

Time Weighted/Integrated Real Time LBMP- Generator

--- LBMP \$

--- Marginal Cost of Losses

--- Marginal Cost of Congestion

Generator Data

11/12/2025

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	48.02	51.29	46.15	47.67	48.27	49.83	66.43	81.94	90.66	121.88	63.19	53.60	56.32	57.43	57.20	75.71	86.77	97.42	61.02	57.91	56.13	53.51	50.68	49.66
24138	2.71	2.62	2.26	2.21	2.24	2.58	3.75	4.21	4.59	6.13	3.48	3.24	3.36	3.48	3.34	4.24	4.42	5.40	3.46	3.19	3.15	3.09	2.66	2.61
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
74TH STREET_GT_1	48.01	51.30	46.15	47.69	48.30	49.84	66.46	82.06	90.79	122.00	63.28	53.62	56.30	57.39	57.15	75.66	86.83	97.48	61.07	57.97	56.17	53.53	50.69	49.68
24260	2.70	2.63	2.26	2.24	2.26	2.59	3.78	4.33	4.72	6.26	3.57	3.26	3.34	3.45	3.30	4.18	4.49	5.47	3.51	3.25	3.19	3.10	2.67	2.62
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
74TH STREET_GT_2	48.01	51.30	46.15	47.69	48.30	49.84	66.46	82.06	90.79	122.00	63.28	53.62	56.30	57.39	57.15	75.66	86.83	97.48	61.07	57.97	56.17	53.53	50.69	49.68
24261	2.70	2.63	2.26	2.24	2.26	2.59	3.78	4.33	4.72	6.26	3.57	3.26	3.34	3.45	3.30	4.18	4.49	5.47	3.51	3.25	3.19	3.10	2.67	2.62
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ADK HUDSON___FALLS	47.58	51.17	46.07	47.76	48.36	49.82	65.75	81.87	91.02	121.92	62.68	52.52	55.21	56.20	56.32	74.81	86.44	96.03	60.80	57.66	55.98	53.10	50.51	49.05
24011	2.26	2.49	2.18	2.31	2.32	2.57	3.07	4.14	4.94	6.17	2.97	2.16	2.24	2.26	2.47	3.34	4.09	4.01	3.24	2.94	3.00	2.67	2.49	2.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ADK RESOURCE___RCVRY	47.92	51.55	46.33	48.11	48.69	50.20	66.23	82.57	91.88	123.00	63.16	52.78	55.47	56.56	56.72	75.40	87.26	96.71	61.43	58.16	56.47	53.52	50.88	49.29
23798	2.61	2.88	2.43	2.66	2.66	2.96	3.55	4.84	5.80	7.26	3.45	2.42	2.50	2.61	2.87	3.92	4.91	4.70	3.87	3.45	3.49	3.10	2.86	2.23
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ADK S GLENS___FALLS	47.58	51.17	46.07	47.76	48.36	49.82	65.75	81.87	91.02	121.92	62.68	52.52	55.21	56.20	56.32	74.81	86.44	96.03	60.80	57.66	55.98	53.10	50.51	49.05
24028	2.26	2.49	2.18	2.31	2.32	2.57	3.07	4.14	4.94	6.17	2.97	2.16	2.24	2.26	2.47	3.34	4.09	4.01	3.24	2.94	3.00	2.67	2.49	2.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ADK_NYS___DAM	46.98	50.78	45.82	47.50	48.05	49.30	64.24	80.02	89.43	120.12	61.69	51.82	54.37	55.27	55.50	73.67	84.79	94.16	59.80	56.99	55.33	52.60	50.03	48.66
23527	1.67	2.11	1.93	2.05	2.02	2.06	1.57	2.29	3.36	4.37	1.98	1.46	1.40	1.33	1.65	2.19	2.45	2.14	2.23	2.27	2.35	2.17	2.01	1.61
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AIR_PRODUCTS___DRP	45.80	49.20	44.54	46.09	46.61	47.77	62.74	78.05	86.63	116.22	60.00	50.71	53.28	54.16	54.26	71.82	82.56	91.86	58.03	55.22	53.56	51.11	48.82	47.75
24190	0.49	0.53	0.65	0.64	0.58	0.53	0.06	0.32	0.56	0.48	0.29	0.35	0.31	0.22	0.41	0.35	0.21	-0.16	0.47	0.50	0.58	0.69	0.79	0.69
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AKWESSNE_115KV_BK	45.85	49.32	44.42	46.09	46.71	47.94	63.74	79.06	87.45	117.58	60.67	51.09	53.81	54.79	54.70	72.63	83.86	93.90	58.50	55.66	53.88	51.30	48.96	48.07
355683	0.54	0.65	0.53	0.64	0.67	0.70	1.06	1.33	1.38	1.83	0.96	0.73	0.85	0.85	0.84	1.15	1.52	1.88	0.94	0.95	0.90	0.88	0.94	1.01
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ALBANY_1_SOLAR	46.32	49.80	45.06	46.66	47.18	48.38	63.73	79.11	87.77	117.70	60.60	51.14	53.87	54.77	54.85	73.09	84.21	93.88	59.14	56.26	54.55	51.95	49.51	48.44
323833	1.01	1.13	1.17	1.21	1.14	1.14	1.06	1.39	1.70	1.96	0.89	0.78	0.90	0.83	1.00	1.61	1.86	1.86	1.59	1.54	1.57	1.52	1.49	1.39
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ALBANY_2_SOLAR	46.31	49.79	45.06	46.65	47.15	48.36	63.72	79.11	87.76	117.69	60.58	51.14	53.86	54.77	54.84	73.07	84.18	93.85	59.13	56.24	54.53	51.93	49.49	48.43
323834	1.00	1.12	1.17	1.19	1.12	1.12	1.04	1.38	1.68	1.95	0.87	0.78	0.89	0.83	0.99	1.60	1.83	1.83	1.58	1.52	1.55	1.51	1.47	1.37
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ALBANY___1	45.80	49.20	44.54	46.09	46.61	47.77	62.74	78.05	86.63	116.22	60.00	50.71	53.28	54.16	54.26	71.82	82.56	91.86	58.03	55.22	53.56	51.11	48.82	47.75
23571	0.49	0.53	0.65	0.64	0.58	0.53	0.06	0.32	0.56	0.48	0.29	0.35	0.31	0.22	0.41	0.35	0.21	-0.16	0.47	0.50	0.58	0.69	0.79	0.69
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

ALBANY___2 23572	45.80 0.49 0.00	49.20 0.53 0.00	44.54 0.65 0.00	46.09 0.64 0.00	46.61 0.58 0.00	47.77 0.53 0.00	62.74 0.06 0.00	78.05 0.32 0.00	86.63 0.56 0.00	116.22 0.48 0.00	60.00 0.29 0.00	50.71 0.35 0.00	53.28 0.31 0.00	54.16 0.22 0.00	54.26 0.41 0.00	71.82 0.35 0.00	82.56 0.21 0.00	91.86 -0.16 0.00	58.03 0.47 0.00	55.22 0.50 0.00	53.56 0.58 0.00	51.11 0.69 0.00	48.82 0.79 0.00	47.75 0.69 0.00
ALBANY___3 23573	45.80 0.49 0.00	49.20 0.53 0.00	44.54 0.65 0.00	46.09 0.64 0.00	46.61 0.58 0.00	47.77 0.53 0.00	62.74 0.06 0.00	78.05 0.32 0.00	86.63 0.56 0.00	116.22 0.48 0.00	60.00 0.29 0.00	50.71 0.35 0.00	53.28 0.31 0.00	54.16 0.22 0.00	54.26 0.41 0.00	71.82 0.35 0.00	82.56 0.21 0.00	91.86 -0.16 0.00	58.03 0.47 0.00	55.22 0.50 0.00	53.56 0.58 0.00	51.11 0.69 0.00	48.82 0.79 0.00	47.75 0.69 0.00
ALBANY___4 23574	45.80 0.49 0.00	49.20 0.53 0.00	44.54 0.65 0.00	46.09 0.64 0.00	46.61 0.58 0.00	47.77 0.53 0.00	62.74 0.06 0.00	78.05 0.32 0.00	86.63 0.56 0.00	116.22 0.48 0.00	60.00 0.29 0.00	50.71 0.35 0.00	53.28 0.31 0.00	54.16 0.22 0.00	54.26 0.41 0.00	71.82 0.35 0.00	82.56 0.21 0.00	91.86 -0.16 0.00	58.03 0.47 0.00	55.22 0.50 0.00	53.56 0.58 0.00	51.11 0.69 0.00	48.82 0.79 0.00	47.75 0.69 0.00
ALBANY___LFGE 323615	46.22 0.91 0.00	49.67 0.99 0.00	44.93 1.04 0.00	46.51 1.05 0.00	47.03 1.00 0.00	48.21 0.97 0.00	63.37 0.69 0.00	78.84 1.12 0.00	87.54 1.47 0.00	117.49 1.75 0.00	60.59 0.88 0.00	51.25 0.88 0.00	53.87 0.90 0.00	54.75 0.82 0.00	54.85 1.00 0.00	72.58 1.10 0.00	83.50 1.15 0.00	92.91 0.89 0.00	58.66 1.10 0.00	55.79 1.07 0.00	54.12 1.13 0.00	51.59 1.16 0.00	49.23 1.21 0.00	48.13 1.08 0.00
ALCOA_PA_115KV_PL-6C 55860	46.21 0.91 0.00	49.69 1.02 0.00	44.74 0.84 0.00	46.41 0.96 0.00	47.04 1.01 0.00	48.30 1.06 0.00	64.25 1.57 0.00	79.70 1.97 0.00	88.13 2.06 0.00	118.47 2.73 0.00	61.15 1.44 0.00	51.50 1.14 0.00	54.22 1.26 0.00	55.18 1.24 0.00	55.10 1.24 0.00	73.13 1.66 0.00	84.39 2.04 0.00	94.43 2.41 0.00	58.79 1.23 0.00	55.95 1.24 0.00	54.23 1.25 0.00	51.67 1.24 0.00	49.30 1.29 0.00	48.42 1.36 0.00
ALCOA_RYNLDS___DRP 24188	46.21 0.91 0.00	49.69 1.02 0.00	44.74 0.84 0.00	46.41 0.96 0.00	47.04 1.01 0.00	48.30 1.06 0.00	64.25 1.57 0.00	79.70 1.97 0.00	88.13 2.06 0.00	118.47 2.73 0.00	61.15 1.44 0.00	51.50 1.14 0.00	54.22 1.26 0.00	55.18 1.24 0.00	55.10 1.24 0.00	73.13 1.66 0.00	84.39 2.04 0.00	94.43 2.41 0.00	58.79 1.23 0.00	55.95 1.24 0.00	54.23 1.25 0.00	51.67 1.24 0.00	49.30 1.29 0.00	48.42 1.36 0.00
ALCOA___DSASP 323711	46.21 0.91 0.00	49.69 1.02 0.00	44.74 0.84 0.00	46.41 0.96 0.00	47.04 1.01 0.00	48.30 1.06 0.00	64.25 1.57 0.00	79.70 1.97 0.00	88.13 2.06 0.00	118.47 2.73 0.00	61.15 1.44 0.00	51.50 1.14 0.00	54.22 1.26 0.00	55.18 1.24 0.00	55.10 1.24 0.00	73.13 1.66 0.00	84.39 2.04 0.00	94.43 2.41 0.00	58.79 1.23 0.00	55.95 1.24 0.00	54.23 1.25 0.00	51.67 1.24 0.00	49.30 1.29 0.00	48.42 1.36 0.00
ALLEGHENY___COGEN 23514	33.39 -0.56 11.36	47.78 -0.89 0.00	43.03 -0.86 0.00	44.34 -1.11 0.00	37.29 -1.21 7.53	45.13 -2.12 0.00	60.06 -2.61 0.00	72.71 -3.28 1.74	82.03 -4.04 0.00	110.07 -5.67 0.00	40.80 -3.45 15.47	21.03 -3.04 26.29	12.62 -3.48 36.87	25.97 -3.25 24.72	28.86 -3.25 21.74	65.50 -4.13 1.84	73.59 -3.89 4.87	76.78 -4.08 11.16	53.37 -2.53 1.67	51.89 -2.83 0.00	45.37 -3.37 4.24	40.39 -2.14 7.90	46.36 -1.66 0.00	45.60 -1.46 0.00
ALTAMONT_115KV_TB 2 55880	46.06 0.75 0.00	49.48 0.80 0.00	44.74 0.85 0.00	46.29 0.84 0.00	46.81 0.78 0.00	48.02 0.78 0.00	63.44 0.76 0.00	78.68 0.95 0.00	87.26 1.19 0.00	117.18 1.44 0.00	60.48 0.77 0.00	51.05 0.69 0.00	53.65 0.69 0.00	54.61 0.67 0.00	54.58 0.73 0.00	72.38 0.90 0.00	83.28 0.93 0.00	92.85 0.84 0.00	58.42 0.86 0.00	55.57 0.85 0.00	53.89 0.91 0.00	51.36 0.93 0.00	48.89 0.87 0.00	47.85 0.79 0.00
ALTONA_WT_PWR 323606	45.43 0.12 0.00	48.85 0.18 0.00	44.10 0.21 0.00	45.83 0.38 0.00	46.57 0.54 0.00	47.77 0.53 0.00	63.31 0.63 0.00	78.53 0.81 0.00	86.70 0.63 0.00	116.68 0.94 0.00	60.35 0.64 0.00	50.84 0.48 0.00	53.59 0.62 0.00	54.59 0.64 0.00	54.46 0.61 0.00	71.93 0.45 0.00	83.29 0.94 0.00	93.42 1.40 0.00	58.09 0.53 0.00	55.16 0.44 0.00	53.54 0.56 0.00	51.23 0.80 0.00	48.93 0.91 0.00	48.00 0.94 0.00
AMERICAN_REF_FUEL 24010	35.89 -3.60 5.82	44.53 -4.14 0.00	40.22 -3.67 0.00	41.54 -3.91 0.00	38.29 -3.88 3.86	42.61 -4.64 0.00	56.55 -6.13 0.00	68.92 -7.91 0.89	76.87 -9.20 0.00	103.68 -12.07 0.00	46.54 -6.20 6.98	32.63 -4.86 12.88	28.12 -5.19 19.66	35.18 -5.26 13.51	36.62 -5.35 11.88	62.80 -7.66 1.01	71.38 -8.31 2.66	76.28 -9.70 6.04	50.39 -6.31 0.85	48.37 -6.35 0.00	44.54 -6.36 2.09	40.44 -5.96 4.02	42.43 -5.59 0.00	42.16 -4.90 0.00
ARKWRIGHT___SUMMIT_WT_PWR 323751	35.04 -3.32 6.95	44.86 -3.81 0.00	40.36 -3.53 0.00	41.70 -3.75 0.00	37.64 -3.78 4.61	43.37 -3.87 0.00	58.08 -4.60 0.00	70.50 -6.16 1.07	78.62 -7.45 0.00	105.79 -9.96 0.00	45.88 -5.38 8.45	30.62 -4.29 15.46	24.74 -4.68 23.55	33.45 -4.29 16.19	35.10 -4.52 14.24	64.40 -5.86 1.21	73.29 -5.87 3.19	76.33 -8.45 7.24	51.17 -5.37 1.02	49.11 -5.61 0.00	44.61 -5.94 2.43	39.89 -5.75 4.79	43.00 -5.02 0.00	42.54 -4.52 0.00
ARTHUR KILL_GT_1 23520	48.06 2.75 0.00	51.39 2.71 0.00	46.22 2.33 0.00	47.76 2.31 0.00	48.37 2.34 0.00	49.84 2.60 0.00	66.25 3.57 0.00	81.83 4.10 0.00	90.38 4.31 0.00	121.07 5.33 0.00	63.04 3.33 0.00	53.44 3.08 0.00	56.18 3.21 0.00	57.11 3.17 0.00	57.01 3.16 0.00	75.08 3.60 0.00	86.11 3.76 0.00	96.88 4.86 0.00	60.77 3.21 0.00	57.80 3.08 0.00	56.15 3.17 0.00	53.59 3.17 0.00	50.74 2.72 0.00	49.72 2.67 0.00
ARTHUR_KILL_2 23512	47.95 2.64 0.00	51.28 2.60 0.00	46.10 2.21 0.00	47.67 2.22 0.00	48.25 2.22 0.00	49.71 2.46 0.00	66.05 3.37 0.00	81.62 3.89 0.00	90.17 4.10 0.00	120.72 4.98 0.00	63.00 3.29 0.00	53.32 2.96 0.00	56.08 3.12 0.00	57.00 3.06 0.00	56.88 3.03 0.00	74.88 3.41 0.00	85.87 3.52 0.00	96.58 4.57 0.00	60.60 3.04 0.00	57.64 2.92 0.00	55.99 3.01 0.00	53.44 3.02 0.00	50.61 2.59 0.00	49.60 2.54 0.00
ARTHUR_KILL_3 23513	47.64 2.33 0.00	50.88 2.21 0.00	45.76 1.87 0.00	47.30 1.85 0.00	47.88 1.85 0.00	49.40 2.15 0.00	65.85 3.17 0.00	81.22 3.49 0.00	89.77 3.69 0.00	120.61 4.87 0.00	62.56 2.86 0.00	53.03 2.67 0.00	55.71 2.74 0.00	56.77 2.83 0.00	56.55 2.70 0.00	74.86 3.38 0.00	85.88 3.53 0.00	96.48 4.46 0.00	60.43 2.86 0.00	57.37 2.65 0.00	55.61 2.63 0.00	53.01 2.59 0.00	50.21 2.20 0.00	49.23 2.18 0.00

ARTHUR_KILL_COGEN 323718	48.06 2.75 0.00	51.42 2.75 0.00	46.22 2.33 0.00	47.78 2.33 0.00	48.37 2.34 0.00	49.84 2.60 0.00	66.24 3.56 0.00	81.85 4.13 0.00	90.43 4.35 0.00	121.08 5.33 0.00	63.18 3.46 0.00	53.46 3.10 0.00	56.23 3.26 0.00	57.13 3.19 0.00	57.03 3.18 0.00	75.08 3.60 0.00	86.12 3.77 0.00	96.88 4.86 0.00	60.77 3.21 0.00	57.81 3.09 0.00	56.15 3.17 0.00	53.59 3.17 0.00	50.75 2.73 0.00	49.72 2.67 0.00
ASHOKAN____ 23654	47.03 1.71 0.00	50.40 1.73 0.00	45.51 1.62 0.00	47.06 1.61 0.00	47.66 1.63 0.00	49.06 1.82 0.00	65.15 2.47 0.00	80.94 3.22 0.00	89.72 3.64 0.00	120.45 4.71 0.00	62.00 2.28 0.00	52.27 1.91 0.00	55.17 2.20 0.00	55.96 2.02 0.00	55.85 2.00 0.00	74.42 2.94 0.00	85.91 3.56 0.00	96.08 4.07 0.00	60.40 2.84 0.00	57.31 2.59 0.00	55.49 2.51 0.00	52.75 2.32 0.00	50.02 2.00 0.00	48.81 1.75 0.00
ASTORIA_EAST_ENERGY_CC1 323581	47.63 2.32 0.00	50.96 2.29 0.00	45.85 1.96 0.00	47.40 1.95 0.00	47.97 1.94 0.00	49.46 2.21 0.00	65.85 3.18 0.00	81.41 3.68 0.00	90.04 3.97 0.00	120.84 5.10 0.00	62.85 3.14 0.00	53.26 2.90 0.00	55.76 2.79 0.00	56.91 2.97 0.00	56.71 2.86 0.00	74.86 3.39 0.00	86.04 3.69 0.00	96.65 4.63 0.00	60.56 3.00 0.00	57.49 2.78 0.00	55.69 2.71 0.00	53.16 2.74 0.00	50.34 2.32 0.00	49.33 2.28 0.00
ASTORIA_EAST_ENERGY_CC2 323582	47.62 2.31 0.00	50.93 2.26 0.00	45.84 1.95 0.00	47.37 1.92 0.00	47.95 1.92 0.00	49.42 2.18 0.00	65.81 3.14 0.00	81.37 3.65 0.00	90.00 3.93 0.00	120.78 5.04 0.00	62.80 3.08 0.00	53.24 2.88 0.00	55.72 2.76 0.00	56.89 2.95 0.00	56.68 2.83 0.00	74.82 3.35 0.00	85.98 3.63 0.00	96.62 4.60 0.00	60.52 2.96 0.00	57.45 2.73 0.00	55.66 2.68 0.00	53.13 2.71 0.00	50.32 2.30 0.00	49.31 2.26 0.00
ASTORIA_GT2_1 24094	47.62 2.31 0.00	50.94 2.26 0.00	45.85 1.96 0.00	47.37 1.92 0.00	47.97 1.94 0.00	49.46 2.21 0.00	65.86 3.18 0.00	81.40 3.67 0.00	90.02 3.95 0.00	120.84 5.09 0.00	62.81 3.10 0.00	53.25 2.89 0.00	55.75 2.78 0.00	56.89 2.95 0.00	56.69 2.84 0.00	74.85 3.38 0.00	86.02 3.68 0.00	96.65 4.63 0.00	60.56 3.00 0.00	57.48 2.76 0.00	55.69 2.71 0.00	53.16 2.74 0.00	50.35 2.33 0.00	49.33 2.28 0.00
ASTORIA_GT2_2 24095	47.62 2.31 0.00	50.94 2.26 0.00	45.85 1.96 0.00	47.37 1.92 0.00	47.97 1.94 0.00	49.46 2.21 0.00	65.86 3.18 0.00	81.40 3.67 0.00	90.02 3.95 0.00	120.84 5.09 0.00	62.81 3.10 0.00	53.25 2.89 0.00	55.75 2.78 0.00	56.89 2.95 0.00	56.69 2.84 0.00	74.85 3.38 0.00	86.02 3.68 0.00	96.65 4.63 0.00	60.56 3.00 0.00	57.48 2.76 0.00	55.69 2.71 0.00	53.16 2.74 0.00	50.35 2.33 0.00	49.33 2.28 0.00
ASTORIA_GT2_3 24096	47.62 2.31 0.00	50.94 2.26 0.00	45.85 1.96 0.00	47.37 1.92 0.00	47.97 1.94 0.00	49.46 2.21 0.00	65.86 3.18 0.00	81.40 3.67 0.00	90.02 3.95 0.00	120.84 5.09 0.00	62.81 3.10 0.00	53.25 2.89 0.00	55.75 2.78 0.00	56.89 2.95 0.00	56.69 2.84 0.00	74.85 3.38 0.00	86.02 3.68 0.00	96.65 4.63 0.00	60.56 3.00 0.00	57.48 2.76 0.00	55.69 2.71 0.00	53.16 2.74 0.00	50.35 2.33 0.00	49.33 2.28 0.00
ASTORIA_GT2_4 24097	47.62 2.31 0.00	50.94 2.26 0.00	45.85 1.96 0.00	47.37 1.92 0.00	47.97 1.94 0.00	49.46 2.21 0.00	65.86 3.18 0.00	81.40 3.67 0.00	90.02 3.95 0.00	120.84 5.09 0.00	62.81 3.10 0.00	53.25 2.89 0.00	55.75 2.78 0.00	56.89 2.95 0.00	56.69 2.84 0.00	74.85 3.38 0.00	86.02 3.68 0.00	96.65 4.63 0.00	60.56 3.00 0.00	57.48 2.76 0.00	55.69 2.71 0.00	53.16 2.74 0.00	50.35 2.33 0.00	49.33 2.28 0.00
ASTORIA_GT3_1 24098	47.62 2.31 0.00	50.94 2.26 0.00	45.85 1.96 0.00	47.37 1.92 0.00	47.97 1.94 0.00	49.46 2.21 0.00	65.86 3.18 0.00	81.40 3.67 0.00	90.02 3.95 0.00	120.84 5.09 0.00	62.81 3.10 0.00	53.25 2.89 0.00	55.75 2.78 0.00	56.89 2.95 0.00	56.69 2.84 0.00	74.85 3.38 0.00	86.02 3.68 0.00	96.65 4.63 0.00	60.56 3.00 0.00	57.48 2.76 0.00	55.69 2.71 0.00	53.16 2.74 0.00	50.35 2.33 0.00	49.33 2.28 0.00
ASTORIA_GT3_2 24099	47.62 2.31 0.00	50.94 2.26 0.00	45.85 1.96 0.00	47.37 1.92 0.00	47.97 1.94 0.00	49.46 2.21 0.00	65.86 3.18 0.00	81.40 3.67 0.00	90.02 3.95 0.00	120.84 5.09 0.00	62.81 3.10 0.00	53.25 2.89 0.00	55.75 2.78 0.00	56.89 2.95 0.00	56.69 2.84 0.00	74.85 3.38 0.00	86.02 3.68 0.00	96.65 4.63 0.00	60.56 3.00 0.00	57.48 2.76 0.00	55.69 2.71 0.00	53.16 2.74 0.00	50.35 2.33 0.00	49.33 2.28 0.00
ASTORIA_GT3_3 24100	47.62 2.31 0.00	50.94 2.26 0.00	45.85 1.96 0.00	47.37 1.92 0.00	47.97 1.94 0.00	49.46 2.21 0.00	65.86 3.18 0.00	81.40 3.67 0.00	90.02 3.95 0.00	120.84 5.09 0.00	62.81 3.10 0.00	53.25 2.89 0.00	55.75 2.78 0.00	56.89 2.95 0.00	56.69 2.84 0.00	74.85 3.38 0.00	86.02 3.68 0.00	96.65 4.63 0.00	60.56 3.00 0.00	57.48 2.76 0.00	55.69 2.71 0.00	53.16 2.74 0.00	50.35 2.33 0.00	49.33 2.28 0.00
ASTORIA_GT3_4 24101	47.62 2.31 0.00	50.94 2.26 0.00	45.85 1.96 0.00	47.37 1.92 0.00	47.97 1.94 0.00	49.46 2.21 0.00	65.86 3.18 0.00	81.40 3.67 0.00	90.02 3.95 0.00	120.84 5.09 0.00	62.81 3.10 0.00	53.25 2.89 0.00	55.75 2.78 0.00	56.89 2.95 0.00	56.69 2.84 0.00	74.85 3.38 0.00	86.02 3.68 0.00	96.65 4.63 0.00	60.56 3.00 0.00	57.48 2.76 0.00	55.69 2.71 0.00	53.16 2.74 0.00	50.35 2.33 0.00	49.33 2.28 0.00
ASTORIA_GT4_1 24102	47.62 2.31 0.00	50.94 2.26 0.00	45.85 1.96 0.00	47.37 1.92 0.00	47.97 1.94 0.00	49.46 2.21 0.00	65.86 3.18 0.00	81.40 3.67 0.00	90.02 3.95 0.00	120.84 5.09 0.00	62.81 3.10 0.00	53.25 2.89 0.00	55.75 2.78 0.00	56.89 2.95 0.00	56.69 2.84 0.00	74.85 3.38 0.00	86.02 3.68 0.00	96.65 4.63 0.00	60.56 3.00 0.00	57.48 2.76 0.00	55.69 2.71 0.00	53.16 2.74 0.00	50.35 2.33 0.00	49.33 2.28 0.00
ASTORIA_GT4_2 24103	47.62 2.31 0.00	50.94 2.26 0.00	45.85 1.96 0.00	47.37 1.92 0.00	47.97 1.94 0.00	49.46 2.21 0.00	65.86 3.18 0.00	81.40 3.67 0.00	90.02 3.95 0.00	120.84 5.09 0.00	62.81 3.10 0.00	53.25 2.89 0.00	55.75 2.78 0.00	56.89 2.95 0.00	56.69 2.84 0.00	74.85 3.38 0.00	86.02 3.68 0.00	96.65 4.63 0.00	60.56 3.00 0.00	57.48 2.76 0.00	55.69 2.71 0.00	53.16 2.74 0.00	50.35 2.33 0.00	49.33 2.28 0.00
ASTORIA_GT4_3 24104	47.62 2.31 0.00	50.94 2.26 0.00	45.85 1.96 0.00	47.37 1.92 0.00	47.97 1.94 0.00	49.46 2.21 0.00	65.86 3.18 0.00	81.40 3.67 0.00	90.02 3.95 0.00	120.84 5.09 0.00	62.81 3.10 0.00	53.25 2.89 0.00	55.75 2.78 0.00	56.89 2.95 0.00	56.69 2.84 0.00	74.85 3.38 0.00	86.02 3.68 0.00	96.65 4.63 0.00	60.56 3.00 0.00	57.48 2.76 0.00	55.69 2.71 0.00	53.16 2.74 0.00	50.35 2.33 0.00	49.33 2.28 0.00

