.83 6.42	39.17 -5.60 -0.22	41.45 -8.75 19.01	43.25 -14.15 48.80	39.67 -11.09 28.66	36.66 -8.56 16.88	35.38 -9.14 20.94	33.10 -7.39 10.21	29.10 -8.32 18.08	25.72 -10.09 30.72	33.79 -16.12 63.28	60.80 -18.24 54.04	54.27 -15.88 47.06	30.00 -18.58 98.50	19.43 -14.98 83.54	20.61 -11.61 63.36	36.07 -11.54 47.81
MOHAWK_PAPER___DRP 24187	181.48 8.99 0.00	147.06 7.24 0.00	129.44 6.55 0.00	133.33 6.72 0.00	147.81 7.54 0.00	169.99 6.96 -33.57	189.81 3.26 -125.67	166.41 4.20 -83.45	71.18 2.40 -24.23	72.24 3.50 0.47	107.14 4.40 3.46	80.56 3.27 2.13	63.40 2.52 1.22	66.62 2.62 1.46	52.11 2.13 0.72	56.56 2.14 1.08	67.13 2.66 2.06	113.79 4.67 4.08	137.16 5.80 1.71	120.06 5.37 2.52	150.66 6.18 2.61	118.31 5.21 4.85	96.43 4.29 3.43	96.78 4.49 3.14
MOHICAN___35_KV_115KV_LD 80490	188.96 16.47 0.00	152.66 12.84 0.00	134.41 11.52 0.00	138.46 11.85 0.00	153.75 13.48 0.00	176.67 12.85 -34.36	205.59 6.36 -138.36	188.37 8.24 -101.38	77.97 4.54 -28.88	75.34 6.58 0.45	111.79 8.94 3.36	83.59 6.24 2.08	65.62 4.71 1.18	68.84 4.80 1.42	53.89 3.89 0.70	58.76 4.31 1.05	70.32 5.79 2.00	120.09 10.86 3.96	144.29 12.87 1.67	126.05 11.28 2.45	157.89 13.70 2.89	123.77 10.54 4.72	100.69 8.46 3.34	100.99 8.62 3.05
MONGAUP___HYD 23641	184.54 12.05 0.00	149.19 9.37 0.00	131.17 8.27 0.00	135.12 8.51 0.00	149.70 9.43 0.00	163.32 8.92 -24.94	145.83 4.35 -80.60	124.97 5.18 -41.03	59.90 2.71 -12.64	71.84 3.32 0.69	104.81 3.73 5.13	78.52 2.26 3.16	62.04 1.75 1.80	65.06 1.76 2.16	51.28 1.65 1.07	55.64 1.75 1.60	66.08 2.61 3.05	113.26 6.11 6.04	138.59 8.04 2.54	120.63 7.15 3.73	150.66 8.71 5.13	117.75 6.99 7.19	95.94 5.45 5.09	96.10 5.32 4.64
MONTAUK___DIESEL 23721	184.80 12.31 0.00	150.43 10.61 0.00	132.24 9.35 0.00	136.53 9.92 0.00	151.01 10.74 0.00	167.66 10.93 -27.27	154.81 5.79 -88.15	130.69 7.04 -44.89	62.09 3.71 -13.82	74.17 5.60 0.63	110.64 9.15 4.71	83.17 6.65 2.91	65.45 5.01 1.66	68.34 4.86 1.98	53.63 3.91 0.98	58.78 4.75 1.47	69.38 5.66 2.81	120.26 10.92 3.86	143.74 13.00 2.33	128.17 11.30 0.33	157.41 12.13 1.80	127.35 9.36 -0.03	96.91 6.01 4.68	96.94 5.78 4.27
MOONROAD_115KV_HARTFLD_TB1-2 355988	124.95 -12.47 35.07	109.47 -10.51 19.84	100.16 -9.44 13.29	106.38 -9.44 10.79	112.35 -10.51 17.41	90.45 -10.25 28.76	40.23 -5.37 15.28	61.48 -7.30 9.99	40.54 -3.97 0.05	39.43 -6.75 23.03	47.42 -10.48 48.31	43.35 -8.05 28.03	39.57 -6.35 16.17	37.89 -6.86 20.71	35.35 -5.31 10.04	30.26 -5.97 19.27	27.61 -7.18 31.74	36.59 -10.45 66.16	57.55 -11.84 63.69	56.04 -9.96 51.20	19.27 -12.45 115.35	18.20 -10.08 89.67	18.38 -8.45 68.74	37.17 -8.71 49.55

MORRIS_RIDGE___SOLAR 323848	108.59 -15.15 48.75	100.65 -11.63 27.54	94.87 -9.58 18.44	101.83 -9.80 14.98	104.88 -11.22 24.18	77.60 -10.47 41.39	29.52 -5.36 25.99	55.49 -7.10 16.17	38.01 -4.20 2.35	28.66 -7.26 33.30	24.41 -12.49 69.30	31.94 -9.75 37.73	25.48 -7.58 29.04	26.19 -8.28 30.99	29.17 -6.39 15.14	27.40 -6.59 21.50	25.16 -7.33 34.03	30.14 -11.04 72.01	40.56 -12.42 80.10	47.31 -11.07 58.83	-10.48 -13.69 143.87	5.16 -11.85 100.94	6.02 -9.77 79.79	32.03 -9.88 53.51
MORTIMER_115KV_TB3 55949	142.75 -12.00 17.74	120.69 -9.10 10.02	108.24 -7.94 6.71	112.85 -8.31 5.45	122.44 -9.03 8.80	108.03 -8.14 13.29	53.07 -4.11 3.70	70.11 -5.62 3.03	42.20 -3.11 -0.76	49.43 -5.32 14.46	51.70 -8.86 45.64	45.19 -6.72 27.51	41.59 -5.45 15.06	40.33 -5.85 19.28	36.72 -4.55 9.43	33.57 -4.98 16.95	30.80 -5.93 29.80	43.45 -9.09 60.66	79.14 -10.30 43.65	65.51 -9.02 42.68	54.71 -10.99 81.39	31.24 -8.97 77.74	30.86 -7.13 57.58	42.47 -6.99 45.97
MOTTHAVN_138_KV_9M4_REV_LBMP_J 345006	184.57 12.08 0.00	149.20 9.38 0.00	131.31 8.42 0.00	135.37 8.76 0.00	149.75 9.48 0.00	165.75 9.00 -27.28	153.49 4.43 -88.18	129.40 5.74 -44.90	61.70 3.32 -13.83	73.22 4.64 0.63	107.35 5.86 4.71	80.61 4.09 2.91	63.76 3.33 1.66	66.87 3.39 1.98	52.72 3.01 0.98	57.12 3.09 1.47	67.17 3.45 2.80	113.72 6.07 5.55	138.09 7.34 2.33	120.24 6.45 3.42	150.22 7.84 4.71	117.84 6.50 6.60	95.95 5.05 4.67	96.12 4.96 4.27
MUNSVILLE_WIND_PWR 323609	226.49 7.36 -46.64	174.02 7.88 -26.32	147.55 7.02 -17.63	148.47 7.54 -14.32	173.94 10.56 -23.11	193.57 10.07 -54.04	139.04 5.00 -73.17	127.24 6.69 -41.78	56.91 3.88 -8.47	95.78 5.23 -21.34	93.25 6.41 19.37	69.15 3.50 13.78	55.27 2.30 9.13	59.58 2.08 7.96	48.01 1.57 4.26	58.19 1.89 -0.81	64.79 3.41 5.14	115.55 8.06 5.70	188.21 9.91 -45.22	135.75 8.32 -10.23	230.54 9.70 -73.75	133.05 7.41 -7.68	113.28 5.51 -12.19	94.67 5.41 6.17
N SALMON___HYD 24042	175.53 3.04 0.00	142.38 2.57 0.00	124.92 2.03 0.00	128.72 2.11 0.00	142.46 2.19 0.00	131.02 1.55 0.00	61.41 0.53 0.00	79.59 0.83 0.00	45.11 0.56 0.00	69.87 1.16 0.51	105.58 3.13 3.76	80.31 3.21 2.32	63.12 2.35 1.32	66.44 2.56 1.59	51.52 1.60 0.79	56.12 1.80 1.17	66.19 1.90 2.24	112.42 3.66 4.43	135.32 4.10 1.86	117.77 3.30 2.73	147.06 3.74 3.76	114.91 2.23 5.27	93.26 1.42 3.73	94.08 2.07 3.40
N.AKRON__115KV_KNAPP 355671	132.23 -15.32 24.94	113.97 -11.61 14.24	103.20 -10.15 9.54	108.24 -10.62 7.74	116.20 -11.57 12.50	99.29 -10.26 19.92	46.99 -5.37 8.52	65.32 -7.58 5.85	40.60 -4.25 -0.30	43.94 -7.01 18.26	45.97 -11.82 48.41	41.62 -9.26 28.54	38.05 -7.39 16.65	36.81 -7.93 20.72	34.24 -6.35 10.11	30.62 -6.99 17.89	27.64 -8.32 30.57	37.63 -12.71 62.85	66.52 -14.43 52.13	58.49 -12.45 46.26	36.89 -14.69 95.50	23.48 -11.90 82.57	24.08 -9.17 62.33	38.89 -9.06 47.47
N.BELMOR_69_KV_BK1 55787	186.57 14.08 0.00	151.27 11.45 0.00	133.01 10.12 0.00	137.16 10.54 0.00	151.70 11.43 0.00	167.65 10.92 -27.27	154.38 5.36 -88.15	130.36 6.71 -44.89	62.13 3.75 -13.82	73.81 5.23 0.63	108.26 6.77 4.71	81.38 4.86 2.91	64.22 3.78 1.66	67.37 3.90 1.98	53.13 3.41 0.98	57.61 3.58 1.47	67.96 4.23 2.81	117.27 7.94 3.86	140.45 9.70 2.33	125.50 8.63 0.33	155.74 10.46 1.80	126.57 8.59 -0.03	97.40 6.50 4.68	97.53 6.37 4.27
N.E_GEN_SANDY PD 24062	180.60 10.29 2.18	147.72 7.90 0.00	130.04 7.15 0.00	133.95 7.34 0.00	148.51 8.24 0.00	171.81 7.90 -34.44	192.92 3.83 -128.21	155.98 4.93 -72.29	80.74 2.81 -33.37	89.13 3.99 -15.92	109.96 5.23 1.47	80.63 3.65 2.44	65.68 2.93 -0.66	69.29 3.04 -0.79	58.01 2.57 -4.74	63.95 2.65 -5.80	76.27 3.15 -6.59	153.90 5.60 -35.11	171.11 6.80 -31.23	154.58 6.14 -31.23	168.54 7.49 -13.97	118.40 5.99 5.55	103.04 4.88 -2.59	119.69 4.94 -19.33
N.HEMPST_138_KV_BK345_REV_LBMP_G 345014	183.28 10.80 0.00	148.09 8.28 0.00	130.33 7.43 0.00	134.33 7.72 0.00	148.66 8.39 0.00	163.79 8.01 -26.31	149.85 3.93 -85.05	127.08 5.02 -43.30	60.75 2.86 -13.33	72.49 3.94 0.66	106.12 4.79 4.88	79.70 3.28 3.01	63.03 2.66 1.72	66.14 2.74 2.06	52.14 2.46 1.02	56.55 2.58 1.52	66.57 2.95 2.91	112.78 5.34 5.75	137.15 6.49 2.42	119.34 5.69 3.55	149.18 6.98 4.88	116.84 5.74 6.85	95.24 4.52 4.85	95.37 4.37 4.42
N.QUEENS_27_KV_LOAD 356247	184.99 12.50 0.00	149.75 9.93 0.00	131.66 8.76 -0.01	135.80 9.18 -0.01	150.26 9.98 -0.01	166.22 9.47 -27.29	153.69 4.63 -88.18	129.50 5.84 -44.90	61.76 3.37 -13.83	73.28 4.71 0.64	107.40 5.90 4.71	80.68 4.16 2.90	63.80 3.37 1.66	66.93 3.45 1.98	52.85 3.12 0.98	57.18 3.15 1.47	67.22 3.50 2.80	113.79 6.14 5.55	138.40 7.65 2.33	120.64 6.86 3.42	150.72 8.34 4.71	118.35 7.01 6.60	96.53 5.63 4.67	96.61 5.45 4.27
N.TROY___115KV_TB1 355778	182.36 9.87 0.00	147.54 7.72 0.00	129.88 6.99 0.00	133.79 7.18 0.00	148.37 8.10 0.00	170.93 7.71 -33.76	195.87 3.69 -131.30	175.51 4.75 -92.00	73.67 2.68 -26.44	72.61 3.85 0.46	108.01 5.19 3.39	80.98 3.65 2.09	63.71 2.81 1.19	66.95 2.92 1.43	52.38 2.38 0.71	56.93 2.49 1.06	67.66 3.15 2.02	114.96 5.75 3.99	138.39 6.98 1.68	121.00 6.26 2.46	152.09 7.61 2.60	119.28 6.08 4.75	97.18 4.97 3.36	97.46 5.10 3.07
NARROWS_GT1_1 24228	296.58 13.47 -110.61	150.35 10.52 -0.01	132.25 9.35 -0.01	136.42 9.80 -0.01	150.93 10.65 -0.01	166.83 10.08 -27.29	268.99 5.01 -203.10	176.18 6.47 -90.95	110.44 3.82 -62.06	139.48 5.39 -64.88	262.39 6.84 -149.35	308.94 4.87 -224.65	314.52 3.96 -248.47	301.45 4.07 -231.92	306.24 3.58 -251.95	310.53 3.72 -251.31	181.22 4.11 -110.59	411.38 7.04 -291.15	632.22 8.54 -490.59	722.48 7.46 -597.81	604.76 9.06 -448.62	342.80 7.39 -217.46	307.78 5.84 -206.36	105.21 5.70 -4.09
NARROWS_GT1_2 24229	296.58 13.47 -110.61	150.35 10.52 -0.01	132.25 9.35 -0.01	136.42 9.80 -0.01	150.93 10.65 -0.01	166.83 10.08 -27.29	268.99 5.01 -203.10	176.18 6.47 -90.95	110.44 3.82 -62.06	139.48 5.39 -64.88	262.39 6.84 -149.35	308.94 4.87 -224.65	314.52 3.96 -248.47	301.45 4.07 -231.92	306.24 3.58 -251.95	310.53 3.72 -251.31	181.22 4.11 -110.59	411.38 7.04 -291.15	632.22 8.54 -490.59	722.48 7.46 -597.81	604.76 9.06 -448.62	342.80 7.39 -217.46	307.78 5.84 -206.36	105.21 5.70 -4.09
NARROWS_GT1_3 24230	296.58 13.47 -110.61	150.35 10.52 -0.01	132.25 9.35 -0.01	136.42 9.80 -0.01	150.93 10.65 -0.01	166.83 10.08 -27.29	268.99 5.01 -203.10	176.18 6.47 -90.95	110.44 3.82 -62.06	139.48 5.39 -64.88	262.39 6.84 -149.35	308.94 4.87 -224.65	314.52 3.96 -248.47	301.45 4.07 -231.92	306.24 3.58 -251.95	310.53 3.72 -251.31	181.22 4.11 -110.59	411.38 7.04 -291.15	632.22 8.54 -490.59	722.48 7.46 -597.81	604.76 9.06 -448.62	342.80 7.39 -217.46	307.78 5.84 -206.36	105.21 5.70 -4.09
NARROWS_GT1_4 24231	296.58 13.47 -110.61	150.35 10.52 -0.01	132.25 9.35 -0.01	136.42 9.80 -0.01	150.93 10.65 -0.01	166.83 10.08 -27.29	268.99 5.01 -203.10	176.18 6.47 -90.95	110.44 3.82 -62.06	139.48 5.39 -64.88	262.39 6.84 -149.35	308.94 4.87 -224.65	314.52 3.96 -248.47	301.45 4.07 -231.92	306.24 3.58 -251.95	310.53 3.72 -251.31	181.22 4.11 -110.59	411.38 7.04 -291.15	632.22 8.54 -490.59	722.48 7.46 -597.81	604.76 9.06 -448.62	342.80 7.39 -217.46	307.78 5.84 -206.36	105.21 5.70 -4.09

NARROWS_GT1_5 24232	296.58 13.47 -110.61	150.35 10.52 -0.01	132.25 9.35 -0.01	136.42 9.80 -0.01	150.93 10.65 -0.01	166.83 10.08 -27.29	268.99 5.01 -203.10	176.18 6.47 -90.95	110.44 3.82 -62.06	139.48 5.39 -64.88	262.39 6.84 -149.35	308.94 4.87 -224.65	314.52 3.96 -248.47	301.45 4.07 -231.92	306.24 3.58 -251.95	310.53 3.72 -251.31	181.22 4.11 -110.59	411.38 7.04 -291.15	632.22 8.54 -490.59	722.48 7.46 -597.81	604.76 9.06 -448.62	342.80 7.39 -217.46	307.78 5.84 -206.36	105.21 5.70 -4.09
NARROWS_GT1_6 24233	296.58 13.47 -110.61	150.35 10.52 -0.01	132.25 9.35 -0.01	136.42 9.80 -0.01	150.93 10.65 -0.01	166.83 10.08 -27.29	268.99 5.01 -203.10	176.18 6.47 -90.95	110.44 3.82 -62.06	139.48 5.39 -64.88	262.39 6.84 -149.35	308.94 4.87 -224.65	314.52 3.96 -248.47	301.45 4.07 -231.92	306.24 3.58 -251.95	310.53 3.72 -251.31	181.22 4.11 -110.59	411.38 7.04 -291.15	632.22 8.54 -490.59	722.48 7.46 -597.81	604.76 9.06 -448.62	342.80 7.39 -217.46	307.78 5.84 -206.36	105.21 5.70 -4.09
NARROWS_GT1_7 24234	296.58 13.47 -110.61	150.35 10.52 -0.01	132.25 9.35 -0.01	136.42 9.80 -0.01	150.93 10.65 -0.01	166.83 10.08 -27.29	268.99 5.01 -203.10	176.18 6.47 -90.95	110.44 3.82 -62.06	139.48 5.39 -64.88	262.39 6.84 -149.35	308.94 4.87 -224.65	314.52 3.96 -248.47	301.45 4.07 -231.92	306.24 3.58 -251.95	310.53 3.72 -251.31	181.22 4.11 -110.59	411.38 7.04 -291.15	632.22 8.54 -490.59	722.48 7.46 -597.81	604.76 9.06 -448.62	342.80 7.39 -217.46	307.78 5.84 -206.36	105.21 5.70 -4.09
NARROWS_GT1_8 24235	296.58 13.47 -110.61	150.35 10.52 -0.01	132.25 9.35 -0.01	136.42 9.80 -0.01	150.93 10.65 -0.01	166.83 10.08 -27.29	268.99 5.01 -203.10	176.18 6.47 -90.95	110.44 3.82 -62.06	139.48 5.39 -64.88	262.39 6.84 -149.35	308.94 4.87 -224.65	314.52 3.96 -248.47	301.45 4.07 -231.92	306.24 3.58 -251.95	310.53 3.72 -251.31	181.22 4.11 -110.59	411.38 7.04 -291.15	632.22 8.54 -490.59	722.48 7.46 -597.81	604.76 9.06 -448.62	342.80 7.39 -217.46	307.78 5.84 -206.36	105.21 5.70 -4.09
NARROWS_GT2_1 24236	296.58 13.47 -110.61	150.35 10.52 -0.01	132.25 9.35 -0.01	136.42 9.80 -0.01	150.93 10.65 -0.01	166.83 10.08 -27.29	268.99 5.01 -203.10	176.18 6.47 -90.95	110.44 3.82 -62.06	139.48 5.39 -64.88	262.39 6.84 -149.35	308.94 4.87 -224.65	314.52 3.96 -248.47	301.45 4.07 -231.92	306.24 3.58 -251.95	310.53 3.72 -251.31	181.22 4.11 -110.59	298.33 7.04 -178.10	319.68 8.54 -178.05	326.81 7.46 -202.14	405.27 9.06 -249.12	316.20 7.39 -190.86	307.78 5.84 -206.36	105.21 5.70 -4.09
NARROWS_GT2_2 24237	296.58 13.47 -110.61	150.35 10.52 -0.01	132.25 9.35 -0.01	136.42 9.80 -0.01	150.93 10.65 -0.01	166.83 10.08 -27.29	268.99 5.01 -203.10	176.18 6.47 -90.95	110.44 3.82 -62.06	139.48 5.39 -64.88	262.39 6.84 -149.35	308.94 4.87 -224.65	314.52 3.96 -248.47	301.45 4.07 -231.92	306.24 3.58 -251.95	310.53 3.72 -251.31	181.22 4.11 -110.59	298.33 7.04 -178.10	319.68 8.54 -178.05	326.81 7.46 -202.14	405.27 9.06 -249.12	316.20 7.39 -190.86	307.78 5.84 -206.36	105.21 5.70 -4.09
NARROWS_GT2_3 24238	296.58 13.47 -110.61	150.35 10.52 -0.01	132.25 9.35 -0.01	136.42 9.80 -0.01	150.93 10.65 -0.01	166.83 10.08 -27.29	268.99 5.01 -203.10	176.18 6.47 -90.95	110.44 3.82 -62.06	139.48 5.39 -64.88	262.39 6.84 -149.35	308.94 4.87 -224.65	314.52 3.96 -248.47	301.45 4.07 -231.92	306.24 3.58 -251.95	310.53 3.72 -251.31	181.22 4.11 -110.59	298.33 7.04 -178.10	319.68 8.54 -178.05	326.81 7.46 -202.14	405.27 9.06 -249.12	316.20 7.39 -190.86	307.78 5.84 -206.36	105.21 5.70 -4.09
NARROWS_GT2_4 24239	296.58 13.47 -110.61	150.35 10.52 -0.01	132.25 9.35 -0.01	136.42 9.80 -0.01	150.93 10.65 -0.01	166.83 10.08 -27.29	268.99 5.01 -203.10	176.18 6.47 -90.95	110.44 3.82 -62.06	139.48 5.39 -64.88	262.39 6.84 -149.35	308.94 4.87 -224.65	314.52 3.96 -248.47	301.45 4.07 -231.92	306.24 3.58 -251.95	310.53 3.72 -251.31	181.22 4.11 -110.59	298.33 7.04 -178.10	319.68 8.54 -178.05	326.81 7.46 -202.14	405.27 9.06 -249.12	316.20 7.39 -190.86	307.78 5.84 -206.36	105.21 5.70 -4.09
NARROWS_GT2_5 24240	296.58 13.47 -110.61	150.35 10.52 -0.01	132.25 9.35 -0.01	136.42 9.80 -0.01	150.93 10.65 -0.01	166.83 10.08 -27.29	268.99 5.01 -203.10	176.18 6.47 -90.95	110.44 3.82 -62.06	139.48 5.39 -64.88	262.39 6.84 -149.35	308.94 4.87 -224.65	314.52 3.96 -248.47	301.45 4.07 -231.92	306.24 3.58 -251.95	310.53 3.72 -251.31	181.22 4.11 -110.59	298.33 7.04 -178.10	319.68 8.54 -178.05	326.81 7.46 -202.14	405.27 9.06 -249.12	316.20 7.39 -190.86	307.78 5.84 -206.36	105.21 5.70 -4.09
NARROWS_GT2_6 24241	296.58 13.47 -110.61	150.35 10.52 -0.01	132.25 9.35 -0.01	136.42 9.80 -0.01	150.93 10.65 -0.01	166.83 10.08 -27.29	268.99 5.01 -203.10	176.18 6.47 -90.95	110.44 3.82 -62.06	139.48 5.39 -64.88	262.39 6.84 -149.35	308.94 4.87 -224.65	314.52 3.96 -248.47	301.45 4.07 -231.92	306.24 3.58 -251.95	310.53 3.72 -251.31	181.22 4.11 -110.59	298.33 7.04 -178.10	319.68 8.54 -178.05	326.81 7.46 -202.14	405.27 9.06 -249.12	316.20 7.39 -190.86	307.78 5.84 -206.36	105.21 5.70 -4.09
NARROWS_GT2_7 24242	296.58 13.47 -110.61	150.35 10.52 -0.01	132.25 9.35 -0.01	136.42 9.80 -0.01	150.93 10.65 -0.01	166.83 10.08 -27.29	268.99 5.01 -203.10	176.18 6.47 -90.95	110.44 3.82 -62.06	139.48 5.39 -64.88	262.39 6.84 -149.35	308.94 4.87 -224.65	314.52 3.96 -248.47	301.45 4.07 -231.92	306.24 3.58 -251.95	310.53 3.72 -251.31	181.22 4.11 -110.59	298.33 7.04 -178.10	319.68 8.54 -178.05	326.81 7.46 -202.14	405.27 9.06 -249.12	316.20 7.39 -190.86	307.78 5.84 -206.36	105.21 5.70 -4.09
NARROWS_GT2_8 24243	296.58 13.47 -110.61	150.35 10.52 -0.01	132.25 9.35 -0.01	136.42 9.80 -0.01	150.93 10.65 -0.01	166.83 10.08 -27.29	268.99 5.01 -203.10	176.18 6.47 -90.95	110.44 3.82 -62.06	139.48 5.39 -64.88	262.39 6.84 -149.35	308.94 4.87 -224.65	314.52 3.96 -248.47	301.45 4.07 -231.92	306.24 3.58 -251.95	310.53 3.72 -251.31	181.22 4.11 -110.59	298.33 7.04 -178.10	319.68 8.54 -178.05	326.81 7.46 -202.14	405.27 9.06 -249.12	316.20 7.39 -190.86	307.78 5.84 -206.36	105.21 5.70 -4.09
NCATSKLL_69_KV_NC-LINE_REV_LBMP_G 345022	185.55 13.06 0.00	150.51 10.69 0.00	132.47 9.58 0.00	136.46 9.85 0.00	151.33 11.06 0.00	171.26 9.98 -31.82	176.53 4.54 -111.12	150.47 5.74 -65.97	67.27 3.11 -19.61	72.88 4.17 0.51	107.33 4.90 3.77	80.66 3.56 2.33	63.46 2.69 1.33	66.63 2.76 1.59	52.11 2.20 0.79	56.64 2.32 1.18	67.63 3.35 2.25	115.67 6.92 4.44	140.03 8.82 1.87	122.52 8.06 2.74	151.75 9.30 4.64	120.26 7.60 5.29	98.03 6.20 3.75	98.42 6.41 3.42
NCHELSEA_115KV_TR2 355582	185.29 12.80 0.00	149.77 9.95 0.00	131.74 8.84 0.00	135.74 9.13 0.00	150.31 10.04 0.00	166.32 9.57 -27.29	153.84 4.68 -88.29	129.83 6.03 -45.05	61.81 3.39 -13.86	73.33 4.75 0.63	107.44 5.95 4.71	80.63 4.11 2.91	63.73 3.29 1.66	66.87 3.40 1.98	52.65 2.93 0.98	57.18 3.16 1.47	67.49 3.77 2.81	114.52 6.88 5.55	139.14 8.39 2.33	121.20 7.42 3.42	151.35 8.98 4.71	118.60 7.25 6.60	96.61 5.71 4.68	96.73 5.57 4.27
NEG CAPITAL___MECHNVIL 23645	185.29 12.80 0.00	149.85 10.04 0.00	131.87 8.98 0.00	135.83 9.22 0.00	150.66 10.39 0.00	173.51 9.89 -34.15	201.83 4.79 -136.16	183.48 6.19 -98.53	76.16 3.47 -28.13	73.76 5.00 0.45	109.56 6.72 3.37	82.05 4.70 2.08	64.49 3.59 1.18	67.73 3.69 1.42	53.01 3.01 0.70	57.72 3.27 1.05	68.84 4.32 2.00	117.28 8.05 3.97	141.04 9.63 1.67	123.23 8.47 2.45	154.65 10.36 2.79	121.34 8.11 4.72	98.74 6.51 3.34	98.96 6.58 3.05

NEG CENTRAL_HIGH_ACRES 23767	146.57 -12.94 12.98	122.51 -9.98 7.32	109.32 -8.66 4.90	113.55 -9.08 3.98	123.97 -9.87 6.43	111.76 -8.95 8.76	56.88 -4.37 -0.38	72.18 -5.91 0.66	42.30 -3.29 -1.04	51.51 -5.57 12.13	52.07 -9.04 45.09	45.19 -6.89 27.35	41.36 -5.60 15.13	40.43 -6.00 19.03	36.67 -4.69 9.34	34.30 -5.14 16.05	31.79 -5.97 28.77	45.61 -9.42 58.17	84.75 -10.62 37.72	68.08 -9.40 39.73	64.24 -11.59 71.24	35.17 -9.48 73.29	34.18 -7.66 53.74	43.71 -7.49 44.22
NEG CENTRAL___DRP 24199	146.17 -6.06 20.26	123.61 -4.78 11.43	111.08 -4.15 7.66	115.97 -4.42 6.22	125.48 -4.75 10.04	110.01 -3.92 15.53	53.77 -1.67 5.44	72.49 -2.19 4.08	44.02 -1.33 -0.80	51.05 -2.74 15.43	57.74 -4.99 43.48	49.06 -4.07 26.29	45.11 -3.31 13.67	43.55 -3.64 18.26	39.04 -2.76 8.90	35.51 -2.83 17.16	33.82 -2.88 29.83	48.13 -4.10 60.96	82.33 -4.43 46.33	69.78 -3.82 43.60	56.26 -4.98 85.85	34.82 -4.26 78.88	33.33 -3.59 58.65	45.63 -3.70 46.09
NEG CENTRAL___INDECK 23768	120.93 -7.21 44.35	109.55 -5.23 25.04	101.85 -4.27 16.77	108.59 -4.40 13.62	113.36 -4.92 21.99	87.11 -4.54 37.81	34.29 -2.42 24.17	60.46 -3.18 15.13	43.50 -1.98 -0.92	40.06 -4.87 24.28	68.42 -8.88 28.91	53.99 -6.91 18.52	54.13 -5.52 2.44	48.24 -6.08 11.14	40.82 -4.75 5.13	29.24 -5.06 21.19	27.46 -4.98 34.08	35.44 -6.07 71.69	51.78 -5.85 75.45	54.69 -5.19 57.33	5.62 -6.31 135.15	12.93 -5.94 99.08	15.13 -4.87 75.57	36.89 -5.11 53.43
NEG CENTRAL___SENECA 23627	127.13 -7.22 38.14	112.68 -5.61 21.52	103.57 -4.90 14.42	109.65 -5.25 11.71	115.75 -5.62 18.90	92.36 -4.61 32.49	38.21 -1.87 20.80	63.31 -2.41 13.04	42.88 -1.47 0.20	42.00 -3.07 24.15	55.95 -5.77 44.48	48.29 -4.75 26.39	45.51 -3.83 12.75	42.52 -4.26 18.68	38.47 -3.25 8.98	31.65 -3.35 20.50	29.53 -3.36 33.65	38.46 -4.50 70.23	59.69 -4.92 68.48	58.36 -4.25 54.59	17.82 -5.45 123.80	17.74 -4.76 95.46	18.62 -4.05 72.91	38.73 -4.16 52.54
NEG CENTRAL___STATE_STREET 24147	180.18 -3.04 -10.73	143.52 -2.35 -6.06	124.99 -1.95 -4.06	127.73 -2.18 -3.29	143.02 -2.56 -5.32	142.11 -1.79 -14.44	83.19 -0.78 -23.09	89.87 -1.35 -12.46	46.57 -0.84 -2.85	67.36 -1.85 0.00	62.77 -3.22 40.21	51.52 -2.70 25.21	44.95 -2.42 14.72	45.95 -2.61 16.90	40.29 -1.97 8.45	42.76 -1.83 10.91	42.44 -1.73 22.36	67.25 -2.73 43.21	123.45 -2.41 7.22	91.62 -2.08 23.51	125.58 -2.88 18.62	67.34 -2.49 48.13	60.91 -2.14 32.52	59.59 -2.21 33.63
NEG MILLWOOD___DRP 24198	186.12 13.64 0.00	150.41 10.59 0.00	132.33 9.44 0.00	136.37 9.76 0.00	151.02 10.75 0.00	167.27 10.26 -27.55	154.95 4.99 -89.08	130.65 6.48 -45.41	62.21 3.68 -13.98	73.76 5.17 0.63	108.13 6.59 4.66	81.09 4.54 2.88	64.10 3.65 1.64	67.23 3.73 1.96	52.93 3.20 0.97	57.44 3.40 1.46	67.76 4.01 2.78	115.00 7.30 5.49	139.68 8.90 2.31	121.71 7.89 3.39	151.96 9.54 4.66	119.13 7.71 6.54	97.00 6.05 4.63	97.10 5.90 4.22
NEG NORTH_FLCN_SEA 23793	174.00 1.52 0.00	141.30 1.48 0.00	123.98 1.09 0.00	127.91 1.29 0.00	141.74 1.47 0.00	130.61 1.15 0.00	61.00 0.13 0.00	78.73 -0.04 0.00	44.68 0.12 0.00	69.21 0.32 0.33	104.91 1.13 2.43	79.71 1.79 1.50	62.40 1.16 0.86	65.84 1.41 1.02	51.06 0.86 0.51	55.76 1.02 0.76	66.18 1.10 1.45	112.83 2.50 2.87	134.51 2.64 1.21	117.46 2.03 1.77	146.13 1.48 2.43	114.70 0.16 3.41	92.91 -0.25 2.42	94.37 1.14 2.20
NEG NORTH_KES_CHATEGAY 23792	172.08 -0.40 0.00	139.66 -0.16 0.00	122.42 -0.47 0.00	126.24 -0.37 0.00	139.79 -0.48 0.00	128.68 -0.78 0.00	60.29 -0.58 0.00	78.10 -0.66 0.00	44.31 -0.25 0.00	68.69 -0.15 0.38	104.38 0.97 2.79	79.01 1.30 1.72	61.96 0.85 0.98	65.32 1.04 1.17	50.60 0.48 0.58	55.29 0.66 0.87	65.48 0.61 1.66	111.60 1.69 3.28	133.35 1.65 1.38	116.36 1.18 2.03	144.94 0.64 2.79	113.62 -0.42 3.91	92.16 -0.64 2.77	93.17 0.27 2.53
NEG NORTH___ALICE_FALLS 23915	174.82 2.33 0.00	141.89 2.07 0.00	124.49 1.60 0.00	128.42 1.81 0.00	142.25 1.98 0.00	131.13 1.66 0.00	61.34 0.46 0.00	79.28 0.52 0.00	44.98 0.43 0.00	69.61 0.73 0.34	105.54 1.83 2.49	80.25 2.36 1.54	62.75 1.54 0.88	66.21 1.80 1.05	51.32 1.14 0.52	56.03 1.31 0.78	66.52 1.48 1.48	113.52 3.25 2.93	135.43 3.58 1.23	118.21 2.82 1.81	147.15 2.56 2.49	115.47 1.01 3.49	93.52 0.42 2.47	94.76 1.59 2.25
NEG NORTH___LWR_SARANAC 23913	174.82 2.33 0.00	141.89 2.07 0.00	124.49 1.60 0.00	128.42 1.81 0.00	142.25 1.98 0.00	131.13 1.66 0.00	61.34 0.46 0.00	79.28 0.52 0.00	44.98 0.43 0.00	69.61 0.73 0.34	105.54 1.83 2.49	80.25 2.36 1.54	62.75 1.54 0.88	66.21 1.80 1.05	51.32 1.14 0.52	56.03 1.31 0.78	66.52 1.48 1.48	113.52 3.25 2.93	135.43 3.58 1.23	118.21 2.82 1.81	147.15 2.56 2.49	115.47 1.01 3.49	93.52 0.42 2.47	94.76 1.59 2.25
NEG NORTH___PLATTSBURG 23628	174.82 2.33 0.00	141.89 2.08 0.00	124.48 1.59 0.00	128.42 1.81 0.00	142.25 1.98 0.00	131.17 1.71 0.00	61.35 0.48 0.00	79.29 0.53 0.00	44.98 0.43 0.00	69.61 0.73 0.34	105.54 1.83 2.49	80.25 2.36 1.54	62.76 1.53 0.88	66.21 1.80 1.05	51.32 1.13 0.52	56.03 1.31 0.78	66.53 1.48 1.48	113.52 3.26 2.93	135.43 3.58 1.23	118.21 2.82 1.81	147.15 2.56 2.49	115.47 1.01 3.49	93.52 0.42 2.47	94.75 1.58 2.25
NEG WEST_LEA_LOCKPORT 23791	127.14 -18.98 26.37	110.30 -14.47 15.04	100.19 -12.63 10.07	105.24 -13.19 8.18	112.64 -14.42 13.20	95.31 -12.98 21.18	44.69 -6.71 9.47	62.95 -9.38 6.43	39.53 -5.23 -0.20	41.71 -8.46 19.04	43.15 -14.05 49.00	39.90 -10.77 28.75	36.62 -8.50 16.97	35.40 -9.04 21.01	33.26 -7.20 10.25	29.46 -7.95 18.08	26.10 -9.70 30.73	34.55 -15.33 63.32	61.65 -17.66 53.77	54.99 -15.25 46.96	30.68 -18.08 98.32	19.81 -14.57 83.57	21.05 -11.26 63.27	36.61 -11.05 47.77
NEG WEST___LANCASTER 23811	129.58 -9.24 33.68	113.85 -6.89 19.07	103.97 -6.14 12.77	109.81 -6.42 10.37	116.73 -6.79 16.74	95.90 -6.11 27.45	43.33 -3.54 14.01	64.47 -5.05 9.24	41.73 -2.85 -0.03	42.13 -4.72 22.37	49.23 -8.54 48.43	44.85 -6.46 28.11	40.50 -5.20 16.39	39.19 -5.49 20.78	36.26 -4.35 10.09	31.85 -4.65 18.99	29.41 -5.71 31.42	38.81 -9.01 65.38	61.04 -10.07 61.97	58.29 -8.59 50.32	24.47 -10.25 112.35	21.32 -8.33 88.30	21.62 -6.34 67.61	40.35 -6.06 49.01
NEG_PENN_ALLEGHNY 23528	154.93 -2.64 14.93	129.29 -2.10 8.43	115.47 -1.78 5.64	120.12 -1.91 4.58	131.00 -1.88 7.40	122.41 -1.70 5.36	76.18 -0.81 -16.11	85.52 -1.02 -7.78	47.78 -0.57 -3.80	59.13 -1.39 8.69	72.49 -2.80 30.91	58.54 -2.36 18.53	50.21 -1.84 10.04	50.33 -2.07 13.07	42.82 -1.51 6.37	41.88 -1.69 11.93	44.11 -1.81 20.61	68.51 -2.47 42.22	97.37 -2.72 33.00	84.37 -2.37 30.46	82.59 -3.50 60.99	60.24 -2.80 54.91	52.17 -2.40 41.01	61.23 -2.30 31.89
NEG___GEN_MONROE 24207	143.28 -11.11 18.10	121.16 -8.42 10.23	108.70 -7.33 6.85	113.37 -7.67 5.57	122.97 -8.32 8.99	108.42 -7.42 13.62	53.14 -3.80 3.94	70.34 -5.24 3.18	42.35 -2.95 -0.75	49.45 -5.14 14.62	51.78 -8.82 45.61	45.15 -6.80 27.48	41.54 -5.52 15.03	40.23 -5.96 19.27	36.61 -4.67 9.42	33.40 -5.09 17.00	30.73 -5.96 29.84	43.63 -8.80 60.77	79.17 -9.84 44.07	65.79 -8.56 42.86	54.66 -10.34 82.09	31.48 -8.49 77.98	31.06 -6.70 57.81	42.80 -6.58 46.04

NEPA__ENERGY 23901	124.21 -14.43 33.85	109.23 -11.45 19.14	100.04 -10.04 12.82	105.68 -10.52 10.41	112.09 -11.38 16.80	91.35 -10.59 27.52	41.52 -5.36 14.00	62.41 -7.22 9.13	40.54 -4.01 0.00	39.86 -6.85 22.51	46.44 -10.99 48.77	42.73 -8.44 28.25	38.86 -6.60 16.63	37.34 -7.17 20.95	34.98 -5.55 10.17	30.32 -6.19 18.99	27.72 -7.43 31.38	36.12 -11.74 65.33	57.45 -13.55 62.09	55.26 -11.62 50.32	19.65 -14.82 112.61	17.99 -11.65 88.31	18.52 -9.42 67.64	37.28 -9.20 48.95
NEVERSink__HYD 23608	182.86 10.37 0.00	147.56 7.74 0.00	129.75 6.86 0.00	133.70 7.09 0.00	148.09 7.82 0.00	161.76 7.52 -24.77	145.14 3.71 -80.55	125.15 4.82 -41.57	59.98 2.66 -12.76	72.01 3.49 0.70	105.01 3.96 5.15	78.73 2.49 3.18	62.23 1.95 1.81	65.23 1.94 2.17	51.39 1.77 1.08	55.88 1.99 1.61	66.07 2.61 3.07	112.40 5.28 6.07	137.11 6.58 2.55	119.24 5.78 3.75	148.95 7.02 5.15	116.30 5.57 7.23	94.74 4.28 5.12	94.83 4.08 4.67
NEWKRMKL_115KV_TB1 55635	180.14 7.65 0.00	146.21 6.39 0.00	128.70 5.81 0.00	132.57 5.96 0.00	146.93 6.66 0.00	168.96 5.99 -33.51	187.49 2.73 -123.89	162.98 3.50 -80.72	70.10 2.02 -23.53	71.71 2.96 0.47	106.14 3.40 3.46	79.99 2.70 2.14	62.98 2.10 1.22	66.20 2.20 1.46	51.78 1.80 0.72	56.10 1.69 1.08	66.54 2.07 2.06	112.49 3.37 4.08	135.67 4.30 1.72	118.88 4.19 2.52	147.85 4.41 3.64	117.11 4.02 4.86	95.56 3.42 3.44	96.07 3.78 3.14
NEWTON__FALLS_HYD 23847	175.83 3.34 0.00	143.03 3.22 0.00	125.22 2.33 0.00	128.79 2.17 0.00	142.96 2.68 0.00	131.95 1.59 -0.89	63.78 0.33 -2.57	79.80 0.04 -0.99	44.75 -0.13 -0.32	67.63 0.05 1.64	95.76 1.68 12.13	73.54 1.60 7.48	58.95 1.12 4.26	61.90 1.54 5.11	48.90 0.73 2.53	52.63 0.92 3.78	60.11 0.80 7.22	101.31 2.40 14.29	130.34 3.26 6.01	110.78 2.39 8.81	137.24 2.29 12.13	102.55 1.61 17.01	84.11 0.58 12.04	84.87 0.43 10.98
NGRID_A1_DSASP 323792	123.55 -21.73 27.21	107.88 -16.58 15.35	98.04 -14.57 10.28	102.98 -15.28 8.35	110.09 -16.70 13.48	92.79 -15.01 21.66	43.32 -7.68 9.88	61.44 -10.54 6.78	38.79 -5.95 -0.18	40.36 -9.39 19.47	42.12 -15.11 48.98	39.26 -11.48 28.69	36.17 -9.00 16.92	34.88 -9.60 20.98	32.80 -7.67 10.23	28.65 -8.65 18.19	25.00 -10.72 30.81	32.69 -16.94 63.58	58.45 -20.11 54.52	52.63 -17.31 47.26	27.08 -20.09 99.91	17.78 -16.02 84.16	19.38 -12.50 63.69	35.37 -12.22 47.84
NGRID_A2_DSASP 323793	123.55 -21.73 27.21	107.88 -16.58 15.35	98.04 -14.57 10.28	102.98 -15.28 8.35	110.09 -16.70 13.48	92.79 -15.01 21.66	43.32 -7.68 9.88	61.44 -10.54 6.78	38.79 -5.95 -0.18	40.36 -9.39 19.47	42.12 -15.11 48.98	39.26 -11.48 28.69	36.17 -9.00 16.92	34.88 -9.60 20.98	32.80 -7.67 10.23	28.65 -8.65 18.19	25.00 -10.72 30.81	32.69 -16.94 63.58	58.45 -20.11 54.52	52.63 -17.31 47.26	27.08 -20.09 99.91	17.78 -16.02 84.16	19.38 -12.50 63.69	35.37 -12.22 47.84
NGRID_A4_DSASP 323807	123.55 -21.73 27.21	107.88 -16.58 15.35	98.04 -14.57 10.28	102.98 -15.28 8.35	110.09 -16.70 13.48	92.79 -15.01 21.66	43.32 -7.68 9.88	61.44 -10.54 6.78	38.79 -5.95 -0.18	40.36 -9.39 19.47	42.12 -15.11 48.98	39.26 -11.48 28.69	36.17 -9.00 16.92	34.88 -9.60 20.98	32.80 -7.67 10.23	28.65 -8.65 18.19	25.00 -10.72 30.81	32.69 -16.94 63.58	58.45 -20.11 54.52	52.63 -17.31 47.26	27.08 -20.09 99.91	17.78 -16.02 84.16	19.38 -12.50 63.69	35.37 -12.22 47.84
NIAGARA_115E_LBMP 323715	124.93 -20.80 26.76	108.40 -15.97 15.44	98.70 -13.85 10.34	103.76 -14.45 8.40	110.79 -15.93 13.56	93.46 -14.21 21.80	43.74 -7.36 9.78	62.05 -10.20 6.51	38.92 -5.83 -0.20	41.04 -9.03 19.14	42.78 -14.57 48.85	39.28 -11.47 28.68	36.40 -8.79 16.90	35.12 -9.36 20.98	32.89 -7.59 10.23	28.83 -8.56 18.11	25.39 -10.39 30.74	33.12 -16.73 63.35	59.72 -18.93 54.42	53.51 -16.47 47.22	28.79 -19.24 99.04	18.76 -15.49 83.70	20.03 -12.00 63.55	35.58 -11.96 47.88
NIAGARA_115W_LBMP 323714	123.44 -21.91 27.14	107.78 -16.73 15.31	97.93 -14.71 10.25	102.84 -15.45 8.33	109.93 -16.90 13.44	92.75 -15.13 21.58	43.32 -7.72 9.83	61.38 -10.63 6.75	38.74 -6.00 -0.18	40.31 -9.47 19.44	42.03 -15.21 48.96	39.16 -11.59 28.68	36.12 -9.06 16.91	34.83 -9.65 20.97	32.75 -7.72 10.22	28.60 -8.71 18.19	24.92 -10.80 30.81	32.55 -17.09 63.56	58.37 -20.28 54.43	52.52 -17.46 47.22	27.06 -20.24 99.78	17.70 -16.14 84.12	19.34 -12.59 63.65	35.27 -12.34 47.82
NIAGARA_230_LBMP 323716	125.39 -20.61 26.49	109.34 -15.59 14.89	99.37 -13.55 9.97	104.32 -14.19 8.10	111.66 -15.54 13.07	94.34 -14.20 20.91	44.22 -7.30 9.35	62.22 -10.04 6.50	39.22 -5.55 -0.22	41.12 -8.97 19.12	42.86 -14.52 48.82	39.95 -10.83 28.63	36.63 -8.63 16.84	35.37 -9.20 20.89	33.23 -7.28 10.19	29.17 -8.22 18.10	25.63 -10.17 30.73	33.65 -16.19 63.35	60.80 -18.67 53.61	54.06 -16.28 46.87	29.32 -19.27 98.50	18.84 -15.43 83.68	20.35 -12.03 63.19	36.18 -11.59 47.66
NIAGARA__115KV_198_GIBSON 55903	123.66 -21.69 27.14	107.81 -16.71 15.31	97.91 -14.73 10.25	102.85 -15.43 8.33	110.11 -16.72 13.44	92.96 -14.92 21.58	43.38 -7.67 9.83	61.44 -10.57 6.75	38.76 -5.98 -0.18	40.26 -9.52 19.44	41.72 -15.52 48.96	38.88 -11.87 28.68	35.89 -9.29 16.91	34.66 -9.82 20.97	32.69 -7.79 10.22	28.60 -8.71 18.19	24.99 -10.73 30.81	32.58 -17.06 63.56	58.45 -20.20 54.43	52.61 -17.38 47.22	26.90 -20.39 99.78	17.53 -16.31 84.12	19.26 -12.67 63.65	35.21 -12.40 47.82
NIAGARA____ 23760	125.23 -20.61 26.66	109.10 -15.59 15.12	99.20 -13.55 10.14	104.18 -14.19 8.25	111.47 -15.54 13.26	94.02 -14.20 21.24	44.09 -7.30 9.49	62.18 -10.04 6.53	39.22 -5.55 -0.21	41.09 -8.97 19.15	42.84 -14.52 48.84	39.94 -10.83 28.65	36.61 -8.63 16.85	35.35 -9.20 20.91	33.23 -7.28 10.20	29.16 -8.22 18.11	25.62 -10.17 30.74	33.64 -16.19 63.37	60.57 -18.67 53.83	53.96 -16.28 46.96	29.15 -19.27 98.66	18.79 -15.43 83.72	20.24 -12.03 63.31	36.12 -11.59 47.72
NINE_MILE_1 23575	164.43 -8.06 0.00	133.35 -6.47 0.00	117.24 -5.65 0.00	120.76 -5.86 0.00	133.84 -6.43 0.00	125.82 -5.84 -2.20	64.46 -2.76 -6.35	77.56 -3.66 -2.45	43.31 -2.04 -0.79	57.75 -3.43 8.03	41.30 -5.39 59.50	38.59 -4.12 36.71	37.94 -3.24 20.91	36.99 -3.41 25.06	35.68 -2.60 12.42	34.09 -2.83 18.57	27.74 -3.36 35.43	37.53 -5.56 70.10	97.09 -6.51 29.49	68.21 -5.73 43.27	80.34 -7.21 59.52	28.68 -5.80 83.48	31.71 -4.78 59.09	36.74 -4.78 53.90
NINE_MILE_2 23744	164.43 -8.06 0.00	133.36 -6.46 0.00	117.24 -5.65 0.00	120.77 -5.85 0.00	133.84 -6.43 0.00	125.82 -5.84 -2.20	64.44 -2.76 -6.33	77.55 -3.66 -2.45	43.31 -2.03 -0.79	57.75 -3.41 8.05	41.10 -5.39 59.71	38.46 -4.12 36.84	37.87 -3.24 20.98	36.90 -3.41 25.15	35.65 -2.59 12.46	34.03 -2.83 18.64	27.62 -3.35 35.56	37.29 -5.56 70.35	97.00 -6.49 29.59	68.07 -5.72 43.42	80.15 -7.20 59.73	28.38 -5.80 83.77	31.51 -4.77 59.29	36.55 -4.78 54.09
NM_CAPITAL__DRP 24208	180.36 7.87 0.00	146.26 6.44 0.00	128.81 5.92 0.00	132.70 6.09 0.00	147.08 6.80 0.00	169.09 6.21 -33.42	187.00 2.85 -123.27	162.46 3.66 -80.04	70.01 2.10 -23.35	71.80 3.06 0.47	106.39 3.66 3.47	80.09 2.81 2.14	63.08 2.21 1.22	66.30 2.31 1.46	51.86 1.89 0.72	56.21 1.80 1.08	66.64 2.18 2.06	112.74 3.63 4.09	135.95 4.59 1.72	119.09 4.41 2.52	149.02 4.84 2.90	117.37 4.28 4.87	95.74 3.61 3.45	96.19 3.91 3.14