ASTORIA_GT4_4 24105	47.62 2.31 0.00	50.94 2.26 0.00	45.85 1.96 0.00	47.37 1.92 0.00	47.97 1.94 0.00	49.46 2.21 0.00	65.86 3.18 0.00	81.40 3.67 0.00	90.02 3.95 0.00	120.84 5.09 0.00	62.81 3.10 0.00	53.25 2.89 0.00	55.75 2.78 0.00	56.89 2.95 0.00	56.69 2.84 0.00	74.85 3.38 0.00	86.02 3.68 0.00	96.65 4.63 0.00	60.56 3.00 0.00	57.48 2.76 0.00	55.69 2.71 0.00	53.16 2.74 0.00	50.35 2.33 0.00	49.33 2.28 0.00
ASTORIA_GT_1 23523	47.70 2.39 0.00	51.01 2.34 0.00	45.93 2.04 0.00	47.44 1.99 0.00	48.04 2.00 0.00	49.53 2.29 0.00	65.97 3.29 0.00	81.56 3.84 0.00	90.21 4.14 0.00	121.08 5.33 0.00	62.93 3.22 0.00	53.36 3.00 0.00	55.86 2.89 0.00	57.01 3.06 0.00	56.81 2.96 0.00	75.02 3.54 0.00	86.20 3.85 0.00	96.86 4.85 0.00	60.68 3.12 0.00	57.60 2.88 0.00	55.80 2.82 0.00	53.26 2.83 0.00	50.45 2.43 0.00	49.42 2.36 0.00
ASTORIA_GT_10 24110	47.81 2.50 0.00	51.09 2.41 0.00	45.98 2.08 0.00	47.50 2.04 0.00	48.10 2.07 0.00	49.61 2.36 0.00	66.01 3.33 0.00	81.48 3.76 0.00	90.15 4.08 0.00	121.07 5.33 0.00	62.91 3.20 0.00	53.35 2.99 0.00	56.00 3.04 0.00	57.08 3.14 0.00	56.89 3.04 0.00	75.14 3.66 0.00	86.17 3.82 0.00	96.80 4.78 0.00	60.67 3.11 0.00	57.62 2.90 0.00	55.85 2.87 0.00	53.30 2.88 0.00	50.48 2.47 0.00	49.49 2.43 0.00
ASTORIA_GT_11 24225	47.81 2.50 0.00	51.09 2.41 0.00	45.98 2.08 0.00	47.50 2.04 0.00	48.10 2.07 0.00	49.61 2.36 0.00	66.01 3.33 0.00	81.48 3.76 0.00	90.15 4.08 0.00	121.07 5.33 0.00	62.91 3.20 0.00	53.35 2.99 0.00	56.00 3.04 0.00	57.08 3.14 0.00	56.89 3.04 0.00	75.14 3.66 0.00	86.17 3.82 0.00	96.80 4.78 0.00	60.67 3.11 0.00	57.62 2.90 0.00	55.85 2.87 0.00	53.30 2.88 0.00	50.48 2.47 0.00	49.49 2.43 0.00
ASTORIA_GT_12 24226	47.81 2.50 0.00	51.09 2.41 0.00	45.98 2.08 0.00	47.50 2.04 0.00	48.10 2.07 0.00	49.61 2.36 0.00	66.01 3.33 0.00	81.48 3.76 0.00	90.15 4.08 0.00	121.07 5.33 0.00	62.91 3.20 0.00	53.35 2.99 0.00	56.00 3.04 0.00	57.08 3.14 0.00	56.89 3.04 0.00	75.14 3.66 0.00	86.17 3.82 0.00	96.80 4.78 0.00	60.67 3.11 0.00	57.62 2.90 0.00	55.85 2.87 0.00	53.30 2.88 0.00	50.48 2.47 0.00	49.49 2.43 0.00
ASTORIA_GT_13 24227	47.81 2.50 0.00	51.09 2.41 0.00	45.98 2.08 0.00	47.50 2.04 0.00	48.10 2.07 0.00	49.61 2.36 0.00	66.01 3.33 0.00	81.48 3.76 0.00	90.15 4.08 0.00	121.07 5.33 0.00	62.91 3.20 0.00	53.35 2.99 0.00	56.00 3.04 0.00	57.08 3.14 0.00	56.89 3.04 0.00	75.14 3.66 0.00	86.17 3.82 0.00	96.80 4.78 0.00	60.67 3.11 0.00	57.62 2.90 0.00	55.85 2.87 0.00	53.30 2.88 0.00	50.48 2.47 0.00	49.49 2.43 0.00
ASTORIA_GT_5 24106	47.70 2.39 0.00	51.01 2.34 0.00	45.93 2.04 0.00	47.44 1.99 0.00	48.04 2.00 0.00	49.53 2.29 0.00	65.97 3.29 0.00	81.56 3.84 0.00	90.21 4.14 0.00	121.08 5.33 0.00	62.93 3.22 0.00	53.36 3.00 0.00	55.86 2.89 0.00	57.01 3.06 0.00	56.81 2.96 0.00	75.02 3.54 0.00	86.20 3.85 0.00	96.86 4.85 0.00	60.68 3.12 0.00	57.60 2.88 0.00	55.80 2.82 0.00	53.26 2.83 0.00	50.45 2.43 0.00	49.42 2.36 0.00
ASTORIA_GT_7 24107	47.70 2.39 0.00	51.01 2.34 0.00	45.93 2.04 0.00	47.44 1.99 0.00	48.04 2.00 0.00	49.53 2.29 0.00	65.97 3.29 0.00	81.56 3.84 0.00	90.21 4.14 0.00	121.08 5.33 0.00	62.93 3.22 0.00	53.36 3.00 0.00	55.86 2.89 0.00	57.01 3.06 0.00	56.81 2.96 0.00	75.02 3.54 0.00	86.20 3.85 0.00	96.86 4.85 0.00	60.68 3.12 0.00	57.60 2.88 0.00	55.80 2.82 0.00	53.26 2.83 0.00	50.45 2.43 0.00	49.42 2.36 0.00
ASTORIA_GT_8 24108	47.70 2.39 0.00	51.01 2.34 0.00	45.93 2.04 0.00	47.44 1.99 0.00	48.04 2.00 0.00	49.53 2.29 0.00	65.97 3.29 0.00	81.56 3.84 0.00	90.21 4.14 0.00	121.08 5.33 0.00	62.93 3.22 0.00	53.36 3.00 0.00	55.86 2.89 0.00	57.01 3.06 0.00	56.81 2.96 0.00	75.02 3.54 0.00	86.20 3.85 0.00	96.86 4.85 0.00	60.68 3.12 0.00	57.60 2.88 0.00	55.80 2.82 0.00	53.26 2.83 0.00	50.45 2.43 0.00	49.42 2.36 0.00
ASTORIA___2 24149	47.63 2.32 0.00	50.96 2.29 0.00	45.85 1.96 0.00	47.40 1.95 0.00	47.97 1.94 0.00	49.46 2.21 0.00	65.85 3.18 0.00	81.41 3.68 0.00	90.04 3.97 0.00	120.84 5.10 0.00	62.85 3.14 0.00	53.26 2.90 0.00	55.76 2.79 0.00	56.91 2.97 0.00	56.71 2.86 0.00	74.86 3.39 0.00	86.04 3.69 0.00	96.65 4.63 0.00	60.56 3.00 0.00	57.49 2.78 0.00	55.69 2.71 0.00	53.16 2.74 0.00	50.34 2.32 0.00	49.33 2.28 0.00
ASTORIA___3 23516	47.82 2.51 0.00	51.11 2.43 0.00	45.98 2.09 0.00	47.53 2.08 0.00	48.11 2.08 0.00	49.60 2.36 0.00	66.01 3.33 0.00	81.50 3.77 0.00	90.16 4.08 0.00	121.06 5.32 0.00	62.96 3.25 0.00	53.36 3.00 0.00	56.02 3.05 0.00	57.10 3.16 0.00	56.90 3.04 0.00	75.13 3.65 0.00	86.17 3.82 0.00	96.80 4.78 0.00	60.67 3.11 0.00	57.62 2.90 0.00	55.85 2.87 0.00	53.30 2.88 0.00	50.48 2.46 0.00	49.48 2.43 0.00
ASTORIA___4 23517	47.81 2.50 0.00	51.09 2.41 0.00	45.98 2.08 0.00	47.50 2.04 0.00	48.10 2.07 0.00	49.61 2.36 0.00	66.01 3.33 0.00	81.48 3.76 0.00	90.15 4.08 0.00	121.07 5.33 0.00	62.91 3.20 0.00	53.35 2.99 0.00	56.00 3.04 0.00	57.08 3.14 0.00	56.89 3.04 0.00	75.14 3.66 0.00	86.17 3.82 0.00	96.80 4.78 0.00	60.67 3.11 0.00	57.62 2.90 0.00	55.85 2.87 0.00	53.30 2.88 0.00	50.48 2.47 0.00	49.49 2.43 0.00
ASTORIA___5 23518	47.82 2.51 0.00	51.11 2.43 0.00	45.98 2.09 0.00	47.53 2.08 0.00	48.11 2.08 0.00	49.60 2.36 0.00	66.01 3.33 0.00	81.50 3.77 0.00	90.16 4.08 0.00	121.06 5.32 0.00	62.96 3.25 0.00	53.36 3.00 0.00	56.02 3.05 0.00	57.10 3.16 0.00	56.90 3.04 0.00	75.13 3.65 0.00	86.17 3.82 0.00	96.80 4.78 0.00	60.67 3.11 0.00	57.62 2.90 0.00	55.85 2.87 0.00	53.30 2.87 0.00	50.48 2.46 0.00	49.48 2.43 0.00
AST_ENERGY_2_CC3 323677	37.36 1.86 9.81	37.36 1.79 13.10	37.36 1.52 8.05	37.36 1.48 9.58	37.36 1.48 10.15	47.86 1.70 1.09	65.16 2.48 0.00	80.56 2.83 0.00	89.12 3.04 0.00	119.57 3.83 0.00	62.20 2.49 0.00	52.72 2.35 0.00	55.18 2.21 0.00	56.32 2.37 0.00	56.12 2.27 0.00	74.09 2.61 0.00	85.13 2.78 0.00	95.66 3.64 0.00	59.94 2.38 0.00	56.90 2.18 0.00	55.12 2.14 0.00	52.62 2.20 0.00	49.83 1.81 0.00	48.82 1.76 0.00
AST_ENERGY_2_CC4 323678	37.36 1.86 9.81	37.36 1.79 13.10	37.36 1.52 8.05	37.36 1.48 9.58	37.36 1.48 10.15	47.86 1.70 1.09	65.16 2.48 0.00	80.56 2.83 0.00	89.12 3.04 0.00	119.57 3.83 0.00	62.20 2.49 0.00	52.72 2.35 0.00	55.18 2.21 0.00	56.32 2.37 0.00	56.12 2.27 0.00	74.09 2.61 0.00	85.13 2.78 0.00	95.66 3.64 0.00	59.94 2.38 0.00	56.90 2.18 0.00	55.12 2.14 0.00	52.62 2.20 0.00	49.83 1.81 0.00	48.82 1.76 0.00

ATHENS_STG_1 23668	46.44 1.12 0.00	49.81 1.14 0.00	45.00 1.11 0.00	46.54 1.09 0.00	47.05 1.02 0.00	48.34 1.09 0.00	64.12 1.44 0.00	79.39 1.66 0.00	87.92 1.85 0.00	118.14 2.40 0.00	61.05 1.34 0.00	51.59 1.22 0.00	54.19 1.22 0.00	55.17 1.23 0.00	55.07 1.22 0.00	73.01 1.53 0.00	83.96 1.61 0.00	93.75 1.74 0.00	58.89 1.33 0.00	55.98 1.26 0.00	54.30 1.32 0.00	51.72 1.30 0.00	49.13 1.11 0.00	48.13 1.08 0.00
ATHENS_STG_2 23670	46.44 1.12 0.00	49.81 1.14 0.00	45.00 1.11 0.00	46.54 1.09 0.00	47.05 1.02 0.00	48.34 1.09 0.00	64.12 1.44 0.00	79.39 1.66 0.00	87.92 1.85 0.00	118.14 2.40 0.00	61.05 1.34 0.00	51.59 1.22 0.00	54.19 1.22 0.00	55.17 1.23 0.00	55.07 1.22 0.00	73.01 1.53 0.00	83.96 1.61 0.00	93.75 1.74 0.00	58.89 1.33 0.00	55.98 1.26 0.00	54.30 1.32 0.00	51.72 1.30 0.00	49.13 1.11 0.00	48.13 1.08 0.00
ATHENS_STG_3 23677	46.44 1.12 0.00	49.81 1.14 0.00	45.00 1.11 0.00	46.54 1.09 0.00	47.05 1.02 0.00	48.34 1.09 0.00	64.12 1.44 0.00	79.39 1.66 0.00	87.92 1.85 0.00	118.14 2.40 0.00	61.05 1.34 0.00	51.59 1.22 0.00	54.19 1.22 0.00	55.17 1.23 0.00	55.07 1.22 0.00	73.01 1.53 0.00	83.96 1.61 0.00	93.75 1.74 0.00	58.89 1.33 0.00	55.98 1.26 0.00	54.30 1.32 0.00	51.72 1.30 0.00	49.13 1.11 0.00	48.13 1.08 0.00
AUBURN___LFGE 323710	49.40 -0.26 -4.35	49.66 -0.40 -1.39	44.35 -0.50 -0.96	45.95 -0.60 -1.10	48.81 -0.53 -3.31	46.80 -0.56 -0.12	62.18 -0.50 0.00	77.54 -0.69 -0.50	85.26 -0.81 0.00	114.55 -1.20 0.00	63.24 -0.67 -4.20	57.22 -0.55 -7.41	61.64 -0.63 -9.30	59.09 -0.55 -5.70	58.23 -0.60 -4.97	71.16 -0.74 -0.42	82.74 -0.72 -1.11	93.82 -0.94 -2.74	57.56 -0.57 -0.57	54.03 -0.69 0.00	53.13 -0.77 -0.92	51.81 -0.79 -2.17	47.33 -0.69 0.00	46.38 -0.68 0.00
BABYLON_RES_REC 323704	58.71 2.50 -10.90	51.13 2.45 0.00	46.02 2.13 0.00	47.49 2.04 0.00	48.12 2.09 0.00	49.70 2.46 0.00	66.42 3.61 -0.12	83.65 3.93 -1.99	90.61 4.54 0.00	122.82 6.13 -0.94	74.36 3.63 -11.02	55.18 3.16 -1.66	57.47 3.12 -1.38	137.72 3.53 -80.25	60.12 2.66 -3.61	78.53 3.66 -3.39	110.85 4.19 -24.31	150.11 5.28 -52.81	100.15 3.48 -39.12	85.85 3.20 -27.93	57.31 3.11 -1.22	53.90 3.04 -0.44	50.71 2.69 0.00	49.84 2.78 0.00
BALL_HILL_WT_PWR 323825	35.55 -3.12 6.64	45.06 -3.62 0.00	40.55 -3.34 0.00	41.91 -3.54 0.00	38.07 -3.55 4.40	43.46 -3.79 0.00	58.04 -4.64 0.00	70.48 -6.22 1.02	78.61 -7.46 0.00	105.81 -9.93 0.00	46.43 -5.25 8.03	31.39 -4.24 14.73	25.89 -4.61 22.47	34.17 -4.32 15.44	35.84 -4.43 13.58	64.42 -5.91 1.15	73.07 -6.24 3.04	77.26 -7.85 6.90	51.51 -5.08 0.97	49.47 -5.25 0.00	45.21 -5.42 2.35	40.64 -5.21 4.58	43.32 -4.70 0.00	42.95 -4.11 0.00
BARON_WINDS___WT_PWR 323822	27.85 -3.56 13.91	44.80 -3.88 0.00	40.26 -3.63 0.00	41.55 -3.90 0.00	32.85 -3.96 9.23	43.11 -4.13 0.00	57.31 -5.36 0.00	68.31 -7.28 2.13	78.24 -7.83 0.00	104.72 -11.02 0.00	33.89 -6.36 19.46	12.51 -5.36 32.49	1.13 -5.79 46.05	17.33 -5.36 31.25	20.98 -5.42 27.46	62.03 -7.11 2.33	68.47 -7.73 6.15	69.26 -8.73 14.03	50.23 -5.29 2.04	49.30 -5.42 0.00	41.55 -5.91 5.52	35.03 -5.61 9.78	43.06 -4.96 0.00	42.50 -4.56 0.00
BARRETT_IC_1 23704	56.63 2.13 -9.18	50.79 2.12 0.00	45.71 1.82 0.00	47.20 1.75 0.00	47.81 1.78 0.00	49.29 2.05 0.00	65.60 2.92 0.00	80.75 3.02 0.00	89.61 3.53 0.00	120.41 4.65 -0.01	72.38 2.76 -9.92	54.30 2.54 -1.40	55.48 2.51 -0.01	124.57 2.67 -67.96	57.92 2.12 -1.95	75.66 2.92 -1.26	104.72 3.05 -19.32	139.96 3.85 -44.09	93.33 2.69 -33.08	80.62 2.48 -23.42	55.52 2.53 0.00	52.93 2.50 0.00	50.21 2.19 0.00	49.37 2.31 0.00
BARRETT_IC_10 23701	56.63 2.13 -9.18	50.79 2.12 0.00	45.71 1.82 0.00	47.20 1.75 0.00	47.81 1.78 0.00	49.29 2.05 0.00	65.60 2.92 0.00	80.75 3.02 0.00	89.61 3.53 0.00	120.41 4.65 -0.01	72.38 2.76 -9.92	54.30 2.54 -1.40	55.48 2.51 -0.01	124.57 2.67 -67.96	57.92 2.12 -1.95	75.66 2.92 -1.26	104.72 3.05 -19.32	139.96 3.85 -44.09	93.33 2.69 -33.08	80.62 2.48 -23.42	55.52 2.53 0.00	52.93 2.50 0.00	50.21 2.19 0.00	49.37 2.31 0.00
BARRETT_IC_11 23702	56.63 2.13 -9.18	50.79 2.12 0.00	45.71 1.82 0.00	47.20 1.75 0.00	47.81 1.78 0.00	49.29 2.05 0.00	65.60 2.92 0.00	80.75 3.02 0.00	89.61 3.53 0.00	120.41 4.65 -0.01	72.38 2.76 -9.92	54.30 2.54 -1.40	55.48 2.51 -0.01	124.57 2.67 -67.96	57.92 2.12 -1.95	75.66 2.92 -1.26	104.72 3.05 -19.32	139.96 3.85 -44.09	93.33 2.69 -33.08	80.62 2.48 -23.42	55.52 2.53 0.00	52.93 2.50 0.00	50.21 2.19 0.00	49.37 2.31 0.00
BARRETT_IC_12 23703	56.63 2.13 -9.18	50.79 2.12 0.00	45.71 1.82 0.00	47.20 1.75 0.00	47.81 1.78 0.00	49.29 2.05 0.00	65.60 2.92 0.00	80.75 3.02 0.00	89.61 3.53 0.00	120.41 4.65 -0.01	72.38 2.76 -9.92	54.30 2.54 -1.40	55.48 2.51 -0.01	124.57 2.67 -67.96	57.92 2.12 -1.95	75.66 2.92 -1.26	104.72 3.05 -19.32	139.96 3.85 -44.09	93.33 2.69 -33.08	80.62 2.48 -23.42	55.52 2.53 0.00	52.93 2.50 0.00	50.21 2.19 0.00	49.37 2.31 0.00
BARRETT_IC_2 23705	56.63 2.13 -9.18	50.79 2.12 0.00	45.71 1.82 0.00	47.20 1.75 0.00	47.81 1.78 0.00	49.29 2.05 0.00	65.60 2.92 0.00	80.75 3.02 0.00	89.61 3.53 0.00	120.41 4.65 -0.01	72.38 2.76 -9.92	54.30 2.54 -1.40	55.48 2.51 -0.01	124.57 2.67 -67.96	57.92 2.12 -1.95	75.66 2.92 -1.26	104.72 3.05 -19.32	139.96 3.85 -44.09	93.33 2.69 -33.08	80.62 2.48 -23.42	55.52 2.53 0.00	52.93 2.50 0.00	50.21 2.19 0.00	49.37 2.31 0.00
BARRETT_IC_3 23706	56.63 2.13 -9.18	50.79 2.12 0.00	45.71 1.82 0.00	47.20 1.75 0.00	47.81 1.78 0.00	49.29 2.05 0.00	65.60 2.92 0.00	80.75 3.02 0.00	89.61 3.53 0.00	120.41 4.65 -0.01	72.38 2.76 -9.92	54.30 2.54 -1.40	55.48 2.51 -0.01	124.57 2.67 -67.96	57.92 2.12 -1.95	75.66 2.92 -1.26	104.72 3.05 -19.32	139.96 3.85 -44.09	93.33 2.69 -33.08	80.62 2.48 -23.42	55.52 2.53 0.00	52.93 2.50 0.00	50.21 2.19 0.00	49.37 2.31 0.00
BARRETT_IC_4 23707	56.63 2.13 -9.18	50.79 2.12 0.00	45.71 1.82 0.00	47.20 1.75 0.00	47.81 1.78 0.00	49.29 2.05 0.00	65.60 2.92 0.00	80.75 3.02 0.00	89.61 3.53 0.00	120.41 4.65 -0.01	72.38 2.76 -9.92	54.30 2.54 -1.40	55.48 2.51 -0.01	124.57 2.67 -67.96	57.92 2.12 -1.95	75.66 2.92 -1.26	104.72 3.05 -19.32	139.96 3.85 -44.09	93.33 2.69 -33.08	80.62 2.48 -23.42	55.52 2.53 0.00	52.93 2.50 0.00	50.21 2.19 0.00	49.37 2.31 0.00
BARRETT_IC_5 23708	56.63 2.13 -9.18	50.79 2.12 0.00	45.71 1.82 0.00	47.20 1.75 0.00	47.81 1.78 0.00	49.29 2.05 0.00	65.60 2.92 0.00	80.75 3.02 0.00	89.61 3.53 0.00	120.41 4.65 -0.01	72.38 2.76 -9.92	54.30 2.54 -1.40	55.48 2.51 -0.01	124.57 2.67 -67.96	57.92 2.12 -1.95	75.66 2.92 -1.26	104.72 3.05 -19.32	139.96 3.85 -44.09	93.33 2.69 -33.08	80.62 2.48 -23.42	55.52 2.53 0.00	52.93 2.50 0.00	50.21 2.19 0.00	49.37 2.31 0.00

BARRETT_IC_6 23709	56.63 2.13 -9.18	50.79 2.12 0.00	45.71 1.82 0.00	47.20 1.75 0.00	47.81 1.78 0.00	49.29 2.05 0.00	65.60 2.92 0.00	80.75 3.02 0.00	89.61 3.53 0.00	120.41 4.65 -0.01	72.38 2.76 -9.92	54.30 2.54 -1.40	55.48 2.51 -0.01	124.57 2.67 -67.96	57.92 2.12 -1.95	75.66 2.92 -1.26	104.72 3.05 -19.32	139.96 3.85 -44.09	93.33 2.69 -33.08	80.62 2.48 -23.42	55.52 2.53 0.00	52.93 2.50 0.00	50.21 2.19 0.00	49.37 2.31 0.00
BARRETT_IC_7 23710	56.61 2.12 -9.18	50.78 2.10 0.00	45.71 1.82 0.00	47.18 1.73 0.00	47.81 1.78 0.00	49.29 2.05 0.00	65.60 2.92 0.00	80.73 3.01 0.00	89.61 3.53 0.00	120.42 4.67 -0.01	72.38 2.75 -9.92	54.29 2.54 -1.40	55.47 2.50 -0.01	124.56 2.66 -67.96	57.92 2.12 -1.95	75.65 2.91 -1.26	104.72 3.06 -19.32	139.93 3.82 -44.09	93.33 2.69 -33.08	80.64 2.50 -23.42	55.52 2.53 0.00	52.93 2.50 0.00	50.21 2.19 0.00	49.37 2.32 0.00
BARRETT_IC_8 23711	56.63 2.13 -9.18	50.79 2.12 0.00	45.71 1.82 0.00	47.20 1.75 0.00	47.81 1.78 0.00	49.29 2.05 0.00	65.60 2.92 0.00	80.75 3.02 0.00	89.61 3.53 0.00	120.41 4.65 -0.01	72.38 2.76 -9.92	54.30 2.54 -1.40	55.48 2.51 -0.01	124.57 2.67 -67.96	57.92 2.12 -1.95	75.66 2.92 -1.26	104.72 3.05 -19.32	139.96 3.85 -44.09	93.33 2.69 -33.08	80.62 2.48 -23.42	55.52 2.53 0.00	52.93 2.50 0.00	50.21 2.19 0.00	49.37 2.31 0.00
BARRETT_IC_9 23700	56.63 2.13 -9.18	50.79 2.12 0.00	45.71 1.82 0.00	47.20 1.75 0.00	47.81 1.78 0.00	49.29 2.05 0.00	65.60 2.92 0.00	80.75 3.02 0.00	89.61 3.53 0.00	120.41 4.65 -0.01	72.38 2.76 -9.92	54.30 2.54 -1.40	55.48 2.51 -0.01	124.57 2.67 -67.96	57.92 2.12 -1.95	75.66 2.92 -1.26	104.72 3.05 -19.32	139.96 3.85 -44.09	93.33 2.69 -33.08	80.62 2.48 -23.42	55.52 2.53 0.00	52.93 2.50 0.00	50.21 2.19 0.00	49.37 2.31 0.00
BARRETT___1 23545	56.63 2.13 -9.18	50.79 2.12 0.00	45.71 1.82 0.00	47.20 1.75 0.00	47.81 1.78 0.00	49.29 2.05 0.00	65.60 2.92 0.00	80.75 3.02 0.00	89.61 3.53 0.00	120.41 4.65 -0.01	72.38 2.76 -9.92	54.30 2.54 -1.40	55.48 2.51 -0.01	124.57 2.67 -67.96	57.92 2.12 -1.95	75.66 2.92 -1.26	104.72 3.05 -19.32	139.96 3.85 -44.09	93.33 2.69 -33.08	80.62 2.48 -23.42	55.52 2.53 0.00	52.93 2.50 0.00	50.21 2.19 0.00	49.37 2.31 0.00
BARRETT___2 23546	56.63 2.13 -9.18	50.79 2.12 0.00	45.71 1.82 0.00	47.20 1.75 0.00	47.81 1.78 0.00	49.29 2.05 0.00	65.60 2.92 0.00	80.75 3.02 0.00	89.61 3.53 0.00	120.41 4.65 -0.01	72.38 2.76 -9.92	54.30 2.54 -1.40	55.48 2.51 -0.01	124.57 2.67 -67.96	57.92 2.12 -1.95	75.66 2.92 -1.26	104.72 3.05 -19.32	139.96 3.85 -44.09	93.33 2.69 -33.08	80.62 2.48 -23.42	55.52 2.53 0.00	52.93 2.50 0.00	50.21 2.19 0.00	49.37 2.31 0.00
BATAVIA___115KV_TB1 55881	38.80 -1.59 4.92	46.62 -2.06 0.00	42.08 -1.82 0.00	43.34 -2.11 0.00	40.92 -1.84 3.26	44.96 -2.29 0.00	60.07 -2.61 0.00	73.70 -3.27 0.75	81.98 -4.10 0.00	110.35 -5.39 0.00	50.99 -2.79 5.92	37.27 -2.17 10.93	33.94 -2.38 16.65	40.15 -2.35 11.44	41.39 -2.39 10.07	67.12 -3.50 0.85	76.74 -3.35 2.26	82.93 -3.98 5.12	54.05 -2.79 0.72	51.68 -3.04 0.00	47.97 -3.23 1.78	43.85 -3.17 3.41	44.98 -3.04 0.00	44.48 -2.57 0.00
BAYONEEC___CTG1 323682	47.76 2.44 0.00	51.03 2.36 0.00	45.89 2.00 0.00	47.44 1.99 0.00	48.02 1.99 0.00	49.54 2.30 0.00	66.04 3.36 0.00	81.49 3.76 0.00	90.12 4.04 0.00	121.08 5.33 0.00	62.81 3.10 0.00	53.22 2.86 0.00	55.90 2.93 0.00	56.97 3.03 0.00	56.74 2.89 0.00	75.11 3.64 0.00	86.15 3.81 0.00	96.75 4.73 0.00	60.61 3.05 0.00	57.53 2.81 0.00	55.78 2.80 0.00	53.19 2.76 0.00	50.36 2.34 0.00	49.38 2.32 0.00
BAYONEEC___CTG10 323750	47.76 2.44 0.00	51.03 2.36 0.00	45.89 2.00 0.00	47.44 1.99 0.00	48.02 1.99 0.00	49.54 2.30 0.00	66.04 3.36 0.00	81.49 3.76 0.00	90.12 4.04 0.00	121.08 5.33 0.00	62.81 3.10 0.00	53.22 2.86 0.00	55.90 2.93 0.00	56.97 3.03 0.00	56.74 2.89 0.00	75.11 3.64 0.00	86.15 3.81 0.00	96.75 4.73 0.00	60.61 3.05 0.00	57.53 2.81 0.00	55.78 2.80 0.00	53.19 2.76 0.00	50.36 2.34 0.00	49.38 2.32 0.00
BAYONEEC___CTG2 323683	47.76 2.44 0.00	51.03 2.36 0.00	45.89 2.00 0.00	47.44 1.99 0.00	48.02 1.99 0.00	49.54 2.30 0.00	66.04 3.36 0.00	81.49 3.76 0.00	90.12 4.04 0.00	121.08 5.33 0.00	62.81 3.10 0.00	53.22 2.86 0.00	55.90 2.93 0.00	56.97 3.03 0.00	56.74 2.89 0.00	75.11 3.64 0.00	86.15 3.81 0.00	96.75 4.73 0.00	60.61 3.05 0.00	57.53 2.81 0.00	55.78 2.80 0.00	53.19 2.76 0.00	50.36 2.34 0.00	49.38 2.32 0.00
BAYONEEC___CTG3 323684	47.76 2.44 0.00	51.03 2.36 0.00	45.89 2.00 0.00	47.44 1.99 0.00	48.02 1.99 0.00	49.54 2.30 0.00	66.04 3.36 0.00	81.49 3.76 0.00	90.12 4.04 0.00	121.08 5.33 0.00	62.81 3.10 0.00	53.22 2.86 0.00	55.90 2.93 0.00	56.97 3.03 0.00	56.74 2.89 0.00	75.11 3.64 0.00	86.15 3.81 0.00	96.75 4.73 0.00	60.61 3.05 0.00	57.53 2.81 0.00	55.78 2.80 0.00	53.19 2.76 0.00	50.36 2.34 0.00	49.38 2.32 0.00
BAYONEEC___CTG4 323685	47.76 2.44 0.00	51.03 2.36 0.00	45.89 2.00 0.00	47.44 1.99 0.00	48.02 1.99 0.00	49.54 2.30 0.00	66.04 3.36 0.00	81.49 3.76 0.00	90.12 4.04 0.00	121.08 5.33 0.00	62.81 3.10 0.00	53.22 2.86 0.00	55.90 2.93 0.00	56.97 3.03 0.00	56.74 2.89 0.00	75.11 3.64 0.00	86.15 3.81 0.00	96.75 4.73 0.00	60.61 3.05 0.00	57.53 2.81 0.00	55.78 2.80 0.00	53.19 2.76 0.00	50.36 2.34 0.00	49.38 2.32 0.00
BAYONEEC___CTG5 323686	47.76 2.44 0.00	51.03 2.36 0.00	45.89 2.00 0.00	47.44 1.99 0.00	48.02 1.99 0.00	49.54 2.30 0.00	66.04 3.36 0.00	81.49 3.76 0.00	90.12 4.04 0.00	121.08 5.33 0.00	62.81 3.10 0.00	53.22 2.86 0.00	55.90 2.93 0.00	56.97 3.03 0.00	56.74 2.89 0.00	75.11 3.64 0.00	86.15 3.81 0.00	96.75 4.73 0.00	60.61 3.05 0.00	57.53 2.81 0.00	55.78 2.80 0.00	53.19 2.76 0.00	50.36 2.34 0.00	49.38 2.32 0.00
BAYONEEC___CTG6 323687	47.76 2.44 0.00	51.03 2.36 0.00	45.89 2.00 0.00	47.44 1.99 0.00	48.02 1.99 0.00	49.54 2.30 0.00	66.04 3.36 0.00	81.49 3.76 0.00	90.12 4.04 0.00	121.08 5.33 0.00	62.81 3.10 0.00	53.22 2.86 0.00	55.90 2.93 0.00	56.97 3.03 0.00	56.74 2.89 0.00	75.11 3.64 0.00	86.15 3.81 0.00	96.75 4.73 0.00	60.61 3.05 0.00	57.53 2.81 0.00	55.78 2.80 0.00	53.19 2.76 0.00	50.36 2.34 0.00	49.38 2.32 0.00
BAYONEEC___CTG7 323688	47.76 2.44 0.00	51.03 2.36 0.00	45.89 2.00 0.00	47.44 1.99 0.00	48.02 1.99 0.00	49.54 2.30 0.00	66.04 3.36 0.00	81.49 3.76 0.00	90.12 4.04 0.00	121.08 5.33 0.00	62.81 3.10 0.00	53.22 2.86 0.00	55.90 2.93 0.00	56.97 3.03 0.00	56.74 2.89 0.00	75.11 3.64 0.00	86.15 3.81 0.00	96.75 4.73 0.00	60.61 3.05 0.00	57.53 2.81 0.00	55.78 2.80 0.00	53.19 2.76 0.00	50.36 2.34 0.00	49.38 2.32 0.00