NM_CENTRAL___DRP 24181	167.24 -5.25 0.00	135.66 -4.16 0.00	119.27 -3.62 0.00	122.78 -3.83 0.00	136.22 -4.05 0.00	128.87 -3.59 -2.99	67.80 -1.71 -8.63	79.78 -2.31 -3.33	44.33 -1.30 -1.08	61.40 -2.34 5.47	61.63 -4.05 40.52	51.19 -3.23 25.00	45.27 -2.58 14.24	45.63 -2.76 17.07	40.17 -2.07 8.46	40.60 -2.25 12.65	39.87 -2.53 24.13	61.61 -3.84 47.74	108.71 -4.29 20.08	83.91 -3.82 29.47	101.52 -5.02 40.54	56.96 -4.14 56.85	51.89 -3.44 40.24	55.17 -3.54 36.71
NM_FRONTIER___DRP 24179	123.66 -21.69 27.14	107.81 -16.71 15.31	97.91 -14.73 10.25	102.85 -15.43 8.33	110.11 -16.72 13.44	92.96 -14.92 21.58	43.38 -7.67 9.83	61.44 -10.57 6.75	38.76 -5.98 -0.18	40.26 -9.52 19.44	41.72 -15.52 48.96	38.88 -11.87 28.68	35.89 -9.29 16.91	34.66 -9.82 20.97	32.69 -7.79 10.22	28.60 -8.71 18.19	24.99 -10.73 30.81	32.58 -17.06 63.56	58.45 -20.20 54.43	52.61 -17.38 47.22	26.90 -20.39 99.78	17.53 -16.31 84.12	19.26 -12.67 63.65	35.21 -12.40 47.82
NM_ST_REGIS___HYD 24053	174.20 1.72 0.00	141.40 1.58 0.00	124.05 1.16 0.00	127.75 1.14 0.00	141.08 0.81 0.00	129.65 -0.26 -0.44	61.74 -0.40 -1.27	78.74 -0.51 -0.49	44.40 -0.31 -0.16	68.30 -0.10 0.81	101.81 1.65 6.04	78.29 2.59 3.73	62.06 2.09 2.12	65.23 2.32 2.54	50.87 1.43 1.26	55.28 1.67 1.89	64.30 1.37 3.60	108.16 2.08 7.11	132.33 2.24 2.99	114.57 1.75 4.39	143.72 2.68 6.04	111.46 1.98 8.47	90.87 1.30 6.00	91.56 1.61 5.47
NORTHPORT___1 23551	185.52 13.03 0.00	151.05 11.24 0.00	132.87 9.98 0.00	137.25 10.64 0.00	151.69 11.42 0.00	167.66 10.93 -27.27	154.40 5.38 -88.15	130.45 6.80 -44.89	62.20 3.83 -13.82	73.99 5.41 0.63	108.83 7.34 4.71	81.67 5.16 2.91	64.36 3.93 1.66	67.55 4.07 1.98	53.29 3.57 0.98	57.70 3.67 1.47	67.88 4.15 2.81	117.26 7.92 3.86	140.33 9.58 2.33	125.53 8.66 0.33	155.85 10.56 1.80	126.68 8.70 -0.03	97.45 6.55 4.68	97.79 6.64 4.27
NORTHPORT___2 23552	185.52 13.03 0.00	151.05 11.24 0.00	132.87 9.98 0.00	137.25 10.64 0.00	151.69 11.42 0.00	167.66 10.93 -27.27	154.40 5.38 -88.15	130.45 6.80 -44.89	62.20 3.83 -13.82	73.99 5.41 0.63	108.83 7.34 4.71	81.67 5.16 2.91	64.36 3.93 1.66	67.55 4.07 1.98	53.29 3.57 0.98	57.70 3.67 1.47	67.88 4.15 2.81	117.26 7.92 3.86	140.33 9.58 2.33	125.53 8.66 0.33	155.85 10.56 1.80	126.68 8.70 -0.03	97.45 6.55 4.68	97.79 6.64 4.27
NORTHPORT___3 23553	184.74 12.25 0.00	150.07 10.26 0.00	132.11 9.22 0.00	136.36 9.75 0.00	150.75 10.48 0.00	166.84 10.10 -27.27	153.98 4.96 -88.15	129.89 6.24 -44.89	61.88 3.51 -13.82	73.46 4.88 0.63	107.89 6.40 4.71	81.00 4.48 2.91	63.90 3.47 1.66	67.01 3.54 1.98	52.86 3.14 0.98	57.32 3.29 1.47	67.53 3.80 2.81	116.63 7.29 3.86	139.56 8.81 2.33	124.83 7.96 0.33	154.96 9.68 1.80	125.89 7.90 -0.03	96.87 5.97 4.68	97.09 5.93 4.27
NORTHPORT___4 23650	184.74 12.25 0.00	150.07 10.26 0.00	132.11 9.22 0.00	136.36 9.75 0.00	150.75 10.48 0.00	166.84 10.10 -27.27	153.98 4.96 -88.15	129.89 6.24 -44.89	61.88 3.51 -13.82	73.46 4.88 0.63	107.89 6.40 4.71	81.00 4.48 2.91	63.90 3.47 1.66	67.01 3.54 1.98	52.86 3.14 0.98	57.32 3.29 1.47	67.53 3.80 2.81	116.63 7.29 3.86	139.56 8.81 2.33	124.83 7.96 0.33	154.96 9.68 1.80	125.89 7.90 -0.03	96.87 5.97 4.68	97.09 5.93 4.27
NORTHPORT___IC 23718	185.50 13.01 0.00	151.07 11.25 0.00	132.88 9.99 0.00	137.25 10.64 0.00	151.70 11.42 0.00	167.64 10.91 -27.27	154.40 5.38 -88.15	130.46 6.81 -44.89	62.21 3.84 -13.82	73.97 5.39 0.63	108.84 7.35 4.71	81.71 5.20 2.91	64.39 3.96 1.66	67.58 4.10 1.98	53.30 3.58 0.98	57.70 3.67 1.47	67.84 4.12 2.81	117.27 7.94 3.86	140.31 9.56 2.33	125.53 8.65 0.33	155.83 10.55 1.80	126.71 8.73 -0.03	97.48 6.58 4.68	97.81 6.66 4.27
NORTH___COUNTRY_ESR 323785	171.48 -1.01 0.00	139.14 -0.68 0.00	121.95 -0.94 0.00	125.79 -0.82 0.00	139.32 -0.95 0.00	128.30 -1.17 0.00	60.11 -0.77 0.00	77.86 -0.90 0.00	44.19 -0.37 0.00	68.56 -0.28 0.38	104.17 0.76 2.80	78.92 1.22 1.73	61.92 0.82 0.98	65.27 0.99 1.18	50.53 0.41 0.58	55.16 0.54 0.87	65.34 0.47 1.67	111.22 1.32 3.29	132.87 1.17 1.39	115.89 0.72 2.03	144.41 0.12 2.80	113.18 -0.85 3.92	91.81 -0.99 2.78	92.85 -0.04 2.53
NPX_GEN_1385_PROXY 323591	74.62 9.31 107.17	149.71 9.90 0.00	131.73 8.84 0.00	137.15 10.53 0.00	151.13 10.86 0.00	168.28 11.55 -27.27	154.04 5.01 -88.15	129.98 6.33 -44.89	50.70 3.78 -2.37	68.85 5.68 6.05	161.15 9.66 -45.29	121.87 6.87 -35.58	65.35 4.91 1.66	68.79 5.31 1.98	54.22 4.50 0.98	58.35 4.32 1.47	67.65 3.93 2.81	117.05 7.72 3.86	139.95 9.20 2.33	125.24 8.37 0.33	156.16 10.87 1.80	126.47 8.49 -0.03	97.10 6.20 4.68	98.14 6.99 4.27
NPX_GEN_CSC 323557	186.84 14.36 0.00	151.97 12.15 0.00	133.61 10.72 0.00	137.92 11.31 0.00	152.48 12.20 0.00	168.53 11.79 -27.27	155.28 6.26 -88.15	131.46 7.81 -44.89	51.14 4.21 -2.37	69.03 5.87 6.05	109.33 7.83 4.71	81.96 5.45 2.91	64.58 4.14 1.66	67.68 4.21 1.98	53.41 3.69 0.98	58.19 4.16 1.47	68.83 5.11 2.81	119.34 10.00 3.86	142.40 11.65 2.33	127.64 10.77 0.33	158.19 12.91 1.80	128.29 10.31 -0.03	98.51 7.61 4.68	98.62 7.46 4.27
NSINS_S___GLNS_FALLS 23858	188.74 16.25 0.00	152.47 12.65 0.00	134.23 11.34 0.00	138.28 11.67 0.00	153.56 13.29 0.00	176.53 12.68 -34.39	205.75 6.27 -138.60	188.58 8.12 -101.70	78.01 4.49 -28.96	75.26 6.50 0.45	111.62 8.78 3.36	83.51 6.16 2.08	65.57 4.66 1.18	68.80 4.76 1.42	53.84 3.84 0.70	58.71 4.26 1.05	70.23 5.71 2.00	119.89 10.66 3.96	144.09 12.67 1.67	125.85 11.09 2.45	157.67 13.49 2.90	123.64 10.41 4.72	100.56 8.32 3.34	100.85 8.47 3.05
NUCOR_STEEL___DRP 24197	181.82 -2.97 -12.30	144.42 -2.33 -6.94	125.66 -1.88 -4.65	128.29 -2.10 -3.78	143.80 -2.56 -6.09	143.49 -1.79 -15.82	84.17 -0.80 -24.09	90.40 -1.42 -13.06	46.58 -0.87 -2.89	68.06 -1.87 -0.72	62.74 -3.15 40.32	51.43 -2.66 25.33	44.85 -2.39 14.85	45.95 -2.56 16.94	40.29 -1.93 8.48	43.02 -1.77 10.71	42.63 -1.70 22.19	67.67 -2.80 42.73	125.24 -2.43 5.42	92.35 -2.11 22.75	128.57 -2.94 15.56	68.40 -2.49 47.07	61.89 -2.14 31.54	59.91 -2.20 33.32
NUMBER_THREE_WT_PWR 323818	178.22 5.73 0.00	145.44 5.62 0.00	127.20 4.31 0.00	130.57 3.96 0.00	145.86 5.59 0.00	135.27 4.61 -1.19	65.96 1.65 -3.44	81.52 1.43 -1.33	45.57 0.58 -0.43	68.12 1.05 2.14	93.16 2.83 15.86	70.81 1.17 9.79	57.04 0.52 5.57	60.00 1.22 6.68	47.79 0.40 3.31	51.11 0.56 4.95	57.95 0.87 9.45	98.37 3.87 18.69	130.87 5.65 7.86	109.86 4.19 11.53	134.35 3.14 15.87	97.48 1.79 22.26	80.03 0.21 15.75	80.74 -0.32 14.37
NYISO_LBMP_REFERENCE 24008	172.49 0.00 0.00	139.82 0.00 0.00	122.89 0.00 0.00	126.61 0.00 0.00	140.27 0.00 0.00	129.46 0.00 0.00	60.88 0.00 0.00	78.76 0.00 0.00	44.55 0.00 0.00	69.21 0.00 0.00	106.20 0.00 0.00	79.43 0.00 0.00	62.09 0.00 0.00	65.46 0.00 0.00	50.70 0.00 0.00	55.50 0.00 0.00	66.53 0.00 0.00	113.20 0.00 0.00	133.08 0.00 0.00	117.21 0.00 0.00	147.08 0.00 0.00	117.95 0.00 0.00	95.58 0.00 0.00	95.42 0.00 0.00

NYPA_BRENTWD____GT 24164	187.74 15.25 0.00	152.69 12.88 0.00	134.26 11.37 0.00	138.56 11.95 0.00	153.25 12.97 0.00	169.10 12.37 -27.27	155.17 6.14 -88.15	131.39 7.74 -44.89	62.68 4.31 -13.82	74.63 6.05 0.63	109.58 8.09 4.71	82.15 5.63 2.91	64.74 4.30 1.66	67.92 4.45 1.98	53.61 3.89 0.98	58.22 4.19 1.47	68.72 5.00 2.81	118.92 9.59 3.86	142.29 11.54 2.33	127.22 10.35 0.33	157.91 12.62 1.80	128.15 10.17 -0.03	98.58 7.69 4.68	98.77 7.61 4.27
NYPA_GOWANUS____GT5 24156	296.58 13.47 -110.61	150.35 10.52 -0.01	132.25 9.35 -0.01	136.42 9.80 -0.01	150.93 10.65 -0.01	166.83 10.08 -27.29	268.99 5.01 -203.10	176.18 6.47 -90.95	110.44 3.82 -62.06	139.48 5.39 -64.88	262.39 6.84 -149.35	308.94 4.87 -224.65	314.52 3.96 -248.47	301.45 4.07 -231.92	306.24 3.58 -251.95	310.53 3.72 -251.31	181.22 4.11 -110.59	411.38 7.04 -291.15	632.22 8.54 -490.59	722.48 7.46 -597.81	604.76 9.06 -448.62	342.80 7.39 -217.46	307.78 5.84 -206.36	105.21 5.70 -4.09
NYPA_GOWANUS____GT6 24157	296.58 13.47 -110.61	150.35 10.52 -0.01	132.25 9.35 -0.01	136.42 9.80 -0.01	150.93 10.65 -0.01	166.83 10.08 -27.29	268.99 5.01 -203.10	176.18 6.47 -90.95	110.44 3.82 -62.06	139.48 5.39 -64.88	262.39 6.84 -149.35	308.94 4.87 -224.65	314.52 3.96 -248.47	301.45 4.07 -231.92	306.24 3.58 -251.95	310.53 3.72 -251.31	181.22 4.11 -110.59	411.38 7.04 -291.15	632.22 8.54 -490.59	722.48 7.46 -597.81	604.76 9.06 -448.62	342.80 7.39 -217.46	307.78 5.84 -206.36	105.21 5.70 -4.09
NYPA_HARLEM__RVR__GT1 24160	184.61 12.12 0.00	149.41 9.60 0.00	131.38 8.48 -0.01	135.52 8.90 -0.01	149.89 9.62 -0.01	165.88 9.13 -27.29	153.54 4.48 -88.18	129.33 5.67 -44.90	61.67 3.29 -13.83	73.15 4.57 0.64	107.14 5.65 4.71	80.48 3.96 2.91	63.63 3.19 1.66	66.77 3.29 1.98	52.72 3.00 0.98	57.08 3.06 1.47	67.12 3.39 2.80	113.57 5.91 5.55	138.07 7.33 2.33	120.33 6.55 3.42	150.34 7.97 4.71	117.93 6.58 6.60	96.21 5.31 4.67	96.28 5.12 4.27
NYPA_HARLEM__RVR__GT2 24161	184.61 12.12 0.00	149.41 9.60 0.00	131.38 8.48 -0.01	135.52 8.90 -0.01	149.89 9.62 -0.01	165.88 9.13 -27.29	153.54 4.48 -88.18	129.33 5.67 -44.90	61.67 3.29 -13.83	73.15 4.57 0.64	107.14 5.65 4.71	80.48 3.96 2.91	63.63 3.19 1.66	66.77 3.29 1.98	52.72 3.00 0.98	57.08 3.06 1.47	67.12 3.39 2.80	113.57 5.91 5.55	138.07 7.33 2.33	120.33 6.55 3.42	150.34 7.97 4.71	117.93 6.58 6.60	96.21 5.31 4.67	96.28 5.12 4.27
NYPA_KENT____GT 24152	252.40 13.17 -66.74	150.10 10.28 0.00	132.06 9.16 -0.01	136.21 9.59 -0.01	150.66 10.38 -0.01	166.59 9.84 -27.29	223.26 4.86 -157.53	157.75 3.70 -72.69	95.06 3.70 -46.80	118.92 5.24 -44.47	201.03 6.58 -88.25	220.78 4.67 -136.68	227.60 3.81 -161.70	219.99 3.89 -150.63	223.40 3.44 -169.26	224.37 3.57 -165.31	136.07 3.93 -65.62	225.71 6.69 -105.83	249.27 8.11 -108.08	246.90 7.09 -122.61	305.11 8.58 -149.46	237.63 7.00 -112.68	223.76 5.52 -122.66	101.59 5.39 -0.78
NYPA_POUCH1____GT 24155	295.82 12.72 -110.61	149.67 9.84 -0.01	131.69 8.79 -0.01	135.81 9.19 -0.01	150.27 9.99 -0.01	166.16 9.41 -27.28	268.71 4.73 -203.10	175.85 6.14 -90.95	110.27 3.66 -62.06	131.51 5.12 -57.17	89.61 6.32 22.92	292.88 4.49 -208.96	314.25 3.69 -248.47	301.21 3.83 -231.92	306.05 3.40 -251.95	310.32 3.51 -251.31	130.82 3.83 -60.46	283.92 6.51 -164.21	266.60 7.94 -125.58	277.68 6.93 -153.54	380.08 8.39 -224.62	312.37 6.83 -187.60	307.39 5.45 -206.36	104.81 5.30 -4.09
NYPA_VERNON____GT2 24162	208.23 12.87 -22.87	149.83 10.01 0.00	131.84 8.94 -0.01	135.99 9.37 -0.01	150.39 10.11 -0.01	166.34 9.59 -27.29	177.55 4.73 -111.94	139.31 6.13 -54.42	79.67 3.57 -31.54	98.33 5.04 -24.07	139.72 6.37 -27.15	132.62 4.48 -48.72	140.68 3.66 -74.92	138.52 3.72 -69.34	140.56 3.29 -86.56	138.22 3.42 -79.31	90.92 3.75 -20.64	153.21 6.45 -33.56	179.01 7.82 -38.11	167.12 6.84 -43.07	205.13 8.27 -49.79	159.20 6.76 -34.49	139.84 5.30 -38.96	98.08 5.19 2.54
NYPA_VERNON____GT3 24163	208.23 12.87 -22.87	149.83 10.01 0.00	131.84 8.94 -0.01	135.99 9.37 -0.01	150.39 10.11 -0.01	166.34 9.59 -27.29	177.55 4.73 -111.94	139.31 6.13 -54.42	79.67 3.57 -31.54	98.33 5.04 -24.07	139.72 6.37 -27.15	132.62 4.48 -48.72	140.68 3.66 -74.92	138.52 3.72 -69.34	140.56 3.29 -86.56	138.22 3.42 -79.31	90.92 3.75 -20.64	153.21 6.45 -33.56	179.01 7.82 -38.11	167.12 6.84 -43.07	205.13 8.27 -49.79	159.20 6.76 -34.49	139.84 5.30 -38.96	98.08 5.19 2.54
NYPA__ASTORIA_CC1 323568	185.12 12.63 0.00	149.67 9.86 0.00	131.70 8.80 -0.01	135.83 9.21 -0.01	150.19 9.91 -0.01	166.14 9.39 -27.29	153.69 4.63 -88.18	129.67 6.01 -44.90	69.73 3.53 -21.65	84.82 4.96 -10.64	107.70 6.21 4.71	85.51 4.38 -1.71	89.13 3.58 -23.46	90.28 3.62 -21.21	88.54 3.22 -34.62	86.16 3.33 -27.33	67.35 3.63 2.80	115.45 6.29 4.04	142.53 7.60 -1.84	125.70 6.62 -1.86	153.04 8.01 2.05	118.24 6.54 6.25	96.06 5.15 4.68	96.18 5.03 4.27
NYPA__ASTORIA_CC2 323569	185.12 12.63 0.00	149.67 9.86 0.00	131.70 8.80 -0.01	135.83 9.21 -0.01	150.19 9.91 -0.01	166.14 9.39 -27.29	153.69 4.63 -88.18	129.67 6.01 -44.90	69.73 3.53 -21.65	84.82 4.96 -10.64	107.70 6.21 4.71	85.51 4.38 -1.71	89.13 3.58 -23.46	90.28 3.62 -21.21	88.54 3.22 -34.62	86.16 3.33 -27.33	67.35 3.63 2.80	115.45 6.29 4.04	142.53 7.60 -1.84	125.70 6.62 -1.86	153.04 8.01 2.05	118.24 6.54 6.25	96.06 5.15 4.68	96.18 5.03 4.27
NYPA__HOLTSVILL 23794	186.66 14.17 0.00	151.84 12.02 0.00	133.51 10.62 0.00	137.79 11.17 0.00	152.35 12.08 0.00	168.35 11.62 -27.27	154.92 5.89 -88.15	131.03 7.39 -44.89	62.43 4.06 -13.82	74.21 5.63 0.63	108.96 7.47 4.71	81.70 5.19 2.91	64.41 3.97 1.66	67.53 4.06 1.98	53.30 3.58 0.98	57.94 3.91 1.47	68.41 4.68 2.81	118.43 9.09 3.86	141.63 10.88 2.33	126.72 9.84 0.33	157.17 11.88 1.80	127.55 9.56 -0.03	98.04 7.14 4.68	98.21 7.05 4.27
NYPA__HELLGATE_GT1 24158	184.61 12.12 0.00	149.41 9.60 0.00	131.38 8.48 -0.01	135.52 8.90 -0.01	149.89 9.62 -0.01	165.88 9.13 -27.29	153.54 4.48 -88.18	129.33 5.67 -44.90	61.67 3.29 -13.83	73.15 4.57 0.64	107.14 5.65 4.71	80.48 3.96 2.91	63.63 3.19 1.66	66.77 3.29 1.98	52.72 3.00 0.98	57.08 3.06 1.47	67.12 3.39 2.80	113.57 5.91 5.55	138.07 7.33 2.33	120.33 6.55 3.42	150.34 7.97 4.71	117.93 6.58 6.60	96.21 5.31 4.67	96.28 5.12 4.27
NYPA__HELLGATE_GT2 24159	184.61 12.12 0.00	149.41 9.60 0.00	131.38 8.48 -0.01	135.52 8.90 -0.01	149.89 9.62 -0.01	165.88 9.13 -27.29	153.54 4.48 -88.18	129.33 5.67 -44.90	61.67 3.29 -13.83	73.15 4.57 0.64	107.14 5.65 4.71	80.48 3.96 2.91	63.63 3.19 1.66	66.77 3.29 1.98	52.72 3.00 0.98	57.08 3.06 1.47	67.12 3.39 2.80	113.57 5.91 5.55	138.07 7.33 2.33	120.33 6.55 3.42	150.34 7.97 4.71	117.93 6.58 6.60	96.21 5.31 4.67	96.28 5.12 4.27
NYS_BARGE__HYD 23848	127.92 -18.67 25.90	110.82 -14.19 14.80	100.63 -12.35 9.91	105.67 -12.89 8.05	113.09 -14.19 13.00	95.95 -12.71 20.80	45.11 -6.60 9.16	63.36 -9.17 6.23	39.60 -5.19 -0.24	42.26 -8.19 18.76	44.09 -13.39 48.72	40.35 -10.44 28.64	37.13 -8.15 16.82	35.87 -8.71 20.88	33.48 -7.04 10.18	29.59 -7.89 18.01	26.29 -9.56 30.67	34.97 -15.08 63.15	62.79 -17.04 53.26	55.64 -14.83 46.74	32.35 -17.35 97.38	20.71 -14.03 83.22	21.72 -10.90 62.96	36.95 -10.81 47.67