BAYONEEC___CTG8 323689	47.76 2.44 0.00	51.03 2.36 0.00	45.89 2.00 0.00	47.44 1.99 0.00	48.02 1.99 0.00	49.54 2.30 0.00	66.04 3.36 0.00	81.49 3.76 0.00	90.12 4.04 0.00	121.08 5.33 0.00	62.81 3.10 0.00	53.22 2.86 0.00	55.90 2.93 0.00	56.97 3.03 0.00	56.74 2.89 0.00	75.11 3.64 0.00	86.15 3.81 0.00	96.75 4.73 0.00	60.61 3.05 0.00	57.53 2.81 0.00	55.78 2.80 0.00	53.19 2.76 0.00	50.36 2.34 0.00	49.38 2.32 0.00
BAYONEEC___CTG9 323749	47.76 2.44 0.00	51.03 2.36 0.00	45.89 2.00 0.00	47.44 1.99 0.00	48.02 1.99 0.00	49.54 2.30 0.00	66.04 3.36 0.00	81.49 3.76 0.00	90.12 4.04 0.00	121.08 5.33 0.00	62.81 3.10 0.00	53.22 2.86 0.00	55.90 2.93 0.00	56.97 3.03 0.00	56.74 2.89 0.00	75.11 3.64 0.00	86.15 3.81 0.00	96.75 4.73 0.00	60.61 3.05 0.00	57.53 2.81 0.00	55.78 2.80 0.00	53.19 2.76 0.00	50.36 2.34 0.00	49.38 2.32 0.00
BEACON___LESR 323632	46.54 1.23 0.00	49.84 1.17 0.00	45.17 1.28 0.00	46.70 1.25 0.00	47.34 1.31 0.00	48.59 1.35 0.00	63.93 1.25 0.00	79.59 1.86 0.00	88.15 2.08 0.00	118.30 2.55 0.00	60.96 1.25 0.00	51.53 1.17 0.00	54.25 1.28 0.00	55.18 1.25 0.00	55.23 1.38 0.00	73.31 1.84 0.00	84.37 2.03 0.00	93.78 1.76 0.00	59.19 1.63 0.00	56.26 1.54 0.00	54.62 1.64 0.00	52.03 1.60 0.00	49.54 1.52 0.00	48.40 1.34 0.00
BEAVER RIVER___HYD 24048	46.82 0.76 -0.75	49.82 0.19 -0.95	44.38 -0.17 -0.66	45.87 -0.33 -0.75	46.65 -0.17 -0.79	47.43 0.11 -0.08	63.07 0.39 0.00	78.19 0.47 0.00	86.96 0.88 0.00	117.94 2.20 0.00	60.87 1.16 0.00	51.22 0.86 0.00	53.02 0.06 0.00	53.52 -0.41 0.00	53.35 -0.50 0.00	70.96 -0.51 0.00	82.17 -0.18 0.00	91.80 -0.22 0.00	56.63 -0.93 0.00	53.60 -1.12 0.00	52.06 -0.93 0.00	50.01 -0.42 0.00	47.20 -0.82 0.00	46.66 -0.39 0.00
BEEBEE_GT_13 23619	40.38 -1.55 3.38	46.73 -1.94 0.00	42.19 -1.70 0.00	43.52 -1.94 0.00	42.02 -1.77 2.24	45.25 -1.99 0.00	60.46 -2.22 0.00	74.36 -2.85 0.52	82.56 -3.51 0.00	111.15 -4.59 0.00	53.10 -2.45 4.17	40.80 -1.97 7.59	39.33 -2.15 11.49	43.95 -2.07 7.92	44.74 -2.14 6.98	68.03 -2.85 0.59	77.87 -2.92 1.56	85.01 -3.46 3.54	54.73 -2.33 0.49	52.23 -2.48 0.00	49.07 -2.66 1.25	45.47 -2.61 2.35	45.55 -2.47 0.00	44.90 -2.16 0.00
BENSHRST_27_KV_BENSHRST_1 355998	48.13 2.82 0.00	51.42 2.75 0.00	46.25 2.35 0.00	47.78 2.33 0.00	48.39 2.36 0.00	49.91 2.66 0.00	66.46 3.78 0.00	82.12 4.39 0.00	90.80 4.73 0.00	121.84 6.10 0.00	63.39 3.68 0.00	53.77 3.41 0.00	56.40 3.43 0.00	57.41 3.47 0.00	57.25 3.40 0.00	75.55 4.08 0.00	86.64 4.29 0.00	97.44 5.42 0.00	61.09 3.53 0.00	58.02 3.30 0.00	56.26 3.28 0.00	53.71 3.29 0.00	50.85 2.82 0.00	49.80 2.74 0.00
BETHLEHEM___GRP 23843	45.80 0.49 0.00	49.20 0.53 0.00	44.54 0.65 0.00	46.09 0.64 0.00	46.61 0.58 0.00	47.77 0.53 0.00	62.74 0.06 0.00	78.05 0.32 0.00	86.63 0.56 0.00	116.22 0.48 0.00	60.00 0.29 0.00	50.71 0.35 0.00	53.28 0.31 0.00	54.16 0.22 0.00	54.26 0.41 0.00	71.82 0.35 0.00	82.56 0.21 0.00	91.86 -0.16 0.00	58.03 0.47 0.00	55.22 0.50 0.00	53.56 0.58 0.00	51.11 0.69 0.00	48.82 0.79 0.00	47.75 0.69 0.00
BETHLEHEM___GS1 323560	45.81 0.50 0.00	49.21 0.54 0.00	44.55 0.66 0.00	46.10 0.65 0.00	46.62 0.59 0.00	47.77 0.53 0.00	62.75 0.07 0.00	78.04 0.32 0.00	86.64 0.56 0.00	116.23 0.49 0.00	59.94 0.23 0.00	50.72 0.36 0.00	53.30 0.33 0.00	54.19 0.25 0.00	54.27 0.42 0.00	71.82 0.34 0.00	82.58 0.23 0.00	91.88 -0.14 0.00	58.04 0.48 0.00	55.22 0.50 0.00	53.57 0.59 0.00	51.11 0.68 0.00	48.81 0.79 0.00	47.75 0.69 0.00
BETHLEHEM___GS2 323561	45.81 0.50 0.00	49.21 0.54 0.00	44.55 0.66 0.00	46.10 0.65 0.00	46.62 0.59 0.00	47.77 0.53 0.00	62.75 0.07 0.00	78.04 0.32 0.00	86.64 0.56 0.00	116.23 0.49 0.00	59.94 0.23 0.00	50.72 0.36 0.00	53.30 0.33 0.00	54.19 0.25 0.00	54.27 0.42 0.00	71.82 0.34 0.00	82.58 0.23 0.00	91.88 -0.14 0.00	58.04 0.48 0.00	55.22 0.50 0.00	53.57 0.59 0.00	51.11 0.68 0.00	48.81 0.79 0.00	47.75 0.69 0.00
BETHLEHEM___GS3 323562	45.81 0.50 0.00	49.21 0.54 0.00	44.55 0.66 0.00	46.10 0.65 0.00	46.62 0.59 0.00	47.77 0.53 0.00	62.75 0.07 0.00	78.04 0.32 0.00	86.64 0.56 0.00	116.23 0.49 0.00	59.94 0.23 0.00	50.72 0.36 0.00	53.30 0.33 0.00	54.19 0.25 0.00	54.27 0.42 0.00	71.82 0.34 0.00	82.58 0.23 0.00	91.88 -0.14 0.00	58.04 0.48 0.00	55.22 0.50 0.00	53.57 0.59 0.00	51.11 0.68 0.00	48.81 0.79 0.00	47.75 0.69 0.00
BETHLEHEM___STEEL 23779	35.67 -2.93 6.71	45.20 -3.47 0.00	40.80 -3.09 0.00	41.98 -3.47 0.00	38.31 -3.27 4.45	43.60 -3.64 0.00	58.17 -4.51 0.00	70.73 -5.97 1.03	79.10 -6.97 0.00	106.56 -9.18 0.00	46.91 -4.78 8.02	31.65 -3.88 14.84	26.10 -4.20 22.67	34.35 -4.03 15.56	35.99 -4.18 13.68	64.59 -5.72 1.16	73.23 -6.05 3.06	77.83 -7.22 6.96	51.85 -4.73 0.98	49.79 -4.93 0.00	45.53 -5.06 2.39	40.92 -4.87 4.63	43.56 -4.46 0.00	43.18 -3.87 0.00
BETHLHEM_115KV_TB1 79974	45.87 0.56 0.00	49.27 0.59 0.00	44.61 0.73 0.00	46.15 0.69 0.00	46.68 0.65 0.00	47.84 0.59 0.00	62.92 0.24 0.00	78.23 0.50 0.00	86.80 0.73 0.00	116.49 0.74 0.00	60.11 0.40 0.00	50.80 0.44 0.00	53.37 0.41 0.00	54.28 0.34 0.00	54.36 0.51 0.00	71.99 0.51 0.00	82.78 0.43 0.00	92.12 0.10 0.00	58.14 0.58 0.00	55.31 0.59 0.00	53.65 0.67 0.00	51.19 0.76 0.00	48.85 0.83 0.00	47.79 0.73 0.00
BETHPAGE_CC_5 323564	58.48 2.42 -10.75	51.02 2.34 0.00	45.96 2.07 0.00	47.43 1.98 0.00	48.06 2.02 0.00	49.61 2.37 0.00	66.13 3.46 0.00	81.43 3.71 0.00	90.41 4.33 0.00	121.57 5.82 -0.01	74.79 3.47 -11.61	55.03 3.04 -1.63	55.99 3.01 -0.01	138.62 3.41 -81.27	58.76 2.63 -2.29	76.52 3.57 -1.48	108.97 4.01 -22.62	148.70 5.05 -51.63	99.63 3.34 -38.74	85.27 3.12 -27.43	56.01 3.02 0.00	53.38 2.96 0.00	50.64 2.63 0.00	49.75 2.69 0.00
BIGTREE_115_KV_TB2_REV_LBMP_A 345034	35.68 -2.83 6.80	45.32 -3.35 0.00	40.89 -3.00 0.00	42.08 -3.37 0.00	38.35 -3.16 4.51	43.73 -3.52 0.00	58.33 -4.35 0.00	70.96 -5.73 1.04	79.37 -6.70 0.00	106.91 -8.84 0.00	46.95 -4.60 8.17	31.58 -3.72 15.06	25.95 -4.02 22.99	34.28 -3.87 15.79	35.98 -3.98 13.89	64.82 -5.48 1.18	73.43 -5.80 3.11	78.07 -6.89 7.06	52.01 -4.55 1.00	49.95 -4.76 0.00	45.67 -4.90 2.41	41.00 -4.73 4.69	43.66 -4.36 0.00	43.30 -3.76 0.00
BINGHAMTON___COGEN 23790	42.52 -0.27 2.52	48.27 -0.41 0.00	43.58 -0.31 0.00	45.05 -0.40 0.00	43.97 -0.39 1.67	46.89 -0.36 0.00	62.38 -0.30 0.00	76.82 -0.52 0.39	85.40 -0.67 0.00	114.84 -0.90 0.00	55.77 -0.52 3.42	44.29 -0.35 5.72	47.44 -0.43 5.10	51.42 -0.32 2.20	51.48 -0.41 1.96	70.81 -0.50 0.17	81.35 -0.56 0.44	90.02 -0.82 1.18	56.76 -0.48 0.32	54.17 -0.55 0.00	51.97 -0.59 0.42	48.22 -0.62 1.59	47.35 -0.67 0.00	46.45 -0.61 0.00

BIXINCNT_115KV_LOAD 355685	35.38 -2.72 7.22	45.55 -3.12 0.00	40.87 -3.02 0.00	42.09 -3.36 0.00	38.11 -3.14 4.79	43.68 -3.57 0.00	58.42 -4.26 0.00	71.21 -5.41 1.11	79.13 -6.95 0.00	106.31 -9.43 0.00	45.94 -4.97 8.80	29.93 -4.38 16.05	24.22 -4.29 24.45	33.13 -4.00 16.82	35.03 -4.04 14.79	64.87 -5.35 1.26	73.61 -5.43 3.31	77.96 -6.55 7.51	52.20 -4.30 1.06	49.84 -4.87 0.00	45.46 -5.01 2.51	40.27 -5.20 4.96	43.25 -4.77 0.00	43.21 -3.85 0.00
BLACK RIVER___HYD 24047	47.28 0.63 -1.34	50.47 0.08 -1.71	44.81 -0.27 -1.18	46.32 -0.48 -1.35	47.15 -0.30 -1.42	47.44 0.05 -0.14	63.12 0.44 0.00	78.38 0.65 0.00	87.24 1.16 0.00	118.14 2.40 0.00	60.89 1.18 0.00	51.30 0.94 0.00	52.86 -0.11 0.00	53.31 -0.64 0.00	52.99 -0.86 0.00	70.87 -0.60 0.00	82.03 -0.31 0.00	91.51 -0.51 0.00	56.49 -1.07 0.00	53.38 -1.34 0.00	51.73 -1.26 0.00	49.42 -1.00 0.00	46.57 -1.44 0.00	46.09 -0.97 0.00
BLACKRVR_115KV_TB2 79977	47.28 0.63 -1.34	50.47 0.09 -1.71	44.81 -0.27 -1.18	46.32 -0.49 -1.35	47.15 -0.30 -1.42	47.44 0.05 -0.14	63.12 0.44 0.00	78.38 0.65 0.00	87.24 1.16 0.00	118.14 2.40 0.00	60.89 1.18 0.00	51.30 0.94 0.00	52.86 -0.11 0.00	53.31 -0.63 0.00	52.99 -0.87 0.00	70.87 -0.60 0.00	82.03 -0.31 0.00	91.52 -0.50 0.00	56.49 -1.07 0.00	53.38 -1.34 0.00	51.72 -1.26 0.00	49.42 -1.00 0.00	46.57 -1.44 0.00	46.09 -0.97 0.00
BLDWN_LI_69_KV_BK4 356085	59.75 2.50 -11.94	51.12 2.44 0.00	46.02 2.12 0.00	47.49 2.03 0.00	48.13 2.10 0.00	49.68 2.44 0.00	66.13 3.45 0.00	81.35 3.63 0.00	90.42 4.35 0.00	121.65 5.90 -0.01	76.02 3.41 -12.89	55.24 3.06 -1.81	56.00 3.03 -0.01	147.13 3.22 -89.97	59.02 2.63 -2.54	76.70 3.58 -1.64	111.32 3.85 -25.12	154.19 4.83 -57.34	103.87 3.28 -43.02	88.34 3.17 -30.46	56.10 3.12 0.00	53.46 3.03 0.00	50.69 2.67 0.00	49.76 2.70 0.00
BLISS_WT_PWR 323608	35.25 -2.84 7.22	45.54 -3.14 0.00	40.75 -3.14 0.00	42.12 -3.33 0.00	37.93 -3.31 4.79	43.48 -3.77 0.00	58.18 -4.49 0.00	70.95 -5.67 1.11	78.71 -7.36 0.00	105.70 -10.05 0.00	45.51 -5.40 8.80	29.48 -4.83 16.05	23.83 -4.68 24.45	32.80 -4.32 16.82	34.77 -4.29 14.79	64.63 -5.59 1.26	73.39 -5.64 3.31	77.62 -6.88 7.51	52.04 -4.47 1.06	49.58 -5.13 0.00	45.19 -5.28 2.51	39.94 -5.52 4.96	42.96 -5.06 0.00	43.01 -4.05 0.00
BLUESTONE___WT_PWR 323821	49.01 0.75 -2.95	49.16 0.48 0.00	44.64 0.75 0.00	46.02 0.57 0.00	48.43 0.45 -1.96	47.96 0.71 0.00	63.82 1.14 0.00	79.36 1.18 -0.45	87.17 1.10 0.00	116.45 0.71 0.00	63.91 0.57 -3.63	57.96 0.93 -6.67	64.09 1.08 -10.04	62.07 1.23 -6.90	60.96 1.07 -6.04	73.66 1.68 -0.51	85.95 2.25 -1.35	97.23 1.98 -3.23	58.91 0.76 -0.59	54.82 0.10 0.00	54.32 0.27 -1.07	52.69 0.22 -2.04	47.51 -0.51 0.00	46.08 -0.98 0.00
BLUE_CIRC_CHEM_DRP 24182	46.14 0.83 0.00	49.60 0.93 0.00	44.89 1.00 0.00	46.45 1.00 0.00	46.98 0.95 0.00	48.17 0.93 0.00	63.49 0.81 0.00	78.81 1.08 0.00	87.42 1.35 0.00	117.31 1.56 0.00	60.47 0.77 0.00	51.05 0.69 0.00	53.70 0.74 0.00	54.62 0.68 0.00	54.68 0.83 0.00	72.60 1.13 0.00	83.56 1.21 0.00	93.10 1.08 0.00	58.64 1.08 0.00	55.79 1.08 0.00	54.11 1.13 0.00	51.56 1.13 0.00	49.14 1.12 0.00	48.10 1.04 0.00
BOC_GAS_DRP 24189	46.01 0.70 0.00	49.41 0.74 0.00	44.69 0.80 0.00	46.24 0.78 0.00	46.76 0.72 0.00	47.97 0.72 0.00	63.33 0.65 0.00	78.58 0.85 0.00	87.13 1.05 0.00	117.05 1.31 0.00	60.38 0.67 0.00	51.00 0.64 0.00	53.60 0.63 0.00	54.53 0.59 0.00	54.52 0.67 0.00	72.30 0.83 0.00	83.15 0.80 0.00	92.70 0.68 0.00	58.34 0.78 0.00	55.48 0.76 0.00	53.82 0.84 0.00	51.27 0.84 0.00	48.82 0.80 0.00	47.79 0.73 0.00
BOONVILLE_115KV_TB1 79983	46.35 1.04 0.00	49.44 0.77 0.00	44.42 0.53 0.00	45.91 0.46 0.00	46.60 0.57 0.00	48.05 0.80 0.00	63.93 1.25 0.00	79.05 1.33 0.00	87.67 1.60 0.00	118.56 2.82 0.00	61.15 1.43 0.00	51.54 1.18 0.00	53.68 0.71 0.00	54.38 0.44 0.00	54.52 0.66 0.00	72.52 1.05 0.00	83.81 1.46 0.00	93.67 1.65 0.00	58.22 0.66 0.00	55.15 0.43 0.00	53.41 0.43 0.00	50.99 0.56 0.00	48.28 0.26 0.00	47.47 0.42 0.00
BORALEX_4TH_BRANCH 23824	46.97 1.65 0.00	50.77 2.10 0.00	45.82 1.93 0.00	47.49 2.03 0.00	48.04 2.01 0.00	49.30 2.06 0.00	64.25 1.57 0.00	80.02 2.29 0.00	89.42 3.34 0.00	120.12 4.37 0.00	61.70 1.99 0.00	51.81 1.45 0.00	54.36 1.39 0.00	55.27 1.33 0.00	55.49 1.63 0.00	73.67 2.19 0.00	84.79 2.45 0.00	94.15 2.13 0.00	59.79 2.23 0.00	56.99 2.27 0.00	55.33 2.35 0.00	52.60 2.17 0.00	50.03 2.01 0.00	48.66 1.61 0.00
BOWLINE___1 23526	47.24 1.93 0.00	50.55 1.87 0.00	45.45 1.56 0.00	46.99 1.53 0.00	47.57 1.54 0.00	49.03 1.78 0.00	65.36 2.69 0.00	80.90 3.17 0.00	89.82 3.75 0.00	119.71 3.97 0.00	62.01 2.29 0.00	52.48 2.11 0.00	55.10 2.13 0.00	56.13 2.19 0.00	55.91 2.06 0.00	74.12 2.65 0.00	85.24 2.89 0.00	95.74 3.72 0.00	59.97 2.41 0.00	56.89 2.17 0.00	55.13 2.16 0.00	52.54 2.11 0.00	49.80 1.79 0.00	49.06 2.00 0.00
BOWLINE___2 23595	47.24 1.93 0.00	50.53 1.86 0.00	45.44 1.55 0.00	46.99 1.53 0.00	47.56 1.53 0.00	49.01 1.76 0.00	65.36 2.69 0.00	80.90 3.17 0.00	89.82 3.75 0.00	119.71 3.97 0.00	62.01 2.29 0.00	52.48 2.11 0.00	55.10 2.13 0.00	56.13 2.19 0.00	55.91 2.06 0.00	74.12 2.65 0.00	85.24 2.89 0.00	95.74 3.72 0.00	59.97 2.41 0.00	56.89 2.17 0.00	55.13 2.16 0.00	52.54 2.11 0.00	49.80 1.79 0.00	49.06 2.00 0.00
BRADY___115KV_TB2 356060	46.74 1.42 0.00	50.20 1.53 0.00	45.19 1.30 0.00	46.87 1.41 0.00	47.54 1.51 0.00	48.87 1.62 0.00	65.13 2.45 0.00	80.82 3.09 0.00	88.79 2.71 0.00	118.87 3.12 0.00	61.49 1.78 0.00	52.15 1.79 0.00	54.84 1.87 0.00	55.80 1.86 0.00	55.72 1.87 0.00	73.92 2.45 0.00	85.30 2.95 0.00	95.36 3.34 0.00	59.33 1.77 0.00	56.48 1.77 0.00	54.80 1.82 0.00	52.26 1.84 0.00	49.87 1.85 0.00	48.97 1.91 0.00
BRANSCOMB___SOLAR 323811	47.12 1.81 0.00	50.70 2.03 0.00	45.73 1.83 0.00	47.39 1.93 0.00	47.95 1.92 0.00	49.32 2.07 0.00	65.03 2.35 0.00	80.87 3.14 0.00	89.88 3.81 0.00	120.58 4.83 0.00	61.98 2.26 0.00	52.07 1.71 0.00	54.74 1.78 0.00	55.73 1.79 0.00	55.79 1.93 0.00	74.10 2.62 0.00	85.43 3.08 0.00	95.10 3.08 0.00	60.05 2.49 0.00	57.06 2.34 0.00	55.37 2.39 0.00	52.58 2.15 0.00	50.01 2.00 0.00	48.71 1.66 0.00
BRDGHMPT_69_KV_BK1 55812	60.70 1.99 -13.40	50.54 1.86 0.00	45.52 1.63 0.00	46.98 1.53 0.00	47.64 1.61 0.00	49.37 2.12 0.00	66.79 3.38 -0.74	92.87 3.57 -11.58	90.10 4.02 0.00	128.75 7.58 -5.42	74.60 4.75 -10.15	56.87 4.47 -2.03	65.75 4.78 -8.00	147.65 4.94 -88.77	67.29 3.09 -10.34	87.41 3.11 -12.83	122.43 3.89 -36.19	164.33 5.26 -67.05	108.15 3.24 -47.36	92.51 2.88 -34.91	62.67 2.63 -7.05	55.58 2.61 -2.54	50.44 2.42 0.00	49.41 2.36 0.00

BRENTWOD_69_KV_W. BRTWOOD 56703	61.21 2.79 -13.11	51.36 2.68 0.00	46.29 2.39 0.00	47.72 2.27 0.00	48.37 2.34 0.00	50.02 2.78 0.00	67.37 4.05 -0.64	92.01 4.22 -10.06	91.00 4.93 0.00	127.52 7.06 -4.72	74.11 4.00 -10.39	55.85 3.50 -1.99	63.49 3.56 -6.96	146.09 3.95 -88.20	66.10 2.95 -9.30	86.84 4.02 -11.35	121.49 4.61 -34.53	163.11 5.80 -65.29	107.78 3.80 -46.42	92.35 3.56 -34.07	62.63 3.52 -6.13	55.99 3.36 -2.21	51.02 3.00 0.00	50.21 3.15 0.00
BRISTLHL_115KV_TB1 79998	47.10 -1.54 -3.33	51.19 -1.72 -4.24	45.30 -1.52 -2.92	47.16 -1.64 -3.34	47.93 -1.61 -3.51	45.91 -1.70 -0.36	60.52 -2.16 0.00	75.07 -2.66 0.00	83.14 -2.94 0.00	111.86 -3.89 0.00	57.66 -2.05 0.00	48.68 -1.69 0.00	51.11 -1.86 0.00	52.05 -1.89 0.00	51.97 -1.88 0.00	68.99 -2.48 0.00	79.55 -2.79 0.00	88.80 -3.22 0.00	55.55 -2.01 0.00	52.74 -1.97 0.00	50.98 -2.00 0.00	48.51 -1.92 0.00	46.11 -1.91 0.00	45.18 -1.88 0.00
BROOKHAVEN___DRP 24191	60.99 2.22 -13.46	50.83 2.15 0.00	45.78 1.89 0.00	47.22 1.77 0.00	47.88 1.85 0.00	49.52 2.28 0.00	66.87 3.44 -0.75	93.03 3.54 -11.76	89.84 3.77 0.00	126.70 5.45 -5.51	73.26 3.40 -10.14	55.47 3.07 -2.04	64.31 3.22 -8.13	146.42 3.44 -89.04	66.79 2.47 -10.47	87.66 3.18 -13.01	122.45 3.65 -36.45	164.29 4.88 -67.39	108.31 3.19 -47.56	92.68 2.87 -35.08	62.89 2.75 -7.16	55.78 2.77 -2.58	50.49 2.47 0.00	49.64 2.58 0.00
BROOKLYN_NAVY_YARD 23515	47.66 2.35 0.00	50.93 2.26 0.00	45.80 1.91 0.00	47.34 1.89 0.00	47.91 1.88 0.00	49.44 2.19 0.00	65.92 3.24 0.00	81.36 3.63 0.00	90.00 3.93 0.00	120.94 5.20 0.00	62.73 3.02 0.00	53.15 2.78 0.00	55.84 2.87 0.00	56.90 2.96 0.00	56.68 2.83 0.00	75.04 3.56 0.00	86.12 3.77 0.00	96.71 4.69 0.00	60.58 3.02 0.00	57.50 2.78 0.00	55.72 2.74 0.00	53.12 2.70 0.00	50.29 2.27 0.00	49.28 2.22 0.00
BROOKLYN___ARMY_DRP 323595	47.91 2.60 0.00	51.21 2.54 0.00	46.06 2.17 0.00	47.59 2.13 0.00	48.19 2.16 0.00	49.69 2.45 0.00	66.15 3.47 0.00	81.70 3.98 0.00	90.31 4.24 0.00	121.20 5.45 0.00	63.05 3.34 0.00	53.47 3.11 0.00	56.10 3.13 0.00	57.11 3.17 0.00	56.94 3.09 0.00	75.16 3.68 0.00	86.16 3.81 0.00	96.88 4.87 0.00	60.73 3.17 0.00	57.70 2.98 0.00	55.96 2.97 0.00	53.43 3.00 0.00	50.59 2.57 0.00	49.56 2.50 0.00
BROOME_2_LFGE 323671	42.51 -0.28 2.52	48.28 -0.39 0.00	43.58 -0.31 0.00	45.08 -0.37 0.00	43.96 -0.40 1.67	46.89 -0.35 0.00	62.39 -0.28 0.00	76.82 -0.52 0.39	85.40 -0.67 0.00	114.83 -0.91 0.00	55.75 -0.54 3.42	44.25 -0.39 5.72	47.40 -0.47 5.10	51.39 -0.34 2.20	51.47 -0.42 1.96	70.80 -0.50 0.17	81.35 -0.56 0.44	90.00 -0.84 1.18	56.76 -0.48 0.32	54.17 -0.55 0.00	51.96 -0.60 0.42	48.23 -0.61 1.59	47.35 -0.67 0.00	46.45 -0.61 0.00
BROOME___LFGE 323600	42.51 -0.28 2.52	48.28 -0.39 0.00	43.58 -0.31 0.00	45.08 -0.37 0.00	43.96 -0.40 1.67	46.89 -0.35 0.00	62.39 -0.28 0.00	76.82 -0.52 0.39	85.40 -0.67 0.00	114.83 -0.91 0.00	55.75 -0.54 3.42	44.25 -0.39 5.72	47.40 -0.47 5.10	51.39 -0.34 2.20	51.47 -0.42 1.96	70.80 -0.50 0.17	81.35 -0.56 0.44	90.00 -0.84 1.18	56.76 -0.48 0.32	54.17 -0.55 0.00	51.96 -0.60 0.42	48.23 -0.61 1.59	47.35 -0.67 0.00	46.45 -0.61 0.00
BROWNFLS_115KV_TB_3_5 80003	46.48 0.65 -0.51	49.66 0.34 -0.65	44.40 0.06 -0.45	46.00 0.03 -0.52	46.71 0.13 -0.54	47.55 0.25 -0.06	63.29 0.61 0.00	78.52 0.79 0.00	87.20 1.13 0.00	118.01 2.27 0.00	60.95 1.23 0.00	51.20 0.83 0.00	53.35 0.38 0.00	54.02 0.08 0.00	53.88 0.03 0.00	71.31 -0.16 0.00	82.22 -0.12 0.00	91.77 -0.25 0.00	56.79 -0.77 0.00	53.95 -0.77 0.00	52.56 -0.42 0.00	50.53 0.10 0.00	47.92 -0.10 0.00	47.24 0.18 0.00
BROWNSV1_27_KV_LOAD 356125	48.13 2.81 0.00	51.40 2.73 0.00	46.24 2.35 0.00	47.76 2.31 0.00	48.37 2.34 0.00	49.93 2.68 0.00	66.61 3.93 0.00	82.22 4.50 0.00	90.94 4.87 0.00	122.21 6.47 0.00	63.38 3.67 0.00	53.70 3.34 0.00	56.40 3.43 0.00	57.48 3.54 0.00	57.24 3.39 0.00	75.81 4.33 0.00	86.98 4.63 0.00	97.67 5.65 0.00	61.20 3.64 0.00	58.08 3.36 0.00	56.30 3.31 0.00	53.65 3.23 0.00	50.80 2.78 0.00	49.79 2.73 0.00
BURROWS___LYONSDAL 23803	46.61 0.95 -0.35	49.67 0.55 -0.45	44.47 0.27 -0.31	45.97 0.17 -0.35	46.69 0.28 -0.37	47.82 0.54 -0.04	63.60 0.92 0.00	78.66 0.93 0.00	87.35 1.27 0.00	118.25 2.51 0.00	61.01 1.30 0.00	51.39 1.03 0.00	53.42 0.45 0.00	54.03 0.09 0.00	54.10 0.24 0.00	72.00 0.52 0.00	83.29 0.95 0.00	93.12 1.10 0.00	57.71 0.15 0.00	54.64 -0.08 0.00	52.95 -0.03 0.00	50.66 0.23 0.00	47.90 -0.12 0.00	47.18 0.13 0.00
CAITHNESS_CC_1 323624	60.98 2.15 -13.52	50.76 2.08 0.00	45.71 1.82 0.00	47.17 1.72 0.00	47.81 1.78 0.00	49.42 2.17 0.00	66.72 3.28 -0.76	92.99 3.35 -11.91	89.74 3.66 0.00	126.52 5.19 -5.58	73.13 3.28 -10.15	55.33 2.91 -2.05	64.21 3.00 -8.24	146.48 3.26 -89.28	66.76 2.33 -10.59	87.63 2.99 -13.16	122.44 3.42 -36.67	164.30 4.59 -67.69	108.31 3.00 -47.75	92.67 2.72 -35.23	62.84 2.61 -7.26	55.71 2.67 -2.62	50.39 2.37 0.00	49.55 2.49 0.00
CALPINE BETH_PAGE_GT4 24209	59.07 2.33 -11.43	50.90 2.23 0.00	45.88 1.99 0.00	47.34 1.89 0.00	47.97 1.94 0.00	49.53 2.29 0.00	66.02 3.34 0.00	81.28 3.56 0.00	90.24 4.16 0.00	121.36 5.60 -0.01	75.37 3.31 -12.34	55.03 2.93 -1.74	55.88 2.91 -0.01	143.63 3.29 -86.40	58.82 2.53 -2.43	76.52 3.47 -1.57	110.25 3.85 -24.05	151.78 4.87 -54.89	101.97 3.23 -41.19	86.90 3.03 -29.16	55.92 2.94 0.00	53.31 2.88 0.00	50.55 2.53 0.00	49.66 2.60 0.00
CALPINE_BETH_PAGE_GT_4 323586	59.10 2.35 -11.43	50.92 2.24 0.00	45.88 1.99 0.00	47.36 1.90 0.00	47.99 1.95 0.00	49.53 2.29 0.00	66.01 3.34 0.00	81.29 3.56 0.00	90.24 4.17 0.00	121.35 5.59 -0.01	75.40 3.35 -12.34	55.04 2.94 -1.74	55.90 2.93 -0.01	143.64 3.31 -86.40	58.82 2.54 -2.43	76.52 3.46 -1.57	110.25 3.85 -24.05	151.78 4.87 -54.89	101.97 3.22 -41.19	86.90 3.02 -29.16	55.92 2.93 0.00	53.30 2.88 0.00	50.55 2.53 0.00	49.66 2.60 0.00
CALPINE_BP_GT1 23823	59.10 2.35 -11.43	50.92 2.24 0.00	45.88 1.99 0.00	47.36 1.90 0.00	47.99 1.95 0.00	49.53 2.29 0.00	66.01 3.34 0.00	81.29 3.56 0.00	90.24 4.17 0.00	121.35 5.59 -0.01	75.40 3.35 -12.34	55.04 2.94 -1.74	55.90 2.93 -0.01	143.64 3.31 -86.40	58.82 2.54 -2.43	76.52 3.46 -1.57	110.25 3.85 -24.05	151.78 4.87 -54.89	101.97 3.22 -41.19	86.90 3.02 -29.16	55.92 2.93 0.00	53.30 2.88 0.00	50.55 2.53 0.00	49.66 2.60 0.00
CALSPAN___DRP 24200	35.67 -2.93 6.71	45.20 -3.47 0.00	40.80 -3.09 0.00	41.98 -3.47 0.00	38.31 -3.27 4.45	43.60 -3.64 0.00	58.17 -4.51 0.00	70.73 -5.97 1.03	79.10 -6.97 0.00	106.56 -9.18 0.00	46.91 -4.78 8.02	31.65 -3.88 14.84	26.10 -4.20 22.67	34.35 -4.03 15.56	35.99 -4.18 13.68	64.59 -5.72 1.16	73.23 -6.05 3.06	77.83 -7.22 6.96	51.85 -4.73 0.98	49.79 -4.93 0.00	45.53 -5.06 2.39	40.92 -4.87 4.63	43.56 -4.46 0.00	43.18 -3.87 0.00

CALVERTON___SOLAR 323806	61.06 2.31 -13.44	50.89 2.22 0.00	45.83 1.94 0.00	47.30 1.85 0.00	47.94 1.91 0.00	49.59 2.35 0.00	66.99 3.57 -0.74	93.12 3.71 -11.69	89.96 3.88 0.00	126.97 5.75 -5.48	73.47 3.61 -10.15	55.64 3.24 -2.04	64.53 3.47 -8.08	146.56 3.68 -88.94	66.90 2.63 -10.42	87.73 3.31 -12.94	122.57 3.87 -36.36	164.43 5.14 -67.27	108.39 3.34 -47.49	92.74 3.00 -35.02	62.95 2.85 -7.12	55.87 2.87 -2.57	50.58 2.56 0.00	49.70 2.65 0.00
CANDIGU_WT_PWR 323617	27.85 -3.56 13.91	44.80 -3.88 0.00	40.26 -3.63 0.00	41.55 -3.90 0.00	32.85 -3.96 9.23	43.11 -4.13 0.00	57.31 -5.36 0.00	68.31 -7.28 2.13	78.24 -7.83 0.00	104.72 -11.02 0.00	33.89 -6.36 19.46	12.51 -5.36 32.49	1.13 -5.79 46.05	17.33 -5.36 31.25	20.98 -5.42 27.46	62.03 -7.11 2.33	68.47 -7.73 6.15	69.26 -8.73 14.03	50.23 -5.29 2.04	49.30 -5.42 0.00	41.55 -5.91 5.52	35.03 -5.61 9.78	43.06 -4.96 0.00	42.50 -4.56 0.00
CARR STREET_E_SYR 24060	44.26 -1.05 0.00	47.46 -1.21 0.00	42.82 -1.07 0.00	44.30 -1.16 0.00	44.88 -1.15 0.00	46.04 -1.20 0.00	61.21 -1.47 0.00	75.93 -1.79 0.00	84.08 -2.00 0.00	113.10 -2.64 0.00	58.30 -1.41 0.00	49.24 -1.12 0.00	51.70 -1.26 0.00	52.70 -1.24 0.00	52.57 -1.28 0.00	69.98 -1.49 0.00	80.70 -1.65 0.00	89.94 -2.08 0.00	56.19 -1.37 0.00	53.31 -1.41 0.00	51.53 -1.45 0.00	49.00 -1.42 0.00	46.59 -1.43 0.00	45.65 -1.41 0.00
CARTHAGE___PAPER 23857	47.47 1.04 -1.12	50.61 0.52 -1.42	44.99 0.11 -0.98	46.51 -0.06 -1.12	47.34 0.13 -1.18	47.83 0.47 -0.12	63.65 0.97 0.00	78.98 1.25 0.00	87.93 1.85 0.00	119.07 3.33 0.00	61.42 1.71 0.00	51.69 1.33 0.00	53.40 0.43 0.00	53.90 -0.04 0.00	53.63 -0.22 0.00	71.54 0.07 0.00	82.85 0.50 0.00	92.52 0.51 0.00	57.09 -0.47 0.00	53.99 -0.73 0.00	52.38 -0.60 0.00	50.18 -0.25 0.00	47.33 -0.69 0.00	46.78 -0.28 0.00
CASSADAGA_WT_PWR 323784	35.63 -2.68 7.01	45.54 -3.14 0.00	40.93 -2.96 0.00	42.31 -3.14 0.00	38.23 -3.16 4.65	44.06 -3.19 0.00	59.08 -3.60 0.00	71.77 -4.89 1.07	80.03 -6.04 0.00	107.81 -7.93 0.00	46.68 -4.50 8.53	31.35 -3.43 15.58	25.42 -3.81 23.74	34.12 -3.50 16.33	35.64 -3.86 14.36	65.09 -5.17 1.22	74.05 -5.08 3.22	77.05 -7.68 7.29	51.77 -4.76 1.02	49.47 -5.24 0.00	44.89 -5.65 2.45	40.18 -5.42 4.82	43.36 -4.66 0.00	42.81 -4.25 0.00
CE_DUNWOOD___DRP 24194	47.45 2.14 0.00	50.74 2.07 0.00	45.66 1.77 0.00	47.18 1.73 0.00	47.77 1.74 0.00	49.26 2.02 0.00	65.67 2.99 0.00	81.06 3.33 0.00	89.62 3.54 0.00	120.40 4.66 0.00	62.37 2.65 0.00	52.81 2.45 0.00	55.45 2.48 0.00	56.53 2.59 0.00	56.27 2.42 0.00	74.59 3.11 0.00	85.69 3.35 0.00	96.21 4.19 0.00	60.28 2.72 0.00	57.22 2.51 0.00	55.45 2.47 0.00	52.84 2.41 0.00	50.08 2.06 0.00	49.10 2.04 0.00
CE_MILLWOOD___DRP 24193	47.37 2.06 0.00	50.67 2.00 0.00	45.60 1.71 0.00	47.12 1.67 0.00	47.71 1.68 0.00	49.19 1.95 0.00	65.57 2.90 0.00	80.95 3.22 0.00	89.50 3.43 0.00	120.23 4.49 0.00	62.25 2.54 0.00	52.72 2.36 0.00	55.35 2.38 0.00	56.42 2.49 0.00	56.18 2.33 0.00	74.47 3.00 0.00	85.57 3.22 0.00	96.07 4.05 0.00	60.20 2.64 0.00	57.12 2.40 0.00	55.37 2.39 0.00	52.77 2.35 0.00	50.00 1.99 0.00	49.04 1.98 0.00
CE_NYC2_DRP 24202	47.81 2.50 0.00	51.09 2.42 0.00	45.98 2.08 0.00	47.50 2.04 0.00	48.10 2.07 0.00	49.61 2.36 0.00	66.03 3.35 0.00	81.50 3.78 0.00	90.16 4.08 0.00	121.09 5.35 0.00	62.91 3.20 0.00	53.35 2.99 0.00	56.01 3.04 0.00	57.08 3.14 0.00	56.89 3.04 0.00	75.14 3.67 0.00	86.17 3.82 0.00	96.81 4.79 0.00	60.67 3.11 0.00	57.62 2.90 0.00	55.85 2.87 0.00	53.30 2.87 0.00	50.48 2.46 0.00	49.48 2.43 0.00
CE_NYC_DRP 24195	47.77 2.46 0.00	51.03 2.35 0.00	45.92 2.03 0.00	47.44 1.99 0.00	48.03 2.00 0.00	49.57 2.33 0.00	66.10 3.42 0.00	81.58 3.85 0.00	90.24 4.17 0.00	121.27 5.52 0.00	62.87 3.16 0.00	53.30 2.93 0.00	55.98 3.01 0.00	57.05 3.11 0.00	56.82 2.97 0.00	75.23 3.75 0.00	86.31 3.96 0.00	96.91 4.90 0.00	60.71 3.15 0.00	57.61 2.89 0.00	55.84 2.86 0.00	53.23 2.81 0.00	50.41 2.39 0.00	49.43 2.38 0.00
CHAFFEE___LFGE 323603	35.61 -2.74 6.96	45.48 -3.19 0.00	41.00 -2.89 0.00	42.36 -3.09 0.00	38.36 -3.05 4.62	43.87 -3.37 0.00	58.53 -4.15 0.00	70.63 -6.03 1.07	79.04 -7.03 0.00	106.51 -9.24 0.00	46.38 -4.92 8.41	30.99 -3.93 15.44	25.09 -4.32 23.56	33.94 -3.81 16.19	35.75 -3.87 14.23	65.00 -5.27 1.21	73.57 -5.59 3.19	78.11 -6.67 7.24	52.19 -4.35 1.02	50.17 -4.55 0.00	45.84 -4.69 2.45	41.09 -4.54 4.80	43.83 -4.19 0.00	43.42 -3.64 0.00
CHATEAUG_35_KV_LOAD 355732	45.67 0.36 0.00	49.15 0.47 0.00	44.28 0.39 0.00	46.01 0.56 0.00	46.67 0.64 0.00	47.91 0.67 0.00	63.64 0.96 0.00	78.96 1.24 0.00	87.26 1.18 0.00	117.30 1.56 0.00	60.54 0.83 0.00	50.94 0.58 0.00	53.68 0.71 0.00	54.66 0.72 0.00	54.56 0.71 0.00	72.31 0.84 0.00	83.71 1.37 0.00	93.92 1.91 0.00	58.41 0.85 0.00	55.45 0.73 0.00	53.73 0.75 0.00	51.28 0.85 0.00	48.95 0.93 0.00	48.04 0.98 0.00
CHATEAUG_WT_PWR 323614	45.50 0.18 0.00	48.94 0.26 0.00	44.12 0.23 0.00	45.80 0.34 0.00	46.50 0.47 0.00	47.72 0.48 0.00	63.34 0.66 0.00	78.57 0.84 0.00	86.85 0.77 0.00	116.76 1.02 0.00	60.34 0.63 0.00	50.82 0.46 0.00	53.52 0.56 0.00	54.51 0.57 0.00	54.39 0.54 0.00	72.01 0.53 0.00	83.31 0.96 0.00	93.40 1.38 0.00	58.09 0.53 0.00	55.14 0.42 0.00	53.45 0.47 0.00	51.06 0.63 0.00	48.75 0.74 0.00	47.83 0.78 0.00
CHAT_HIGH_FALL_HYD 323578	45.67 0.36 0.00	49.15 0.47 0.00	44.28 0.39 0.00	46.01 0.56 0.00	46.67 0.64 0.00	47.91 0.67 0.00	63.64 0.96 0.00	78.96 1.24 0.00	87.26 1.18 0.00	117.30 1.56 0.00	60.54 0.83 0.00	50.94 0.58 0.00	53.68 0.71 0.00	54.66 0.72 0.00	54.56 0.71 0.00	72.31 0.84 0.00	83.71 1.37 0.00	93.92 1.91 0.00	58.41 0.85 0.00	55.45 0.73 0.00	53.73 0.75 0.00	51.28 0.85 0.00	48.95 0.93 0.00	48.04 0.98 0.00
CHAUTAUQUA___LFGE 323629	35.41 -3.07 6.83	45.15 -3.52 0.00	40.62 -3.27 0.00	41.99 -3.46 0.00	38.00 -3.50 4.53	43.65 -3.59 0.00	58.40 -4.27 0.00	70.90 -5.78 1.05	78.99 -7.09 0.00	106.26 -9.49 0.00	46.36 -5.08 8.28	31.11 -4.09 15.16	25.39 -4.46 23.12	33.96 -4.09 15.89	35.62 -4.26 13.98	64.71 -5.58 1.19	73.47 -5.75 3.13	77.18 -7.73 7.10	51.64 -4.92 1.00	49.60 -5.12 0.00	45.20 -5.38 2.40	40.49 -5.23 4.70	43.39 -4.63 0.00	42.95 -4.11 0.00
CHERRYST_13_KV_LD 356241	47.88 2.57 0.00	51.14 2.47 0.00	46.02 2.12 0.00	47.53 2.08 0.00	48.14 2.10 0.00	49.68 2.44 0.00	66.28 3.60 0.00	81.81 4.08 0.00	90.50 4.42 0.00	121.65 5.90 0.00	63.08 3.37 0.00	53.46 3.10 0.00	56.15 3.19 0.00	57.24 3.30 0.00	57.00 3.15 0.00	75.47 3.99 0.00	86.59 4.25 0.00	97.21 5.20 0.00	60.88 3.32 0.00	57.77 3.05 0.00	55.99 3.01 0.00	53.36 2.93 0.00	50.53 2.51 0.00	49.56 2.50 0.00

CHESTROR_138KV_BK263 355645	47.10 1.79 0.00	50.41 1.74 0.00	45.39 1.49 0.00	46.91 1.46 0.00	47.50 1.47 0.00	48.93 1.69 0.00	65.16 2.48 0.00	80.49 2.76 0.00	88.75 2.67 0.00	119.59 3.85 0.00	61.85 2.14 0.00	52.32 1.96 0.00	54.93 1.97 0.00	55.96 2.02 0.00	55.76 1.91 0.00	73.98 2.51 0.00	85.10 2.75 0.00	95.48 3.46 0.00	59.81 2.25 0.00	56.76 2.05 0.00	54.99 2.01 0.00	52.41 1.99 0.00	49.69 1.67 0.00	48.64 1.58 0.00
CH_MIDHUDSON___DRP 24192	47.33 2.02 0.00	50.65 1.98 0.00	45.64 1.75 0.00	47.16 1.71 0.00	47.75 1.72 0.00	49.19 1.95 0.00	65.51 2.84 0.00	80.97 3.25 0.00	89.59 3.52 0.00	120.40 4.66 0.00	62.26 2.55 0.00	52.66 2.30 0.00	55.23 2.27 0.00	56.26 2.31 0.00	56.05 2.20 0.00	74.32 2.85 0.00	85.46 3.11 0.00	95.78 3.76 0.00	60.08 2.52 0.00	57.03 2.31 0.00	55.31 2.33 0.00	52.77 2.35 0.00	50.01 2.00 0.00	49.00 1.94 0.00
CH_MISC_IPPS 23765	47.62 2.31 0.00	50.96 2.29 0.00	45.89 2.00 0.00	47.44 1.99 0.00	48.03 2.00 0.00	49.50 2.26 0.00	65.97 3.29 0.00	81.56 3.83 0.00	90.13 4.05 0.00	121.19 5.45 0.00	62.64 2.93 0.00	52.89 2.53 0.00	55.38 2.41 0.00	56.26 2.33 0.00	56.04 2.18 0.00	74.33 2.85 0.00	85.51 3.16 0.00	95.94 3.92 0.00	60.12 2.56 0.00	57.06 2.35 0.00	55.44 2.46 0.00	53.06 2.64 0.00	50.32 2.30 0.00	49.26 2.20 0.00
CH_RES_BVR_FALLS 23983	45.15 -0.16 0.00	48.27 -0.40 0.00	43.50 -0.39 0.00	45.08 -0.37 0.00	45.72 -0.31 0.00	47.05 -0.19 0.00	62.24 -0.43 0.00	77.12 -0.61 0.00	85.46 -0.62 0.00	115.18 -0.57 0.00	59.39 -0.33 0.00	50.02 -0.34 0.00	52.60 -0.37 0.00	53.48 -0.46 0.00	53.39 -0.46 0.00	70.87 -0.60 0.00	81.74 -0.61 0.00	91.92 -0.09 0.00	57.26 -0.30 0.00	54.07 -0.65 0.00	52.24 -0.74 0.00	49.80 -0.63 0.00	47.63 -0.39 0.00	46.83 -0.23 0.00
CH_RES_NIAGARA 23895	35.70 -3.92 5.70	44.06 -4.61 0.00	39.85 -4.05 0.00	41.00 -4.46 0.00	38.06 -4.20 3.78	42.43 -4.81 0.00	56.31 -6.37 0.00	68.52 -8.34 0.87	76.47 -9.61 0.00	103.05 -12.69 0.00	46.23 -6.64 6.84	32.32 -5.42 12.62	27.93 -5.78 19.26	35.03 -5.68 13.24	36.42 -5.79 11.64	62.43 -8.06 0.99	70.90 -8.84 2.61	75.69 -10.41 5.92	50.05 -6.68 0.83	48.10 -6.62 0.00	44.22 -6.72 2.04	40.30 -6.19 3.93	42.41 -5.61 0.00	42.18 -4.88 0.00
CH_RES_SYRACUSE 23985	47.17 -0.66 -2.52	49.63 -0.78 -1.74	44.39 -0.71 -1.21	46.05 -0.78 -1.38	47.47 -0.76 -2.20	46.60 -0.79 -0.15	61.77 -0.91 0.00	76.76 -1.15 -0.18	84.78 -1.29 0.00	114.03 -1.72 0.00	60.26 -0.96 -1.51	52.18 -0.76 -2.58	53.52 -0.86 -1.41	53.12 -0.82 0.00	52.99 -0.86 0.00	70.40 -1.07 0.00	81.17 -1.17 0.00	90.78 -1.43 -0.19	56.85 -0.90 -0.19	53.76 -0.96 0.00	51.96 -1.03 0.00	50.06 -1.02 -0.66	47.00 -1.02 0.00	46.03 -1.02 0.00
CLINTON_WT_PWR 323605	45.50 0.18 0.00	48.94 0.26 0.00	44.12 0.23 0.00	45.80 0.34 0.00	46.50 0.47 0.00	47.72 0.48 0.00	63.34 0.66 0.00	78.57 0.84 0.00	86.85 0.77 0.00	116.76 1.02 0.00	60.34 0.63 0.00	50.82 0.46 0.00	53.52 0.56 0.00	54.51 0.57 0.00	54.39 0.54 0.00	72.01 0.53 0.00	83.31 0.96 0.00	93.40 1.38 0.00	58.09 0.53 0.00	55.14 0.42 0.00	53.45 0.47 0.00	51.06 0.63 0.00	48.75 0.74 0.00	47.83 0.78 0.00
CLINTON___LFGE 323618	45.91 0.60 0.00	49.34 0.66 0.00	44.50 0.61 0.00	46.21 0.76 0.00	46.94 0.91 0.00	48.19 0.94 0.00	63.92 1.24 0.00	79.34 1.61 0.00	87.54 1.46 0.00	117.83 2.09 0.00	60.88 1.17 0.00	51.30 0.94 0.00	54.02 1.06 0.00	55.06 1.12 0.00	54.91 1.07 0.00	72.58 1.10 0.00	84.18 1.83 0.00	94.50 2.49 0.00	58.76 1.20 0.00	55.77 1.05 0.00	54.09 1.11 0.00	51.76 1.33 0.00	49.39 1.37 0.00	48.46 1.40 0.00
COBBLENY_34_KV_TB1 80064	35.61 -2.74 6.96	45.41 -3.26 0.00	40.98 -2.91 0.00	42.18 -3.27 0.00	38.36 -3.05 4.62	43.87 -3.37 0.00	58.52 -4.16 0.00	70.65 -6.01 1.07	79.09 -6.98 0.00	106.52 -9.22 0.00	46.51 -4.79 8.41	31.04 -3.88 15.44	25.20 -4.21 23.56	34.03 -3.73 16.19	35.80 -3.82 14.23	65.01 -5.26 1.21	73.60 -5.56 3.19	78.20 -6.58 7.24	52.20 -4.34 1.02	50.18 -4.54 0.00	45.86 -4.67 2.45	41.11 -4.52 4.80	43.83 -4.19 0.00	43.42 -3.64 0.00
COFFEEN___115KV_TB3 355620	47.50 0.80 -1.39	50.69 0.25 -1.76	45.01 -0.10 -1.22	46.54 -0.31 -1.39	47.38 -0.11 -1.46	47.65 0.26 -0.15	63.46 0.78 0.00	78.83 1.10 0.00	87.73 1.66 0.00	118.76 3.02 0.00	61.25 1.53 0.00	51.60 1.24 0.00	53.19 0.22 0.00	53.70 -0.24 0.00	53.34 -0.52 0.00	71.34 -0.14 0.00	82.63 0.28 0.00	92.21 0.19 0.00	56.96 -0.60 0.00	53.82 -0.90 0.00	52.12 -0.86 0.00	49.74 -0.69 0.00	46.84 -1.18 0.00	46.30 -0.76 0.00
COLDSPRG_115KV_BK1 355956	36.22 -1.80 7.29	46.42 -2.25 0.00	41.75 -2.14 0.00	43.04 -2.41 0.00	39.02 -2.18 4.83	45.05 -2.20 0.00	60.38 -2.30 0.00	73.40 -3.21 1.12	81.94 -4.13 0.00	110.53 -5.21 0.00	47.90 -2.88 8.94	32.00 -2.11 16.24	25.80 -2.44 24.72	34.73 -2.20 17.01	36.35 -2.54 14.96	66.75 -3.46 1.27	75.59 -3.40 3.35	79.62 -4.80 7.60	53.39 -3.10 1.07	51.24 -3.48 0.00	46.69 -3.77 2.52	41.75 -3.68 5.01	44.73 -3.29 0.00	44.23 -2.83 0.00
COLONIE_LFGE___ 323577	46.54 1.23 0.00	50.11 1.43 0.00	45.25 1.36 0.00	46.86 1.40 0.00	47.40 1.37 0.00	48.66 1.42 0.00	63.97 1.30 0.00	79.57 1.84 0.00	88.47 2.40 0.00	118.81 3.06 0.00	61.16 1.45 0.00	51.50 1.14 0.00	54.11 1.14 0.00	55.03 1.09 0.00	55.11 1.26 0.00	73.12 1.64 0.00	84.13 1.78 0.00	93.66 1.64 0.00	59.15 1.59 0.00	56.27 1.55 0.00	54.59 1.61 0.00	51.92 1.50 0.00	49.41 1.40 0.00	48.22 1.16 0.00
COOPERNY_115KV_TB1 80082	46.65 1.34 0.00	49.97 1.30 0.00	45.03 1.14 0.00	46.57 1.12 0.00	47.15 1.12 0.00	48.52 1.27 0.00	64.59 1.92 0.00	79.82 2.09 0.00	88.13 2.05 0.00	118.68 2.94 0.00	61.34 1.63 0.00	51.86 1.50 0.00	54.46 1.49 0.00	55.49 1.55 0.00	55.32 1.46 0.00	73.38 1.91 0.00	84.43 2.08 0.00	94.60 2.58 0.00	59.25 1.69 0.00	56.26 1.54 0.00	54.51 1.53 0.00	51.91 1.48 0.00	49.25 1.24 0.00	48.23 1.18 0.00
COPENHAGEN_WT_PWR 323753	47.20 0.43 -1.46	50.42 -0.11 -1.86	44.71 -0.47 -1.28	46.19 -0.73 -1.46	47.02 -0.55 -1.54	47.17 -0.22 -0.16	62.71 0.04 0.00	77.88 0.15 0.00	86.69 0.61 0.00	117.39 1.65 0.00	60.45 0.74 0.00	50.95 0.58 0.00	52.31 -0.66 0.00	52.63 -1.31 0.00	52.33 -1.53 0.00	70.18 -1.30 0.00	81.11 -1.24 0.00	90.32 -1.69 0.00	55.70 -1.86 0.00	52.62 -2.10 0.00	51.01 -1.98 0.00	48.74 -1.69 0.00	45.95 -2.07 0.00	45.56 -1.50 0.00
CORNELL_____ 23752	71.90 0.37 -26.22	48.91 0.24 0.00	44.12 0.23 0.00	45.61 0.15 0.00	63.64 0.22 -17.39	47.53 0.29 0.00	63.39 0.71 0.00	82.63 0.87 -4.03	87.07 0.99 0.00	117.02 1.27 0.00	93.51 0.48 -33.32	110.05 0.45 -59.24	130.52 0.38 -77.18	103.01 0.51 -48.56	96.90 0.45 -42.60	75.76 0.67 -3.61	92.78 0.89 -9.54	116.01 0.90 -23.09	62.58 0.54 -4.48	55.07 0.36 0.00	61.00 0.20 -7.82	68.11 0.09 -17.59	47.97 -0.05 0.00	46.99 -0.07 0.00