OAK ORCHARD___HYD 24046	142.74 -12.01 17.74	120.64 -9.15 10.02	108.24 -7.94 6.71	112.85 -8.31 5.45	122.44 -9.03 8.80	107.98 -8.19 13.29	53.07 -4.11 3.70	70.09 -5.64 3.03	42.20 -3.11 -0.76	49.46 -5.30 14.46	51.91 -8.66 45.64	45.36 -6.55 27.51	41.72 -5.32 15.06	40.47 -5.71 19.28	36.76 -4.50 9.43	33.55 -5.00 16.95	30.78 -5.95 29.80	43.46 -9.08 60.66	79.20 -10.23 43.65	65.52 -9.00 42.68	54.79 -10.90 81.39	31.34 -8.87 77.74	30.90 -7.10 57.58	42.54 -6.92 45.97
OAKDALE___35_KV_LOAD 356122	150.69 -2.91 18.89	126.83 -2.33 10.67	113.76 -1.99 7.14	118.69 -2.12 5.80	128.83 -2.07 9.36	118.33 -1.87 9.27	72.28 -0.90 -12.31	83.24 -1.19 -5.67	47.42 -0.66 -3.53	57.64 -1.48 10.09	71.78 -2.87 31.56	58.21 -2.44 18.78	50.15 -1.89 10.04	50.04 -2.07 13.35	42.69 -1.53 6.48	41.06 -1.71 12.73	43.06 -1.89 21.58	65.98 -2.71 44.50	92.11 -2.99 37.98	81.57 -2.60 33.03	73.87 -3.66 69.54	56.17 -2.94 58.85	48.74 -2.47 44.36	59.52 -2.40 33.50
OCC_CHEM___DRP 24175	123.74 -21.54 27.21	107.94 -16.52 15.35	98.03 -14.58 10.28	103.00 -15.26 8.35	110.23 -16.56 13.48	93.00 -14.80 21.66	43.39 -7.60 9.88	61.49 -10.49 6.78	38.81 -5.92 -0.18	40.31 -9.43 19.47	41.81 -15.42 48.98	38.95 -11.79 28.69	35.94 -9.23 16.92	34.71 -9.76 20.98	32.73 -7.74 10.23	28.67 -8.64 18.19	25.06 -10.65 30.81	32.68 -16.94 63.58	58.56 -20.00 54.52	52.73 -17.22 47.26	26.93 -20.24 99.91	17.60 -16.19 84.16	19.31 -12.58 63.69	35.28 -12.31 47.84
OH_GEN_PROXY 24063	125.87 -20.30 26.32	109.64 -15.37 14.80	99.60 -13.38 9.91	104.60 -13.96 8.05	111.94 -15.34 13.00	94.67 -14.04 20.75	44.52 -7.19 9.16	62.52 -9.86 6.38	27.92 -5.44 11.18	36.04 -8.81 24.37	43.51 -14.28 48.41	40.34 -10.65 28.44	37.02 -8.47 16.60	35.73 -9.03 20.69	33.47 -7.14 10.09	29.37 -8.07 18.05	25.90 -9.95 30.67	34.10 -15.88 63.21	61.43 -18.26 53.39	54.55 -15.92 46.74	30.06 -18.94 98.07	19.29 -15.21 83.45	20.69 -11.88 63.00	36.40 -11.46 47.56
OLIN_CORP_DRP 24177	124.81 -20.47 27.21	108.44 -15.74 15.64	98.67 -13.74 10.47	103.77 -14.33 8.51	110.89 -15.65 13.73	93.34 -14.01 22.10	43.61 -7.22 10.04	61.94 -10.12 6.71	39.07 -5.67 -0.18	40.78 -9.06 19.38	42.41 -14.88 48.92	39.27 -11.48 28.68	36.22 -8.95 16.92	34.99 -9.47 21.00	32.88 -7.59 10.24	28.92 -8.41 18.17	25.43 -10.30 30.79	33.15 -16.55 63.50	59.06 -19.15 54.87	53.36 -16.44 47.41	27.67 -19.49 99.92	18.34 -15.58 84.03	19.77 -11.99 63.81	35.65 -11.83 47.95
OLIN_CORP_DSASP 323712	123.55 -21.73 27.21	107.88 -16.58 15.35	98.04 -14.57 10.28	102.98 -15.28 8.35	110.09 -16.70 13.48	92.79 -15.01 21.66	43.32 -7.68 9.88	61.44 -10.54 6.78	38.79 -5.95 -0.18	40.36 -9.39 19.47	42.12 -15.11 48.98	39.26 -11.48 28.69	36.17 -9.00 16.92	34.88 -9.60 20.98	32.80 -7.67 10.23	28.65 -8.65 18.19	25.00 -10.72 30.81	32.69 -16.94 63.58	58.45 -20.11 54.52	52.63 -17.31 47.26	27.08 -20.09 99.91	17.78 -16.02 84.16	19.38 -12.50 63.69	35.37 -12.22 47.84
ONEIDA_HERK_LFGE 323681	178.23 5.74 0.00	144.87 5.05 0.00	127.08 4.19 0.00	130.73 4.12 0.00	145.43 5.16 0.00	135.01 4.54 -1.00	65.76 2.01 -2.88	82.20 2.32 -1.11	46.15 1.24 -0.36	69.39 1.89 1.71	96.65 3.13 12.68	73.37 1.77 7.82	58.78 1.15 4.46	61.57 1.45 5.34	48.95 0.90 2.65	52.54 1.00 3.96	60.40 1.42 7.55	101.98 3.72 14.94	131.73 4.93 6.28	111.96 3.97 9.22	138.40 4.00 12.68	103.02 2.86 17.79	84.65 1.67 12.59	85.33 1.39 11.48
ONEIDA___115KV_TB4 55905	176.73 4.24 0.00	143.47 3.65 0.00	126.23 3.34 0.00	130.01 3.40 0.00	144.43 4.16 0.00	135.19 3.86 -1.87	68.14 1.88 -5.39	83.21 2.36 -2.08	46.55 1.32 -0.67	68.08 1.83 2.97	86.59 2.38 21.99	66.89 1.03 13.57	55.00 0.64 7.73	56.79 0.59 9.26	46.54 0.42 4.59	49.07 0.43 6.87	54.31 0.87 13.09	89.95 2.66 25.91	125.68 3.49 10.90	104.03 2.82 15.99	128.25 3.16 22.00	89.48 2.38 30.85	75.28 1.54 21.84	76.87 1.37 19.92
ONONDAGA_REF_OCCRA 23987	177.50 -3.69 -8.70	141.82 -2.90 -4.91	123.64 -2.54 -3.29	126.56 -2.73 -2.67	141.78 -2.81 -4.31	139.00 -2.46 -12.00	79.35 -1.15 -19.62	87.71 -1.58 -10.52	46.10 -0.90 -2.45	66.45 -1.77 1.00	63.75 -3.20 39.25	52.23 -2.65 24.54	45.69 -2.13 14.28	46.66 -2.30 16.51	40.75 -1.72 8.24	42.74 -1.84 10.92	42.48 -1.96 22.09	67.53 -2.80 42.86	120.88 -3.05 9.15	90.61 -2.70 23.89	121.66 -3.68 21.74	66.54 -3.07 48.35	59.98 -2.63 32.97	59.44 -2.69 33.29
ONONDAGA___COGEN 23986	169.09 -3.39 0.00	137.15 -2.67 0.00	120.55 -2.34 0.00	124.06 -2.56 0.00	137.63 -2.64 0.00	130.60 -2.24 -3.37	70.75 -1.07 -10.94	82.79 -1.51 -5.54	45.41 -0.87 -1.73	61.74 -1.72 5.75	60.57 -3.02 42.61	50.65 -2.48 26.29	45.09 -2.03 14.98	45.34 -2.17 17.95	40.17 -1.64 8.90	40.50 -1.70 13.30	39.37 -1.79 25.38	60.39 -2.60 50.20	109.17 -2.79 21.12	83.75 -2.47 30.99	101.03 -3.42 42.63	55.30 -2.87 59.78	50.78 -2.48 42.31	54.25 -2.58 38.60
ONTARIO___LFGE 23819	127.07 -7.28 38.14	112.63 -5.67 21.52	103.57 -4.90 14.42	109.67 -5.24 11.71	115.73 -5.64 18.90	92.28 -4.70 32.49	38.18 -1.90 20.80	63.28 -2.45 13.04	42.87 -1.48 0.20	41.95 -3.11 24.15	55.96 -5.75 44.48	48.33 -4.72 26.39	45.56 -3.79 12.75	42.54 -4.24 18.68	38.49 -3.23 8.98	31.63 -3.36 20.50	29.50 -3.38 33.65	38.44 -4.53 70.23	59.64 -4.96 68.48	58.34 -4.28 54.59	17.66 -5.62 123.80	17.63 -4.87 95.46	18.53 -4.14 72.91	38.74 -4.15 52.54
ORANGEVILLE_WT_PWR 323706	114.32 -16.76 41.41	103.61 -12.82 23.39	96.56 -10.66 15.67	102.90 -10.98 12.72	107.20 -12.53 20.54	83.24 -11.57 34.66	34.43 -6.01 20.43	57.72 -8.15 12.89	38.51 -4.62 1.42	33.04 -7.72 28.45	31.51 -13.04 61.66	35.08 -10.06 34.29	29.77 -7.87 24.46	29.74 -8.48 27.23	30.76 -6.65 13.29	28.03 -7.11 20.35	25.38 -8.25 32.90	31.52 -12.61 69.06	47.41 -14.31 71.36	49.76 -12.60 54.85	2.88 -15.40 128.81	9.77 -13.05 95.13	10.70 -10.66 74.21	33.15 -10.75 51.53
ORANGEVILLE___ESR 323794	114.32 -16.76 41.41	103.61 -12.82 23.39	96.56 -10.66 15.67	102.90 -10.98 12.72	107.20 -12.53 20.54	83.24 -11.57 34.66	34.43 -6.01 20.43	57.72 -8.15 12.89	38.51 -4.62 1.42	33.04 -7.72 28.45	31.51 -13.04 61.66	35.08 -10.06 34.29	29.77 -7.87 24.46	29.74 -8.48 27.23	30.76 -6.65 13.29	28.03 -7.11 20.35	25.38 -8.25 32.90	31.52 -12.61 69.06	47.41 -14.31 71.36	49.76 -12.60 54.85	2.88 -15.40 128.81	9.77 -13.05 95.13	10.70 -10.66 74.21	33.15 -10.75 51.53
OSWEGATCHIE___HYD 24044	175.82 3.33 0.00	143.02 3.20 0.00	125.23 2.34 0.00	128.78 2.17 0.00	142.97 2.70 0.00	131.97 1.61 -0.89	63.78 0.33 -2.57	79.81 0.05 -0.99	44.76 -0.12 -0.32	67.65 0.07 1.64	95.76 1.68 12.13	73.55 1.61 7.48	58.95 1.12 4.26	61.89 1.54 5.11	48.90 0.73 2.53	52.63 0.92 3.78	60.10 0.80 7.22	101.32 2.41 14.29	130.34 3.26 6.01	110.78 2.39 8.81	137.26 2.31 12.13	102.54 1.61 17.01	84.12 0.59 12.04	84.88 0.43 10.98
OSWEGO___5 23606	165.66 -6.83 0.00	134.37 -5.44 0.00	118.12 -4.77 0.00	121.65 -4.96 0.00	134.85 -5.43 0.00	127.02 -4.89 -2.45	65.61 -2.32 -7.06	78.39 -3.10 -2.73	43.71 -1.72 -0.88	58.88 -2.95 7.38	46.77 -4.71 54.73	42.02 -3.64 33.77	40.00 -2.86 19.23	39.40 -3.01 23.05	36.97 -2.31 11.42	35.90 -2.52 17.08	31.02 -2.93 32.58	43.89 -4.83 64.47	100.41 -5.55 27.12	72.52 -4.90 39.79	86.16 -6.18 54.74	36.21 -4.97 76.77	37.13 -4.11 54.34	41.74 -4.12 49.57

OSWEGO___6 23613	165.66 -6.83 0.00	134.37 -5.44 0.00	118.12 -4.77 0.00	121.65 -4.96 0.00	134.85 -5.43 0.00	127.02 -4.89 -2.45	65.61 -2.32 -7.06	78.39 -3.10 -2.73	43.71 -1.72 -0.88	58.88 -2.95 7.38	46.77 -4.71 54.73	42.02 -3.64 33.77	40.00 -2.86 19.23	39.40 -3.01 23.05	36.97 -2.31 11.42	35.90 -2.52 17.08	31.02 -2.93 32.58	43.89 -4.83 64.47	100.41 -5.55 27.12	72.52 -4.90 39.79	86.16 -6.18 54.74	36.21 -4.97 76.77	37.13 -4.11 54.34	41.74 -4.12 49.57
OUTOKUMPU-AB___DRP 24206	126.87 -17.46 28.16	110.56 -13.29 15.97	100.48 -11.71 10.70	105.68 -12.24 8.69	112.90 -13.35 14.02	94.90 -11.93 22.64	44.08 -6.20 10.59	62.94 -8.67 7.15	39.85 -4.84 -0.13	41.44 -7.84 19.93	44.01 -13.02 49.17	40.64 -10.04 28.75	37.17 -7.90 17.02	35.96 -8.39 21.10	33.74 -6.68 10.28	29.78 -7.39 18.32	26.55 -9.05 30.92	35.11 -14.21 63.88	60.88 -16.48 55.72	55.19 -14.24 47.78	28.53 -16.76 101.79	19.65 -13.49 84.80	20.73 -10.49 64.35	37.01 -10.33 48.08
OXBOW___BTM 323836	124.42 -20.37 27.69	108.63 -15.52 15.66	98.76 -13.64 10.49	103.81 -14.27 8.52	110.86 -15.66 13.75	93.23 -14.08 22.15	43.44 -7.20 10.24	61.85 -9.94 6.97	39.13 -5.57 -0.16	40.66 -8.85 19.70	42.84 -14.28 49.08	39.78 -10.93 28.72	36.55 -8.57 16.97	35.25 -9.16 21.04	33.10 -7.34 10.26	29.00 -8.24 18.26	25.52 -10.14 30.87	33.49 -15.97 63.73	59.24 -18.71 55.13	53.51 -16.17 47.52	27.35 -18.85 100.87	18.34 -15.12 84.49	19.71 -11.83 64.03	35.85 -11.61 47.96
OXBOW____ 24026	124.63 -20.17 27.69	108.70 -15.45 15.66	98.77 -13.63 10.49	103.81 -14.28 8.52	111.01 -15.51 13.75	93.41 -13.89 22.15	43.49 -7.15 10.24	61.90 -9.89 6.97	39.16 -5.54 -0.16	40.62 -8.89 19.70	42.53 -14.59 49.08	39.51 -11.20 28.72	36.32 -8.79 16.97	35.10 -9.32 21.04	33.06 -7.39 10.26	29.02 -8.21 18.26	25.57 -10.09 30.87	33.52 -15.94 63.73	59.26 -18.69 55.13	53.55 -16.13 47.52	27.22 -18.99 100.87	18.22 -15.25 84.49	19.66 -11.88 64.03	35.78 -11.68 47.96
OXY_CHEM_DSASP 323612	123.74 -21.54 27.21	107.94 -16.52 15.35	98.03 -14.58 10.28	103.00 -15.26 8.35	110.23 -16.56 13.48	93.00 -14.80 21.66	43.39 -7.60 9.88	61.49 -10.49 6.78	38.81 -5.92 -0.18	40.31 -9.43 19.47	41.81 -15.42 48.98	38.95 -11.79 28.69	35.94 -9.23 16.92	34.71 -9.76 20.98	32.73 -7.74 10.23	28.67 -8.64 18.19	25.06 -10.65 30.81	32.68 -16.94 63.58	58.56 -20.00 54.52	52.73 -17.22 47.26	26.93 -20.24 99.91	17.60 -16.19 84.16	19.31 -12.58 63.69	35.28 -12.31 47.84
OZONE_PARK_ESR 323760	186.35 13.86 0.00	150.57 10.76 0.00	132.50 9.60 0.00	136.61 9.99 0.00	151.02 10.75 0.00	166.95 10.21 -27.28	154.04 4.99 -88.17	130.15 6.48 -44.90	62.14 3.76 -13.83	73.90 5.32 0.63	108.35 6.86 4.71	81.36 4.84 2.91	64.35 3.92 1.66	67.47 3.99 1.98	53.18 3.46 0.98	57.64 3.61 1.47	67.77 4.05 2.81	114.81 7.16 5.55	139.40 8.65 2.33	121.41 7.63 3.42	151.63 9.26 4.71	119.01 7.67 6.60	96.85 5.95 4.68	97.01 5.85 4.27
PACKARD_I15_KV_ADAMS_187_REV_LBMP_A 345013	123.74 -21.54 27.21	107.94 -16.52 15.35	98.03 -14.58 10.28	103.00 -15.26 8.35	110.23 -16.56 13.48	93.00 -14.80 21.66	43.39 -7.60 9.88	61.49 -10.49 6.78	38.81 -5.92 -0.18	40.31 -9.43 19.47	41.81 -15.42 48.98	38.95 -11.79 28.69	35.94 -9.23 16.92	34.71 -9.76 20.98	32.73 -7.74 10.23	28.67 -8.64 18.19	25.06 -10.65 30.81	32.68 -16.94 63.58	58.56 -20.00 54.52	52.73 -17.22 47.26	26.93 -20.24 99.91	17.60 -16.19 84.16	19.31 -12.58 63.69	35.28 -12.31 47.84
PACKARD___115KV_DUPONT_184 80571	123.74 -21.54 27.21	107.94 -16.52 15.35	98.03 -14.58 10.28	103.00 -15.26 8.35	110.23 -16.56 13.48	93.00 -14.80 21.66	43.39 -7.60 9.88	61.49 -10.49 6.78	38.81 -5.92 -0.18	40.31 -9.43 19.47	41.81 -15.42 48.98	38.95 -11.79 28.69	35.94 -9.23 16.92	34.71 -9.76 20.98	32.73 -7.74 10.23	28.67 -8.64 18.19	25.06 -10.65 30.81	32.68 -16.94 63.58	58.56 -20.00 54.52	52.73 -17.22 47.26	26.93 -20.24 99.91	17.60 -16.19 84.16	19.31 -12.58 63.69	35.28 -12.31 47.84
PARKCHTR_I38_KV_TB2S_REV_LBMP_J 345007	184.42 11.93 0.00	149.21 9.40 0.00	131.23 8.33 -0.01	135.33 8.71 -0.01	149.70 9.42 -0.01	165.71 8.96 -27.29	153.46 4.40 -88.18	129.32 5.66 -44.90	61.69 3.31 -13.83	73.17 4.59 0.64	107.22 5.72 4.71	80.55 4.03 2.90	63.71 3.28 1.66	66.86 3.38 1.98	52.73 3.00 0.98	57.08 3.05 1.47	67.09 3.37 2.80	113.65 6.00 5.55	138.05 7.30 2.33	120.14 6.35 3.42	150.01 7.64 4.71	117.69 6.35 6.60	95.92 5.02 4.68	95.98 4.82 4.27
PARKCHTR_I3_KV_CPCTY_REV_LBMP_J 345019	185.74 13.25 0.00	150.19 10.38 0.00	131.98 9.08 -0.01	136.11 9.49 -0.01	150.61 10.33 -0.01	166.51 9.76 -27.29	153.87 4.81 -88.18	129.94 6.28 -44.90	62.01 3.63 -13.83	73.60 5.02 0.64	107.81 6.32 4.71	81.03 4.51 2.90	64.04 3.61 1.66	67.19 3.71 1.98	52.99 3.26 0.98	57.39 3.36 1.47	67.55 3.82 2.80	114.44 6.79 5.55	139.10 8.35 2.33	121.05 7.27 3.42	150.64 8.26 4.71	118.25 6.91 6.60	96.30 5.40 4.68	96.33 5.17 4.27
PATROON___115KV_TB1 80586	180.62 8.13 0.00	146.51 6.69 0.00	128.99 6.10 0.00	132.88 6.27 0.00	147.26 6.99 0.00	169.41 6.33 -33.62	189.50 2.90 -125.73	165.87 3.74 -83.37	70.92 2.15 -24.22	71.90 3.15 0.47	106.45 3.70 3.45	80.20 2.91 2.13	63.16 2.28 1.21	66.38 2.37 1.46	51.91 1.93 0.72	56.27 1.85 1.08	66.74 2.27 2.06	112.87 3.74 4.07	136.11 4.73 1.71	119.25 4.56 2.51	148.72 4.91 3.27	117.49 4.38 4.85	95.85 3.70 3.43	96.32 4.02 3.13
PATTRSNVILLE___SOLAR 323815	180.80 8.31 0.00	146.39 6.58 0.00	128.73 5.83 0.00	132.61 5.99 0.00	146.97 6.70 0.00	171.14 6.34 -35.34	207.18 3.03 -143.27	188.59 3.89 -105.94	76.77 2.11 -30.11	71.51 2.79 0.50	105.65 3.13 3.69	79.16 2.01 2.27	62.32 1.53 1.30	65.44 1.54 1.55	51.20 1.26 0.77	55.79 1.44 1.15	66.62 2.29 2.20	113.86 5.00 4.34	137.39 6.14 1.83	119.91 5.38 2.68	150.26 6.59 3.40	117.94 5.15 5.17	95.94 4.02 3.66	96.09 4.00 3.34
PAVMNTRD_I15_KV_BK1_REV_LBMP_A 345030	129.40 -10.85 32.23	113.41 -8.12 18.28	103.48 -7.17 12.25	109.14 -7.52 9.95	116.19 -8.03 16.05	96.00 -7.22 26.24	43.66 -4.03 13.18	64.32 -5.73 8.72	41.37 -3.20 -0.02	42.13 -5.30 21.79	47.88 -9.33 48.99	43.87 -7.09 28.46	39.59 -5.72 16.79	38.34 -6.07 21.05	35.66 -4.82 10.23	31.47 -5.20 18.83	28.85 -6.36 31.31	38.24 -9.92 65.03	61.55 -11.15 60.39	57.94 -9.57 49.70	26.10 -11.33 109.65	21.26 -9.25 87.44	21.65 -7.09 66.83	39.72 -6.89 48.82
PAWLING_I15_KV_BK3_REV_LBMP_H 345028	186.12 13.64 0.00	150.41 10.59 0.00	132.33 9.44 0.00	136.37 9.76 0.00	151.02 10.75 0.00	167.27 10.26 -27.55	154.95 4.99 -89.08	130.65 6.48 -45.41	62.21 3.68 -13.98	73.76 5.17 0.63	108.13 6.59 4.66	81.09 4.54 2.88	64.10 3.65 1.64	67.23 3.73 1.96	52.93 3.20 0.97	57.44 3.40 1.46	67.76 4.01 2.78	115.00 7.30 5.49	139.68 8.90 2.31	121.71 7.89 3.39	151.96 9.54 4.66	119.13 7.71 6.54	97.00 6.05 4.63	97.10 5.90 4.22
PEEKSKILL____ 23653	183.44 10.95 0.00	148.27 8.45 0.00	130.45 7.56 0.00	134.47 7.85 0.00	148.83 8.56 0.00	164.61 8.15 -27.00	152.16 4.01 -87.28	128.33 5.13 -44.44	61.18 2.94 -13.68	72.65 4.08 0.64	106.42 4.98 4.76	79.88 3.39 2.94	63.18 2.76 1.67	66.27 2.82 2.00	52.25 2.54 0.99	56.66 2.65 1.49	66.72 3.02 2.83	113.04 5.45 5.60	137.34 6.62 2.36	119.63 5.89 3.46	149.45 7.13 4.76	117.14 5.87 6.68	95.43 4.58 4.73	95.59 4.47 4.31