CORONA_69_KV_TB1 355595	63.93 2.46 -16.16	51.11 2.43 0.00	46.01 2.12 0.00	47.49 2.04 0.00	48.11 2.08 0.00	49.64 2.39 0.00	66.14 3.46 0.00	81.34 3.61 0.00	90.20 4.12 0.00	121.22 5.46 -0.02	80.32 3.16 -17.45	55.67 2.86 -2.46	55.82 2.85 -0.01	179.39 3.17 -122.28	59.84 2.55 -3.44	77.14 3.44 -2.23	120.13 3.77 -34.01	174.44 4.81 -77.61	119.04 3.25 -58.24	98.96 3.01 -41.23	55.97 2.97 -0.01	53.33 2.91 0.00	50.59 2.57 0.00	49.69 2.63 0.00
CORTLAND_115KV_TB3 80093	52.61 0.13 -7.17	48.70 0.03 0.00	43.97 0.07 0.00	45.47 0.01 0.00	50.83 0.04 -4.75	47.34 0.09 0.00	63.04 0.36 0.00	79.26 0.42 -1.11	86.55 0.48 0.00	116.37 0.63 0.00	69.09 0.23 -9.14	66.94 0.25 -16.32	74.66 0.20 -21.49	67.86 0.28 -13.63	65.94 0.20 -11.89	72.80 0.32 -1.01	85.45 0.44 -2.66	99.10 0.31 -6.77	59.33 0.19 -1.58	54.79 0.07 0.00	55.14 -0.01 -2.17	55.18 -0.06 -4.82	47.83 -0.19 0.00	46.86 -0.20 0.00
COXSACKIE___GT 23611	47.57 2.26 0.00	51.12 2.45 0.00	46.25 2.35 0.00	47.84 2.39 0.00	48.40 2.37 0.00	49.74 2.50 0.00	65.64 2.96 0.00	82.04 4.31 0.00	91.05 4.98 0.00	121.95 6.21 0.00	62.42 2.71 0.00	52.45 2.08 0.00	55.62 2.65 0.00	56.33 2.39 0.00	56.62 2.77 0.00	75.69 4.21 0.00	87.46 5.11 0.00	97.51 5.49 0.00	61.43 3.87 0.00	58.23 3.51 0.00	56.34 3.36 0.00	53.50 3.08 0.00	50.89 2.87 0.00	49.63 2.57 0.00
CPV_VALLEY___CC1 323721	46.92 1.61 0.00	50.23 1.56 0.00	45.23 1.34 0.00	46.77 1.32 0.00	47.34 1.31 0.00	48.75 1.50 0.00	64.93 2.26 0.00	80.19 2.47 0.00	88.48 2.41 0.00	119.14 3.40 0.00	61.65 1.93 0.00	52.13 1.77 0.00	54.75 1.78 0.00	55.77 1.83 0.00	55.58 1.73 0.00	73.72 2.25 0.00	84.79 2.44 0.00	95.09 3.08 0.00	59.57 2.01 0.00	56.55 1.84 0.00	54.79 1.81 0.00	52.21 1.78 0.00	49.52 1.50 0.00	48.49 1.43 0.00
CPV_VALLEY___CC2 323722	46.92 1.61 0.00	50.23 1.56 0.00	45.23 1.34 0.00	46.77 1.32 0.00	47.34 1.31 0.00	48.75 1.50 0.00	64.93 2.26 0.00	80.19 2.47 0.00	88.48 2.41 0.00	119.14 3.40 0.00	61.65 1.93 0.00	52.13 1.77 0.00	54.75 1.78 0.00	55.77 1.83 0.00	55.58 1.73 0.00	73.72 2.25 0.00	84.79 2.44 0.00	95.09 3.08 0.00	59.57 2.01 0.00	56.55 1.84 0.00	54.79 1.81 0.00	52.21 1.78 0.00	49.52 1.50 0.00	48.49 1.43 0.00
CRESCENT___HYD 24018	46.54 1.23 0.00	50.11 1.43 0.00	45.25 1.36 0.00	46.86 1.40 0.00	47.40 1.37 0.00	48.66 1.42 0.00	63.97 1.30 0.00	79.57 1.84 0.00	88.47 2.40 0.00	118.81 3.06 0.00	61.16 1.45 0.00	51.50 1.14 0.00	54.11 1.14 0.00	55.03 1.09 0.00	55.11 1.26 0.00	73.12 1.64 0.00	84.13 1.78 0.00	93.66 1.64 0.00	59.15 1.59 0.00	56.27 1.55 0.00	54.59 1.61 0.00	51.92 1.50 0.00	49.41 1.40 0.00	48.22 1.16 0.00
CRICKET___VALLEY_CC1 323756	46.73 1.41 0.00	50.03 1.36 0.00	45.08 1.19 0.00	46.60 1.15 0.00	47.14 1.11 0.00	48.56 1.31 0.00	64.61 1.93 0.00	79.84 2.11 0.00	88.33 2.26 0.00	118.67 2.93 0.00	61.45 1.74 0.00	51.99 1.63 0.00	54.60 1.63 0.00	55.63 1.69 0.00	55.42 1.57 0.00	73.45 1.98 0.00	84.37 2.02 0.00	94.58 2.56 0.00	59.31 1.75 0.00	56.32 1.60 0.00	54.63 1.65 0.00	52.07 1.64 0.00	49.37 1.35 0.00	48.38 1.32 0.00
CRICKET___VALLEY_CC2 323757	46.73 1.41 0.00	50.03 1.36 0.00	45.08 1.19 0.00	46.60 1.15 0.00	47.14 1.11 0.00	48.56 1.31 0.00	64.61 1.93 0.00	79.84 2.11 0.00	88.33 2.26 0.00	118.67 2.93 0.00	61.45 1.74 0.00	51.99 1.63 0.00	54.60 1.63 0.00	55.63 1.69 0.00	55.42 1.57 0.00	73.45 1.98 0.00	84.37 2.02 0.00	94.58 2.56 0.00	59.31 1.75 0.00	56.32 1.60 0.00	54.63 1.65 0.00	52.07 1.64 0.00	49.37 1.35 0.00	48.38 1.32 0.00
CRICKET___VALLEY_CC3 323758	46.73 1.41 0.00	50.03 1.36 0.00	45.08 1.19 0.00	46.60 1.15 0.00	47.14 1.11 0.00	48.56 1.31 0.00	64.61 1.93 0.00	79.84 2.11 0.00	88.33 2.26 0.00	118.67 2.93 0.00	61.45 1.74 0.00	51.99 1.63 0.00	54.60 1.63 0.00	55.63 1.69 0.00	55.42 1.57 0.00	73.45 1.98 0.00	84.37 2.02 0.00	94.58 2.56 0.00	59.31 1.75 0.00	56.32 1.60 0.00	54.63 1.65 0.00	52.07 1.64 0.00	49.37 1.35 0.00	48.38 1.32 0.00
CRUCIBLE_METL_DRP 24180	47.17 -0.65 -2.52	49.62 -0.80 -1.74	44.39 -0.71 -1.21	46.02 -0.80 -1.38	47.48 -0.76 -2.20	46.59 -0.79 -0.15	61.77 -0.91 0.00	76.76 -1.15 -0.18	84.78 -1.29 0.00	114.02 -1.72 0.00	60.28 -0.94 -1.51	52.18 -0.76 -2.58	53.53 -0.85 -1.41	53.12 -0.82 0.00	53.00 -0.85 0.00	70.40 -1.07 0.00	81.17 -1.17 0.00	90.78 -1.43 -0.19	56.85 -0.90 -0.19	53.76 -0.96 0.00	51.96 -1.02 0.00	50.06 -1.02 -0.66	47.00 -1.02 0.00	46.03 -1.02 0.00
DAHOWA___HYDRO 323763	47.33 2.01 0.00	50.90 2.23 0.00	45.89 2.00 0.00	47.57 2.12 0.00	48.14 2.11 0.00	49.55 2.30 0.00	65.35 2.67 0.00	81.28 3.55 0.00	90.33 4.26 0.00	121.16 5.41 0.00	62.26 2.55 0.00	52.22 1.86 0.00	54.90 1.93 0.00	55.90 1.96 0.00	55.96 2.11 0.00	74.34 2.87 0.00	85.76 3.41 0.00	95.44 3.43 0.00	60.34 2.78 0.00	57.32 2.60 0.00	55.61 2.63 0.00	52.79 2.37 0.00	50.21 2.19 0.00	48.84 1.78 0.00
DANC___LFGE 323619	46.91 -0.26 -1.86	50.36 -0.67 -2.36	44.71 -0.82 -1.63	46.23 -1.08 -1.86	47.03 -0.95 -1.96	46.64 -0.80 -0.20	61.86 -0.82 0.00	76.79 -0.94 0.00	85.27 -0.80 0.00	115.31 -0.43 0.00	59.43 -0.28 0.00	50.12 -0.24 0.00	51.89 -1.08 0.00	52.49 -1.45 0.00	52.24 -1.61 0.00	69.75 -1.72 0.00	80.52 -1.83 0.00	89.76 -2.26 0.00	55.66 -1.89 0.00	52.69 -2.03 0.00	50.99 -1.99 0.00	48.66 -1.77 0.00	46.03 -1.99 0.00	45.48 -1.57 0.00
DANSKAMMER___1 23586	47.62 2.31 0.00	50.96 2.29 0.00	45.89 2.00 0.00	47.44 1.99 0.00	48.03 2.00 0.00	49.50 2.26 0.00	65.97 3.29 0.00	81.56 3.83 0.00	90.13 4.05 0.00	121.19 5.45 0.00	62.64 2.93 0.00	52.89 2.53 0.00	55.38 2.41 0.00	56.26 2.33 0.00	56.04 2.18 0.00	74.33 2.85 0.00	85.51 3.16 0.00	95.94 3.92 0.00	60.12 2.56 0.00	57.06 2.35 0.00	55.44 2.46 0.00	53.06 2.64 0.00	50.32 2.30 0.00	49.26 2.20 0.00
DANSKAMMER___2 23589	47.62 2.31 0.00	50.96 2.29 0.00	45.89 2.00 0.00	47.44 1.99 0.00	48.03 2.00 0.00	49.50 2.26 0.00	65.97 3.29 0.00	81.56 3.83 0.00	90.13 4.05 0.00	121.19 5.45 0.00	62.64 2.93 0.00	52.89 2.53 0.00	55.38 2.41 0.00	56.26 2.33 0.00	56.04 2.18 0.00	74.33 2.85 0.00	85.51 3.16 0.00	95.94 3.92 0.00	60.12 2.56 0.00	57.06 2.35 0.00	55.44 2.46 0.00	53.06 2.64 0.00	50.32 2.30 0.00	49.26 2.20 0.00
DANSKAMMER___3 23590	47.62 2.31 0.00	50.96 2.29 0.00	45.89 2.00 0.00	47.44 1.99 0.00	48.03 2.00 0.00	49.50 2.26 0.00	65.97 3.29 0.00	81.56 3.83 0.00	90.13 4.05 0.00	121.19 5.45 0.00	62.64 2.93 0.00	52.89 2.53 0.00	55.38 2.41 0.00	56.26 2.33 0.00	56.04 2.18 0.00	74.33 2.85 0.00	85.51 3.16 0.00	95.94 3.92 0.00	60.12 2.56 0.00	57.06 2.35 0.00	55.44 2.46 0.00	53.06 2.64 0.00	50.32 2.30 0.00	49.26 2.20 0.00

DANSKAMMER___4 23591	47.62 2.31 0.00	50.96 2.29 0.00	45.89 2.00 0.00	47.44 1.99 0.00	48.03 2.00 0.00	49.50 2.26 0.00	65.97 3.29 0.00	81.56 3.83 0.00	90.13 4.05 0.00	121.19 5.45 0.00	62.64 2.93 0.00	52.89 2.53 0.00	55.38 2.41 0.00	56.26 2.33 0.00	56.04 2.18 0.00	74.33 2.85 0.00	85.51 3.16 0.00	95.94 3.92 0.00	60.12 2.56 0.00	57.06 2.35 0.00	55.44 2.46 0.00	53.06 2.64 0.00	50.32 2.30 0.00	49.26 2.20 0.00
DANSKAMMER___DIESEL 23592	47.62 2.31 0.00	50.94 2.27 0.00	45.88 1.99 0.00	47.42 1.97 0.00	48.02 1.99 0.00	49.51 2.26 0.00	65.98 3.30 0.00	81.55 3.83 0.00	90.12 4.05 0.00	121.20 5.46 0.00	62.64 2.93 0.00	52.90 2.54 0.00	55.38 2.41 0.00	56.27 2.32 0.00	56.04 2.19 0.00	74.34 2.86 0.00	85.50 3.16 0.00	95.93 3.92 0.00	60.11 2.56 0.00	57.07 2.35 0.00	55.44 2.46 0.00	53.07 2.64 0.00	50.31 2.29 0.00	49.26 2.20 0.00
DARBY___SOLAR 323810	47.14 1.83 0.00	50.70 2.03 0.00	45.73 1.83 0.00	47.39 1.93 0.00	47.96 1.93 0.00	49.32 2.07 0.00	65.05 2.37 0.00	80.89 3.16 0.00	89.90 3.83 0.00	120.62 4.88 0.00	62.03 2.31 0.00	52.11 1.75 0.00	54.76 1.80 0.00	55.76 1.82 0.00	55.82 1.97 0.00	74.13 2.65 0.00	85.49 3.14 0.00	95.15 3.13 0.00	60.10 2.54 0.00	57.08 2.36 0.00	55.38 2.40 0.00	52.60 2.17 0.00	50.03 2.02 0.00	48.72 1.66 0.00
DASHVILLE___HYD 23610	47.06 1.75 0.00	50.37 1.70 0.00	45.41 1.52 0.00	46.93 1.48 0.00	47.51 1.48 0.00	48.93 1.69 0.00	65.17 2.50 0.00	80.59 2.86 0.00	89.12 3.04 0.00	119.82 4.07 0.00	61.94 2.23 0.00	52.35 1.99 0.00	54.99 2.02 0.00	55.96 2.03 0.00	55.75 1.90 0.00	73.99 2.51 0.00	85.14 2.80 0.00	95.41 3.39 0.00	59.82 2.26 0.00	56.79 2.07 0.00	55.06 2.08 0.00	52.48 2.05 0.00	49.75 1.73 0.00	48.70 1.65 0.00
DELAWARE___LFGE 323621	46.29 0.98 0.00	49.61 0.94 0.00	44.85 0.96 0.00	46.38 0.92 0.00	46.91 0.88 0.00	48.18 0.94 0.00	64.14 1.46 0.00	79.42 1.69 0.00	87.80 1.73 0.00	118.05 2.31 0.00	60.98 1.27 0.00	51.52 1.16 0.00	54.14 1.17 0.00	55.15 1.21 0.00	55.01 1.15 0.00	73.00 1.53 0.00	84.10 1.75 0.00	93.87 1.85 0.00	58.74 1.19 0.00	55.76 1.04 0.00	54.03 1.05 0.00	51.39 0.96 0.00	48.77 0.75 0.00	47.75 0.69 0.00
DERFIELD_115KV_TB7 355931	45.47 0.16 0.00	48.81 0.13 0.00	44.02 0.13 0.00	45.59 0.13 0.00	46.15 0.12 0.00	47.38 0.13 0.00	62.81 0.13 0.00	77.88 0.15 0.00	86.25 0.17 0.00	115.97 0.23 0.00	59.83 0.12 0.00	50.48 0.12 0.00	53.07 0.11 0.00	54.05 0.11 0.00	53.96 0.11 0.00	71.60 0.12 0.00	82.43 0.08 0.00	92.03 0.01 0.00	57.66 0.10 0.00	54.77 0.05 0.00	53.03 0.05 0.00	50.52 0.09 0.00	48.07 0.05 0.00	47.10 0.04 0.00
DOGLEVILLE___HYD 23807	49.05 3.74 0.00	52.70 4.03 0.00	47.58 3.68 0.00	49.21 3.76 0.00	49.88 3.85 0.00	51.34 4.09 0.00	67.76 5.08 0.00	84.10 6.38 0.00	93.28 7.21 0.00	125.22 9.48 0.00	64.64 4.93 0.00	54.35 3.99 0.00	57.06 4.09 0.00	58.19 4.25 0.00	58.30 4.45 0.00	77.34 5.87 0.00	89.02 6.67 0.00	98.78 6.76 0.00	62.13 4.57 0.00	58.92 4.20 0.00	57.06 4.08 0.00	54.41 3.98 0.00	51.70 3.68 0.00	50.40 3.34 0.00
DUNKIRK___115KV_TB_200 55889	35.44 -3.07 6.81	45.10 -3.57 0.00	40.63 -3.26 0.00	41.85 -3.60 0.00	38.06 -3.45 4.52	43.66 -3.58 0.00	58.39 -4.29 0.00	70.89 -5.79 1.04	78.99 -7.08 0.00	106.23 -9.52 0.00	46.50 -4.96 8.25	31.21 -4.03 15.12	25.56 -4.35 23.06	34.07 -4.02 15.85	35.71 -4.20 13.94	64.69 -5.60 1.18	73.44 -5.78 3.12	77.32 -7.62 7.08	51.67 -4.89 1.00	49.65 -5.07 0.00	45.29 -5.30 2.40	40.58 -5.16 4.69	43.42 -4.60 0.00	43.00 -4.06 0.00
DUNKIRK___1 23563	35.44 -3.07 6.81	45.10 -3.57 0.00	40.63 -3.26 0.00	41.85 -3.60 0.00	38.06 -3.45 4.52	43.66 -3.58 0.00	58.39 -4.29 0.00	70.89 -5.79 1.04	78.99 -7.08 0.00	106.23 -9.52 0.00	46.50 -4.96 8.25	31.21 -4.03 15.12	25.56 -4.35 23.06	34.07 -4.02 15.85	35.71 -4.20 13.94	64.69 -5.60 1.18	73.44 -5.78 3.12	77.32 -7.62 7.08	51.67 -4.89 1.00	49.65 -5.07 0.00	45.29 -5.30 2.40	40.58 -5.16 4.69	43.42 -4.60 0.00	43.00 -4.06 0.00
DUNKIRK___2 23564	35.44 -3.07 6.81	45.10 -3.57 0.00	40.63 -3.26 0.00	41.85 -3.60 0.00	38.06 -3.45 4.52	43.66 -3.58 0.00	58.39 -4.29 0.00	70.89 -5.79 1.04	78.99 -7.08 0.00	106.23 -9.52 0.00	46.50 -4.96 8.25	31.21 -4.03 15.12	25.56 -4.35 23.06	34.07 -4.02 15.85	35.71 -4.20 13.94	64.69 -5.60 1.18	73.44 -5.78 3.12	77.32 -7.62 7.08	51.67 -4.89 1.00	49.65 -5.07 0.00	45.29 -5.30 2.40	40.58 -5.16 4.69	43.42 -4.60 0.00	43.00 -4.06 0.00
DUNKIRK___3 23565	35.50 -3.08 6.73	45.09 -3.59 0.00	40.61 -3.28 0.00	41.85 -3.61 0.00	38.11 -3.46 4.47	43.60 -3.64 0.00	58.24 -4.44 0.00	70.72 -5.97 1.03	78.82 -7.25 0.00	106.06 -9.68 0.00	46.52 -5.03 8.16	31.33 -4.08 14.95	25.79 -4.38 22.80	34.17 -4.10 15.67	35.80 -4.27 13.78	64.56 -5.75 1.17	73.24 -6.02 3.09	77.35 -7.66 7.00	51.64 -4.93 0.99	49.63 -5.09 0.00	45.34 -5.27 2.37	40.70 -5.09 4.64	43.42 -4.60 0.00	43.03 -4.03 0.00
DUNKIRK___4 23566	35.50 -3.08 6.73	45.09 -3.59 0.00	40.61 -3.28 0.00	41.85 -3.61 0.00	38.11 -3.46 4.47	43.60 -3.64 0.00	58.24 -4.44 0.00	70.72 -5.97 1.03	78.82 -7.25 0.00	106.06 -9.68 0.00	46.52 -5.03 8.16	31.33 -4.08 14.95	25.79 -4.38 22.80	34.17 -4.10 15.67	35.80 -4.27 13.78	64.56 -5.75 1.17	73.24 -6.02 3.09	77.35 -7.66 7.00	51.64 -4.93 0.99	49.63 -5.09 0.00	45.34 -5.27 2.37	40.70 -5.09 4.64	43.42 -4.60 0.00	43.03 -4.03 0.00
DUNWOODS_138_KV_38W08_REV_LBMP_I 345000	47.60 2.29 0.00	50.89 2.22 0.00	45.80 1.90 0.00	47.32 1.87 0.00	47.91 1.89 0.00	49.41 2.17 0.00	65.84 3.17 0.00	81.29 3.56 0.00	89.93 3.86 0.00	120.81 5.07 0.00	62.59 2.88 0.00	53.02 2.65 0.00	55.67 2.70 0.00	56.75 2.81 0.00	56.48 2.63 0.00	74.84 3.37 0.00	85.95 3.61 0.00	96.47 4.46 0.00	60.47 2.92 0.00	57.40 2.68 0.00	55.63 2.65 0.00	53.03 2.60 0.00	50.24 2.22 0.00	49.26 2.20 0.00
E.WALDEN_115_KV_TR_1_REV_LBMP_G 345009	47.35 2.04 0.00	50.67 2.00 0.00	45.62 1.73 0.00	47.16 1.71 0.00	47.75 1.72 0.00	49.20 1.96 0.00	65.60 2.92 0.00	81.00 3.28 0.00	89.42 3.35 0.00	120.40 4.66 0.00	62.25 2.54 0.00	52.62 2.25 0.00	55.18 2.22 0.00	56.19 2.25 0.00	55.98 2.12 0.00	74.26 2.78 0.00	85.43 3.09 0.00	95.85 3.84 0.00	60.06 2.50 0.00	57.01 2.29 0.00	55.28 2.29 0.00	52.75 2.32 0.00	50.00 1.99 0.00	48.95 1.89 0.00
E179THST_138_KV_TB4_REV_LBMP_J 345001	47.65 2.34 0.00	50.96 2.29 0.00	45.88 1.98 0.00	47.40 1.95 0.00	47.99 1.96 0.00	49.48 2.24 0.00	65.92 3.24 0.00	81.46 3.74 0.00	90.11 4.03 0.00	120.95 5.20 0.00	62.85 3.14 0.00	53.27 2.91 0.00	55.80 2.83 0.00	56.90 2.96 0.00	56.71 2.86 0.00	74.89 3.41 0.00	86.05 3.70 0.00	96.67 4.65 0.00	60.57 3.01 0.00	57.50 2.79 0.00	55.72 2.74 0.00	53.19 2.76 0.00	50.38 2.36 0.00	49.35 2.30 0.00

E179THST_13_KV_LOAD 356214	47.84 2.53 0.00	51.16 2.48 0.00	46.04 2.15 0.00	47.57 2.12 0.00	48.16 2.13 0.00	49.68 2.43 0.00	66.19 3.51 0.00	81.82 4.10 0.00	90.53 4.46 0.00	121.49 5.74 0.00	63.14 3.43 0.00	53.51 3.15 0.00	56.04 3.08 0.00	57.17 3.23 0.00	56.97 3.12 0.00	75.24 3.77 0.00	86.46 4.11 0.00	97.15 5.13 0.00	60.86 3.31 0.00	57.78 3.06 0.00	55.99 3.01 0.00	53.43 3.00 0.00	50.60 2.58 0.00	49.56 2.51 0.00
EAST HAMPTON___GT 23717	59.86 1.15 -13.40	49.61 0.93 0.00	44.66 0.77 0.00	46.13 0.68 0.00	46.76 0.73 0.00	48.48 1.23 0.00	65.72 2.31 -0.73	91.59 2.29 -11.57	89.07 3.00 0.00	129.00 7.84 -5.42	74.98 5.12 -10.15	57.38 4.99 -2.03	66.29 5.32 -8.00	148.19 5.49 -88.76	67.04 2.85 -10.34	86.21 1.91 -12.82	121.25 2.71 -36.19	163.08 4.01 -67.05	107.22 2.31 -47.35	91.64 2.01 -34.91	61.73 1.70 -7.05	54.67 1.70 -2.54	49.70 1.68 0.00	48.57 1.51 0.00
EAST RIVER___6 23660	47.74 2.43 0.00	50.98 2.31 0.00	45.85 1.96 0.00	47.39 1.94 0.00	47.97 1.94 0.00	49.53 2.28 0.00	66.09 3.41 0.00	81.58 3.85 0.00	90.24 4.17 0.00	121.35 5.61 0.00	62.94 3.23 0.00	53.32 2.96 0.00	56.02 3.05 0.00	57.11 3.16 0.00	56.85 3.00 0.00	75.29 3.81 0.00	86.40 4.05 0.00	96.97 4.95 0.00	60.73 3.17 0.00	57.64 2.92 0.00	55.84 2.86 0.00	53.23 2.81 0.00	50.40 2.39 0.00	49.43 2.38 0.00
EAST RIVER___7 23524	47.74 2.43 0.00	50.98 2.31 0.00	45.85 1.96 0.00	47.39 1.94 0.00	47.97 1.94 0.00	49.53 2.28 0.00	66.09 3.41 0.00	81.58 3.85 0.00	90.24 4.17 0.00	121.35 5.61 0.00	62.94 3.23 0.00	53.32 2.96 0.00	56.02 3.05 0.00	57.11 3.16 0.00	56.85 3.00 0.00	75.29 3.81 0.00	86.40 4.05 0.00	96.97 4.95 0.00	60.73 3.17 0.00	57.64 2.92 0.00	55.84 2.86 0.00	53.23 2.81 0.00	50.40 2.39 0.00	49.43 2.38 0.00
EASTVIEW_138_KV_38W32_REV_LBMP_I 345002	47.45 2.14 0.00	50.74 2.07 0.00	45.66 1.77 0.00	47.18 1.73 0.00	47.77 1.74 0.00	49.26 2.02 0.00	65.67 2.99 0.00	81.06 3.33 0.00	89.62 3.54 0.00	120.40 4.66 0.00	62.37 2.65 0.00	52.81 2.45 0.00	55.45 2.48 0.00	56.53 2.59 0.00	56.27 2.42 0.00	74.59 3.11 0.00	85.69 3.35 0.00	96.21 4.19 0.00	60.28 2.72 0.00	57.22 2.51 0.00	55.45 2.47 0.00	52.84 2.41 0.00	50.08 2.06 0.00	49.10 2.04 0.00
EAST_HAMPTON___DIESEL 23722	59.70 0.99 -13.40	49.43 0.75 0.00	44.51 0.62 0.00	45.98 0.53 0.00	46.60 0.57 0.00	48.33 1.08 0.00	65.51 2.10 -0.73	91.33 2.03 -11.57	88.84 2.76 0.00	128.90 7.74 -5.42	74.95 5.09 -10.15	57.39 5.00 -2.03	66.30 5.33 -8.00	148.20 5.50 -88.76	66.95 2.75 -10.34	85.98 1.68 -12.82	121.00 2.46 -36.19	162.80 3.73 -67.05	107.02 2.10 -47.35	91.46 1.83 -34.91	61.56 1.53 -7.05	54.49 1.52 -2.54	49.55 1.53 0.00	48.41 1.36 0.00
EAST_POINT___SOLAR 323840	46.33 1.02 0.00	49.67 1.00 0.00	44.82 0.93 0.00	46.26 0.81 0.00	46.92 0.88 0.00	48.33 1.08 0.00	64.53 1.86 0.00	80.31 2.58 0.00	88.48 2.41 0.00	118.84 3.09 0.00	61.27 1.56 0.00	51.44 1.08 0.00	54.21 1.24 0.00	55.39 1.45 0.00	55.32 1.47 0.00	73.39 1.91 0.00	84.74 2.39 0.00	95.07 3.05 0.00	59.26 1.70 0.00	56.04 1.32 0.00	54.09 1.11 0.00	51.47 1.05 0.00	48.82 0.80 0.00	47.75 0.69 0.00
EAST_PULASKI___ESR 323781	47.18 -0.91 -2.78	51.04 -1.17 -3.54	45.23 -1.11 -2.45	46.90 -1.35 -2.79	47.66 -1.30 -2.93	46.26 -1.28 -0.30	61.12 -1.56 0.00	75.82 -1.91 0.00	84.02 -2.05 0.00	113.36 -2.39 0.00	58.47 -1.24 0.00	49.35 -1.01 0.00	51.54 -1.43 0.00	52.36 -1.58 0.00	52.21 -1.64 0.00	69.44 -2.04 0.00	80.11 -2.24 0.00	89.37 -2.65 0.00	55.72 -1.84 0.00	52.82 -1.90 0.00	51.09 -1.89 0.00	48.64 -1.79 0.00	46.17 -1.85 0.00	45.44 -1.62 0.00
EAST_RIVER___1 323558	47.78 2.47 0.00	51.05 2.37 0.00	45.92 2.03 0.00	47.44 1.99 0.00	48.04 2.01 0.00	49.57 2.33 0.00	66.10 3.42 0.00	81.58 3.85 0.00	90.22 4.15 0.00	121.27 5.53 0.00	62.91 3.20 0.00	53.30 2.93 0.00	55.99 3.02 0.00	57.06 3.12 0.00	56.83 2.97 0.00	75.23 3.75 0.00	86.32 3.97 0.00	96.92 4.90 0.00	60.71 3.15 0.00	57.61 2.90 0.00	55.84 2.87 0.00	53.23 2.81 0.00	50.41 2.39 0.00	49.43 2.37 0.00
EAST_RIVER___2 323559	47.74 2.43 0.00	50.98 2.31 0.00	45.85 1.96 0.00	47.39 1.94 0.00	47.97 1.94 0.00	49.53 2.28 0.00	66.09 3.41 0.00	81.58 3.85 0.00	90.24 4.17 0.00	121.35 5.61 0.00	62.94 3.23 0.00	53.32 2.96 0.00	56.02 3.05 0.00	57.11 3.16 0.00	56.85 3.00 0.00	75.29 3.81 0.00	86.40 4.05 0.00	96.97 4.95 0.00	60.73 3.17 0.00	57.64 2.92 0.00	55.84 2.86 0.00	53.23 2.81 0.00	50.40 2.39 0.00	49.43 2.38 0.00
EAST___DELAWARE_HYD 23607	46.44 1.13 0.00	49.70 1.03 0.00	44.75 0.85 0.00	46.27 0.82 0.00	46.87 0.84 0.00	48.30 1.06 0.00	64.46 1.78 0.00	79.69 1.96 0.00	88.02 1.94 0.00	118.46 2.72 0.00	61.24 1.53 0.00	51.64 1.27 0.00	54.24 1.27 0.00	55.23 1.29 0.00	55.06 1.20 0.00	73.09 1.61 0.00	84.20 1.85 0.00	94.54 2.52 0.00	59.19 1.63 0.00	56.19 1.47 0.00	54.44 1.46 0.00	51.85 1.42 0.00	49.09 1.07 0.00	48.01 0.95 0.00
EIGHT_POINT___WT_PWR 323820	21.24 -3.81 20.26	44.31 -4.36 0.00	39.94 -3.95 0.00	40.94 -4.51 0.00	28.03 -4.55 13.44	42.28 -4.97 0.00	55.94 -6.73 0.00	65.65 -8.96 3.11	76.11 -9.96 0.00	101.84 -13.90 0.00	24.98 -7.50 27.23	-2.73 -6.46 46.62	-18.34 -7.00 64.31	5.11 -6.29 42.54	9.91 -6.55 37.39	59.64 -8.66 3.17	64.91 -9.07 8.37	62.69 -10.02 19.31	48.53 -6.05 2.98	48.37 -6.35 0.00	38.51 -7.14 7.33	29.94 -6.47 14.02	42.12 -5.90 0.00	41.72 -5.34 0.00
ELBRIDGE_115KV_TB2 80188	47.11 -0.88 -2.68	49.42 -1.04 -1.79	44.16 -0.97 -1.24	45.79 -1.07 -1.41	47.33 -1.02 -2.33	46.31 -1.09 -0.15	61.38 -1.30 0.00	76.30 -1.62 -0.20	84.24 -1.84 0.00	113.23 -2.51 0.00	60.02 -1.36 -1.67	52.11 -1.11 -2.86	55.33 -1.21 -3.57	54.90 -1.18 -2.14	54.48 -1.21 -1.84	70.06 -1.57 -0.16	81.04 -1.72 -0.41	90.98 -2.05 -1.01	56.50 -1.27 -0.21	53.42 -1.30 0.00	51.98 -1.34 -0.34	49.96 -1.31 -0.84	46.75 -1.27 0.00	45.81 -1.25 0.00
ELEC_TRO_TEK 24086	63.56 2.28 -15.97	50.92 2.25 0.00	45.84 1.95 0.00	47.32 1.87 0.00	47.94 1.91 0.00	49.47 2.23 0.00	65.91 3.23 0.00	81.20 3.48 0.00	90.09 4.02 0.00	121.10 5.33 -0.02	80.06 3.11 -17.24	55.60 2.81 -2.43	55.77 2.80 -0.01	177.90 3.17 -120.79	59.74 2.49 -3.40	77.03 3.35 -2.20	119.62 3.67 -33.60	173.32 4.62 -76.68	118.16 3.06 -57.54	98.27 2.81 -40.74	55.77 2.78 -0.01	53.17 2.74 0.00	50.41 2.39 0.00	49.52 2.46 0.00
ELLENBURG_WT_PWR 323604	45.50 0.18 0.00	48.94 0.26 0.00	44.12 0.23 0.00	45.80 0.34 0.00	46.50 0.47 0.00	47.72 0.48 0.00	63.34 0.66 0.00	78.57 0.84 0.00	86.85 0.77 0.00	116.76 1.02 0.00	60.34 0.63 0.00	50.82 0.46 0.00	53.52 0.56 0.00	54.51 0.57 0.00	54.39 0.54 0.00	72.01 0.53 0.00	83.31 0.96 0.00	93.40 1.38 0.00	58.09 0.53 0.00	55.14 0.42 0.00	53.45 0.47 0.00	51.06 0.63 0.00	48.75 0.74 0.00	47.83 0.78 0.00

ELM_ST_23_KV_LD_REV_LBMP_A 345012	36.00 -3.10 6.21	45.02 -3.66 0.00	40.65 -3.24 0.00	41.83 -3.63 0.00	38.49 -3.42 4.12	43.41 -3.83 0.00	57.90 -4.78 0.00	70.48 -6.30 0.95	78.69 -7.38 0.00	106.05 -9.69 0.00	47.21 -5.04 7.47	32.50 -4.10 13.77	27.53 -4.43 21.02	35.21 -4.29 14.44	36.71 -4.44 12.70	64.33 -6.07 1.08	73.01 -6.49 2.84	77.80 -7.77 6.45	51.59 -5.06 0.91	49.52 -5.20 0.00	45.45 -5.32 2.22	41.05 -5.09 4.29	43.35 -4.67 0.00	43.01 -4.05 0.00
EMPIRE_CC_1 323656	46.09 0.78 0.00	49.63 0.96 0.00	44.86 0.97 0.00	46.44 0.99 0.00	46.97 0.94 0.00	48.16 0.91 0.00	63.00 0.32 0.00	78.31 0.59 0.00	87.08 1.00 0.00	116.96 1.22 0.00	60.22 0.51 0.00	50.77 0.41 0.00	53.34 0.37 0.00	54.22 0.28 0.00	54.32 0.47 0.00	72.03 0.55 0.00	82.88 0.53 0.00	92.24 0.22 0.00	58.28 0.72 0.00	55.45 0.74 0.00	53.84 0.86 0.00	51.26 0.83 0.00	48.82 0.80 0.00	47.71 0.65 0.00
EMPIRE_CC_2 323658	46.09 0.78 0.00	49.63 0.96 0.00	44.86 0.97 0.00	46.44 0.99 0.00	46.97 0.94 0.00	48.16 0.91 0.00	63.00 0.32 0.00	78.31 0.59 0.00	87.08 1.00 0.00	116.96 1.22 0.00	60.22 0.51 0.00	50.77 0.41 0.00	53.34 0.37 0.00	54.22 0.28 0.00	54.32 0.47 0.00	72.03 0.55 0.00	82.88 0.53 0.00	92.24 0.22 0.00	58.28 0.72 0.00	55.45 0.74 0.00	53.84 0.86 0.00	51.26 0.83 0.00	48.82 0.80 0.00	47.71 0.65 0.00
ENORWICH_115KV_TB1 80156	55.81 1.96 -8.54	50.53 1.86 0.00	45.68 1.79 0.00	47.20 1.74 0.00	53.51 1.82 -5.66	49.40 2.16 0.00	66.00 3.33 0.00	83.24 4.20 -1.31	90.47 4.40 0.00	121.28 5.53 0.00	73.28 2.81 -10.76	72.24 2.58 -19.29	81.56 2.49 -26.10	73.58 2.80 -16.84	71.31 2.70 -14.76	76.63 3.90 -1.25	90.40 4.75 -3.30	104.94 4.93 -8.00	61.88 2.76 -1.55	56.98 2.26 0.00	57.71 2.05 -2.68	57.84 1.65 -5.77	49.06 1.04 0.00	47.94 0.88 0.00
ERIE_ST__34_KV_TB1-2 80199	35.85 -2.71 6.75	45.42 -3.26 0.00	40.99 -2.91 0.00	42.18 -3.27 0.00	38.53 -3.02 4.48	43.89 -3.36 0.00	58.55 -4.12 0.00	71.28 -5.41 1.04	79.71 -6.36 0.00	107.50 -8.24 0.00	47.34 -4.23 8.14	32.05 -3.34 14.97	26.45 -3.68 22.84	34.68 -3.57 15.69	36.32 -3.73 13.80	65.10 -5.21 1.17	73.74 -5.52 3.09	78.50 -6.50 7.01	52.24 -4.33 0.99	50.20 -4.52 0.00	45.98 -4.61 2.39	41.31 -4.46 4.66	43.84 -4.17 0.00	43.45 -3.61 0.00
ERIE_WT_PWR 323693	35.70 -2.90 6.71	45.31 -3.36 0.00	40.84 -3.05 0.00	42.18 -3.27 0.00	38.30 -3.28 4.45	43.63 -3.61 0.00	58.22 -4.46 0.00	70.76 -5.94 1.03	79.14 -6.93 0.00	106.64 -9.10 0.00	46.84 -4.85 8.02	31.63 -3.89 14.84	26.02 -4.28 22.67	34.30 -4.08 15.56	35.99 -4.17 13.68	64.63 -5.68 1.16	73.25 -6.04 3.06	77.85 -7.21 6.96	51.88 -4.70 0.98	49.79 -4.93 0.00	45.54 -5.05 2.39	40.95 -4.84 4.63	43.62 -4.40 0.00	43.22 -3.84 0.00
ESPRGFLD_115KV_TB1 80157	45.40 0.09 0.00	48.62 -0.05 0.00	43.83 -0.06 0.00	45.28 -0.17 0.00	45.89 -0.14 0.00	47.23 -0.02 0.00	63.12 0.44 0.00	78.38 0.65 0.00	86.39 0.31 0.00	116.21 0.47 0.00	60.10 0.39 0.00	50.71 0.35 0.00	53.34 0.37 0.00	54.36 0.42 0.00	54.18 0.33 0.00	71.94 0.47 0.00	82.87 0.52 0.00	92.83 0.82 0.00	57.71 0.15 0.00	54.53 -0.18 0.00	52.69 -0.29 0.00	50.09 -0.33 0.00	47.49 -0.53 0.00	46.57 -0.49 0.00
ETNA_115_KV_TB1_REV_LBMP_C 345029	66.69 0.34 -21.03	48.88 0.21 0.00	44.11 0.21 0.00	45.60 0.14 0.00	60.19 0.20 -13.95	47.50 0.26 0.00	63.32 0.64 0.00	81.75 0.79 -3.23	86.96 0.89 0.00	116.84 1.09 0.00	86.86 0.43 -26.72	98.31 0.41 -47.54	115.35 0.35 -62.03	93.48 0.46 -39.08	88.52 0.39 -34.27	75.00 0.61 -2.91	90.84 0.81 -7.67	111.49 0.79 -18.68	61.74 0.47 -3.71	55.02 0.30 0.00	59.43 0.16 -6.29	64.60 0.06 -14.12	47.94 -0.07 0.00	46.96 -0.09 0.00
ETNA____115KV_TB2 80207	66.69 0.34 -21.03	48.88 0.21 0.00	44.11 0.21 0.00	45.60 0.14 0.00	60.19 0.20 -13.95	47.50 0.26 0.00	63.32 0.64 0.00	81.75 0.79 -3.23	86.96 0.89 0.00	116.84 1.09 0.00	86.86 0.43 -26.72	98.31 0.41 -47.54	115.35 0.35 -62.03	93.48 0.46 -39.08	88.52 0.39 -34.27	75.00 0.61 -2.91	90.84 0.81 -7.67	111.49 0.79 -18.68	61.74 0.47 -3.71	55.02 0.30 0.00	59.43 0.16 -6.29	64.60 0.06 -14.12	47.94 -0.07 0.00	46.96 -0.09 0.00
EUCLID___115KV_TB2 356179	44.82 -1.15 -0.66	48.17 -1.34 -0.83	43.29 -1.18 -0.58	44.84 -1.28 -0.66	45.48 -1.24 -0.69	46.00 -1.32 -0.07	61.02 -1.67 0.00	75.68 -2.05 0.00	83.78 -2.29 0.00	112.72 -3.02 0.00	58.12 -1.59 0.00	49.05 -1.31 0.00	51.53 -1.44 0.00	52.50 -1.45 0.00	52.39 -1.46 0.00	69.59 -1.89 0.00	80.22 -2.12 0.00	89.51 -2.50 0.00	55.97 -1.59 0.00	53.12 -1.60 0.00	51.37 -1.61 0.00	48.87 -1.56 0.00	46.46 -1.56 0.00	45.55 -1.51 0.00
E_CANADA_CAP_HY 24051	45.02 -0.29 0.00	48.25 -0.42 0.00	43.46 -0.43 0.00	44.90 -0.55 0.00	45.53 -0.50 0.00	46.84 -0.41 0.00	62.43 -0.24 0.00	77.65 -0.08 0.00	85.62 -0.45 0.00	115.19 -0.55 0.00	59.58 -0.13 0.00	50.17 -0.20 0.00	52.85 -0.12 0.00	53.79 -0.15 0.00	53.73 -0.12 0.00	71.24 -0.24 0.00	81.84 -0.51 0.00	91.80 -0.21 0.00	57.05 -0.51 0.00	53.89 -0.83 0.00	52.06 -0.92 0.00	49.70 -0.73 0.00	47.21 -0.81 0.00	46.28 -0.77 0.00
E_CANADA_MHWK_HY 24050	49.05 3.74 0.00	52.71 4.04 0.00	47.57 3.69 0.00	49.24 3.79 0.00	49.88 3.85 0.00	51.34 4.09 0.00	67.76 5.08 0.00	84.10 6.37 0.00	93.27 7.20 0.00	125.21 9.46 0.00	64.63 4.92 0.00	54.34 3.97 0.00	57.05 4.08 0.00	58.19 4.25 0.00	58.30 4.44 0.00	77.34 5.87 0.00	89.01 6.67 0.00	98.78 6.76 0.00	62.12 4.56 0.00	58.92 4.21 0.00	57.06 4.08 0.00	54.41 3.98 0.00	51.70 3.68 0.00	50.40 3.34 0.00
E_FISHKILL___LBMP 23776	47.14 1.82 0.00	50.44 1.77 0.00	45.44 1.55 0.00	46.95 1.50 0.00	47.53 1.50 0.00	48.97 1.72 0.00	65.18 2.51 0.00	80.53 2.81 0.00	89.10 3.02 0.00	119.70 3.96 0.00	61.96 2.24 0.00	52.44 2.07 0.00	55.05 2.08 0.00	56.11 2.17 0.00	55.89 2.04 0.00	74.08 2.61 0.00	85.12 2.78 0.00	95.44 3.42 0.00	59.85 2.29 0.00	56.83 2.12 0.00	55.10 2.12 0.00	52.50 2.08 0.00	49.78 1.76 0.00	48.80 1.74 0.00
FALCON___SEABRD_CC1 323796	45.48 0.16 0.00	48.90 0.23 0.00	44.13 0.24 0.00	45.84 0.39 0.00	46.57 0.54 0.00	47.77 0.52 0.00	63.13 0.45 0.00	78.34 0.61 0.00	86.50 0.43 0.00	116.44 0.70 0.00	60.38 0.67 0.00	50.89 0.53 0.00	53.62 0.65 0.00	54.63 0.69 0.00	54.46 0.61 0.00	71.75 0.27 0.00	83.10 0.75 0.00	93.23 1.22 0.00	57.97 0.41 0.00	55.04 0.33 0.00	53.53 0.55 0.00	51.41 0.98 0.00	49.14 1.12 0.00	48.21 1.16 0.00
FALCON___SEABRD_CC2 323797	45.48 0.16 0.00	48.90 0.23 0.00	44.13 0.24 0.00	45.84 0.39 0.00	46.57 0.54 0.00	47.77 0.52 0.00	63.13 0.45 0.00	78.34 0.61 0.00	86.50 0.43 0.00	116.44 0.70 0.00	60.38 0.67 0.00	50.89 0.53 0.00	53.62 0.65 0.00	54.63 0.69 0.00	54.46 0.61 0.00	71.75 0.27 0.00	83.10 0.75 0.00	93.23 1.22 0.00	57.97 0.41 0.00	55.04 0.33 0.00	53.53 0.55 0.00	51.41 0.98 0.00	49.14 1.12 0.00	48.21 1.16 0.00

FAR ROCKAWAY___4 23548	63.14 3.23 -14.60	51.93 3.25 0.00	46.73 2.83 0.00	48.22 2.77 0.00	48.87 2.83 0.00	50.47 3.23 0.00	67.32 4.64 0.00	82.11 4.38 0.00	90.95 4.88 0.00	122.21 6.45 -0.02	79.15 3.68 -15.76	55.86 3.28 -2.22	56.24 3.26 -0.01	168.00 3.58 -110.48	59.94 2.99 -3.10	77.55 4.06 -2.01	117.30 4.23 -30.72	167.65 5.53 -70.11	113.95 3.78 -52.60	95.54 3.57 -37.24	56.49 3.50 0.00	53.82 3.40 0.00	51.03 3.01 0.00	50.10 3.04 0.00
FARRAGUT_138_KV_32071_REV_LBMP_J 345003	47.81 2.50 0.00	51.07 2.40 0.00	45.96 2.07 0.00	47.49 2.03 0.00	48.07 2.04 0.00	49.61 2.37 0.00	66.15 3.48 0.00	81.61 3.89 0.00	90.28 4.21 0.00	121.33 5.58 0.00	62.92 3.21 0.00	53.32 2.96 0.00	56.00 3.03 0.00	57.08 3.14 0.00	56.84 2.99 0.00	75.26 3.78 0.00	86.34 3.99 0.00	96.94 4.92 0.00	60.73 3.17 0.00	57.65 2.93 0.00	55.89 2.90 0.00	53.27 2.85 0.00	50.45 2.43 0.00	49.46 2.40 0.00
FARRAGUT_138_KV_38B01_REV_LBMP_J 345016	47.83 2.52 0.00	51.09 2.42 0.00	45.97 2.08 0.00	47.49 2.03 0.00	48.09 2.06 0.00	49.63 2.38 0.00	66.16 3.49 0.00	81.64 3.92 0.00	90.31 4.23 0.00	121.33 5.59 0.00	62.92 3.21 0.00	53.33 2.96 0.00	56.00 3.03 0.00	57.08 3.14 0.00	56.85 3.00 0.00	75.26 3.78 0.00	86.34 3.99 0.00	96.95 4.93 0.00	60.75 3.19 0.00	57.65 2.93 0.00	55.89 2.90 0.00	53.28 2.86 0.00	50.46 2.44 0.00	49.46 2.41 0.00
FARRAGUT_138_KV_38M12_REV_LBMP_J 345017	47.79 2.48 0.00	51.06 2.39 0.00	45.94 2.04 0.00	47.45 2.00 0.00	48.06 2.03 0.00	49.59 2.34 0.00	66.11 3.43 0.00	81.59 3.87 0.00	90.24 4.17 0.00	121.26 5.51 0.00	62.87 3.15 0.00	53.29 2.93 0.00	55.97 3.01 0.00	57.04 3.11 0.00	56.81 2.96 0.00	75.22 3.75 0.00	86.31 3.96 0.00	96.90 4.89 0.00	60.71 3.15 0.00	57.61 2.89 0.00	55.85 2.87 0.00	53.24 2.82 0.00	50.41 2.39 0.00	49.43 2.37 0.00
FARRAGUT___LBMP 323566	47.77 2.46 0.00	51.02 2.35 0.00	45.91 2.02 0.00	47.43 1.98 0.00	48.03 2.00 0.00	49.56 2.31 0.00	66.06 3.38 0.00	81.52 3.80 0.00	90.15 4.08 0.00	121.14 5.40 0.00	62.81 3.10 0.00	53.24 2.88 0.00	55.93 2.96 0.00	56.99 3.05 0.00	56.76 2.91 0.00	75.15 3.68 0.00	86.23 3.88 0.00	96.81 4.80 0.00	60.65 3.09 0.00	57.57 2.86 0.00	55.81 2.83 0.00	53.20 2.77 0.00	50.39 2.37 0.00	49.39 2.34 0.00
FENNER___WINDPWR 24204	50.18 0.72 -4.15	49.37 0.69 0.00	44.51 0.62 0.00	46.06 0.61 0.00	49.45 0.67 -2.75	48.08 0.83 0.00	64.01 1.33 0.00	80.12 1.74 -0.66	88.09 2.02 0.00	118.43 2.69 0.00	66.48 1.34 -5.43	61.20 1.15 -9.69	66.85 1.16 -12.72	63.24 1.25 -8.05	61.74 1.04 -6.84	73.45 1.40 -0.58	85.59 1.72 -1.53	97.56 1.65 -3.89	59.44 0.97 -0.90	55.49 0.77 0.00	54.89 0.66 -1.25	53.79 0.58 -2.79	48.43 0.41 0.00	47.45 0.39 0.00
FIBERTEK___ENERGY 23856	47.17 -0.65 -2.52	49.62 -0.80 -1.74	44.39 -0.71 -1.21	46.02 -0.80 -1.38	47.48 -0.76 -2.20	46.59 -0.79 -0.15	61.77 -0.91 0.00	76.76 -1.15 -0.18	84.78 -1.29 0.00	114.02 -1.72 0.00	60.28 -0.94 -1.51	52.18 -0.76 -2.58	53.53 -0.85 -1.41	53.12 -0.82 0.00	53.00 -0.85 0.00	70.40 -1.07 0.00	81.17 -1.17 0.00	90.78 -1.43 -0.19	56.85 -0.90 0.00	53.76 -0.96 0.00	51.96 -1.02 0.00	50.06 -1.02 -0.66	47.00 -1.02 0.00	46.03 -1.02 0.00
FITZPATRICK___ 23598	31.19 -1.74 12.38	30.98 -1.94 15.75	31.29 -1.71 10.88	31.20 -1.82 12.43	31.16 -1.83 13.05	43.97 -1.95 1.33	60.13 -2.55 0.00	74.58 -3.15 0.00	82.57 -3.50 0.00	111.03 -4.71 0.00	57.25 -2.46 0.00	48.34 -2.02 0.00	50.77 -2.20 0.00	51.72 -2.22 0.00	51.65 -2.21 0.00	68.55 -2.93 0.00	79.00 -3.35 0.00	88.22 -3.80 0.00	55.18 -2.38 0.00	52.39 -2.33 0.00	50.68 -2.30 0.00	48.23 -2.19 0.00	45.90 -2.12 0.00	45.00 -2.06 0.00
FORGEBRK_115_KV_TR1_2_REV_LBMP_G 345010	47.70 2.38 0.00	51.04 2.36 0.00	45.97 2.08 0.00	47.50 2.04 0.00	48.11 2.08 0.00	49.59 2.34 0.00	66.10 3.43 0.00	81.71 3.99 0.00	90.34 4.26 0.00	121.45 5.70 0.00	62.76 3.05 0.00	53.05 2.69 0.00	55.56 2.60 0.00	56.50 2.56 0.00	56.29 2.44 0.00	74.66 3.18 0.00	85.87 3.52 0.00	96.32 4.30 0.00	60.38 2.82 0.00	57.31 2.59 0.00	55.63 2.65 0.00	53.19 2.76 0.00	50.41 2.39 0.00	49.35 2.30 0.00
FORT ORANGE___ 23900	46.18 0.87 0.00	49.63 0.96 0.00	44.90 1.01 0.00	46.47 1.02 0.00	47.00 0.97 0.00	48.20 0.95 0.00	63.38 0.70 0.00	78.83 1.11 0.00	87.49 1.42 0.00	117.37 1.63 0.00	60.45 0.74 0.00	51.08 0.71 0.00	53.74 0.77 0.00	54.63 0.69 0.00	54.73 0.87 0.00	72.57 1.09 0.00	83.53 1.18 0.00	93.00 0.99 0.00	58.71 1.15 0.00	55.83 1.11 0.00	54.15 1.17 0.00	51.60 1.18 0.00	49.21 1.19 0.00	48.11 1.05 0.00
FORT_DRUM_COGEN 23780	47.27 0.65 -1.30	50.43 0.10 -1.66	44.78 -0.26 -1.15	46.30 -0.46 -1.31	47.13 -0.28 -1.37	47.44 0.06 -0.14	63.14 0.46 0.00	78.38 0.65 0.00	87.24 1.17 0.00	118.16 2.42 0.00	60.92 1.21 0.00	51.31 0.95 0.00	52.90 -0.07 0.00	53.36 -0.58 0.00	53.03 -0.82 0.00	70.90 -0.58 0.00	82.07 -0.28 0.00	91.55 -0.47 0.00	56.51 -1.05 0.00	53.42 -1.30 0.00	51.76 -1.22 0.00	49.49 -0.94 0.00	46.64 -1.38 0.00	46.14 -0.92 0.00
FOX_HILLS___ESR 323835	47.91 2.59 0.00	51.22 2.55 0.00	46.05 2.16 0.00	47.60 2.14 0.00	48.19 2.16 0.00	49.68 2.44 0.00	66.09 3.41 0.00	81.63 3.91 0.00	90.22 4.14 0.00	120.94 5.20 0.00	62.95 3.24 0.00	53.37 3.01 0.00	56.05 3.08 0.00	57.02 3.08 0.00	56.88 3.03 0.00	74.98 3.51 0.00	86.00 3.65 0.00	96.73 4.71 0.00	60.67 3.11 0.00	57.65 2.93 0.00	55.96 2.98 0.00	53.42 2.99 0.00	50.58 2.56 0.00	49.56 2.50 0.00
FPL_FAR_ROCK_GT1 24212	63.16 3.24 -14.60	51.94 3.27 0.00	46.73 2.83 0.00	48.23 2.78 0.00	48.87 2.84 0.00	50.47 3.23 0.00	67.32 4.64 0.00	82.11 4.38 0.00	90.96 4.88 0.00	122.22 6.45 -0.02	79.18 3.70 -15.76	55.86 3.28 -2.22	56.25 3.27 -0.01	168.01 3.60 -110.48	59.94 2.98 -3.10	77.56 4.08 -2.01	117.30 4.23 -30.72	167.65 5.52 -70.11	113.96 3.79 -52.60	95.54 3.58 -37.24	56.49 3.50 0.00	53.82 3.39 0.00	51.03 3.01 0.00	50.09 3.04 0.00
FPL_FAR_ROCK_GT2 23815	63.16 3.24 -14.60	51.94 3.27 0.00	46.73 2.83 0.00	48.23 2.78 0.00	48.87 2.84 0.00	50.47 3.23 0.00	67.32 4.64 0.00	82.11 4.38 0.00	90.96 4.88 0.00	122.22 6.45 -0.02	79.18 3.70 -15.76	55.86 3.28 -2.22	56.25 3.27 -0.01	168.01 3.60 -110.48	59.94 2.98 -3.10	77.56 4.08 -2.01	117.30 4.23 -30.72	167.65 5.52 -70.11	113.96 3.79 -52.60	95.54 3.58 -37.24	56.49 3.50 0.00	53.82 3.39 0.00	51.03 3.01 0.00	50.09 3.04 0.00
FRANKLIN_FALL_HYD 24054	46.32 1.01 0.00	49.76 1.09 0.00	44.81 0.92 0.00	46.54 1.08 0.00	47.22 1.19 0.00	48.51 1.27 0.00	64.59 1.92 0.00	80.19 2.46 0.00	88.68 2.60 0.00	119.38 3.64 0.00	61.60 1.89 0.00	51.79 1.43 0.00	54.49 1.53 0.00	55.46 1.52 0.00	55.37 1.51 0.00	73.32 1.85 0.00	84.84 2.49 0.00	95.04 3.02 0.00	59.07 1.51 0.00	56.11 1.39 0.00	54.41 1.42 0.00	51.94 1.51 0.00	49.53 1.52 0.00	48.62 1.56 0.00