PGE MADISON___WINDPWR 24146	226.49 7.36 -46.64	174.02 7.88 -26.32	147.55 7.02 -17.63	148.47 7.54 -14.32	173.94 10.56 -23.11	193.57 10.07 -54.04	139.04 5.00 -73.17	127.24 6.69 -41.78	56.91 3.88 -8.47	95.78 5.23 -21.34	93.25 6.41 19.37	69.15 3.50 13.78	55.27 2.30 9.13	59.58 2.08 7.96	48.01 1.57 4.26	58.19 1.89 -0.81	64.79 3.41 5.14	115.55 8.06 5.70	188.21 9.91 -45.22	135.75 8.32 -10.23	230.54 9.70 -73.75	133.05 7.41 -7.68	113.28 5.51 -12.19	94.67 5.41 6.17
PIERCEFIELD___HYD 23852	173.65 1.16 0.00	140.96 1.14 0.00	123.66 0.77 0.00	127.37 0.76 0.00	140.53 0.26 0.00	129.02 -0.93 -0.49	61.53 -0.74 -1.40	78.29 -1.01 -0.54	44.10 -0.63 -0.18	67.73 -0.59 0.89	100.62 1.04 6.63	77.61 2.28 4.09	61.70 1.94 2.33	64.83 2.16 2.79	50.64 1.32 1.38	54.99 1.57 2.07	63.70 1.12 3.95	106.78 1.39 7.81	131.27 1.47 3.29	113.48 1.10 4.82	142.60 2.15 6.63	110.45 1.80 9.30	90.17 1.18 6.58	90.78 1.36 6.01
PINELAWN_CC_1 323563	186.75 14.26 0.00	151.64 11.82 0.00	133.34 10.45 0.00	137.53 10.92 0.00	152.06 11.79 0.00	168.02 11.28 -27.27	154.61 5.59 -88.15	130.68 7.03 -44.89	62.26 3.88 -13.82	73.95 5.37 0.63	108.50 7.00 4.71	81.38 4.86 2.91	64.19 3.75 1.66	67.34 3.87 1.98	53.14 3.42 0.98	57.72 3.69 1.47	68.13 4.41 2.81	117.89 8.55 3.86	141.16 10.41 2.33	126.13 9.25 0.33	156.49 11.21 1.80	127.10 9.11 -0.03	97.76 6.86 4.68	97.89 6.73 4.27
PJM_GEN_HTP_PROXY 323702	182.08 11.77 2.18	148.90 9.08 0.00	131.06 8.17 0.00	135.12 8.51 0.00	149.47 9.19 0.00	165.49 8.75 -27.27	153.34 4.30 -88.17	129.23 5.58 -44.89	61.63 3.25 -13.82	71.76 4.53 1.99	107.11 5.61 4.71	80.41 3.89 2.91	63.62 3.18 1.66	66.69 3.22 1.98	52.61 2.90 0.98	57.02 2.99 1.47	67.04 3.32 2.81	113.48 5.83 5.55	137.77 7.01 2.33	120.00 6.22 3.42	149.91 7.54 4.71	117.59 6.25 6.60	95.77 4.87 4.68	95.94 4.78 4.27
PJM_GEN_KEystone 24065	65.79 -1.84 104.87	59.58 -1.53 78.71	56.42 -1.23 65.24	62.16 -1.26 63.19	122.02 -1.37 16.88	65.40 -1.24 62.82	71.85 -0.72 -11.70	96.71 -1.05 -19.00	51.36 -0.56 -7.36	48.86 -1.33 19.02	63.09 -2.95 40.16	39.92 -2.42 37.09	33.51 -1.82 26.77	31.13 -2.04 32.29	31.16 -1.39 18.16	32.48 -1.65 21.37	34.92 -2.15 29.46	69.15 -3.29 40.76	88.68 -3.59 40.82	88.71 -3.14 25.36	52.79 -4.07 90.22	70.30 -3.10 44.55	53.64 -2.47 39.47	68.42 -2.28 24.73
PJM_GEN_NEPTUNE_PROXY 323594	182.85 12.54 2.18	150.03 10.22 0.00	131.95 9.06 0.00	136.11 9.50 0.00	150.54 10.26 0.00	166.57 9.84 -27.27	153.86 4.84 -88.15	129.74 6.10 -44.89	61.80 3.42 -13.82	71.99 4.76 1.99	107.58 6.09 4.71	80.78 4.27 2.91	63.77 3.33 1.66	66.88 3.41 1.98	52.76 3.04 0.98	57.22 3.19 1.47	67.43 3.71 2.81	115.50 6.96 4.65	139.19 8.44 2.33	122.99 7.57 1.78	153.09 9.17 3.16	122.38 7.51 3.08	96.58 5.68 4.68	96.77 5.61 4.27
PJM_GEN_VFT_PROXY 323633	180.92 10.61 2.18	147.99 8.18 0.00	130.22 7.33 0.00	134.30 7.68 0.00	148.53 8.26 0.00	164.61 7.87 -27.28	152.94 3.89 -88.17	128.69 5.03 -44.90	61.34 2.96 -13.83	60.26 4.06 13.02	64.05 4.84 46.99	78.97 3.32 3.77	63.23 2.79 1.66	66.30 2.82 1.98	52.33 2.61 0.98	56.71 2.68 1.47	66.67 2.94 2.81	84.05 5.19 34.33	80.97 6.26 58.37	72.93 5.47 49.74	108.30 6.62 45.40	73.32 5.52 50.16	62.90 4.27 36.94	72.57 4.16 27.01
PLATSBURG_115KV_PMLD1 355749	173.86 1.37 0.00	141.17 1.35 0.00	123.88 0.99 0.00	127.80 1.19 0.00	141.63 1.36 0.00	130.52 1.05 0.00	61.02 0.14 0.00	78.81 0.05 0.00	44.73 0.18 0.00	69.30 0.42 0.33	105.09 1.32 2.43	79.79 1.87 1.50	62.48 1.24 0.86	65.91 1.48 1.02	51.11 0.92 0.51	55.82 1.08 0.76	66.25 1.17 1.45	112.97 2.64 2.86	134.65 2.77 1.21	117.58 2.14 1.77	146.30 1.66 2.43	114.83 0.29 3.41	93.00 -0.16 2.42	94.33 1.11 2.20
PLEASANTVLY___LBMP 24000	183.05 10.56 0.00	147.98 8.16 0.00	130.18 7.29 0.00	134.12 7.50 0.00	148.53 8.26 0.00	165.79 7.90 -28.43	156.65 3.86 -91.91	130.58 4.97 -46.84	61.83 2.85 -14.42	72.58 3.97 0.61	106.56 4.86 4.50	79.99 3.34 2.78	63.25 2.74 1.58	66.40 2.83 1.90	52.25 2.49 0.94	56.66 2.57 1.41	66.81 2.96 2.68	113.23 5.34 5.30	137.32 6.46 2.23	119.71 5.78 3.27	149.58 6.95 4.45	117.35 5.71 6.32	95.60 4.49 4.47	95.78 4.43 4.08
PLSNTVLE_13_KV_13.8KVDIST 80602	184.23 11.74 0.00	148.91 9.09 0.00	131.05 8.16 0.00	135.08 8.46 0.00	149.53 9.26 0.00	165.76 8.82 -27.48	153.99 4.31 -88.81	129.56 5.58 -45.22	61.68 3.20 -13.92	73.05 4.47 0.63	107.10 5.57 4.67	80.41 3.87 2.88	63.56 3.11 1.64	66.69 3.20 1.97	52.53 2.80 0.98	56.96 2.92 1.46	67.07 3.33 2.78	113.69 6.00 5.51	138.03 7.26 2.31	120.25 6.44 3.40	150.28 7.83 4.63	117.81 6.42 6.56	95.94 5.01 4.64	96.12 4.93 4.23
PLSNTVLE_13_KV_13KVDISA_REV_LBMP_I 345020	184.23 11.74 0.00	148.91 9.09 0.00	131.05 8.16 0.00	135.08 8.46 0.00	149.53 9.26 0.00	165.76 8.82 -27.48	153.99 4.31 -88.81	129.56 5.58 -45.22	61.68 3.20 -13.92	73.05 4.47 0.63	107.10 5.57 4.67	80.41 3.87 2.88	63.56 3.11 1.64	66.69 3.20 1.97	52.53 2.80 0.98	56.96 2.92 1.46	67.07 3.33 2.78	113.69 6.00 5.51	138.03 7.26 2.31	120.25 6.44 3.40	150.28 7.83 4.63	117.81 6.42 6.56	95.94 5.01 4.64	96.12 4.93 4.23
PLSTVYCH_69_KV_RQ-3_RG2_REV_LBMP_G 345023	185.31 12.83 0.00	149.78 9.97 0.00	131.75 8.85 0.00	135.73 9.12 0.00	150.35 10.07 0.00	166.76 9.62 -27.68	155.11 4.69 -89.55	130.52 6.07 -45.69	62.02 3.41 -14.06	73.35 4.76 0.63	107.45 5.88 4.64	80.60 4.04 2.86	63.72 3.26 1.63	66.86 3.35 1.95	52.62 2.89 0.97	57.15 3.10 1.45	67.50 3.73 2.76	114.61 6.88 5.46	139.22 8.44 2.30	121.31 7.48 3.37	151.47 9.03 4.64	118.75 7.31 6.51	96.69 5.72 4.61	96.83 5.60 4.20
POLETTI___ 23519	184.19 11.70 0.00	148.87 9.05 0.00	131.06 8.17 0.00	135.24 8.63 0.00	149.49 9.22 0.00	165.56 8.82 -27.28	153.37 4.33 -88.17	129.27 5.61 -44.90	61.66 3.28 -13.83	73.15 4.57 0.63	107.19 5.69 4.71	80.49 3.97 2.91	63.69 3.25 1.66	66.76 3.29 1.98	52.67 2.95 0.98	57.04 3.01 1.47	66.97 3.25 2.81	113.33 5.68 5.55	137.60 6.85 2.33	119.81 6.03 3.42	149.71 7.34 4.71	117.53 6.18 6.60	95.66 4.76 4.68	95.89 4.74 4.27
POMONA___ESR 323819	183.27 10.78 0.00	148.09 8.27 0.00	130.33 7.44 0.00	134.33 7.72 0.00	148.65 8.38 0.00	163.79 8.01 -26.31	149.84 3.92 -85.05	127.08 5.02 -43.30	60.74 2.85 -13.33	72.50 3.94 0.66	106.08 4.76 4.88	79.66 3.24 3.01	63.01 2.63 1.72	66.12 2.71 2.06	52.13 2.45 1.02	56.56 2.58 1.52	66.58 2.96 2.91	112.76 5.32 5.75	137.15 6.49 2.42	119.35 5.69 3.55	149.17 6.98 4.88	116.84 5.74 6.85	95.20 4.47 4.85	95.37 4.37 4.42
PORT_JEFF_3 23555	186.92 14.43 0.00	152.35 12.53 0.00	133.95 11.06 0.00	138.26 11.65 0.00	152.86 12.59 0.00	168.85 12.11 -27.27	155.15 6.13 -88.15	131.35 7.70 -44.89	62.59 4.21 -13.82	74.47 5.89 0.63	109.30 7.81 4.71	81.93 5.41 2.91	64.58 4.15 1.66	67.71 4.24 1.98	53.44 3.72 0.98	58.13 4.10 1.47	68.68 4.95 2.81	118.94 9.60 3.86	142.25 11.50 2.33	127.29 10.41 0.33	157.84 12.56 1.80	128.07 10.08 -0.03	98.43 7.53 4.68	98.58 7.43 4.27

PORT_JEFF_4 23616	186.92 14.43 0.00	152.35 12.53 0.00	133.95 11.06 0.00	138.26 11.65 0.00	152.86 12.59 0.00	168.85 12.11 -27.27	155.15 6.13 -88.15	131.35 7.70 -44.89	62.59 4.21 -13.82	74.47 5.89 0.63	109.30 7.81 4.71	81.93 5.41 2.91	64.58 4.15 1.66	67.71 4.24 1.98	53.44 3.72 0.98	58.13 4.10 1.47	68.68 4.95 2.81	118.94 9.60 3.86	142.25 11.50 2.33	127.29 10.41 0.33	157.84 12.56 1.80	128.07 10.08 -0.03	98.43 7.53 4.68	98.58 7.43 4.27
PORT_JEFF_IC 23713	187.10 14.61 0.00	152.41 12.59 0.00	134.02 11.12 0.00	138.28 11.67 0.00	152.90 12.63 0.00	168.88 12.15 -27.27	155.19 6.16 -88.15	131.39 7.74 -44.89	62.61 4.23 -13.82	74.49 5.91 0.63	109.38 7.89 4.71	82.00 5.48 2.91	64.62 4.18 1.66	67.76 4.29 1.98	53.46 3.74 0.98	58.15 4.12 1.47	68.70 4.97 2.81	119.03 9.70 3.86	142.38 11.63 2.33	127.40 10.53 0.33	157.98 12.70 1.80	128.19 10.20 -0.03	98.52 7.62 4.68	98.66 7.51 4.27
PPL PILGRIM_ST_GT1 24216	187.74 15.25 0.00	152.69 12.88 0.00	134.26 11.37 0.00	138.56 11.95 0.00	153.25 12.97 0.00	169.10 12.37 -27.27	155.17 6.14 -88.15	131.39 7.74 -44.89	62.68 4.31 -13.82	74.63 6.05 0.63	109.58 8.09 4.71	82.15 5.63 2.91	64.74 4.30 1.66	67.92 4.45 1.98	53.61 3.89 0.98	58.22 4.19 1.47	68.72 5.00 2.81	118.92 9.59 3.86	142.29 11.54 2.33	127.22 10.35 0.33	157.91 12.62 1.80	128.15 10.17 -0.03	98.58 7.69 4.68	98.77 7.61 4.27
PPL PILGRIM_ST_GT2 24217	187.74 15.25 0.00	152.69 12.88 0.00	134.26 11.37 0.00	138.56 11.95 0.00	153.25 12.97 0.00	169.10 12.37 -27.27	155.17 6.14 -88.15	131.39 7.74 -44.89	62.68 4.31 -13.82	74.63 6.05 0.63	109.58 8.09 4.71	82.15 5.63 2.91	64.74 4.30 1.66	67.92 4.45 1.98	53.61 3.89 0.98	58.22 4.19 1.47	68.72 5.00 2.81	118.92 9.59 3.86	142.29 11.54 2.33	127.22 10.35 0.33	157.91 12.62 1.80	128.15 10.17 -0.03	98.58 7.69 4.68	98.77 7.61 4.27
PPL_SHRM_GT3 24213	187.06 14.58 0.00	152.19 12.37 0.00	133.79 10.90 0.00	138.06 11.45 0.00	152.68 12.40 0.00	168.70 11.97 -27.27	155.36 6.34 -88.15	131.55 7.90 -44.89	62.64 4.26 -13.82	74.51 5.94 0.63	109.40 7.91 4.71	82.00 5.48 2.91	64.60 4.16 1.66	67.71 4.23 1.98	53.42 3.70 0.98	58.20 4.17 1.47	68.88 5.16 2.81	119.45 10.11 3.86	142.58 11.83 2.33	127.77 10.89 0.33	158.35 13.07 1.80	128.42 10.44 -0.03	98.61 7.72 4.68	98.74 7.58 4.27
PPL_SHRM_GT4 24214	187.06 14.58 0.00	152.19 12.37 0.00	133.79 10.90 0.00	138.06 11.45 0.00	152.68 12.40 0.00	168.70 11.97 -27.27	155.36 6.34 -88.15	131.55 7.90 -44.89	62.64 4.26 -13.82	74.51 5.94 0.63	109.40 7.91 4.71	82.00 5.48 2.91	64.60 4.16 1.66	67.71 4.23 1.98	53.42 3.70 0.98	58.20 4.17 1.47	68.88 5.16 2.81	119.45 10.11 3.86	142.58 11.83 2.33	127.77 10.89 0.33	158.35 13.07 1.80	128.42 10.44 -0.03	98.61 7.72 4.68	98.74 7.58 4.27
PROJECT___ORANGE 1 24174	167.25 -5.24 0.00	135.66 -4.16 0.00	119.27 -3.62 0.00	122.78 -3.83 0.00	136.22 -4.05 0.00	128.90 -3.59 -3.03	67.90 -1.71 -8.73	79.82 -2.31 -3.37	44.35 -1.30 -1.09	61.35 -2.36 5.50	61.34 -4.06 40.80	51.02 -3.23 25.17	45.18 -2.57 14.34	45.52 -2.75 17.18	40.12 -2.07 8.52	40.53 -2.24 12.73	39.72 -2.52 24.30	61.29 -3.84 48.06	108.54 -4.33 20.22	83.71 -3.82 29.67	101.25 -5.02 40.81	56.57 -4.14 57.24	51.62 -3.44 40.52	54.94 -3.52 36.96
PROJECT___ORANGE 2 24166	167.25 -5.24 0.00	135.66 -4.16 0.00	119.27 -3.62 0.00	122.78 -3.83 0.00	136.22 -4.05 0.00	128.90 -3.59 -3.03	67.90 -1.71 -8.73	79.82 -2.31 -3.37	44.35 -1.30 -1.09	61.35 -2.36 5.50	61.34 -4.06 40.80	51.02 -3.23 25.17	45.18 -2.57 14.34	45.52 -2.75 17.18	40.12 -2.07 8.52	40.53 -2.24 12.73	39.72 -2.52 24.30	61.29 -3.84 48.06	108.54 -4.33 20.22	83.71 -3.82 29.67	101.25 -5.02 40.81	56.57 -4.14 57.24	51.62 -3.44 40.52	54.94 -3.52 36.96
PUCKETT___SOLAR 323809	172.33 -0.16 0.00	139.94 0.12 0.00	122.98 0.09 0.00	126.78 0.16 0.00	141.30 1.03 0.00	139.96 1.15 -9.34	92.59 0.60 -31.12	96.44 0.83 -16.85	50.07 0.39 -5.12	65.40 -0.14 3.67	77.73 -1.23 27.25	61.10 -1.51 16.81	51.25 -1.27 9.58	52.47 -1.52 11.48	43.92 -1.10 5.69	45.92 -1.07 8.50	49.52 -0.78 16.22	80.86 -0.24 32.10	119.51 -0.06 13.50	97.22 -0.17 19.81	119.03 -0.80 27.25	78.97 -0.75 38.22	67.73 -0.80 27.06	70.11 -0.63 24.68
PYRITES___HYD 24023	176.73 4.24 0.00	143.44 3.63 0.00	125.86 2.97 0.00	129.64 3.03 0.00	143.10 2.83 0.00	131.59 1.67 -0.45	62.75 0.57 -1.30	80.03 0.76 -0.50	45.01 0.30 -0.16	68.89 0.51 0.83	102.63 2.61 6.18	79.15 3.53 3.81	62.97 3.05 2.17	66.12 3.26 2.60	51.67 2.25 1.29	56.26 2.69 1.93	65.43 2.58 3.68	109.90 3.98 7.28	134.47 4.45 3.06	116.44 3.73 4.49	146.31 5.41 6.18	113.63 4.35 8.67	92.69 3.24 6.13	93.21 3.38 5.60
QUAKERRD_115KV_BK1 80622	142.74 -13.93 15.82	120.12 -10.77 8.93	107.52 -9.39 5.98	111.95 -9.80 4.86	121.72 -10.71 7.84	108.28 -9.66 11.52	53.84 -4.75 2.29	70.18 -6.37 2.21	41.83 -3.55 -0.83	49.69 -5.95 13.57	50.84 -9.73 45.63	44.46 -7.40 27.57	40.98 -5.95 15.16	39.82 -6.37 19.27	36.33 -4.93 9.44	33.47 -5.37 16.66	30.69 -6.32 29.51	43.26 -10.03 59.90	80.21 -11.52 41.35	65.44 -10.12 41.64	57.11 -12.46 77.51	31.55 -10.15 76.24	31.18 -8.16 56.24	41.92 -8.05 45.45
QUENSBRY_115KV_TB8 356137	189.44 16.95 0.00	152.97 13.15 0.00	134.70 11.81 0.00	138.76 12.14 0.00	154.12 13.85 0.00	177.10 13.23 -34.41	206.27 6.58 -138.82	189.24 8.50 -101.98	78.30 4.71 -29.03	75.61 6.85 0.45	112.16 9.32 3.36	83.86 6.52 2.08	65.82 4.91 1.18	69.04 5.00 1.42	54.03 4.04 0.70	58.93 4.48 1.05	70.53 6.00 2.00	120.45 11.22 3.96	144.74 13.33 1.67	126.41 11.65 2.45	158.32 14.15 2.91	124.09 10.86 4.72	100.92 8.69 3.34	101.22 8.84 3.05
RAMAPO___LBMP 323565	182.53 10.04 0.00	147.49 7.67 0.00	129.83 6.93 0.00	133.77 7.16 0.00	148.07 7.79 0.00	163.15 7.46 -26.23	149.30 3.65 -84.78	126.59 4.67 -43.16	60.51 2.66 -13.29	72.19 3.64 0.66	105.67 4.36 4.90	79.35 2.95 3.02	62.78 2.41 1.72	65.86 2.47 2.06	51.92 2.24 1.02	56.30 2.33 1.53	66.26 2.65 2.92	112.28 4.86 5.77	136.58 5.92 2.43	118.85 5.21 3.56	148.52 6.34 4.90	116.35 5.27 6.87	94.81 4.10 4.86	94.98 3.99 4.44
RANKINE____ 23646	125.99 -14.94 31.56	110.71 -11.22 17.88	101.17 -9.74 11.97	106.67 -10.22 9.72	113.35 -11.23 15.70	93.66 -10.15 25.65	42.61 -5.40 12.86	62.73 -7.51 8.52	40.35 -4.16 0.04	40.70 -6.87 21.65	44.67 -11.67 49.87	41.66 -8.84 28.93	37.66 -7.09 17.35	36.49 -7.50 21.46	34.35 -5.91 10.44	30.23 -6.49 18.78	27.33 -7.89 31.31	35.90 -12.34 64.96	59.33 -14.11 59.64	55.55 -12.21 49.44	24.09 -14.53 108.46	18.97 -11.83 87.15	19.74 -9.28 66.55	37.56 -9.09 48.78
RAVENSWOOD_GT2_1 24244	184.56 12.07 0.00	149.20 9.38 0.00	131.31 8.42 0.00	135.37 8.76 0.00	149.75 9.48 0.00	165.74 9.00 -27.28	153.49 4.43 -88.18	129.41 5.75 -44.90	61.72 3.34 -13.83	73.25 4.67 0.63	107.37 5.87 4.71	80.62 4.10 2.91	63.77 3.34 1.66	66.87 3.40 1.98	52.73 3.01 0.98	57.14 3.11 1.47	67.16 3.44 2.80	113.69 6.04 5.55	138.05 7.30 2.33	120.18 6.40 3.42	150.13 7.76 4.71	117.79 6.45 6.60	95.91 5.01 4.68	96.10 4.93 4.27

RAVENSWOOD_GT2_2 24245	184.56 12.07 0.00	149.20 9.38 0.00	131.31 8.42 0.00	135.37 8.76 0.00	149.75 9.48 0.00	165.74 9.00 -27.28	153.49 4.43 -88.18	129.41 5.75 -44.90	61.72 3.34 -13.83	73.25 4.67 0.63	107.37 5.87 4.71	80.62 4.10 2.91	63.77 3.34 1.66	66.87 3.40 1.98	52.73 3.01 0.98	57.14 3.11 1.47	67.16 3.44 2.80	113.69 6.04 5.55	138.05 7.30 2.33	120.18 6.40 3.42	150.13 7.76 4.71	117.79 6.45 6.60	95.91 5.01 4.68	96.10 4.93 4.27
RAVENSWOOD_GT2_3 24246	184.68 12.19 0.00	149.26 9.45 0.00	131.35 8.46 0.00	135.45 8.83 0.00	149.82 9.55 0.00	165.82 9.07 -27.28	153.50 4.45 -88.18	129.45 5.79 -44.90	61.74 3.35 -13.83	73.28 4.70 0.63	107.41 5.91 4.71	80.65 4.13 2.91	63.80 3.37 1.66	66.91 3.43 1.98	52.77 3.05 0.98	57.16 3.13 1.47	67.19 3.47 2.80	113.77 6.12 5.55	138.10 7.35 2.33	120.24 6.45 3.42	150.19 7.82 4.71	117.84 6.50 6.60	95.95 5.05 4.68	96.12 4.96 4.27
RAVENSWOOD_GT2_4 24247	184.68 12.19 0.00	149.26 9.45 0.00	131.35 8.46 0.00	135.45 8.83 0.00	149.82 9.55 0.00	165.82 9.07 -27.28	153.50 4.45 -88.18	129.45 5.79 -44.90	61.74 3.35 -13.83	73.28 4.70 0.63	107.41 5.91 4.71	80.65 4.13 2.91	63.80 3.37 1.66	66.91 3.43 1.98	52.77 3.05 0.98	57.16 3.13 1.47	67.19 3.47 2.80	113.77 6.12 5.55	138.10 7.35 2.33	120.24 6.45 3.42	150.19 7.82 4.71	117.84 6.50 6.60	95.95 5.05 4.68	96.12 4.96 4.27
RAVENSWOOD_GT3_1 24248	184.56 12.07 0.00	149.21 9.39 0.00	131.31 8.42 0.00	135.37 8.76 0.00	149.75 9.48 0.00	165.74 9.00 -27.28	153.49 4.43 -88.18	129.41 5.75 -44.90	61.72 3.34 -13.83	73.25 4.67 0.63	107.37 5.87 4.71	80.62 4.10 2.91	63.78 3.34 1.66	66.87 3.40 1.98	52.73 3.01 0.98	57.14 3.11 1.47	67.17 3.45 2.80	113.69 6.04 5.55	138.05 7.30 2.33	120.18 6.40 3.42	150.14 7.77 4.71	117.79 6.45 6.60	95.92 5.02 4.68	96.10 4.93 4.27
RAVENSWOOD_GT3_2 24249	184.56 12.07 0.00	149.21 9.39 0.00	131.31 8.42 0.00	135.37 8.76 0.00	149.75 9.48 0.00	165.74 9.00 -27.28	153.49 4.43 -88.18	129.41 5.75 -44.90	61.72 3.34 -13.83	73.25 4.67 0.63	107.37 5.87 4.71	80.62 4.10 2.91	63.78 3.34 1.66	66.87 3.40 1.98	52.73 3.01 0.98	57.14 3.11 1.47	67.17 3.45 2.80	113.69 6.04 5.55	138.05 7.30 2.33	120.18 6.40 3.42	150.14 7.77 4.71	117.79 6.45 6.60	95.92 5.02 4.68	96.10 4.93 4.27
RAVENSWOOD_GT3_3 24250	184.87 12.38 0.00	149.40 9.59 0.00	131.49 8.60 0.00	135.58 8.97 0.00	149.98 9.71 0.00	165.95 9.20 -27.28	153.58 4.52 -88.18	129.54 5.88 -44.90	61.78 3.40 -13.83	73.36 4.78 0.63	107.54 6.05 4.71	80.76 4.24 2.91	63.87 3.44 1.66	66.98 3.51 1.98	52.83 3.11 0.98	57.22 3.19 1.47	67.26 3.54 2.80	113.90 6.25 5.55	138.28 7.53 2.33	120.37 6.59 3.42	150.38 8.01 4.71	117.97 6.62 6.60	96.06 5.16 4.68	96.21 5.06 4.27
RAVENSWOOD_GT3_4 24251	184.87 12.38 0.00	149.40 9.59 0.00	131.49 8.60 0.00	135.58 8.97 0.00	149.98 9.71 0.00	165.95 9.20 -27.28	153.58 4.52 -88.18	129.54 5.88 -44.90	61.78 3.40 -13.83	73.36 4.78 0.63	107.54 6.05 4.71	80.76 4.24 2.91	63.87 3.44 1.66	66.98 3.51 1.98	52.83 3.11 0.98	57.22 3.19 1.47	67.26 3.54 2.80	113.90 6.25 5.55	138.28 7.53 2.33	120.37 6.59 3.42	150.38 8.01 4.71	117.97 6.62 6.60	96.06 5.16 4.68	96.21 5.06 4.27
RAVENSWOOD_GT_1 23729	208.23 12.87 -22.87	149.83 10.01 0.00	131.83 8.93 -0.01	135.99 9.37 -0.01	150.39 10.11 -0.01	166.34 9.59 -27.29	177.56 4.74 -111.94	139.32 6.13 -54.42	79.68 3.58 -31.54	98.31 5.03 -24.07	139.73 6.38 -27.15	132.68 4.54 -48.72	140.72 3.70 -74.92	138.57 3.77 -69.34	140.58 3.31 -86.56	138.21 3.40 -79.31	90.89 3.72 -20.64	153.22 6.46 -33.56	179.03 7.83 -38.11	167.12 6.85 -43.07	205.11 8.24 -49.78	159.22 6.77 -34.49	139.86 5.33 -38.96	98.09 5.20 2.54
RAVENSWOOD_GT_10 24258	187.20 12.07 -2.64	149.16 9.34 0.00	131.31 8.42 0.00	135.37 8.76 0.00	149.75 9.48 0.00	165.73 8.99 -27.28	156.22 4.43 -90.92	130.50 5.74 -46.00	61.94 3.33 -14.05	73.46 4.64 0.40	111.04 5.87 1.03	85.50 4.10 -1.98	66.78 3.34 -1.35	69.71 3.39 -0.86	54.56 3.01 -0.85	59.76 3.10 -1.16	69.85 3.42 0.10	117.86 6.04 1.38	141.76 7.29 -1.39	124.35 6.40 -0.75	155.79 7.73 -0.97	122.45 6.45 1.94	100.93 5.00 -0.36	96.29 4.93 4.07
RAVENSWOOD_GT_11 24259	187.20 12.07 -2.64	149.16 9.34 0.00	131.31 8.42 0.00	135.37 8.76 0.00	149.75 9.48 0.00	165.73 8.99 -27.28	156.22 4.43 -90.92	130.50 5.74 -46.00	61.94 3.33 -14.05	73.46 4.64 0.40	111.04 5.87 1.03	85.50 4.10 -1.98	66.78 3.34 -1.35	69.71 3.39 -0.86	54.56 3.01 -0.85	59.76 3.10 -1.16	69.85 3.42 0.10	117.86 6.04 1.38	141.76 7.29 -1.39	124.35 6.40 -0.75	155.79 7.73 -0.97	122.45 6.45 1.94	100.93 5.00 -0.36	96.29 4.93 4.07
RAVENSWOOD_GT_4 24252	201.91 12.00 -17.41	149.12 9.30 0.00	131.24 8.36 0.00	135.33 8.72 0.00	149.70 9.43 0.00	165.68 8.94 -27.27	171.53 4.39 -106.27	136.61 5.70 -52.15	63.18 3.30 -15.32	74.71 4.60 -0.90	131.56 5.81 -19.55	112.79 4.04 -29.32	83.55 3.30 -18.16	85.57 3.34 -16.77	64.77 2.97 -11.10	74.45 3.07 -15.89	84.98 3.40 -15.05	141.19 6.02 -21.98	162.53 7.21 -22.23	147.63 6.34 -24.09	187.60 7.72 -32.81	148.51 6.40 -24.16	129.12 4.99 -28.55	97.39 4.92 2.95
RAVENSWOOD_GT_5 24254	201.91 12.00 -17.41	149.12 9.30 0.00	131.24 8.36 0.00	135.33 8.72 0.00	149.70 9.43 0.00	165.68 8.94 -27.27	171.53 4.39 -106.27	136.61 5.70 -52.15	63.18 3.30 -15.32	74.71 4.60 -0.90	131.56 5.81 -19.55	112.79 4.04 -29.32	83.55 3.30 -18.16	85.57 3.34 -16.77	64.77 2.97 -11.10	74.45 3.07 -15.89	84.98 3.40 -15.05	141.19 6.02 -21.98	162.53 7.21 -22.23	147.63 6.34 -24.09	187.60 7.72 -32.81	148.51 6.40 -24.16	129.12 4.99 -28.55	97.39 4.92 2.95
RAVENSWOOD_GT_6 24253	201.91 12.00 -17.41	149.12 9.30 0.00	131.24 8.36 0.00	135.33 8.72 0.00	149.70 9.43 0.00	165.68 8.94 -27.27	171.53 4.39 -106.27	136.61 5.70 -52.15	63.18 3.30 -15.32	74.71 4.60 -0.90	131.56 5.81 -19.55	112.79 4.04 -29.32	83.55 3.30 -18.16	85.57 3.34 -16.77	64.77 2.97 -11.10	74.45 3.07 -15.89	84.98 3.40 -15.05	141.19 6.02 -21.98	162.53 7.21 -22.23	147.63 6.34 -24.09	187.60 7.72 -32.81	148.51 6.40 -24.16	129.12 4.99 -28.55	97.39 4.92 2.95
RAVENSWOOD_GT_7 24255	201.91 12.00 -17.41	149.12 9.30 0.00	131.24 8.36 0.00	135.33 8.72 0.00	149.70 9.43 0.00	165.68 8.94 -27.27	171.53 4.39 -106.27	136.61 5.70 -52.15	63.18 3.30 -15.32	74.71 4.60 -0.90	131.56 5.81 -19.55	112.79 4.04 -29.32	83.55 3.30 -18.16	85.57 3.34 -16.77	64.77 2.97 -11.10	74.45 3.07 -15.89	84.98 3.40 -15.05	141.19 6.02 -21.98	162.53 7.21 -22.23	147.63 6.34 -24.09	187.60 7.72 -32.81	148.51 6.40 -24.16	129.12 4.99 -28.55	97.39 4.92 2.95
RAVENSWOOD_GT_8 TEMP GRP(8-11) 24256	187.20 12.07 -2.64	149.16 9.34 0.00	131.31 8.42 0.00	135.37 8.76 0.00	149.75 9.48 0.00	165.73 8.99 -27.28	156.22 4.43 -90.92	130.50 5.74 -46.00	61.94 3.33 -14.05	73.46 4.64 0.40	111.04 5.87 1.03	85.50 4.10 -1.98	66.78 3.34 -1.35	69.71 3.39 -0.86	54.56 3.01 -0.85	59.76 3.10 -1.16	69.85 3.42 0.10	117.86 6.04 1.38	141.76 7.29 -1.39	124.35 6.40 -0.75	155.79 7.73 -0.97	122.45 6.45 1.94	100.93 5.00 -0.36	96.29 4.93 4.07

RAVENSWOOD_GT_9 24257	187.20 12.07 -2.64	149.16 9.34 0.00	131.31 8.42 0.00	135.37 8.76 0.00	149.75 9.48 0.00	165.73 8.99 -27.28	156.22 4.43 -90.92	130.50 5.74 -46.00	61.94 3.33 -14.05	73.46 4.64 0.40	111.04 5.87 1.03	85.50 4.10 -1.98	66.78 3.34 -1.35	69.71 3.39 -0.86	54.56 3.01 -0.85	59.76 3.10 -1.16	69.85 3.42 0.10	117.86 6.04 1.38	141.76 7.29 -1.39	124.35 6.40 -0.75	155.79 7.73 -0.97	122.45 6.45 1.94	100.93 5.00 -0.36	96.29 4.93 4.07
RAVENSWOOD___1 23533	162.55 12.58 22.52	149.60 9.78 0.00	131.64 8.74 -0.01	135.77 9.15 -0.01	150.15 9.87 -0.01	166.10 9.35 -27.29	130.28 4.63 -64.78	120.28 5.99 -35.53	59.96 3.52 -11.89	71.56 4.96 2.62	76.29 6.17 36.08	39.17 4.33 44.59	38.36 3.55 27.28	42.82 3.61 26.24	37.31 3.21 16.60	34.90 3.32 23.92	44.30 3.66 25.89	78.37 6.33 41.15	106.66 7.68 34.11	84.91 6.71 39.01	101.93 8.08 53.23	78.17 6.61 46.39	53.10 5.17 47.65	94.51 5.05 5.97
RAVENSWOOD___2 23534	162.55 12.58 22.52	149.60 9.78 0.00	131.64 8.74 -0.01	135.77 9.15 -0.01	150.15 9.87 -0.01	166.10 9.35 -27.29	130.28 4.63 -64.78	120.28 5.99 -35.53	59.96 3.52 -11.89	71.56 4.96 2.62	76.29 6.17 36.08	39.17 4.33 44.59	38.36 3.55 27.28	42.82 3.61 26.24	37.31 3.21 16.60	34.90 3.32 23.92	44.30 3.66 25.89	78.37 6.33 41.15	106.66 7.68 34.11	84.91 6.71 39.01	101.93 8.08 53.23	78.17 6.61 46.39	53.10 5.17 47.65	94.51 5.05 5.97
RAVENSWOOD___3 23535	184.60 12.12 0.00	149.21 9.39 0.00	131.31 8.42 0.00	135.38 8.77 0.00	149.75 9.48 0.00	165.76 9.01 -27.28	153.48 4.43 -88.18	129.40 5.74 -44.90	61.72 3.33 -13.83	73.25 4.67 0.63	107.34 5.85 4.71	80.57 4.05 2.91	63.75 3.31 1.66	66.83 3.36 1.98	52.72 3.01 0.98	57.14 3.11 1.47	67.18 3.46 2.80	113.70 6.05 5.55	138.03 7.28 2.33	120.19 6.40 3.42	150.13 7.76 4.71	117.74 6.39 6.60	95.89 4.99 4.68	96.07 4.92 4.27
RAVENSWOOD___4 23820	162.55 12.58 22.52	149.60 9.78 0.00	131.64 8.74 -0.01	135.77 9.15 -0.01	150.15 9.87 -0.01	166.10 9.35 -27.29	130.28 4.63 -64.78	120.28 5.99 -35.53	59.96 3.52 -11.89	71.56 4.96 2.62	76.29 6.17 36.08	39.17 4.33 44.59	38.36 3.55 27.28	42.82 3.61 26.24	37.31 3.21 16.60	34.90 3.32 23.92	44.30 3.66 25.89	78.37 6.33 41.15	106.66 7.68 34.11	84.91 6.71 39.01	101.93 8.08 53.23	78.17 6.61 46.39	53.10 5.17 47.65	94.51 5.05 5.97
RCPI_TRUST___DRP 24196	184.39 11.90 0.00	149.02 9.20 0.00	131.16 8.27 0.00	135.24 8.63 0.00	149.60 9.33 0.00	165.60 8.86 -27.27	153.40 4.36 -88.17	129.32 5.66 -44.89	61.67 3.29 -13.82	73.18 4.60 0.63	107.26 5.76 4.71	80.54 4.02 2.91	63.71 3.27 1.66	66.81 3.33 1.98	52.68 2.96 0.98	57.08 3.05 1.47	67.07 3.34 2.81	113.57 5.92 5.55	137.90 7.15 2.33	120.10 6.32 3.42	150.04 7.68 4.71	117.73 6.39 6.60	95.86 4.96 4.68	96.02 4.86 4.27
RED___ROCHESTER 323720	144.07 -10.80 17.61	121.68 -8.20 9.94	109.16 -7.07 6.66	113.75 -7.45 5.41	123.49 -8.06 8.73	109.00 -7.30 13.16	53.58 -3.67 3.62	70.73 -5.04 3.00	42.53 -2.78 -0.76	50.03 -4.77 14.41	52.72 -7.81 45.68	45.97 -5.92 27.54	42.17 -4.84 15.08	40.95 -5.22 19.29	37.15 -4.12 9.44	34.00 -4.55 16.94	31.34 -5.39 29.80	44.43 -8.11 60.65	80.54 -9.05 43.50	66.57 -8.01 42.63	56.28 -9.63 81.17	32.34 -7.92 77.69	31.72 -6.33 57.52	43.26 -6.21 45.96
REGAN___SOLAR 323812	185.05 12.56 0.00	149.82 10.00 0.00	131.71 8.82 0.00	135.67 9.06 0.00	150.33 10.06 0.00	175.74 9.43 -36.84	210.51 4.51 -145.12	188.09 5.75 -103.58	77.02 2.86 -29.61	71.76 3.15 0.61	104.13 2.46 4.53	78.78 2.15 2.80	62.23 1.73 1.59	64.64 1.09 1.91	50.50 0.74 0.94	55.16 1.08 1.42	66.82 2.99 2.70	115.94 8.08 5.34	140.94 10.10 2.25	122.66 8.75 3.30	153.60 10.79 4.27	119.88 8.28 6.36	97.51 6.43 4.50	97.51 6.18 4.11
RENSSELAER___COGEN 23796	179.72 7.23 0.00	145.82 6.00 0.00	128.35 5.45 0.00	132.26 5.65 0.00	146.58 6.30 0.00	168.43 5.67 -33.30	184.18 2.55 -120.76	158.40 3.26 -76.38	68.81 1.85 -22.41	71.44 2.69 0.47	105.71 2.98 3.48	79.65 2.37 2.15	62.74 1.87 1.22	65.95 1.96 1.47	51.59 1.62 0.73	55.89 1.48 1.09	66.27 1.82 2.07	112.01 2.92 4.10	135.13 3.77 1.73	118.41 3.74 2.53	145.93 3.94 5.09	116.64 3.58 4.88	95.19 3.07 3.46	95.71 3.44 3.15
REPUBLIC_115KV_BARTNBRK 55605	196.80 24.31 0.00	158.25 18.43 0.00	139.66 16.77 0.00	143.79 17.18 0.00	159.99 19.72 0.00	182.80 18.95 -34.39	209.07 9.60 -138.59	192.86 12.41 -101.69	80.06 6.55 -28.96	78.46 9.70 0.45	116.90 14.06 3.36	87.06 9.71 2.08	68.18 7.27 1.18	71.43 7.39 1.42	55.94 5.94 0.70	61.14 6.69 1.05	73.47 8.94 2.00	126.17 16.94 3.96	151.53 20.11 1.67	132.38 17.62 2.45	165.23 21.05 2.90	128.80 15.57 4.72	104.78 12.54 3.34	105.13 12.75 3.05
REVERE_CPPR_DRP 24186	179.27 6.78 0.00	145.53 5.72 0.00	127.88 4.99 0.00	131.58 4.97 0.00	146.26 5.98 0.00	136.49 5.43 -1.60	68.07 2.59 -4.60	83.76 3.22 -1.78	46.95 1.82 -0.58	69.33 2.69 2.58	91.04 3.93 19.10	69.88 2.24 11.78	56.92 1.54 6.71	59.01 1.59 8.04	47.83 1.11 3.99	50.75 1.22 5.96	56.98 1.82 11.37	95.12 4.43 22.50	129.25 5.63 9.46	107.94 4.63 13.89	133.15 5.18 19.10	95.01 3.85 26.79	79.20 2.59 18.96	80.50 2.37 17.30
REYNOLDS_115KV_TB3 80639	180.65 8.16 0.00	146.40 6.58 0.00	128.94 6.05 0.00	132.83 6.22 0.00	147.25 6.98 0.00	169.25 6.44 -33.35	186.66 3.00 -122.79	162.11 3.84 -79.52	69.96 2.19 -23.21	71.92 3.17 0.47	106.68 3.96 3.48	80.25 2.97 2.15	63.19 2.32 1.22	66.41 2.42 1.47	51.98 2.00 0.73	56.36 1.94 1.08	66.83 2.37 2.07	113.13 4.03 4.10	136.37 5.02 1.73	119.36 4.68 2.53	150.23 5.39 2.24	117.67 4.60 4.88	95.98 3.86 3.46	96.37 4.10 3.15
RIVERBAY____ 323610	185.74 13.25 0.00	150.19 10.38 0.00	131.98 9.08 -0.01	136.11 9.49 -0.01	150.61 10.33 -0.01	166.51 9.76 -27.29	153.87 4.81 -88.18	129.94 6.28 -44.90	62.01 3.63 -13.83	73.60 5.02 0.64	107.81 6.32 4.71	81.03 4.51 2.90	64.04 3.61 1.66	67.19 3.71 1.98	52.99 3.26 0.98	57.39 3.36 1.47	67.55 3.82 2.80	114.44 6.79 5.55	139.10 8.35 2.33	121.05 7.27 3.42	150.64 8.26 4.71	118.25 6.91 6.60	96.30 5.40 4.68	96.33 5.17 4.27
RIVERSDE_115KV_TB3 55908	180.36 7.87 0.00	146.26 6.44 0.00	128.81 5.92 0.00	132.70 6.09 0.00	147.08 6.80 0.00	169.09 6.21 -33.42	187.00 2.85 -123.27	162.46 3.66 -80.04	70.01 2.10 -23.35	71.80 3.06 0.47	106.39 3.66 3.47	80.09 2.81 2.14	63.08 2.21 1.22	66.30 2.31 1.46	51.86 1.89 0.72	56.21 1.80 1.08	66.64 2.18 2.06	112.74 3.63 4.09	135.95 4.59 1.72	119.09 4.41 2.52	149.02 4.84 2.90	117.37 4.28 4.87	95.74 3.61 3.45	96.19 3.91 3.14
ROARING___BROOK_WT_PWR 323790	171.02 -1.47 0.00	139.24 -0.57 0.00	122.32 -0.57 0.00	125.85 -0.76 0.00	139.33 -0.94 0.00	128.07 -1.39 0.00	60.09 -0.79 0.00	77.50 -1.26 0.00	43.74 -0.81 0.00	67.97 -0.97 0.27	103.64 -0.54 2.02	77.60 -0.57 1.24	61.02 -0.37 0.71	64.46 -0.15 0.85	50.01 -0.27 0.42	54.56 -0.31 0.63	64.88 -0.45 1.20	110.32 -0.50 2.38	131.45 -0.63 1.00	114.83 -0.91 1.47	143.91 -1.16 2.02	113.77 -1.36 2.83	91.69 -1.89 2.00	91.90 -1.70 1.83