FREEPORT_EQUS_GT1 23764	60.14 2.55 -12.28	51.15 2.47 0.00	46.04 2.15 0.00	47.52 2.07 0.00	48.14 2.11 0.00	49.71 2.47 0.00	66.17 3.49 0.00	81.38 3.66 0.00	90.49 4.42 0.00	121.77 6.02 -0.01	76.48 3.51 -13.26	55.35 3.12 -1.87	56.06 3.09 -0.01	149.91 3.28 -92.69	59.15 2.69 -2.61	76.78 3.62 -1.69	112.11 3.93 -25.84	155.92 4.93 -58.97	105.15 3.34 -44.25	89.27 3.23 -31.33	56.16 3.17 0.00	53.51 3.08 0.00	50.72 2.71 0.00	49.81 2.75 0.00
FREEPORT___CT2 23818	60.14 2.55 -12.28	51.15 2.47 0.00	46.04 2.15 0.00	47.52 2.07 0.00	48.14 2.11 0.00	49.71 2.47 0.00	66.17 3.49 0.00	81.38 3.66 0.00	90.49 4.42 0.00	121.77 6.02 -0.01	76.48 3.51 -13.26	55.35 3.12 -1.87	56.06 3.09 -0.01	149.91 3.28 -92.69	59.15 2.69 -2.61	76.78 3.62 -1.69	112.11 3.93 -25.84	155.92 4.93 -58.97	105.15 3.34 -44.25	89.27 3.23 -31.33	56.16 3.17 0.00	53.51 3.08 0.00	50.72 2.71 0.00	49.81 2.75 0.00
FRESHKLS_33_KV_LOAD 356253	48.06 2.75 0.00	51.39 2.71 0.00	46.22 2.33 0.00	47.76 2.31 0.00	48.37 2.34 0.00	49.84 2.60 0.00	66.25 3.57 0.00	81.83 4.10 0.00	90.38 4.31 0.00	121.07 5.33 0.00	63.04 3.33 0.00	53.44 3.08 0.00	56.18 3.21 0.00	57.11 3.17 0.00	57.01 3.16 0.00	75.08 3.60 0.00	86.11 3.76 0.00	96.88 4.86 0.00	60.77 3.21 0.00	57.80 3.08 0.00	56.15 3.17 0.00	53.59 3.17 0.00	50.74 2.72 0.00	49.72 2.67 0.00
FULTON COGEN____ 23766	47.10 -1.54 -3.33	51.19 -1.72 -4.24	45.30 -1.52 -2.92	47.16 -1.64 -3.34	47.93 -1.61 -3.51	45.91 -1.70 -0.36	60.52 -2.16 0.00	75.07 -2.66 0.00	83.14 -2.94 0.00	111.86 -3.89 0.00	57.66 -2.05 0.00	48.68 -1.69 0.00	51.11 -1.86 0.00	52.05 -1.89 0.00	51.97 -1.88 0.00	68.99 -2.48 0.00	79.55 -2.79 0.00	88.80 -3.22 0.00	55.55 -2.01 0.00	52.74 -1.97 0.00	50.98 -2.00 0.00	48.51 -1.92 0.00	46.11 -1.91 0.00	45.18 -1.88 0.00
FULTON___LFGE 323630	46.24 0.93 0.00	49.59 0.92 0.00	44.69 0.80 0.00	46.19 0.73 0.00	46.81 0.78 0.00	48.19 0.95 0.00	64.19 1.52 0.00	79.88 2.15 0.00	88.21 2.13 0.00	118.56 2.81 0.00	61.19 1.47 0.00	51.41 1.05 0.00	54.23 1.26 0.00	55.13 1.19 0.00	55.20 1.35 0.00	73.25 1.78 0.00	84.33 1.98 0.00	94.52 2.50 0.00	58.97 1.41 0.00	55.83 1.11 0.00	53.93 0.96 0.00	51.33 0.90 0.00	48.72 0.70 0.00	47.69 0.63 0.00
G.F.CEMENT___DRP 24184	47.58 2.26 0.00	51.17 2.49 0.00	46.07 2.18 0.00	47.76 2.31 0.00	48.36 2.32 0.00	49.82 2.57 0.00	65.75 3.07 0.00	81.87 4.14 0.00	91.02 4.94 0.00	121.92 6.17 0.00	62.68 2.97 0.00	52.52 2.16 0.00	55.21 2.24 0.00	56.20 2.26 0.00	56.32 2.47 0.00	74.81 3.34 0.00	86.44 4.09 0.00	96.03 4.01 0.00	60.80 3.24 0.00	57.66 2.94 0.00	55.98 3.00 0.00	53.10 2.67 0.00	50.51 2.49 0.00	49.05 2.00 0.00
GARDENVILLE___LBMP 24039	34.38 -3.12 7.81	44.97 -3.70 0.00	40.55 -3.34 0.00	41.72 -3.73 0.00	37.32 -3.54 5.18	43.29 -3.96 0.00	57.67 -5.00 0.00	69.95 -6.58 1.20	78.44 -7.63 0.00	105.61 -10.13 0.00	45.54 -5.26 8.92	29.12 -4.26 16.98	22.27 -4.58 26.12	31.65 -4.45 17.84	33.58 -4.58 15.69	63.89 -6.26 1.33	72.23 -6.61 3.51	76.24 -7.78 7.99	51.32 -5.10 1.14	49.36 -5.36 0.00	44.61 -5.50 2.87	39.77 -5.24 5.42	43.23 -4.79 0.00	42.89 -4.17 0.00
GARDNVLA_35_KV_LD 355827	36.00 -2.80 6.51	45.35 -3.33 0.00	40.93 -2.96 0.00	42.11 -3.34 0.00	38.56 -3.15 4.32	43.74 -3.50 0.00	58.39 -4.29 0.00	71.07 -5.66 1.00	79.52 -6.56 0.00	107.09 -8.65 0.00	47.34 -4.50 7.86	32.25 -3.66 14.45	26.95 -3.98 22.04	35.00 -3.80 15.15	36.60 -3.94 13.32	64.96 -5.38 1.13	73.70 -5.67 2.98	78.49 -6.76 6.77	52.17 -4.44 0.95	50.06 -4.66 0.00	45.86 -4.81 2.31	41.27 -4.66 4.49	43.74 -4.28 0.00	43.35 -3.71 0.00
GELCKHM___115KV_LOAD 80723	45.32 -0.96 -0.97	48.78 -1.12 -1.23	43.74 -1.00 -0.85	45.33 -1.09 -0.97	45.99 -1.06 -1.02	46.23 -1.12 -0.10	61.30 -1.38 0.00	76.02 -1.71 0.00	84.16 -1.92 0.00	113.21 -2.53 0.00	58.36 -1.35 0.00	49.26 -1.11 0.00	51.75 -1.22 0.00	52.73 -1.21 0.00	52.62 -1.23 0.00	69.90 -1.58 0.00	80.59 -1.76 0.00	89.93 -2.09 0.00	56.25 -1.31 0.00	53.37 -1.35 0.00	51.61 -1.37 0.00	49.08 -1.35 0.00	46.67 -1.35 0.00	45.74 -1.32 0.00
GENERAL___MILLS 23808	35.67 -2.93 6.71	45.20 -3.47 0.00	40.80 -3.09 0.00	41.98 -3.47 0.00	38.31 -3.27 4.45	43.60 -3.64 0.00	58.17 -4.51 0.00	70.73 -5.97 1.03	79.10 -6.97 0.00	106.56 -9.18 0.00	46.91 -4.78 8.02	31.65 -3.88 14.84	26.10 -4.20 22.67	34.35 -4.03 15.56	35.99 -4.18 13.68	64.59 -5.72 1.16	73.23 -6.05 3.06	77.83 -7.22 6.96	51.85 -4.73 0.98	49.79 -4.93 0.00	45.53 -5.06 2.39	40.92 -4.87 4.63	43.56 -4.46 0.00	43.18 -3.87 0.00
GE_PLASTICS___DRP 24183	46.05 0.74 0.00	49.48 0.81 0.00	44.76 0.86 0.00	46.31 0.86 0.00	46.83 0.80 0.00	48.04 0.79 0.00	63.32 0.64 0.00	78.63 0.90 0.00	87.23 1.15 0.00	117.11 1.37 0.00	60.42 0.71 0.00	51.01 0.65 0.00	53.61 0.65 0.00	54.55 0.61 0.00	54.57 0.72 0.00	72.35 0.87 0.00	83.21 0.87 0.00	92.71 0.69 0.00	58.40 0.84 0.00	55.55 0.83 0.00	53.89 0.90 0.00	51.36 0.93 0.00	48.94 0.92 0.00	47.89 0.83 0.00
GILBOA___1 23756	46.17 0.86 0.00	49.58 0.91 0.00	45.01 1.11 0.00	46.54 1.09 0.00	46.95 0.92 0.00	48.10 0.85 0.00	63.75 1.07 0.00	78.98 1.26 0.00	87.47 1.40 0.00	117.57 1.83 0.00	60.71 1.00 0.00	51.28 0.91 0.00	53.87 0.90 0.00	54.84 0.90 0.00	54.75 0.90 0.00	72.64 1.16 0.00	83.52 1.17 0.00	92.86 0.85 0.00	58.36 0.80 0.00	55.58 0.86 0.00	53.97 0.99 0.00	51.40 0.97 0.00	48.85 0.83 0.00	47.85 0.79 0.00
GILBOA___2 23757	46.17 0.86 0.00	49.58 0.91 0.00	45.01 1.11 0.00	46.54 1.09 0.00	46.95 0.92 0.00	48.10 0.85 0.00	63.75 1.07 0.00	78.98 1.26 0.00	87.47 1.40 0.00	117.57 1.83 0.00	60.71 1.00 0.00	51.28 0.91 0.00	53.87 0.90 0.00	54.84 0.90 0.00	54.75 0.90 0.00	72.64 1.16 0.00	83.52 1.17 0.00	92.86 0.85 0.00	58.36 0.80 0.00	55.58 0.86 0.00	53.97 0.99 0.00	51.40 0.97 0.00	48.85 0.83 0.00	47.85 0.79 0.00
GILBOA___3 23758	46.17 0.86 0.00	49.58 0.91 0.00	45.01 1.11 0.00	46.54 1.09 0.00	46.95 0.92 0.00	48.10 0.85 0.00	63.75 1.07 0.00	78.98 1.26 0.00	87.47 1.40 0.00	117.57 1.83 0.00	60.71 1.00 0.00	51.28 0.91 0.00	53.87 0.90 0.00	54.84 0.90 0.00	54.75 0.90 0.00	72.64 1.16 0.00	83.52 1.17 0.00	92.86 0.85 0.00	58.36 0.80 0.00	55.58 0.86 0.00	53.97 0.99 0.00	51.40 0.97 0.00	48.85 0.83 0.00	47.85 0.79 0.00
GILBOA___4 23759	46.17 0.86 0.00	49.58 0.91 0.00	45.01 1.11 0.00	46.54 1.09 0.00	46.95 0.92 0.00	48.10 0.85 0.00	63.75 1.07 0.00	78.98 1.26 0.00	87.47 1.40 0.00	117.57 1.83 0.00	60.71 1.00 0.00	51.28 0.91 0.00	53.87 0.90 0.00	54.84 0.90 0.00	54.75 0.90 0.00	72.64 1.16 0.00	83.52 1.17 0.00	92.86 0.85 0.00	58.36 0.80 0.00	55.58 0.86 0.00	53.97 0.99 0.00	51.40 0.97 0.00	48.85 0.83 0.00	47.85 0.79 0.00

GILBOA____ 23599	46.18 0.87 0.00	49.57 0.90 0.00	45.01 1.12 0.00	46.53 1.08 0.00	46.95 0.91 0.00	48.10 0.85 0.00	63.76 1.08 0.00	78.98 1.26 0.00	87.48 1.40 0.00	117.58 1.84 0.00	60.71 1.00 0.00	51.27 0.91 0.00	53.86 0.90 0.00	54.85 0.91 0.00	54.75 0.90 0.00	72.64 1.16 0.00	83.51 1.16 0.00	92.86 0.84 0.00	58.36 0.80 0.00	55.58 0.87 0.00	53.97 0.99 0.00	51.40 0.97 0.00	48.85 0.83 0.00	47.85 0.79 0.00
GINNA____ 23603	40.05 -3.51 1.75	45.12 -3.96 -0.40	40.62 -3.55 -0.28	42.05 -3.72 -0.32	41.29 -3.70 1.04	43.41 -3.87 -0.03	57.90 -4.78 0.00	71.44 -5.97 0.31	79.14 -6.93 0.00	106.54 -9.20 0.00	52.36 -4.84 2.51	41.74 -3.99 4.64	41.43 -4.28 7.25	44.57 -4.28 5.09	45.07 -4.29 4.50	65.43 -5.67 0.38	75.10 -6.24 1.01	82.62 -7.14 2.26	52.67 -4.60 0.30	50.12 -4.60 0.00	47.51 -4.68 0.80	44.43 -4.55 1.45	43.64 -4.38 0.00	42.94 -4.11 0.00
GLEN PARK____ 23778	47.39 0.71 -1.38	50.59 0.16 -1.75	44.92 -0.18 -1.21	46.44 -0.40 -1.38	47.28 -0.20 -1.45	47.54 0.15 -0.15	63.30 0.62 0.00	78.64 0.92 0.00	87.51 1.44 0.00	118.48 2.74 0.00	61.10 1.39 0.00	51.46 1.10 0.00	53.05 0.08 0.00	53.54 -0.40 0.00	53.20 -0.65 0.00	71.14 -0.33 0.00	82.38 0.03 0.00	91.95 -0.07 0.00	56.78 -0.77 0.00	53.65 -1.07 0.00	51.96 -1.02 0.00	49.62 -0.81 0.00	46.73 -1.29 0.00	46.19 -0.86 0.00
GLENDALE_27_KV_LOAD 356172	47.97 2.66 0.00	51.27 2.60 0.00	46.12 2.23 0.00	47.63 2.18 0.00	48.25 2.21 0.00	49.78 2.53 0.00	66.27 3.59 0.00	81.82 4.09 0.00	90.51 4.44 0.00	121.60 5.86 0.00	63.16 3.45 0.00	53.57 3.21 0.00	56.24 3.27 0.00	57.32 3.38 0.00	57.11 3.26 0.00	75.46 3.98 0.00	86.52 4.18 0.00	97.22 5.21 0.00	60.92 3.36 0.00	57.84 3.12 0.00	56.07 3.09 0.00	53.51 3.09 0.00	50.67 2.65 0.00	49.65 2.60 0.00
GLENWOOD_IC_1_G5 23712	63.45 2.47 -15.67	51.11 2.43 0.00	46.01 2.12 0.00	47.50 2.05 0.00	48.12 2.10 0.00	49.64 2.40 0.00	66.19 3.51 0.00	81.61 3.88 0.00	90.47 4.39 0.00	121.57 5.81 -0.02	79.96 3.33 -16.92	55.74 3.00 -2.38	56.00 3.02 -0.01	175.72 3.30 -118.48	60.02 2.84 -3.33	77.35 3.72 -2.16	119.41 4.10 -32.97	172.33 5.08 -75.24	117.33 3.31 -56.46	97.74 3.05 -39.97	55.98 2.99 -0.01	53.35 2.92 0.00	50.56 2.54 0.00	49.62 2.56 0.00
GLENWOOD_IC_2_G1 23688	48.31 2.33 -0.67	50.95 2.28 0.00	45.85 1.96 0.00	47.38 1.93 0.00	47.96 1.93 0.00	49.47 2.23 0.00	65.91 3.23 0.00	81.31 3.59 0.00	90.07 4.00 0.00	120.98 5.24 0.00	63.47 3.04 -0.72	53.20 2.73 -0.10	55.74 2.77 0.00	62.00 3.00 -5.06	56.62 2.63 -0.14	74.98 3.41 -0.09	87.45 3.69 -1.41	99.84 4.62 -3.21	62.99 3.02 -2.41	59.20 2.78 -1.70	55.73 2.75 0.00	53.11 2.68 0.00	50.35 2.33 0.00	49.40 2.35 0.00
GLENWOOD_IC_3_G1 23689	48.31 2.33 -0.67	50.95 2.28 0.00	45.85 1.96 0.00	47.38 1.93 0.00	47.96 1.93 0.00	49.47 2.23 0.00	65.91 3.23 0.00	81.31 3.59 0.00	90.07 4.00 0.00	120.98 5.24 0.00	63.47 3.04 -0.72	53.20 2.73 -0.10	55.74 2.77 0.00	62.00 3.00 -5.06	56.62 2.63 -0.14	74.98 3.41 -0.09	87.45 3.69 -1.41	99.84 4.62 -3.21	62.99 3.02 -2.41	59.20 2.78 -1.70	55.73 2.75 0.00	53.11 2.68 0.00	50.35 2.33 0.00	49.40 2.35 0.00
GLENWOOD____4 23550	63.45 2.47 -15.67	51.11 2.43 0.00	46.01 2.12 0.00	47.50 2.05 0.00	48.12 2.10 0.00	49.64 2.40 0.00	66.19 3.51 0.00	81.61 3.88 0.00	90.47 4.39 0.00	121.57 5.81 -0.02	79.96 3.33 -16.92	55.74 3.00 -2.38	56.00 3.02 -0.01	175.72 3.30 -118.48	60.02 2.84 -3.33	77.35 3.72 -2.16	119.41 4.10 -32.97	172.33 5.08 -75.24	117.33 3.31 -56.46	97.74 3.05 -39.97	55.98 2.99 -0.01	53.35 2.92 0.00	50.56 2.54 0.00	49.62 2.56 0.00
GLENWOOD____5 23614	63.45 2.47 -15.67	51.11 2.43 0.00	46.01 2.12 0.00	47.50 2.05 0.00	48.12 2.10 0.00	49.64 2.40 0.00	66.19 3.51 0.00	81.61 3.88 0.00	90.47 4.39 0.00	121.57 5.81 -0.02	79.96 3.33 -16.92	55.74 3.00 -2.38	56.00 3.02 -0.01	175.72 3.30 -118.48	60.02 2.84 -3.33	77.35 3.72 -2.16	119.41 4.10 -32.97	172.33 5.08 -75.24	117.33 3.31 -56.46	97.74 3.05 -39.97	55.98 2.99 -0.01	53.35 2.92 0.00	50.56 2.54 0.00	49.62 2.56 0.00
GLOBAL GREEN_PORT_GT1 23814	60.45 1.74 -13.40	50.25 1.58 0.00	45.24 1.35 0.00	46.72 1.26 0.00	47.37 1.33 0.00	49.09 1.85 0.00	66.49 3.08 -0.73	92.53 3.23 -11.57	89.92 3.84 0.00	129.17 8.01 -5.42	74.95 5.09 -10.15	57.22 4.83 -2.03	66.13 5.16 -8.00	148.02 5.32 -88.76	67.31 3.12 -10.33	87.07 2.78 -12.82	122.14 3.61 -36.18	164.07 5.01 -67.04	107.93 3.02 -47.35	92.30 2.67 -34.91	62.40 2.38 -7.05	55.30 2.34 -2.54	50.22 2.20 0.00	49.14 2.08 0.00
GLOBE____DSASP 323697	35.65 -3.99 5.67	43.99 -4.68 0.00	39.78 -4.12 0.00	40.92 -4.53 0.00	38.01 -4.26 3.77	42.36 -4.88 0.00	56.19 -6.49 0.00	68.35 -8.51 0.87	76.27 -9.80 0.00	102.78 -12.96 0.00	46.13 -6.77 6.82	32.25 -5.54 12.58	27.89 -5.89 19.19	34.97 -5.78 13.19	36.35 -5.89 11.60	62.29 -8.20 0.98	70.73 -9.02 2.60	75.50 -10.62 5.90	49.93 -6.80 0.83	47.96 -6.76 0.00	44.10 -6.84 2.04	40.24 -6.27 3.92	42.33 -5.69 0.00	42.10 -4.96 0.00
GOETHSLN____LBMP 323567	47.63 2.32 0.00	50.87 2.20 0.00	45.76 1.86 0.00	47.27 1.82 0.00	47.88 1.85 0.00	49.39 2.15 0.00	65.86 3.18 0.00	81.22 3.49 0.00	89.75 3.68 0.00	120.61 4.87 0.00	62.55 2.84 0.00	53.03 2.66 0.00	55.69 2.72 0.00	56.76 2.82 0.00	56.54 2.68 0.00	74.86 3.38 0.00	85.89 3.54 0.00	96.48 4.46 0.00	60.43 2.87 0.00	57.36 2.65 0.00	55.61 2.63 0.00	53.01 2.59 0.00	50.21 2.19 0.00	49.23 2.18 0.00
GOLAH____69_KV_TB 1_2 80279	40.42 -1.41 3.48	46.86 -1.81 0.00	42.29 -1.60 0.00	43.61 -1.85 0.00	42.09 -1.64 2.31	45.35 -1.89 0.00	60.58 -2.10 0.00	74.54 -2.66 0.53	82.73 -3.34 0.00	111.37 -4.37 0.00	53.08 -2.35 4.28	40.68 -1.88 7.80	39.11 -2.04 11.81	43.82 -1.98 8.14	44.63 -2.05 7.17	68.09 -2.77 0.61	78.00 -2.74 1.61	85.14 -3.24 3.64	54.82 -2.24 0.51	52.30 -2.42 0.00	49.08 -2.62 1.28	45.44 -2.57 2.41	45.56 -2.46 0.00	44.95 -2.11 0.00
GOODYEAR_LAKE_HYD 323669	46.27 0.96 0.00	49.57 0.90 0.00	44.77 0.87 0.00	46.28 0.82 0.00	46.83 0.80 0.00	48.17 0.92 0.00	64.23 1.55 0.00	79.63 1.91 0.00	87.91 1.84 0.00	118.24 2.50 0.00	61.11 1.40 0.00	51.64 1.27 0.00	54.24 1.28 0.00	55.29 1.35 0.00	55.12 1.27 0.00	73.20 1.73 0.00	84.34 2.00 0.00	94.25 2.23 0.00	58.85 1.29 0.00	55.76 1.04 0.00	53.97 0.99 0.00	51.28 0.86 0.00	48.62 0.60 0.00	47.60 0.54 0.00
GOUDEY_115_KV_TB6_REV_LBMP_C 345031	42.03 -0.35 2.93	48.20 -0.47 0.00	43.51 -0.38 0.00	44.98 -0.47 0.00	43.63 -0.45 1.95	46.82 -0.43 0.00	62.28 -0.39 0.00	76.60 -0.68 0.45	85.16 -0.91 0.00	114.50 -1.24 0.00	55.08 -0.68 3.95	43.22 -0.49 6.66	45.84 -0.58 6.56	50.28 -0.43 3.23	50.46 -0.53 2.86	70.57 -0.67 0.24	80.97 -0.74 0.64	89.34 -1.05 1.64	56.59 -0.59 0.39	54.07 -0.65 0.00	51.69 -0.69 0.60	47.84 -0.71 1.88	47.27 -0.75 0.00	46.38 -0.68 0.00

GOUDEY___7 23579	42.03 -0.35 2.93	48.20 -0.47 0.00	43.51 -0.38 0.00	44.98 -0.47 0.00	43.63 -0.45 1.95	46.82 -0.43 0.00	62.28 -0.39 0.00	76.60 -0.68 0.45	85.16 -0.91 0.00	114.50 -1.24 0.00	55.08 -0.68 3.95	43.22 -0.49 6.66	45.84 -0.58 6.56	50.28 -0.43 3.23	50.46 -0.53 2.86	70.57 -0.67 0.24	80.97 -0.74 0.64	89.34 -1.05 1.64	56.59 -0.59 0.39	54.07 -0.65 0.00	51.69 -0.69 0.60	47.84 -0.71 1.88	47.27 -0.75 0.00	46.38 -0.68 0.00
GOUDEY___8 23580	42.03 -0.35 2.93	48.20 -0.47 0.00	43.51 -0.38 0.00	44.98 -0.47 0.00	43.63 -0.45 1.95	46.82 -0.43 0.00	62.28 -0.39 0.00	76.60 -0.68 0.45	85.16 -0.91 0.00	114.50 -1.24 0.00	55.08 -0.68 3.95	43.22 -0.49 6.66	45.84 -0.58 6.56	50.28 -0.43 3.23	50.46 -0.53 2.86	70.57 -0.67 0.24	80.97 -0.74 0.64	89.34 -1.05 1.64	56.59 -0.59 0.39	54.07 -0.65 0.00	51.69 -0.69 0.60	47.84 -0.71 1.88	47.27 -0.75 0.00	46.38 -0.68 0.00
GOWANUS_GT1_1 24077	47.91 2.60 0.00	51.21 2.54 0.00	46.06 2.17 0.00	47.59 2.13 0.00	48.19 2.16 0.00	49.69 2.45 0.00	66.15 3.47 0.00	81.70 3.98 0.00	90.31 4.24 0.00	121.20 5.45 0.00	63.05 3.34 0.00	53.47 3.11 0.00	56.10 3.13 0.00	57.11 3.17 0.00	56.94 3.09 0.00	75.16 3.68 0.00	86.16 3.81 0.00	96.88 4.87 0.00	60.73 3.17 0.00	57.70 2.98 0.00	55.96 2.97 0.00	53.43 3.00 0.00	50.59 2.57 0.00	49.56 2.50 0.00
GOWANUS_GT1_2 24078	47.91 2.60 0.00	51.21 2.54 0.00	46.06 2.17 0.00	47.59 2.13 0.00	48.19 2.16 0.00	49.69 2.45 0.00	66.15 3.47 0.00	81.70 3.98 0.00	90.31 4.24 0.00	121.20 5.45 0.00	63.05 3.34 0.00	53.47 3.11 0.00	56.10 3.13 0.00	57.11 3.17 0.00	56.94 3.09 0.00	75.16 3.68 0.00	86.16 3.81 0.00	96.88 4.87 0.00	60.73 3.17 0.00	57.70 2.98 0.00	55.96 2.97 0.00	53.43 3.00 0.00	50.59 2.57 0.00	49.56 2.50 0.00
GOWANUS_GT1_3 24079	47.91 2.60 0.00	51.21 2.54 0.00	46.06 2.17 0.00	47.59 2.13 0.00	48.19 2.16 0.00	49.69 2.45 0.00	66.15 3.47 0.00	81.70 3.98 0.00	90.31 4.24 0.00	121.20 5.45 0.00	63.05 3.34 0.00	53.47 3.11 0.00	56.10 3.13 0.00	57.11 3.17 0.00	56.94 3.09 0.00	75.16 3.68 0.00	86.16 3.81 0.00	96.88 4.87 0.00	60.73 3.17 0.00	57.70 2.98 0.00	55.96 2.97 0.00	53.43 3.00 0.00	50.59 2.57 0.00	49.56 2.50 0.00
GOWANUS_GT1_4 24080	47.91 2.60 0.00	51.21 2.54 0.00	46.06 2.17 0.00	47.59 2.13 0.00	48.19 2.16 0.00	49.69 2.45 0.00	66.15 3.47 0.00	81.70 3.98 0.00	90.31 4.24 0.00	121.20 5.45 0.00	63.05 3.34 0.00	53.47 3.11 0.00	56.10 3.13 0.00	57.11 3.17 0.00	56.94 3.09 0.00	75.16 3.68 0.00	86.16 3.81 0.00	96.88 4.87 0.00	60.73 3.17 0.00	57.70 2.98 0.00	55.96 2.97 0.00	53.43 3.00 0.00	50.59 2.57 0.00	49.56 2.50 0.00
GOWANUS_GT1_5 24084	47.91 2.60 0.00	51.21 2.54 0.00	46.06 2.17 0.00	47.59 2.13 0.00	48.19 2.16 0.00	49.69 2.45 0.00	66.15 3.47 0.00	81.70 3.98 0.00	90.31 4.24 0.00	121.20 5.45 0.00	63.05 3.34 0.00	53.47 3.11 0.00	56.10 3.13 0.00	57.11 3.17 0.00	56.94 3.09 0.00	75.16 3.68 0.00	86.16 3.81 0.00	96.88 4.87 0.00	60.73 3.17 0.00	57.70 2.98 0.00	55.96 2.97 0.00	53.43 3.00 0.00	50.59 2.57 0.00	49.56 2.50 0.00
GOWANUS_GT1_6 24111	47.91 2.60 0.00	51.21 2.54 0.00	46.06 2.17 0.00	47.59 2.13 0.00	48.19 2.16 0.00	49.69 2.45 0.00	66.15 3.47 0.00	81.70 3.98 0.00	90.31 4.24 0.00	121.20 5.45 0.00	63.05 3.34 0.00	53.47 3.11 0.00	56.10 3.13 0.00	57.11 3.17 0.00	56.94 3.09 0.00	75.16 3.68 0.00	86.16 3.81 0.00	96.88 4.87 0.00	60.73 3.17 0.00	57.70 2.98 0.00	55.96 2.97 0.00	53.43 3.00 0.00	50.59 2.57 0.00	49.56 2.50 0.00
GOWANUS_GT1_7 24112	47.91 2.60 0.00	51.21 2.54 0.00	46.06 2.17 0.00	47.59 2.13 0.00	48.19 2.16 0.00	49.69 2.45 0.00	66.15 3.47 0.00	81.70 3.98 0.00	90.31 4.24 0.00	121.20 5.45 0.00	63.05 3.34 0.00	53.47 3.11 0.00	56.10 3.13 0.00	57.11 3.17 0.00	56.94 3.09 0.00	75.16 3.68 0.00	86.16 3.81 0.00	96.88 4.87 0.00	60.73 3.17 0.00	57.70 2.98 0.00	55.96 2.97 0.00	53.43 3.00 0.00	50.59 2.57 0.00	49.56 2.50 0.00
GOWANUS_GT1_8 24113	47.91 2.60 0.00	51.21 2.54 0.00	46.06 2.17 0.00	47.59 2.13 0.00	48.19 2.16 0.00	49.69 2.45 0.00	66.15 3.47 0.00	81.70 3.98 0.00	90.31 4.24 0.00	121.20 5.45 0.00	63.05 3.34 0.00	53.47 3.11 0.00	56.10 3.13 0.00	57.11 3.17 0.00	56.94 3.09 0.00	75.16 3.68 0.00	86.16 3.81 0.00	96.88 4.87 0.00	60.73 3.17 0.00	57.70 2.98 0.00	55.96 2.97 0.00	53.43 3.00 0.00	50.59 2.57 0.00	49.56 2.50 0.00
GOWANUS_GT2_1 24114	47.92 2.60 0.00	51.23 2.56 0.00	46.06 2.17 0.00	47.60 2.15 0.00	48.20 2.16 0.00	49.69 2.45 0.00	66.14 3.47 0.00	81.71 3.99 0.00	90.34 4.27 0.00	121.22 5.48 0.00	63.12 3.40 0.00	53.48 3.11 0.00	56.14 3.17 0.00	57.13 3.19 0.00	56.95 3.09 0.00	75.16 3.68 0.00	86.17 3.82 0.00	96.88 4.87 0.00	60.74 3.18 0.00	57.70 2.99 0.00	55.96 2.98 0.00	53.43 3.00 0.00	50.59 2.57 0.00	49.56 2.50 0.00
GOWANUS_GT2_2 24115	47.92 2.60 0.00	51.23 2.56 0.00	46.06 2.17 0.00	47.60 2.15 0.00	48.20 2.16 0.00	49.69 2.45 0.00	66.14 3.47 0.00	81.71 3.99 0.00	90.34 4.27 0.00	121.22 5.48 0.00	63.12 3.40 0.00	53.48 3.11 0.00	56.14 3.17 0.00	57.13 3.19 0.00	56.95 3.09 0.00	75.16 3.68 0.00	86.17 3.82 0.00	96.88 4.87 0.00	60.74 3.18 0.00	57.70 2.99 0.00	55.96 2.98 0.00	53.43 3.00 0.00	50.59 2.57 0.00	49.56 2.50 0.00
GOWANUS_GT2_3 24116	47.92 2.60 0.00	51.23 2.56 0.00	46.06 2.17 0.00	47.60 2.15 0.00	48.20 2.16 0.00	49.69 2.45 0.00	66.14 3.47 0.00	81.71 3.99 0.00	90.34 4.27 0.00	121.22 5.48 0.00	63.12 3.40 0.00	53.48 3.11 0.00	56.14 3.17 0.00	57.13 3.19 0.00	56.95 3.09 0.00	75.16 3.68 0.00	86.17 3.82 0.00	96.88 4.87 0.00	60.74 3.18 0.00	57.70 2.99 0.00	55.96 2.98 0.00	53.43 3.00 0.00	50.59 2.57 0.00	49.56 2.50 0.00
GOWANUS_GT2_4 24117	47.92 2.60 0.00	51.23 2.56 0.00	46.06 2.17 0.00	47.60 2.15 0.00	48.20 2.16 0.00	49.69 2.45 0.00	66.14 3.47 0.00	81.71 3.99 0.00	90.34 4.27 0.00	121.22 5.48 0.00	63.12 3.40 0.00	53.48 3.11 0.00	56.14 3.17 0.00	57.13 3.19 0.00	56.95 3.09 0.00	75.16 3.68 0.00	86.17 3.82 0.00	96.88 4.87 0.00	60.74 3.18 0.00	57.70 2.99 0.00	55.96 2.98 0.00	53.43 3.00 0.00	50.59 2.57 0.00	49.56 2.50 0.00
GOWANUS_GT2_5 24118	47.92 2.60 0.00	51.23 2.56 0.00	46.06 2.17 0.00	47.60 2.15 0.00	48.20 2.16 0.00	49.69 2.45 0.00	66.14 3.47 0.00	81.71 3.99 0.00	90.34 4.27 0.00	121.22 5.48 0.00	63.12 3.40 0.00	53.48 3.11 0.00	56.14 3.17 0.00	57.13 3.19 0.00	56.95 3.09 0.00	75.16 3.68 0.00	86.17 3.82 0.00	96.88 4.87 0.00	60.74 3.18 0.00	57.70 2.99 0.00	55.96 2.98 0.00	53.43 3.00 0.00	50.59 2.57 0.00	49.56 2.50 0.00