ROCHESRG_115KV_T4 355643	142.42 -12.72 17.35	120.34 -9.68 9.79	107.90 -8.43 6.56	112.47 -8.81 5.33	122.07 -9.60 8.60	107.84 -8.69 12.93	53.04 -4.38 3.46	69.93 -5.94 2.90	41.96 -3.30 -0.71	49.21 -5.59 14.41	50.55 -9.26 46.40	44.55 -6.98 27.90	40.89 -5.65 15.55	39.77 -6.05 19.64	36.39 -4.70 9.62	33.41 -5.17 16.91	30.57 -6.17 29.78	43.00 -9.61 60.59	78.94 -10.94 43.20	65.10 -9.59 42.51	54.73 -11.65 80.69	30.91 -9.50 77.54	30.61 -7.55 57.41	42.13 -7.37 45.92
ROCHESTER_9_IC 23652	143.17 -11.71 17.61	120.97 -8.90 9.94	108.51 -7.72 6.66	113.10 -8.11 5.41	122.74 -8.81 8.73	108.38 -7.93 13.16	53.24 -4.02 3.62	70.30 -5.46 3.00	42.28 -3.03 -0.76	49.62 -5.19 14.41	51.90 -8.62 45.68	45.34 -6.55 27.54	41.70 -5.31 15.08	40.47 -5.70 19.29	36.82 -4.44 9.44	33.69 -4.86 16.94	30.94 -5.78 29.80	43.69 -8.86 60.65	79.58 -10.01 43.49	65.79 -8.79 42.63	55.24 -10.68 81.16	31.52 -8.74 77.69	31.09 -6.96 57.52	42.65 -6.81 45.96
ROCKVIEW_13_KV_LD 356306	184.98 12.49 0.00	149.55 9.73 0.00	131.58 8.68 0.00	135.63 9.02 0.00	150.11 9.84 0.00	166.09 9.35 -27.28	153.62 4.57 -88.18	129.56 5.90 -44.90	61.77 3.39 -13.83	73.35 4.77 0.63	107.56 6.07 4.71	80.74 4.22 2.91	63.84 3.40 1.66	66.95 3.47 1.98	52.77 3.05 0.98	57.21 3.19 1.47	67.34 3.61 2.80	114.08 6.43 5.55	138.57 7.82 2.33	120.71 6.93 3.42	150.79 8.42 4.71	118.24 6.90 6.60	96.29 5.39 4.68	96.45 5.30 4.27
ROME____115KV_TB2 80656	179.27 6.78 0.00	145.53 5.72 0.00	127.88 4.99 0.00	131.58 4.97 0.00	146.26 5.98 0.00	136.49 5.43 -1.60	68.07 2.59 -4.60	83.76 3.22 -1.78	46.95 1.82 -0.58	69.33 2.69 2.58	91.04 3.93 19.10	69.88 2.24 11.78	56.92 1.54 6.71	59.01 1.59 8.04	47.83 1.11 3.99	50.75 1.22 5.96	56.98 1.82 11.37	95.12 4.43 22.50	129.25 5.63 9.46	107.94 4.63 13.89	133.15 5.18 19.10	95.01 3.85 26.79	79.20 2.59 18.96	80.50 2.37 17.30
ROSETON___1 23587	182.54 10.05 0.00	147.56 7.75 0.00	129.85 6.96 0.00	133.79 7.18 0.00	148.15 7.88 0.00	164.24 7.51 -27.26	152.60 3.67 -88.05	128.22 4.72 -44.74	61.05 2.71 -13.79	72.32 3.74 0.64	106.02 4.53 4.72	79.59 3.08 2.91	62.97 2.53 1.66	66.07 2.60 1.99	52.04 2.32 0.98	56.44 2.41 1.47	66.50 2.78 2.81	112.65 5.02 5.56	136.88 6.13 2.34	119.22 5.45 3.43	148.95 6.59 4.72	116.71 5.38 6.62	95.12 4.23 4.69	95.33 4.18 4.28
ROSETON___2 23588	182.54 10.05 0.00	147.56 7.75 0.00	129.85 6.96 0.00	133.79 7.18 0.00	148.15 7.88 0.00	164.24 7.51 -27.26	152.60 3.67 -88.05	128.22 4.72 -44.74	61.05 2.71 -13.79	72.32 3.74 0.64	106.02 4.53 4.72	79.59 3.08 2.91	62.97 2.53 1.66	66.07 2.60 1.99	52.04 2.32 0.98	56.44 2.41 1.47	66.50 2.78 2.81	112.65 5.02 5.56	136.88 6.13 2.34	119.22 5.45 3.43	148.95 6.59 4.72	116.71 5.38 6.62	95.12 4.23 4.69	95.33 4.18 4.28
ROTRDAM_115KV_TB3 80664	179.83 7.34 0.00	145.57 5.76 0.00	128.05 5.15 0.00	131.90 5.29 0.00	146.19 5.91 0.00	169.86 5.63 -34.76	206.16 2.72 -142.57	189.11 3.51 -106.84	76.82 1.96 -30.30	71.48 2.72 0.45	106.26 3.41 3.36	79.65 2.30 2.07	62.71 1.80 1.18	65.91 1.87 1.42	51.56 1.56 0.70	56.10 1.65 1.05	66.72 2.19 2.00	113.50 4.26 3.96	136.61 5.19 1.67	119.32 4.56 2.45	149.57 5.56 3.07	117.64 4.40 4.72	95.74 3.50 3.34	95.89 3.51 3.04
RUSSELL___1 23602	144.09 -10.79 17.61	121.70 -8.18 9.94	109.15 -7.09 6.66	113.75 -7.45 5.41	123.50 -8.05 8.73	109.05 -7.25 13.16	53.58 -3.67 3.62	70.77 -5.00 3.00	42.52 -2.79 -0.76	50.03 -4.78 14.41	52.50 -8.02 45.68	45.80 -6.09 27.54	42.05 -4.97 15.08	40.83 -5.33 19.29	37.10 -4.16 9.44	34.00 -4.55 16.94	31.36 -5.36 29.80	44.44 -8.10 60.65	80.43 -9.16 43.50	66.55 -8.02 42.63	56.18 -9.74 81.17	32.26 -8.00 77.69	31.67 -6.39 57.52	43.19 -6.28 45.96
RUSSELL___2 23532	144.09 -10.79 17.61	121.70 -8.18 9.94	109.15 -7.09 6.66	113.75 -7.45 5.41	123.50 -8.05 8.73	109.05 -7.25 13.16	53.58 -3.67 3.62	70.77 -5.00 3.00	42.52 -2.79 -0.76	50.03 -4.78 14.41	52.50 -8.02 45.68	45.80 -6.09 27.54	42.05 -4.97 15.08	40.83 -5.33 19.29	37.10 -4.16 9.44	34.00 -4.55 16.94	31.36 -5.36 29.80	44.44 -8.10 60.65	80.43 -9.16 43.50	66.55 -8.02 42.63	56.18 -9.74 81.17	32.26 -8.00 77.69	31.67 -6.39 57.52	43.19 -6.28 45.96
RUSSELL___3 23549	144.09 -10.79 17.61	121.70 -8.18 9.94	109.15 -7.09 6.66	113.75 -7.45 5.41	123.50 -8.05 8.73	109.05 -7.25 13.16	53.58 -3.67 3.62	70.77 -5.00 3.00	42.52 -2.79 -0.76	50.03 -4.78 14.41	52.50 -8.02 45.68	45.80 -6.09 27.54	42.05 -4.97 15.08	40.83 -5.33 19.29	37.10 -4.16 9.44	34.00 -4.55 16.94	31.36 -5.36 29.80	44.44 -8.10 60.65	80.43 -9.16 43.50	66.55 -8.02 42.63	56.18 -9.74 81.17	32.26 -8.00 77.69	31.67 -6.39 57.52	43.19 -6.28 45.96
RUSSELL___4 23556	144.09 -10.79 17.61	121.70 -8.18 9.94	109.15 -7.09 6.66	113.75 -7.45 5.41	123.50 -8.05 8.73	109.05 -7.25 13.16	53.58 -3.67 3.62	70.77 -5.00 3.00	42.52 -2.79 -0.76	50.03 -4.78 14.41	52.50 -8.02 45.68	45.80 -6.09 27.54	42.05 -4.97 15.08	40.83 -5.33 19.29	37.10 -4.16 9.44	34.00 -4.55 16.94	31.36 -5.36 29.80	44.44 -8.10 60.65	80.43 -9.16 43.50	66.55 -8.02 42.63	56.18 -9.74 81.17	32.26 -8.00 77.69	31.67 -6.39 57.52	43.19 -6.28 45.96
RUSSELL___STATION 23914	144.09 -10.79 17.61	121.70 -8.18 9.94	109.15 -7.09 6.66	113.75 -7.45 5.41	123.50 -8.05 8.73	109.05 -7.25 13.16	53.58 -3.67 3.62	70.77 -5.00 3.00	42.52 -2.79 -0.76	50.03 -4.78 14.41	52.50 -8.02 45.68	45.80 -6.09 27.54	42.05 -4.97 15.08	40.83 -5.33 19.29	37.10 -4.16 9.44	34.00 -4.55 16.94	31.36 -5.36 29.80	44.44 -8.10 60.65	80.43 -9.16 43.50	66.55 -8.02 42.63	56.18 -9.74 81.17	32.26 -8.00 77.69	31.67 -6.39 57.52	43.19 -6.28 45.96
S SALMON___HYD 24043	172.71 0.22 0.00	140.37 0.56 0.00	123.06 0.17 0.00	126.52 -0.10 0.00	140.85 0.58 0.00	132.32 0.31 -2.54	68.02 -0.19 -7.33	80.94 -0.65 -2.83	45.02 -0.45 -0.92	63.44 -0.90 4.88	69.03 -1.04 36.14	55.83 -1.29 22.30	48.08 -1.31 12.70	49.04 -1.19 15.22	41.97 -1.19 7.54	43.11 -1.11 11.28	43.81 -1.20 21.52	70.43 -0.19 42.58	115.39 0.22 17.91	90.78 -0.15 26.28	109.46 -1.47 36.15	65.95 -1.30 50.71	57.98 -1.70 35.89	60.74 -1.95 32.74
S.PERRY___115KV_TB1 80734	121.00 -7.14 44.35	109.59 -5.18 25.04	101.84 -4.28 16.77	108.59 -4.40 13.62	113.37 -4.91 21.99	87.23 -4.43 37.81	34.32 -2.39 24.17	60.50 -3.13 15.13	43.51 -1.97 -0.92	40.13 -4.80 24.28	68.25 -9.05 28.91	53.85 -7.06 18.52	54.03 -5.62 2.44	48.13 -6.19 11.14	40.79 -4.78 5.13	29.29 -5.01 21.19	27.51 -4.94 34.08	35.46 -6.04 71.69	51.83 -5.80 75.45	54.71 -5.17 57.33	5.89 -6.05 135.15	13.07 -5.80 99.08	15.26 -4.75 75.57	36.85 -5.14 53.43
SAWYER_23_KV_LOAD_REV_LBMP_A 345024	125.57 -17.55 29.37	109.97 -13.27 16.58	100.22 -11.57 11.10	105.48 -12.12 9.02	112.45 -13.27 14.55	93.82 -12.05 23.60	43.22 -6.28 11.37	62.41 -8.68 7.67	39.77 -4.81 -0.04	40.71 -7.87 20.63	43.25 -13.13 49.83	40.52 -9.90 29.00	36.82 -7.89 17.39	35.68 -8.37 21.41	33.68 -6.59 10.43	29.70 -7.31 18.49	26.50 -8.96 31.07	34.77 -14.12 64.30	59.77 -16.28 57.03	54.80 -14.06 48.34	26.14 -16.75 104.19	18.73 -13.52 85.69	19.89 -10.55 65.14	36.84 -10.27 48.31

SAWYER___23_KV_LOAD 55526	125.57 -17.55 29.37	109.97 -13.27 16.58	100.22 -11.57 11.10	105.48 -12.12 9.02	112.45 -13.27 14.55	93.82 -12.05 23.60	43.22 -6.28 11.37	62.41 -8.68 7.67	39.77 -4.81 -0.04	40.71 -7.87 20.63	43.25 -13.13 49.83	40.52 -9.90 29.00	36.82 -7.89 17.39	35.68 -8.37 21.41	33.68 -6.59 10.43	29.70 -7.31 18.49	26.50 -8.96 31.07	34.77 -14.12 64.30	59.77 -16.28 57.03	54.80 -14.06 48.34	26.14 -16.75 104.19	18.73 -13.52 85.69	19.89 -10.55 65.14	36.84 -10.27 48.31
SELKIRK___I 23801	179.94 7.45 0.00	145.93 6.11 0.00	128.44 5.55 0.00	132.30 5.69 0.00	146.65 6.38 0.00	168.13 5.83 -32.84	178.51 2.67 -114.96	150.63 3.35 -68.51	66.76 1.85 -20.35	71.25 2.51 0.48	105.28 2.63 3.55	79.25 2.02 2.19	62.42 1.58 1.25	65.63 1.66 1.50	51.33 1.37 0.74	55.71 1.32 1.11	66.35 1.93 2.11	112.56 3.55 4.18	135.69 4.37 1.76	118.74 4.12 2.58	147.42 4.68 4.34	116.99 4.02 4.98	95.41 3.36 3.53	95.78 3.57 3.22
SELKIRK___II 23799	179.43 6.94 0.00	145.45 5.63 0.00	128.00 5.11 0.00	131.87 5.26 0.00	146.14 5.87 0.00	168.00 5.38 -33.16	180.21 2.47 -116.87	152.40 3.15 -70.49	67.24 1.80 -20.89	71.28 2.53 0.47	105.61 2.89 3.49	79.44 2.17 2.15	62.59 1.73 1.22	65.81 1.83 1.47	51.50 1.53 0.73	55.86 1.45 1.09	66.25 1.80 2.08	112.19 3.10 4.11	135.29 3.93 1.73	118.41 3.74 2.54	146.82 4.15 4.41	116.66 3.61 4.89	95.13 3.02 3.46	95.49 3.22 3.16
SENECA OSWGO___HYD 24041	170.28 -2.21 0.00	138.03 -1.79 0.00	121.26 -1.63 0.00	124.76 -1.85 0.00	138.55 -1.72 0.00	130.79 -1.57 -2.89	68.41 -0.81 -8.34	80.76 -1.22 -3.22	44.90 -0.69 -1.04	62.28 -1.41 5.52	62.87 -2.41 40.92	52.11 -2.06 25.25	45.97 -1.75 14.38	46.39 -1.84 17.23	40.72 -1.45 8.54	41.23 -1.50 12.77	40.65 -1.52 24.37	63.30 -1.68 48.21	111.12 -1.68 20.28	85.88 -1.57 29.76	103.60 -2.55 40.93	58.32 -2.22 57.41	52.71 -2.24 40.63	55.97 -2.38 37.07
SENECA___115KV_TB3 355854	126.31 -14.62 31.56	110.95 -10.99 17.88	101.39 -9.53 11.97	106.87 -10.02 9.72	113.63 -10.94 15.70	93.91 -9.90 25.65	42.73 -5.29 12.86	62.85 -7.38 8.52	40.42 -4.08 0.04	40.83 -6.74 21.65	44.85 -11.48 49.87	41.78 -8.71 28.93	37.76 -6.99 17.35	36.60 -7.40 21.46	34.43 -5.83 10.44	30.32 -6.40 18.78	27.44 -7.78 31.31	36.08 -12.15 64.96	59.59 -13.86 59.64	55.77 -11.99 49.44	24.35 -14.27 108.46	19.18 -11.62 87.15	19.93 -9.10 66.55	37.74 -8.91 48.78
SENECA___ENERGY 23797	158.94 -7.14 6.40	130.58 -5.62 3.61	115.64 -4.83 2.42	119.52 -5.13 1.97	131.48 -5.62 3.17	122.55 -4.78 2.13	66.10 -2.10 -7.32	79.28 -2.79 -3.32	44.65 -1.65 -1.74	57.55 -3.19 8.48	59.00 -5.46 41.75	49.39 -4.36 25.68	44.56 -3.57 13.97	44.05 -3.88 17.52	39.12 -2.95 8.63	38.05 -3.07 14.37	36.75 -3.29 26.49	55.17 -5.00 53.03	98.82 -5.42 28.84	77.86 -4.73 34.62	85.14 -6.16 55.78	47.72 -5.11 65.13	44.33 -4.30 46.95	50.60 -4.30 40.52
SHOEMAKER___GT 23640	181.34 8.85 0.00	146.62 6.81 0.00	128.96 6.07 0.00	132.88 6.27 0.00	147.17 6.90 0.00	160.97 6.57 -24.94	144.68 3.21 -80.60	123.90 4.11 -41.03	59.49 2.30 -12.64	71.53 3.01 0.69	104.52 3.45 5.13	78.50 2.24 3.16	62.12 1.83 1.80	65.17 1.87 2.16	51.36 1.72 1.07	55.72 1.82 1.60	65.71 2.23 3.05	111.48 4.32 6.04	135.97 5.43 2.54	118.29 4.81 3.73	147.72 5.77 5.13	115.48 4.72 7.19	94.15 3.67 5.09	94.37 3.59 4.64
SHOEMAKR_138KV_BK 111 55601	181.26 8.77 0.00	146.55 6.74 0.00	128.91 6.02 0.00	132.83 6.22 0.00	147.10 6.82 0.00	160.77 6.54 -24.77	144.13 3.19 -80.06	123.60 4.08 -40.76	59.41 2.30 -12.55	71.55 3.04 0.70	104.57 3.52 5.16	78.57 2.33 3.18	62.17 1.88 1.81	65.23 1.95 2.17	51.40 1.78 1.08	55.74 1.85 1.61	65.68 2.22 3.07	111.40 4.28 6.07	135.86 5.33 2.55	118.19 4.73 3.75	147.58 5.66 5.16	115.38 4.66 7.23	94.08 3.62 5.12	94.28 3.53 4.67
SHOREHAM_IC_1 23715	187.06 14.58 0.00	152.19 12.37 0.00	133.79 10.90 0.00	138.06 11.45 0.00	152.68 12.40 0.00	168.70 11.97 -27.27	155.36 6.34 -88.15	131.55 7.90 -44.89	62.64 4.26 -13.82	74.51 5.94 0.63	109.40 7.91 4.71	82.00 5.48 2.91	64.60 4.16 1.66	67.71 4.23 1.98	53.42 3.70 0.98	58.20 4.17 1.47	68.88 5.16 2.81	119.45 10.11 3.86	142.58 11.83 2.33	127.77 10.89 0.33	158.35 13.07 1.80	128.42 10.44 -0.03	98.61 7.72 4.68	98.74 7.58 4.27
SHOREHAM_IC_2 23716	187.06 14.58 0.00	152.19 12.37 0.00	133.79 10.90 0.00	138.06 11.45 0.00	152.68 12.40 0.00	168.70 11.97 -27.27	155.36 6.34 -88.15	131.55 7.90 -44.89	62.64 4.26 -13.82	74.51 5.94 0.63	109.40 7.91 4.71	82.00 5.48 2.91	64.60 4.16 1.66	67.71 4.23 1.98	53.42 3.70 0.98	58.20 4.17 1.47	68.88 5.16 2.81	119.45 10.11 3.86	142.58 11.83 2.33	127.77 10.89 0.33	158.35 13.07 1.80	128.42 10.44 -0.03	98.61 7.72 4.68	98.74 7.58 4.27
SISSONVILLE____ 23735	173.65 1.16 0.00	140.96 1.14 0.00	123.66 0.77 0.00	127.37 0.76 0.00	140.53 0.26 0.00	129.02 -0.93 -0.49	61.53 -0.74 -1.40	78.29 -1.01 -0.54	44.10 -0.63 -0.18	67.73 -0.59 0.89	100.62 1.04 6.63	77.61 2.28 4.09	61.70 1.94 2.33	64.83 2.16 2.79	50.64 1.32 1.38	54.99 1.57 2.07	63.70 1.12 3.95	106.78 1.39 7.81	131.27 1.47 3.29	113.48 1.47 4.82	142.60 2.15 6.63	110.45 1.80 9.30	90.17 1.18 6.58	90.78 1.36 6.01
SITHE_IND_GS1 24169	164.19 -8.30 0.00	133.17 -6.64 0.00	117.11 -5.78 0.00	120.58 -6.04 0.00	133.69 -6.58 0.00	125.72 -5.97 -2.23	64.47 -2.83 -6.42	77.49 -3.75 -2.48	43.26 -2.09 -0.80	57.81 -3.51 7.90	42.11 -5.51 58.59	39.08 -4.20 36.15	38.20 -3.30 20.59	37.31 -3.47 24.68	35.84 -2.63 12.23	34.33 -2.88 18.29	28.23 -3.42 34.89	38.47 -5.70 69.02	97.40 -6.65 29.03	68.75 -5.85 42.60	81.03 -7.45 58.61	29.84 -5.91 82.20	32.53 -4.87 58.18	37.46 -4.90 53.07
SITHE_IND_GS2 24170	164.19 -8.30 0.00	133.17 -6.64 0.00	117.11 -5.78 0.00	120.58 -6.04 0.00	133.69 -6.58 0.00	125.72 -5.97 -2.23	64.47 -2.83 -6.42	77.49 -3.75 -2.48	43.26 -2.09 -0.80	57.81 -3.51 7.90	42.11 -5.51 58.59	39.08 -4.20 36.15	38.20 -3.30 20.59	37.31 -3.47 24.68	35.84 -2.63 12.23	34.33 -2.88 18.29	28.23 -3.42 34.89	38.47 -5.70 69.02	97.40 -6.65 29.03	68.75 -5.85 42.60	81.03 -7.45 58.61	29.84 -5.91 82.20	32.53 -4.87 58.18	37.46 -4.90 53.07
SITHE_IND_GS3 24171	164.19 -8.30 0.00	133.17 -6.64 0.00	117.11 -5.78 0.00	120.58 -6.04 0.00	133.69 -6.58 0.00	125.72 -5.97 -2.23	64.47 -2.83 -6.42	77.49 -3.75 -2.48	43.26 -2.09 -0.80	57.81 -3.51 7.90	42.11 -5.51 58.59	39.08 -4.20 36.15	38.20 -3.30 20.59	37.31 -3.47 24.68	35.84 -2.63 12.23	34.33 -2.88 18.29	28.23 -3.42 34.89	38.47 -5.70 69.02	97.40 -6.65 29.03	68.75 -5.85 42.60	81.03 -7.45 58.61	29.84 -5.91 82.20	32.53 -4.87 58.18	37.46 -4.90 53.07
SITHE_IND_GS4 24172	164.19 -8.30 0.00	133.17 -6.64 0.00	117.11 -5.78 0.00	120.58 -6.04 0.00	133.69 -6.58 0.00	125.72 -5.97 -2.23	64.47 -2.83 -6.42	77.49 -3.75 -2.48	43.26 -2.09 -0.80	57.81 -3.51 7.90	42.11 -5.51 58.59	39.08 -4.20 36.15	38.20 -3.30 20.59	37.31 -3.47 24.68	35.84 -2.63 12.23	34.33 -2.88 18.29	28.23 -3.42 34.89	38.47 -5.70 69.02	97.40 -6.65 29.03	68.75 -5.85 42.60	81.03 -7.45 58.61	29.84 -5.91 82.20	32.53 -4.87 58.18	37.46 -4.90 53.07

STATE_ST_34_KV_LOAD 55959	180.18 -3.04 -10.73	143.52 -2.35 -6.06	124.99 -1.95 -4.06	127.73 -2.18 -3.29	143.02 -2.56 -5.32	142.11 -1.79 -14.44	83.19 -0.78 -23.09	89.87 -1.35 -12.46	46.57 -0.84 -2.85	67.36 -1.85 0.00	62.77 -3.22 40.21	51.52 -2.70 25.21	44.95 -2.42 14.72	45.95 -2.61 16.90	40.29 -1.97 8.45	42.76 -1.83 10.91	42.44 -1.73 22.36	67.25 -2.73 43.21	123.45 -2.41 7.22	91.62 -2.08 23.51	125.58 -2.88 18.62	67.34 -2.49 48.13	60.91 -2.14 32.52	59.59 -2.21 33.63
STATION_5_MISC_HYD 23604	143.16 -11.72 17.61	120.94 -8.94 9.94	108.52 -7.71 6.66	113.09 -8.12 5.41	122.74 -8.81 8.73	108.29 -8.02 13.16	53.23 -4.02 3.62	70.27 -5.50 3.00	42.28 -3.03 -0.76	49.65 -5.15 14.41	52.10 -8.43 45.68	45.51 -6.38 27.54	41.82 -5.19 15.08	40.59 -5.57 19.29	36.87 -4.40 9.44	33.68 -4.87 16.94	30.92 -5.81 29.80	43.69 -8.85 60.65	79.63 -9.95 43.49	65.81 -8.77 42.63	55.31 -10.61 81.16	31.62 -8.64 77.69	31.15 -6.91 57.52	42.72 -6.75 45.96
STA_168_34_KV_BK1_2_REV_LBMP_B 345032	147.07 -7.91 17.50	123.89 -6.05 9.88	111.01 -5.26 6.62	115.68 -5.56 5.37	125.64 -5.96 8.67	111.21 -5.19 13.06	54.84 -2.49 3.54	72.44 -3.37 2.95	43.40 -1.92 -0.76	51.31 -3.53 14.38	54.53 -6.19 45.49	47.13 -4.87 27.42	43.07 -4.00 15.02	41.89 -4.36 19.21	37.94 -3.36 9.40	35.06 -3.57 16.87	32.85 -4.00 29.67	47.03 -5.78 60.39	83.38 -6.43 43.27	69.10 -5.67 42.43	59.24 -7.08 80.76	34.67 -5.94 77.34	33.48 -4.84 57.26	44.82 -4.84 45.76
STA_56_34_KV_BUS2_REV_LBMP_B 345033	143.11 -12.13 17.24	120.84 -9.24 9.73	108.31 -8.07 6.52	112.86 -8.46 5.29	122.54 -9.19 8.54	108.36 -8.28 12.83	53.37 -4.14 3.37	70.30 -5.62 2.84	42.20 -3.12 -0.77	49.68 -5.29 14.24	51.74 -8.79 45.68	45.20 -6.67 27.55	41.59 -5.40 15.10	40.37 -5.79 19.29	36.75 -4.51 9.44	33.67 -4.94 16.89	30.95 -5.83 29.75	43.69 -9.00 60.51	79.77 -10.25 43.05	65.77 -9.00 42.43	55.69 -10.98 80.41	31.57 -8.97 77.41	31.13 -7.18 57.27	42.53 -7.03 45.86
STA_56___34_KV_BUS2 355983	143.11 -12.13 17.24	120.84 -9.24 9.73	108.31 -8.07 6.52	112.86 -8.46 5.29	122.54 -9.19 8.54	108.36 -8.28 12.83	53.37 -4.14 3.37	70.30 -5.62 2.84	42.20 -3.12 -0.77	49.68 -5.29 14.24	51.74 -8.79 45.68	45.20 -6.67 27.55	41.59 -5.40 15.10	40.37 -5.79 19.29	36.75 -4.51 9.44	33.67 -4.94 16.89	30.95 -5.83 29.75	43.69 -9.00 60.51	79.77 -10.25 43.05	65.77 -9.00 42.43	55.69 -10.98 80.41	31.57 -8.97 77.41	31.13 -7.18 57.27	42.53 -7.03 45.86
STA_67___115KV_BK2 355882	142.82 -9.19 17.57	120.70 -9.19 9.92	108.22 -8.03 6.64	112.83 -8.39 5.40	122.46 -9.10 8.71	108.12 -8.22 13.13	53.11 -4.16 3.60	70.13 -5.65 2.98	42.16 -3.15 -0.76	49.48 -5.35 14.39	51.63 -8.89 45.68	45.15 -6.73 27.54	41.56 -5.45 15.08	40.31 -5.85 19.29	36.71 -4.55 9.44	33.57 -4.99 16.94	30.79 -5.94 29.80	43.39 -9.17 60.64	79.22 -10.41 43.45	65.48 -9.12 42.61	54.91 -11.08 81.09	31.23 -9.05 77.67	30.88 -7.19 57.50	42.44 -7.03 45.95
STA_7___115KV_9TRANS 80674	144.09 -10.79 17.61	121.70 -8.18 9.94	109.15 -7.09 6.66	113.75 -7.45 5.41	123.50 -8.05 8.73	109.05 -7.25 13.16	53.58 -3.67 3.62	70.77 -5.00 3.00	42.52 -2.79 -0.76	50.03 -4.78 14.41	52.50 -8.02 45.68	45.80 -6.09 27.54	42.05 -4.97 15.08	40.83 -5.33 19.29	37.10 -4.16 9.44	34.00 -4.55 16.94	31.36 -5.36 29.80	44.44 -8.10 60.65	80.43 -9.16 43.50	66.55 -8.02 42.63	56.18 -9.74 81.17	32.26 -8.00 77.69	31.67 -6.39 57.52	43.19 -6.28 45.96
STA_82___115KV_TB1 80780	142.70 -12.04 17.75	120.62 -9.16 10.03	108.21 -7.96 6.72	112.81 -8.35 5.46	122.41 -9.05 8.81	107.99 -8.17 13.30	53.03 -4.13 3.72	70.09 -5.62 3.05	42.18 -3.13 -0.75	49.41 -5.34 14.47	51.68 -8.87 45.65	45.19 -6.72 27.52	41.58 -5.45 15.06	40.33 -5.85 19.28	36.71 -4.55 9.43	33.55 -4.99 16.96	30.79 -5.93 29.81	43.40 -9.11 60.68	79.06 -10.35 43.67	65.45 -9.06 42.69	54.63 -11.03 81.43	31.16 -9.02 77.76	30.80 -7.17 57.60	42.43 -7.01 45.98
STEEL___WIND 323596	125.83 -15.10 31.56	110.64 -11.30 17.88	101.24 -9.67 11.97	106.67 -10.22 9.72	113.36 -11.21 15.70	93.52 -10.29 25.65	42.56 -5.46 12.86	62.67 -7.56 8.52	40.30 -4.21 0.04	40.76 -6.80 21.65	44.88 -11.46 49.87	41.82 -8.67 28.93	37.78 -6.96 17.35	36.62 -7.38 21.46	34.39 -5.87 10.44	30.19 -6.54 18.78	27.30 -7.93 31.31	35.87 -12.36 64.96	59.45 -13.99 59.64	55.52 -12.24 49.44	24.15 -14.47 108.46	19.02 -11.78 87.15	19.73 -9.29 66.55	37.53 -9.11 48.78
STEPHTWN_115KV_BK_2 55603	182.50 10.01 0.00	147.72 7.90 0.00	129.94 7.05 0.00	133.82 7.21 0.00	148.47 8.20 0.00	170.15 7.39 -33.30	185.08 3.45 -120.76	159.59 4.45 -76.38	69.48 2.52 -22.41	72.42 3.68 0.47	107.21 4.49 3.48	80.55 3.27 2.15	63.33 2.46 1.22	66.60 2.61 1.47	52.05 2.08 0.73	56.54 2.13 1.09	67.10 2.65 2.07	113.71 4.61 4.10	137.19 5.83 1.73	119.96 5.28 2.53	148.03 6.04 5.09	118.37 5.30 4.88	96.50 4.38 3.46	97.04 4.77 3.15
STEUBEN_REC_LFGE 323667	57.35 -13.85 101.28	72.40 -10.24 57.17	76.21 -8.39 38.29	87.14 -8.37 31.11	80.32 -9.75 50.20	28.25 -9.34 91.87	-17.00 -4.61 73.26	29.22 -5.96 43.58	38.13 -3.40 3.03	9.52 -5.94 53.75	54.63 -10.96 40.61	47.94 -8.66 22.83	50.09 -6.74 5.26	41.14 -7.67 16.65	37.32 -5.89 7.50	17.70 -6.16 31.63	14.20 -6.50 45.83	3.38 -9.41 100.40	-22.41 -9.83 145.66	16.10 -9.27 91.83	-117.96 -9.46 255.58	-42.87 -9.87 150.96	-33.18 -7.95 120.80	12.79 -9.30 73.33
STILLWATER___SOLAR 323814	185.04 12.55 0.00	149.70 9.88 0.00	131.66 8.77 0.00	135.63 9.01 0.00	150.49 10.21 0.00	173.42 9.70 -34.25	202.82 4.72 -137.22	184.76 6.09 -99.90	76.43 3.38 -28.49	73.59 4.83 0.45	109.23 6.39 3.36	81.76 4.41 2.08	64.28 3.37 1.18	67.50 3.46 1.42	52.84 2.84 0.70	57.58 3.14 1.05	68.72 4.19 2.00	117.09 7.86 3.96	140.78 9.37 1.67	123.04 8.29 2.45	154.35 10.11 2.84	121.14 7.90 4.72	98.60 6.37 3.34	98.84 6.46 3.05
STONY___BROOK 24151	187.11 14.62 0.00	152.35 12.53 0.00	133.96 11.07 0.00	138.26 11.65 0.00	152.85 12.58 0.00	168.85 12.11 -27.27	155.15 6.13 -88.15	131.35 7.70 -44.89	62.59 4.21 -13.82	74.45 5.87 0.63	109.30 7.81 4.71	81.93 5.41 2.91	64.56 4.12 1.66	67.71 4.23 1.98	53.42 3.70 0.98	58.13 4.11 1.47	68.70 4.97 2.81	119.05 9.71 3.86	142.38 11.63 2.33	127.39 10.52 0.33	157.97 12.69 1.80	128.14 10.16 -0.03	98.51 7.61 4.68	98.62 7.46 4.27
STURGEON_POOL_HYD 23609	183.99 11.50 0.00	148.66 8.85 0.00	130.75 7.86 0.00	134.73 8.12 0.00	149.19 8.92 0.00	165.89 8.49 -27.94	156.93 4.13 -91.93	132.75 5.36 -48.63	62.45 3.05 -14.84	72.83 4.24 0.62	106.83 5.20 4.58	80.12 3.52 2.82	63.33 2.85 1.61	66.47 2.94 1.93	52.34 2.59 0.96	56.83 2.76 1.43	67.07 3.27 2.73	113.86 6.05 5.39	138.24 7.43 2.26	120.42 6.54 3.33	150.32 7.98 4.74	117.94 6.41 6.42	96.01 4.98 4.54	96.08 4.79 4.14
ST_LAW_115_BK7_LBMP 345037	170.34 -2.14 0.00	138.29 -1.52 0.00	121.41 -1.48 0.00	125.16 -1.46 0.00	138.42 -1.86 0.00	127.42 -2.04 0.00	59.83 -1.04 0.00	77.47 -1.29 0.00	43.83 -0.72 0.00	68.25 -0.63 0.34	104.08 0.37 2.50	78.82 0.93 1.54	61.97 0.75 0.88	65.22 0.82 1.05	50.58 0.40 0.52	55.26 0.54 0.78	65.38 0.34 1.49	110.37 0.12 2.94	131.62 -0.23 1.24	115.11 -0.28 1.82	144.72 0.14 2.50	114.43 -0.02 3.50	93.11 0.01 2.48	93.36 0.20 2.26

V_F_30_SYNC_DSASP 323786	180.62 8.13 0.00	146.51 6.69 0.00	128.99 6.10 0.00	132.88 6.27 0.00	147.26 6.99 0.00	169.41 6.33 -33.62	189.50 2.90 -125.73	165.87 3.74 -83.37	70.92 2.15 -24.22	71.90 3.15 0.47	106.45 3.70 3.45	80.20 2.91 2.13	63.16 2.28 1.21	66.38 2.37 1.46	51.91 1.93 0.72	56.27 1.85 1.08	66.74 2.27 2.06	112.87 3.74 4.07	136.11 4.73 1.71	119.25 4.56 2.51	148.72 4.91 3.27	117.49 4.38 4.85	95.85 3.70 3.43	96.32 4.02 3.13
V_XM_10_SYNC_DSASP 323789	173.86 1.37 0.00	141.17 1.35 0.00	123.88 0.99 0.00	127.80 1.19 0.00	141.64 1.37 0.00	130.56 1.10 0.00	61.04 0.16 0.00	78.84 0.07 0.00	44.74 0.19 0.00	69.30 0.41 0.33	105.09 1.32 2.43	79.79 1.87 1.50	62.49 1.25 0.86	65.91 1.48 1.02	51.11 0.92 0.51	55.82 1.08 0.76	66.25 1.17 1.45	112.96 2.63 2.86	134.65 2.77 1.21	117.58 2.14 1.77	146.30 1.65 2.43	114.82 0.28 3.41	93.00 -0.16 2.42	94.33 1.11 2.20
W.NYACK_69_KV_BK 521_REV_LBMP_G 345027	183.66 11.17 0.00	148.38 8.57 0.00	130.57 7.68 0.00	134.58 7.97 0.00	148.93 8.66 0.00	164.05 8.27 -26.32	150.00 4.05 -85.07	127.27 5.19 -43.31	60.85 2.95 -13.34	72.64 4.08 0.66	106.34 5.02 4.88	79.86 3.44 3.01	63.16 2.78 1.72	66.27 2.87 2.06	52.25 2.56 1.02	56.67 2.69 1.52	66.73 3.11 2.91	113.04 5.59 5.75	137.47 6.81 2.42	119.67 6.01 3.55	149.50 7.30 4.88	117.12 6.02 6.85	95.45 4.72 4.84	95.58 4.58 4.42
W49TH_ST_138_KV_38M43_REV_LBMP_J 345008	184.41 11.93 0.00	149.06 9.24 0.00	131.19 8.30 0.00	135.24 8.63 0.00	149.61 9.34 0.00	165.61 8.87 -27.27	153.40 4.36 -88.17	129.32 5.67 -44.89	61.67 3.30 -13.82	73.18 4.60 0.63	107.28 5.78 4.71	80.55 4.04 2.91	63.73 3.29 1.66	66.81 3.33 1.98	52.68 2.96 0.98	57.09 3.06 1.47	67.07 3.34 2.81	113.58 5.93 5.55	137.91 7.16 2.33	120.12 6.34 3.42	150.04 7.68 4.71	117.73 6.39 6.60	95.90 5.00 4.68	96.05 4.89 4.27
W50THST__13_KV_LOAD 356117	185.20 12.71 0.00	149.66 9.85 0.00	131.68 8.79 0.00	135.81 9.20 0.00	150.19 9.92 0.00	166.19 9.45 -27.27	153.68 4.63 -88.17	129.67 6.01 -44.89	61.89 3.51 -13.82	73.54 4.97 0.63	107.79 6.30 4.71	80.94 4.42 2.91	64.03 3.59 1.66	67.13 3.66 1.98	52.93 3.21 0.98	57.37 3.34 1.47	67.32 3.60 2.81	114.02 6.38 5.55	138.41 7.66 2.33	120.54 6.76 3.42	150.63 8.26 4.71	118.21 6.87 6.60	96.32 5.42 4.68	96.40 5.25 4.27
WADING RIVER_IC_1 23522	186.86 14.37 0.00	151.99 12.17 0.00	133.61 10.72 0.00	137.92 11.31 0.00	152.49 12.21 0.00	168.55 11.82 -27.27	155.30 6.28 -88.15	131.47 7.82 -44.89	62.60 4.22 -13.82	74.45 5.88 0.63	109.35 7.86 4.71	81.98 5.46 2.91	64.58 4.15 1.66	67.69 4.22 1.98	53.41 3.69 0.98	58.19 4.16 1.47	68.84 5.12 2.81	119.42 10.08 3.86	142.45 11.70 2.33	127.68 10.81 0.33	158.25 12.97 1.80	128.32 10.33 -0.03	98.52 7.62 4.68	98.65 7.49 4.27
WADING RIVER_IC_2 23547	186.86 14.37 0.00	151.99 12.17 0.00	133.61 10.72 0.00	137.92 11.31 0.00	152.49 12.21 0.00	168.55 11.82 -27.27	155.30 6.28 -88.15	131.47 7.82 -44.89	62.60 4.22 -13.82	74.45 5.88 0.63	109.35 7.86 4.71	81.98 5.46 2.91	64.58 4.15 1.66	67.69 4.22 1.98	53.41 3.69 0.98	58.19 4.16 1.47	68.84 5.12 2.81	119.42 10.08 3.86	142.45 11.70 2.33	127.68 10.81 0.33	158.25 12.97 1.80	128.32 10.33 -0.03	98.52 7.62 4.68	98.65 7.49 4.27
WADING RIVER_IC_3 23601	186.86 14.37 0.00	151.99 12.17 0.00	133.61 10.72 0.00	137.92 11.31 0.00	152.49 12.21 0.00	168.55 11.82 -27.27	155.30 6.28 -88.15	131.47 7.82 -44.89	62.60 4.22 -13.82	74.45 5.88 0.63	109.35 7.86 4.71	81.98 5.46 2.91	64.58 4.15 1.66	67.69 4.22 1.98	53.41 3.69 0.98	58.19 4.16 1.47	68.84 5.12 2.81	119.42 10.08 3.86	142.45 11.70 2.33	127.68 10.81 0.33	158.25 12.97 1.80	128.32 10.33 -0.03	98.52 7.62 4.68	98.65 7.49 4.27
WALDENNY_12_KV_BK2 80841	126.69 -14.78 31.02	111.06 -11.15 17.60	101.41 -9.69 11.79	106.86 -10.18 9.57	113.69 -11.13 15.45	94.23 -10.02 25.21	43.03 -5.33 12.51	63.01 -7.45 8.30	40.41 -4.13 0.01	41.06 -6.78 21.37	44.94 -11.51 49.75	41.77 -8.76 28.90	37.79 -7.00 17.29	36.61 -7.44 21.40	34.41 -5.88 10.42	30.34 -6.46 18.70	27.43 -7.86 31.24	36.14 -12.27 64.78	60.03 -14.00 59.05	55.92 -12.09 49.19	25.28 -14.40 107.40	19.49 -11.69 86.76	20.25 -9.12 66.21	37.77 -8.98 48.67
WALDEN__HYDRO 24148	183.57 11.08 0.00	148.36 8.54 0.00	130.49 7.60 0.00	134.47 7.86 0.00	148.91 8.64 0.00	164.15 8.26 -26.42	150.41 4.02 -85.51	127.60 5.19 -43.65	60.91 2.92 -13.43	72.53 3.97 0.66	106.16 4.82 4.86	79.67 3.24 3.00	62.99 2.61 1.71	66.10 2.69 2.05	52.07 2.38 1.02	56.51 2.53 1.52	66.67 3.03 2.90	113.18 5.71 5.73	137.69 7.02 2.41	119.86 6.19 3.54	149.71 7.49 4.86	117.25 6.12 6.82	95.52 4.77 4.83	95.67 4.65 4.40
WARRENSBURG____ 23737	188.38 15.89 0.00	152.21 12.39 0.00	133.98 11.09 0.00	138.01 11.40 0.00	153.25 12.98 0.00	176.23 12.34 -34.42	205.98 6.11 -139.00	188.89 7.91 -102.22	78.05 4.39 -29.10	75.13 6.37 0.45	111.38 8.54 3.36	83.33 5.98 2.08	65.45 4.54 1.18	68.65 4.61 1.42	53.73 3.73 0.70	58.58 4.13 1.05	70.05 5.53 2.00	119.56 10.33 3.96	143.69 12.27 1.67	125.51 10.75 2.45	157.21 13.05 2.92	123.32 10.09 4.72	100.30 8.07 3.34	100.61 8.23 3.05
WATERSIDE____6 8 9 23538	162.55 12.58 22.52	149.60 9.78 0.00	131.64 8.75 -0.01	135.75 9.13 -0.01	150.17 9.88 -0.01	166.11 9.36 -27.29	130.29 4.63 -64.78	120.28 6.00 -35.53	59.96 3.51 -11.89	71.54 4.94 2.62	76.34 6.21 36.08	39.23 4.39 44.59	38.40 3.58 27.28	42.88 3.66 26.24	37.32 3.22 16.60	34.90 3.32 23.92	44.27 3.64 25.89	78.39 6.34 41.15	106.66 7.69 34.11	84.90 6.70 39.01	101.94 8.09 53.23	78.21 6.65 46.39	53.11 5.18 47.65	94.55 5.09 5.97
WATKINRD_115KV_LN8_ILLION 55919	177.39 4.90 0.00	143.57 3.75 0.00	126.24 3.35 0.00	130.01 3.40 0.00	144.19 3.91 0.00	133.29 3.82 0.00	62.78 1.91 0.00	81.20 2.43 0.00	45.90 1.35 0.00	70.38 1.69 0.53	103.80 1.50 3.90	77.88 0.85 2.40	61.37 0.65 1.37	64.38 0.56 1.64	50.45 0.56 0.81	54.85 0.57 1.22	65.28 1.07 2.32	111.05 2.44 4.59	134.34 3.19 1.93	117.30 2.92 2.83	146.51 3.33 3.90	115.22 2.73 5.46	93.80 2.09 3.87	94.00 2.11 3.53
WATSON__69_KV_BK 1 55734	189.07 16.58 0.00	153.71 13.90 0.00	135.12 12.23 0.00	139.42 12.81 0.00	154.14 13.87 0.00	170.00 13.26 -27.27	155.64 6.61 -88.15	131.96 8.31 -44.89	62.95 4.57 -13.82	74.98 6.40 0.63	110.09 8.59 4.71	82.53 6.02 2.91	65.02 4.59 1.66	68.22 4.75 1.98	53.82 4.10 0.98	58.53 4.50 1.47	69.16 5.43 2.81	119.81 10.48 3.86	143.43 12.68 2.33	128.22 11.35 0.33	158.99 13.71 1.80	129.05 11.07 -0.03	99.24 8.34 4.68	99.35 8.20 4.27
WDELAWARE__HYD 323627	181.68 9.19 0.00	146.62 6.80 0.00	128.92 6.02 0.00	132.84 6.23 0.00	147.17 6.90 0.00	161.00 6.66 -24.88	145.09 3.29 -80.93	124.82 4.29 -41.77	59.74 2.37 -12.82	71.55 3.03 0.69	104.29 3.22 5.13	78.18 1.93 3.17	61.80 1.51 1.80	64.80 1.50 2.16	51.05 1.42 1.07	55.52 1.62 1.60	65.63 2.16 3.06	111.67 4.52 6.05	136.24 5.70 2.54	118.49 5.01 3.73	147.98 6.04 5.13	115.55 4.80 7.20	94.13 3.65 5.10	94.20 3.42 4.65

WEST BABYLON___IC 23714	188.31 15.83 0.00	152.99 13.17 0.00	134.49 11.60 0.00	138.76 12.14 0.00	153.40 13.13 0.00	169.27 12.54 -27.27	155.24 6.21 -88.15	131.46 7.81 -44.89	62.69 4.31 -13.82	74.61 6.03 0.63	109.50 8.01 4.71	82.15 5.63 2.91	64.77 4.33 1.66	67.96 4.49 1.98	53.62 3.90 0.98	58.24 4.22 1.47	68.81 5.09 2.81	119.09 9.75 3.86	142.59 11.84 2.33	127.43 10.56 0.33	158.04 12.75 1.80	128.33 10.35 -0.03	98.70 7.80 4.68	98.81 7.65 4.27
WEST CANADA___HYD 24049	174.33 1.84 0.00	141.25 1.43 0.00	124.23 1.35 0.00	127.98 1.36 0.00	141.82 1.55 0.00	130.90 1.44 0.00	61.58 0.70 0.00	79.65 0.89 0.00	45.08 0.53 0.00	69.36 0.67 0.53	103.02 0.71 3.90	77.42 0.40 2.40	61.04 0.31 1.37	64.15 0.33 1.64	50.19 0.30 0.81	54.57 0.28 1.22	64.62 0.41 2.32	109.47 0.86 4.59	132.24 1.09 1.93	115.36 0.99 2.83	144.28 1.09 3.90	113.38 0.89 5.46	92.35 0.64 3.87	92.55 0.66 3.53
WESTERN_NY_WIND 24143	136.83 -12.00 23.66	117.31 -9.01 13.49	105.93 -7.92 9.03	110.95 -8.32 7.34	119.39 -9.04 11.84	102.86 -7.86 18.74	49.05 -4.16 7.66	67.47 -5.95 5.35	41.58 -3.34 -0.37	45.87 -5.74 17.60	48.24 -9.96 48.01	43.14 -7.89 28.40	39.21 -6.45 16.43	37.92 -7.03 20.51	35.06 -5.63 10.01	31.60 -6.17 17.72	28.99 -7.10 30.43	40.50 -10.24 62.46	71.14 -11.33 50.62	61.76 -9.82 45.62	42.52 -11.57 92.99	26.76 -9.48 81.71	26.76 -7.32 61.49	40.94 -7.28 47.20
WESTOVER___LESR 323668	153.59 -2.74 16.16	128.51 -2.19 9.12	114.91 -1.87 6.11	119.65 -2.00 4.96	130.32 -1.95 8.01	121.16 -1.71 6.59	74.86 -0.83 -14.82	84.71 -1.09 -7.04	47.62 -0.62 -3.69	58.38 -1.46 9.38	72.13 -2.84 31.23	58.32 -2.43 18.67	50.13 -1.88 10.08	50.18 -2.08 13.20	42.74 -1.53 6.43	41.57 -1.72 12.21	43.68 -1.87 20.98	67.50 -2.63 43.06	95.61 -2.86 34.61	83.38 -2.48 31.34	79.70 -3.60 63.79	58.81 -2.85 56.30	50.99 -2.42 42.17	60.60 -2.34 32.49
WETHRSFD_WT_PWR 323626	113.60 -16.70 42.18	103.21 -12.77 23.83	96.34 -10.59 15.96	102.74 -10.91 12.96	106.90 -12.45 20.92	82.55 -11.54 35.37	33.87 -5.98 21.02	57.45 -8.08 13.23	38.44 -4.60 1.52	32.55 -7.70 28.96	30.73 -13.01 62.46	34.71 -10.06 34.66	29.30 -7.85 24.94	29.35 -8.48 27.63	30.58 -6.63 13.49	27.96 -7.06 20.48	25.32 -8.19 33.02	31.32 -12.50 69.38	46.64 -14.16 72.28	49.45 -12.48 55.27	1.39 -15.28 130.40	9.25 -12.95 95.74	10.17 -10.61 74.80	32.95 -10.73 51.74
WHAVSTOR_138KV_BK127 55557	182.97 10.48 0.00	147.84 8.02 0.00	130.08 7.19 0.00	134.07 7.46 0.00	148.41 8.13 0.00	163.60 7.78 -26.35	149.86 3.82 -85.17	127.00 4.88 -43.36	60.69 2.78 -13.35	72.38 3.82 0.66	105.99 4.66 4.88	79.57 3.16 3.01	62.94 2.56 1.71	66.05 2.65 2.05	52.06 2.38 1.02	56.45 2.47 1.52	66.44 2.82 2.90	112.56 5.11 5.74	136.89 6.22 2.42	119.13 5.48 3.55	148.89 6.69 4.88	116.64 5.53 6.84	95.06 4.33 4.84	95.22 4.21 4.42
WHAVSTOR_138_KV_BK127_REV_LBMP_G 345015	182.97 10.48 0.00	147.84 8.02 0.00	130.08 7.19 0.00	134.07 7.46 0.00	148.41 8.13 0.00	163.60 7.78 -26.35	149.86 3.82 -85.17	127.00 4.88 -43.36	60.69 2.78 -13.35	72.38 3.82 0.66	105.99 4.66 4.88	79.57 3.16 3.01	62.94 2.56 1.71	66.05 2.65 2.05	52.06 2.38 1.02	56.45 2.47 1.52	66.44 2.82 2.90	112.56 5.11 5.74	136.89 6.22 2.42	119.13 5.48 3.55	148.89 6.69 4.88	116.64 5.53 6.84	95.06 4.33 4.84	95.22 4.21 4.42
WHITEHAL_115KV_TB1 80871	192.06 19.57 0.00	154.59 14.77 0.00	136.29 13.40 0.00	140.39 13.78 0.00	156.30 16.02 0.00	179.11 15.26 -34.39	207.36 7.89 -138.59	190.57 10.12 -101.69	79.00 5.49 -28.96	76.89 8.13 0.45	114.59 11.75 3.36	85.45 8.10 2.08	66.91 6.00 1.18	70.13 6.09 1.42	54.94 4.94 0.70	59.98 5.53 1.05	71.98 7.45 2.00	123.03 13.79 3.96	147.58 16.16 1.67	128.94 14.18 2.45	161.17 16.99 2.90	125.70 12.47 4.72	102.30 10.06 3.34	102.75 10.37 3.05
WHITEPLN_13_KV_LOAD 356215	185.97 13.48 0.00	150.30 10.48 0.00	132.21 9.32 0.00	136.24 9.62 0.00	150.80 10.53 0.00	166.68 10.00 -27.22	153.77 4.91 -87.99	129.89 6.32 -44.81	61.96 3.60 -13.80	73.67 5.09 0.64	108.04 6.56 4.72	81.07 4.56 2.91	64.09 3.65 1.66	67.23 3.75 1.99	52.98 3.26 0.98	57.45 3.43 1.47	67.66 3.95 2.81	114.74 7.10 5.56	139.36 8.62 2.34	121.39 7.62 3.43	151.65 9.29 4.72	118.92 7.59 6.62	96.82 5.93 4.69	96.95 5.80 4.28
WM_FLOYD_69_KV_BK2 356380	187.44 14.95 0.00	152.49 12.67 0.00	134.03 11.13 0.00	138.32 11.70 0.00	152.98 12.71 0.00	168.97 12.23 -27.27	155.35 6.33 -88.15	131.54 7.89 -44.89	62.62 4.24 -13.82	74.46 5.88 0.63	109.30 7.81 4.71	81.92 5.41 2.91	64.55 4.11 1.66	67.68 4.21 1.98	53.41 3.69 0.98	58.17 4.14 1.47	68.82 5.09 2.81	119.39 10.05 3.86	142.69 11.95 2.33	127.73 10.86 0.33	158.31 13.02 1.80	128.41 10.43 -0.03	98.65 7.75 4.68	98.78 7.62 4.27
WOODARD___115KV_TB2 355635	167.53 -4.97 0.00	135.84 -3.97 0.00	119.44 -3.45 0.00	122.92 -3.70 0.00	136.38 -3.89 0.00	129.07 -3.46 -3.07	68.08 -1.65 -8.85	79.95 -2.23 -3.42	44.40 -1.27 -1.11	61.30 -2.27 5.64	60.54 -3.85 41.81	50.54 -3.08 25.80	44.92 -2.48 14.69	45.22 -2.63 17.61	39.98 -1.99 8.73	40.30 -2.15 13.05	39.23 -2.40 24.90	60.28 -3.65 49.26	108.36 -4.00 20.72	83.26 -3.54 30.40	100.51 -4.75 41.82	55.39 -3.90 58.66	50.76 -3.29 41.52	54.20 -3.36 37.87
YORK___WARBASSE 23770	296.57 13.47 -110.61	150.35 10.52 -0.01	132.25 9.35 -0.01	136.42 9.80 -0.01	150.94 10.66 -0.01	166.84 10.09 -27.29	268.99 5.01 -203.10	176.20 6.49 -90.95	110.45 3.83 -62.06	139.48 5.39 -64.88	262.44 6.89 -149.35	308.99 4.92 -224.65	314.52 3.96 -248.47	301.50 4.11 -231.92	306.25 3.60 -251.95	310.53 3.72 -251.31	181.21 4.09 -110.59	289.53 7.04 -169.29	295.33 8.54 -153.71	296.00 7.46 -171.33	389.71 9.04 -233.59	314.16 7.42 -188.79	307.80 5.86 -206.36	105.25 5.74 -4.09