GOWANUS_GT2_6 24119	47.92 2.60 0.00	51.23 2.56 0.00	46.06 2.17 0.00	47.60 2.15 0.00	48.20 2.16 0.00	49.69 2.45 0.00	66.14 3.47 0.00	81.71 3.99 0.00	90.34 4.27 0.00	121.22 5.48 0.00	63.12 3.40 0.00	53.48 3.11 0.00	56.14 3.17 0.00	57.13 3.19 0.00	56.95 3.09 0.00	75.16 3.68 0.00	86.17 3.82 0.00	96.88 4.87 0.00	60.74 3.18 0.00	57.70 2.99 0.00	55.96 2.98 0.00	53.43 3.00 0.00	50.59 2.57 0.00	49.56 2.50 0.00
GOWANUS_GT2_7 24120	47.92 2.60 0.00	51.23 2.56 0.00	46.06 2.17 0.00	47.60 2.15 0.00	48.20 2.16 0.00	49.69 2.45 0.00	66.14 3.47 0.00	81.71 3.99 0.00	90.34 4.27 0.00	121.22 5.48 0.00	63.12 3.40 0.00	53.48 3.11 0.00	56.14 3.17 0.00	57.13 3.19 0.00	56.95 3.09 0.00	75.16 3.68 0.00	86.17 3.82 0.00	96.88 4.87 0.00	60.74 3.18 0.00	57.70 2.99 0.00	55.96 2.98 0.00	53.43 3.00 0.00	50.59 2.57 0.00	49.56 2.50 0.00
GOWANUS_GT2_8 24121	47.92 2.60 0.00	51.23 2.56 0.00	46.06 2.17 0.00	47.60 2.15 0.00	48.20 2.16 0.00	49.69 2.45 0.00	66.14 3.47 0.00	81.71 3.99 0.00	90.34 4.27 0.00	121.22 5.48 0.00	63.12 3.40 0.00	53.48 3.11 0.00	56.14 3.17 0.00	57.13 3.19 0.00	56.95 3.09 0.00	75.16 3.68 0.00	86.17 3.82 0.00	96.88 4.87 0.00	60.74 3.18 0.00	57.70 2.99 0.00	55.96 2.98 0.00	53.43 3.00 0.00	50.59 2.57 0.00	49.56 2.50 0.00
GOWANUS_GT3_1 24122	47.92 2.60 0.00	51.23 2.56 0.00	46.06 2.17 0.00	47.60 2.15 0.00	48.20 2.16 0.00	49.69 2.45 0.00	66.14 3.47 0.00	81.71 3.99 0.00	90.34 4.27 0.00	121.22 5.48 0.00	63.12 3.40 0.00	53.48 3.11 0.00	56.14 3.17 0.00	57.13 3.19 0.00	56.95 3.09 0.00	75.16 3.68 0.00	86.17 3.82 0.00	96.88 4.87 0.00	60.74 3.18 0.00	57.70 2.99 0.00	55.96 2.98 0.00	53.43 3.00 0.00	50.59 2.57 0.00	49.56 2.50 0.00
GOWANUS_GT3_2 24123	47.92 2.60 0.00	51.23 2.56 0.00	46.06 2.17 0.00	47.60 2.15 0.00	48.20 2.16 0.00	49.69 2.45 0.00	66.14 3.47 0.00	81.71 3.99 0.00	90.34 4.27 0.00	121.22 5.48 0.00	63.12 3.40 0.00	53.48 3.11 0.00	56.14 3.17 0.00	57.13 3.19 0.00	56.95 3.09 0.00	75.16 3.68 0.00	86.17 3.82 0.00	96.88 4.87 0.00	60.74 3.18 0.00	57.70 2.99 0.00	55.96 2.98 0.00	53.43 3.00 0.00	50.59 2.57 0.00	49.56 2.50 0.00
GOWANUS_GT3_3 24124	47.92 2.60 0.00	51.23 2.56 0.00	46.06 2.17 0.00	47.60 2.15 0.00	48.20 2.16 0.00	49.69 2.45 0.00	66.14 3.47 0.00	81.71 3.99 0.00	90.34 4.27 0.00	121.22 5.48 0.00	63.12 3.40 0.00	53.48 3.11 0.00	56.14 3.17 0.00	57.13 3.19 0.00	56.95 3.09 0.00	75.16 3.68 0.00	86.17 3.82 0.00	96.88 4.87 0.00	60.74 3.18 0.00	57.70 2.99 0.00	55.96 2.98 0.00	53.43 3.00 0.00	50.59 2.57 0.00	49.56 2.50 0.00
GOWANUS_GT3_4 24125	47.92 2.60 0.00	51.23 2.56 0.00	46.06 2.17 0.00	47.60 2.15 0.00	48.20 2.16 0.00	49.69 2.45 0.00	66.14 3.47 0.00	81.71 3.99 0.00	90.34 4.27 0.00	121.22 5.48 0.00	63.12 3.40 0.00	53.48 3.11 0.00	56.14 3.17 0.00	57.13 3.19 0.00	56.95 3.09 0.00	75.16 3.68 0.00	86.17 3.82 0.00	96.88 4.87 0.00	60.74 3.18 0.00	57.70 2.99 0.00	55.96 2.98 0.00	53.43 3.00 0.00	50.59 2.57 0.00	49.56 2.50 0.00
GOWANUS_GT3_5 24126	47.92 2.60 0.00	51.23 2.56 0.00	46.06 2.17 0.00	47.60 2.15 0.00	48.20 2.16 0.00	49.69 2.45 0.00	66.14 3.47 0.00	81.71 3.99 0.00	90.34 4.27 0.00	121.22 5.48 0.00	63.12 3.40 0.00	53.48 3.11 0.00	56.14 3.17 0.00	57.13 3.19 0.00	56.95 3.09 0.00	75.16 3.68 0.00	86.17 3.82 0.00	96.88 4.87 0.00	60.74 3.18 0.00	57.70 2.99 0.00	55.96 2.98 0.00	53.43 3.00 0.00	50.59 2.57 0.00	49.56 2.50 0.00
GOWANUS_GT3_6 24127	47.92 2.60 0.00	51.23 2.56 0.00	46.06 2.17 0.00	47.60 2.15 0.00	48.20 2.16 0.00	49.69 2.45 0.00	66.14 3.47 0.00	81.71 3.99 0.00	90.34 4.27 0.00	121.22 5.48 0.00	63.12 3.40 0.00	53.48 3.11 0.00	56.14 3.17 0.00	57.13 3.19 0.00	56.95 3.09 0.00	75.16 3.68 0.00	86.17 3.82 0.00	96.88 4.87 0.00	60.74 3.18 0.00	57.70 2.99 0.00	55.96 2.98 0.00	53.43 3.00 0.00	50.59 2.57 0.00	49.56 2.50 0.00
GOWANUS_GT3_7 24128	47.92 2.60 0.00	51.23 2.56 0.00	46.06 2.17 0.00	47.60 2.15 0.00	48.20 2.16 0.00	49.69 2.45 0.00	66.14 3.47 0.00	81.71 3.99 0.00	90.34 4.27 0.00	121.22 5.48 0.00	63.12 3.40 0.00	53.48 3.11 0.00	56.14 3.17 0.00	57.13 3.19 0.00	56.95 3.09 0.00	75.16 3.68 0.00	86.17 3.82 0.00	96.88 4.87 0.00	60.74 3.18 0.00	57.70 2.99 0.00	55.96 2.98 0.00	53.43 3.00 0.00	50.59 2.57 0.00	49.56 2.50 0.00
GOWANUS_GT3_8 24129	47.92 2.60 0.00	51.23 2.56 0.00	46.06 2.17 0.00	47.60 2.15 0.00	48.20 2.16 0.00	49.69 2.45 0.00	66.14 3.47 0.00	81.71 3.99 0.00	90.34 4.27 0.00	121.22 5.48 0.00	63.12 3.40 0.00	53.48 3.11 0.00	56.14 3.17 0.00	57.13 3.19 0.00	56.95 3.09 0.00	75.16 3.68 0.00	86.17 3.82 0.00	96.88 4.87 0.00	60.74 3.18 0.00	57.70 2.99 0.00	55.96 2.98 0.00	53.43 3.00 0.00	50.59 2.57 0.00	49.56 2.50 0.00
GOWANUS_GT4_1 24130	47.91 2.60 0.00	51.21 2.54 0.00	46.06 2.17 0.00	47.59 2.13 0.00	48.19 2.16 0.00	49.69 2.45 0.00	66.15 3.47 0.00	81.70 3.98 0.00	90.31 4.24 0.00	121.20 5.45 0.00	63.05 3.34 0.00	53.47 3.11 0.00	56.10 3.13 0.00	57.11 3.17 0.00	56.94 3.09 0.00	75.16 3.68 0.00	86.16 3.81 0.00	96.88 4.87 0.00	60.73 3.17 0.00	57.70 2.98 0.00	55.96 2.97 0.00	53.43 3.00 0.00	50.59 2.57 0.00	49.56 2.50 0.00
GOWANUS_GT4_2 24131	47.91 2.60 0.00	51.21 2.54 0.00	46.06 2.17 0.00	47.59 2.13 0.00	48.19 2.16 0.00	49.69 2.45 0.00	66.15 3.47 0.00	81.70 3.98 0.00	90.31 4.24 0.00	121.20 5.45 0.00	63.05 3.34 0.00	53.47 3.11 0.00	56.10 3.13 0.00	57.11 3.17 0.00	56.94 3.09 0.00	75.16 3.68 0.00	86.16 3.81 0.00	96.88 4.87 0.00	60.73 3.17 0.00	57.70 2.98 0.00	55.96 2.97 0.00	53.43 3.00 0.00	50.59 2.57 0.00	49.56 2.50 0.00
GOWANUS_GT4_3 24132	47.91 2.60 0.00	51.21 2.54 0.00	46.06 2.17 0.00	47.59 2.13 0.00	48.19 2.16 0.00	49.69 2.45 0.00	66.15 3.47 0.00	81.70 3.98 0.00	90.31 4.24 0.00	121.20 5.45 0.00	63.05 3.34 0.00	53.47 3.11 0.00	56.10 3.13 0.00	57.11 3.17 0.00	56.94 3.09 0.00	75.16 3.68 0.00	86.16 3.81 0.00	96.88 4.87 0.00	60.73 3.17 0.00	57.70 2.98 0.00	55.96 2.97 0.00	53.43 3.00 0.00	50.59 2.57 0.00	49.56 2.50 0.00
GOWANUS_GT4_4 24133	47.91 2.60 0.00	51.21 2.54 0.00	46.06 2.17 0.00	47.59 2.13 0.00	48.19 2.16 0.00	49.69 2.45 0.00	66.15 3.47 0.00	81.70 3.98 0.00	90.31 4.24 0.00	121.20 5.45 0.00	63.05 3.34 0.00	53.47 3.11 0.00	56.10 3.13 0.00	57.11 3.17 0.00	56.94 3.09 0.00	75.16 3.68 0.00	86.16 3.81 0.00	96.88 4.87 0.00	60.73 3.17 0.00	57.70 2.98 0.00	55.96 2.97 0.00	53.43 3.00 0.00	50.59 2.57 0.00	49.56 2.50 0.00

GOWANUS_GT4_5 24134	47.91 2.60 0.00	51.21 2.54 0.00	46.06 2.17 0.00	47.59 2.13 0.00	48.19 2.16 0.00	49.69 2.45 0.00	66.15 3.47 0.00	81.70 3.98 0.00	90.31 4.24 0.00	121.20 5.45 0.00	63.05 3.34 0.00	53.47 3.11 0.00	56.10 3.13 0.00	57.11 3.17 0.00	56.94 3.09 0.00	75.16 3.68 0.00	86.16 3.81 0.00	96.88 4.87 0.00	60.73 3.17 0.00	57.70 2.98 0.00	55.96 2.97 0.00	53.43 3.00 0.00	50.59 2.57 0.00	49.56 2.50 0.00
GOWANUS_GT4_6 24135	47.91 2.60 0.00	51.21 2.54 0.00	46.06 2.17 0.00	47.59 2.13 0.00	48.19 2.16 0.00	49.69 2.45 0.00	66.15 3.47 0.00	81.70 3.98 0.00	90.31 4.24 0.00	121.20 5.45 0.00	63.05 3.34 0.00	53.47 3.11 0.00	56.10 3.13 0.00	57.11 3.17 0.00	56.94 3.09 0.00	75.16 3.68 0.00	86.16 3.81 0.00	96.88 4.87 0.00	60.73 3.17 0.00	57.70 2.98 0.00	55.96 2.97 0.00	53.43 3.00 0.00	50.59 2.57 0.00	49.56 2.50 0.00
GOWANUS_GT4_7 24136	47.91 2.60 0.00	51.21 2.54 0.00	46.06 2.17 0.00	47.59 2.13 0.00	48.19 2.16 0.00	49.69 2.45 0.00	66.15 3.47 0.00	81.70 3.98 0.00	90.31 4.24 0.00	121.20 5.45 0.00	63.05 3.34 0.00	53.47 3.11 0.00	56.10 3.13 0.00	57.11 3.17 0.00	56.94 3.09 0.00	75.16 3.68 0.00	86.16 3.81 0.00	96.88 4.87 0.00	60.73 3.17 0.00	57.70 2.98 0.00	55.96 2.97 0.00	53.43 3.00 0.00	50.59 2.57 0.00	49.56 2.50 0.00
GOWANUS_GT4_8 24137	47.91 2.60 0.00	51.21 2.54 0.00	46.06 2.17 0.00	47.59 2.13 0.00	48.19 2.16 0.00	49.69 2.45 0.00	66.15 3.47 0.00	81.70 3.98 0.00	90.31 4.24 0.00	121.20 5.45 0.00	63.05 3.34 0.00	53.47 3.11 0.00	56.10 3.13 0.00	57.11 3.17 0.00	56.94 3.09 0.00	75.16 3.68 0.00	86.16 3.81 0.00	96.88 4.87 0.00	60.73 3.17 0.00	57.70 2.98 0.00	55.96 2.97 0.00	53.43 3.00 0.00	50.59 2.57 0.00	49.56 2.50 0.00
GREATVRV_69_KV_BK1 356245	61.09 3.13 -12.64	51.69 3.02 0.00	46.59 2.69 0.00	48.02 2.57 0.00	48.69 2.66 0.00	50.36 3.12 0.00	67.85 4.63 -0.54	91.37 5.10 -8.54	91.74 5.66 0.00	127.84 8.09 -4.00	74.67 4.50 -10.46	56.18 3.90 -1.92	62.93 4.05 -5.91	144.67 4.40 -86.32	65.57 3.50 -8.22	86.11 4.78 -9.84	120.38 5.53 -32.50	161.65 6.92 -62.71	106.92 4.49 -44.87	91.65 4.15 -32.79	62.18 4.00 -5.20	56.08 3.78 -1.88	51.39 3.38 0.00	50.52 3.46 0.00
GREENBSH_115KV_TB3 55895	45.96 0.65 0.00	49.39 0.71 0.00	44.71 0.82 0.00	46.25 0.79 0.00	46.78 0.75 0.00	47.96 0.72 0.00	63.03 0.34 0.00	78.38 0.65 0.00	87.00 0.92 0.00	116.74 1.00 0.00	60.23 0.51 0.00	50.88 0.51 0.00	53.47 0.50 0.00	54.36 0.42 0.00	54.46 0.60 0.00	72.12 0.64 0.00	82.93 0.59 0.00	92.31 0.29 0.00	58.28 0.72 0.00	55.43 0.71 0.00	53.79 0.81 0.00	51.30 0.87 0.00	48.95 0.93 0.00	47.86 0.81 0.00
GREENDGE_115KV_TB5 80291	16.21 -1.63 27.47	46.77 -1.90 0.00	42.12 -1.78 0.00	43.41 -2.04 0.00	25.92 -1.89 18.22	45.44 -1.81 0.00	60.63 -2.05 0.00	70.59 -2.92 4.22	83.13 -2.94 0.00	111.09 -4.65 0.00	20.52 -3.12 36.07	-14.83 -2.54 62.65	-35.56 -2.70 85.82	-4.57 -2.29 56.22	1.82 -2.64 49.40	63.98 -3.30 4.19	67.85 -3.44 11.06	62.51 -3.89 25.62	51.28 -2.23 4.05	52.30 -2.42 0.00	40.44 -2.89 9.65	28.61 -2.90 18.91	45.32 -2.69 0.00	44.64 -2.42 0.00
GREENIDGE___3 23582	16.21 -1.63 27.47	46.77 -1.90 0.00	42.12 -1.78 0.00	43.41 -2.04 0.00	25.92 -1.89 18.22	45.44 -1.81 0.00	60.63 -2.05 0.00	70.59 -2.92 4.22	83.13 -2.94 0.00	111.09 -4.65 0.00	20.52 -3.12 36.07	-14.83 -2.54 62.65	-35.56 -2.70 85.82	-4.57 -2.29 56.22	1.82 -2.64 49.40	63.98 -3.30 4.19	67.85 -3.44 11.06	62.51 -3.89 25.62	51.28 -2.23 4.05	52.30 -2.42 0.00	40.44 -2.89 9.65	28.61 -2.90 18.91	45.32 -2.69 0.00	44.64 -2.42 0.00
GREENIDGE___4 23583	16.16 -1.68 27.47	46.81 -1.86 0.00	42.11 -1.78 0.00	43.50 -1.95 0.00	25.89 -1.92 18.22	45.44 -1.81 0.00	60.63 -2.05 0.00	70.57 -2.95 4.22	83.13 -2.94 0.00	111.08 -4.67 0.00	20.41 -3.23 36.07	-14.99 -2.70 62.65	-35.75 -2.89 85.82	-4.70 -2.43 56.22	1.73 -2.73 49.40	63.99 -3.30 4.19	67.81 -3.48 11.06	62.43 -3.97 25.62	51.27 -2.24 4.05	52.29 -2.43 0.00	40.42 -2.91 9.65	28.59 -2.92 18.91	45.32 -2.69 0.00	44.64 -2.42 0.00
GREENLWN_69_KV_BK 3 55738	52.75 2.08 -5.36	50.77 2.10 0.00	45.74 1.85 0.00	47.18 1.72 0.00	47.81 1.78 0.00	49.34 2.09 0.00	65.00 2.97 0.64	70.65 3.03 10.10	89.75 3.67 0.00	115.81 4.78 4.71	72.24 2.97 -9.56	53.80 2.62 -0.82	48.54 2.55 6.97	108.46 2.96 -51.55	50.57 2.12 5.39	65.48 2.85 8.85	89.86 3.22 -4.30	119.59 4.19 -23.38	80.46 2.79 -20.12	70.31 2.56 -13.04	49.34 2.51 6.14	50.77 2.56 2.22	50.35 2.34 0.00	49.59 2.53 0.00
GREENWD_138_KV_38B11_REV_LBMP_J 345004	47.91 2.60 0.00	51.21 2.54 0.00	46.06 2.17 0.00	47.59 2.13 0.00	48.19 2.16 0.00	49.69 2.45 0.00	66.15 3.47 0.00	81.70 3.98 0.00	90.31 4.24 0.00	121.20 5.45 0.00	63.05 3.34 0.00	53.47 3.11 0.00	56.10 3.13 0.00	57.11 3.17 0.00	56.94 3.09 0.00	75.16 3.68 0.00	86.16 3.81 0.00	96.88 4.87 0.00	60.73 3.17 0.00	57.70 2.98 0.00	55.96 2.97 0.00	53.43 3.00 0.00	50.59 2.57 0.00	49.56 2.50 0.00
GRISSOM___SOLAR 323813	46.50 1.19 0.00	49.91 1.23 0.00	44.98 1.08 0.00	46.50 1.04 0.00	47.11 1.08 0.00	48.48 1.24 0.00	64.54 1.86 0.00	80.27 2.55 0.00	88.72 2.64 0.00	119.23 3.49 0.00	61.48 1.77 0.00	51.66 1.30 0.00	54.47 1.51 0.00	55.38 1.44 0.00	55.48 1.63 0.00	73.66 2.18 0.00	84.79 2.45 0.00	94.94 2.92 0.00	59.32 1.76 0.00	56.21 1.49 0.00	54.34 1.36 0.00	51.69 1.26 0.00	49.09 1.07 0.00	48.03 0.97 0.00
GROVEVILLE___HYD 323602	47.70 2.38 0.00	51.04 2.36 0.00	45.97 2.08 0.00	47.50 2.04 0.00	48.11 2.08 0.00	49.59 2.34 0.00	66.10 3.43 0.00	81.71 3.99 0.00	90.34 4.26 0.00	121.45 5.70 0.00	62.76 3.05 0.00	53.05 2.69 0.00	55.56 2.60 0.00	56.50 2.56 0.00	56.29 2.44 0.00	74.66 3.18 0.00	85.87 3.52 0.00	96.32 4.30 0.00	60.38 2.82 0.00	57.31 2.59 0.00	55.63 2.65 0.00	53.19 2.76 0.00	50.41 2.39 0.00	49.35 2.30 0.00
GRS_LOCK_115KV_LINE_2_SOLVAY 80269	47.17 -0.65 -2.52	49.62 -0.80 -1.74	44.39 -0.71 -1.21	46.02 -0.80 -1.38	47.48 -0.76 -2.20	46.59 -0.79 -0.15	61.77 -0.91 0.00	76.76 -1.15 -0.18	84.78 -1.29 0.00	114.02 -1.72 0.00	60.28 -0.94 -1.51	52.18 -0.76 -2.58	53.53 -0.85 -1.41	53.12 -0.82 0.00	53.00 -0.85 0.00	70.40 -1.07 0.00	81.17 -1.17 0.00	90.78 -1.43 -0.19	56.85 -0.90 -0.19	53.76 -0.96 0.00	51.96 -1.02 0.00	50.06 -1.02 -0.66	47.00 -1.02 0.00	46.03 -1.02 0.00
HAMLTNNY_34_KV_TB 80303	46.10 -0.56 -1.35	49.68 -0.71 -1.72	44.42 -0.66 -1.19	46.05 -0.76 -1.36	46.78 -0.67 -1.42	46.68 -0.71 -0.14	61.89 -0.79 0.00	76.89 -1.00 -0.17	84.90 -1.18 0.00	114.06 -1.68 0.00	60.19 -0.93 -1.41	52.00 -0.77 -2.40	53.45 -0.84 -1.31	53.16 -0.78 0.00	53.03 -0.83 0.00	70.45 -1.03 0.00	81.27 -1.07 0.00	90.90 -1.29 -0.18	56.94 -0.80 -0.17	53.83 -0.89 0.00	52.00 -0.98 0.00	49.44 -0.99 0.00	47.04 -0.98 0.00	46.11 -0.95 0.00

HAMPSHIRE___PAPER_HYD 323593	46.47 0.65 -0.51	49.65 0.33 -0.65	44.40 0.05 -0.45	45.96 -0.01 -0.52	46.71 0.14 -0.54	47.55 0.25 -0.06	63.29 0.61 0.00	78.52 0.79 0.00	87.21 1.13 0.00	118.02 2.28 0.00	60.96 1.25 0.00	51.19 0.83 0.00	53.35 0.39 0.00	54.03 0.09 0.00	53.88 0.03 0.00	71.31 -0.16 0.00	82.23 -0.12 0.00	91.77 -0.25 0.00	56.79 -0.77 0.00	53.95 -0.76 0.00	52.56 -0.42 0.00	50.53 0.10 0.00	47.92 -0.10 0.00	47.24 0.18 0.00
HARDSCRABBLE_WT_PWR 323673	48.28 2.97 0.00	51.88 3.20 0.00	46.80 2.91 0.00	48.42 2.97 0.00	49.09 3.06 0.00	50.51 3.26 0.00	66.70 4.03 0.00	82.83 5.10 0.00	91.82 5.74 0.00	123.34 7.59 0.00	63.66 3.95 0.00	53.55 3.19 0.00	56.21 3.24 0.00	57.31 3.37 0.00	57.38 3.53 0.00	76.13 4.65 0.00	87.62 5.27 0.00	97.27 5.26 0.00	61.04 3.48 0.00	57.80 3.08 0.00	55.98 3.00 0.00	53.34 2.91 0.00	50.72 2.70 0.00	49.49 2.43 0.00
HARRIMAN_69_KV_BK771_REV_LBMP_G 345025	47.47 2.16 0.00	50.79 2.12 0.00	45.71 1.82 0.00	47.24 1.79 0.00	47.84 1.81 0.00	49.31 2.06 0.00	65.80 3.12 0.00	81.19 3.46 0.00	89.50 3.42 0.00	120.69 4.95 0.00	62.43 2.72 0.00	52.86 2.50 0.00	55.47 2.50 0.00	56.50 2.56 0.00	56.30 2.45 0.00	74.70 3.22 0.00	85.96 3.62 0.00	96.54 4.52 0.00	60.45 2.89 0.00	57.34 2.62 0.00	55.53 2.55 0.00	52.89 2.46 0.00	50.12 2.10 0.00	49.03 1.97 0.00
HARSNRAD_115KV_TB1 81005	36.49 -3.17 5.65	44.90 -3.77 0.00	40.56 -3.33 0.00	41.73 -3.73 0.00	38.80 -3.48 3.75	43.12 -4.13 0.00	57.38 -5.30 0.00	70.05 -6.81 0.86	78.09 -7.98 0.00	105.23 -10.51 0.00	47.65 -5.33 6.73	33.59 -4.29 12.48	29.31 -4.59 19.06	36.24 -4.61 13.09	37.63 -4.71 11.51	63.82 -6.68 0.98	72.65 -7.12 2.58	77.86 -8.30 5.86	51.26 -5.48 0.83	49.12 -5.60 0.00	45.28 -5.66 2.04	41.16 -5.36 3.91	43.02 -5.00 0.00	42.73 -4.33 0.00
HARZA MOOSE___RIVER 24016	46.61 0.95 -0.35	49.67 0.55 -0.45	44.47 0.27 -0.31	45.97 0.17 -0.35	46.69 0.28 -0.37	47.82 0.54 -0.04	63.60 0.92 0.00	78.66 0.93 0.00	87.35 1.27 0.00	118.25 2.51 0.00	61.01 1.30 0.00	51.39 1.03 0.00	53.42 0.45 0.00	54.03 0.09 0.00	54.10 0.24 0.00	72.00 0.52 0.00	83.29 0.95 0.00	93.12 1.10 0.00	57.71 0.15 0.00	54.64 -0.08 0.00	52.95 -0.03 0.00	50.66 0.23 0.00	47.90 -0.12 0.00	47.18 0.13 0.00
HDSNBRDG_115KV_BRDG_TB1 355580	44.32 -0.99 0.00	47.50 -1.17 0.00	42.88 -1.02 0.00	44.33 -1.12 0.00	44.94 -1.09 0.00	46.10 -1.15 0.00	61.26 -1.41 0.00	75.99 -1.73 0.00	84.16 -1.92 0.00	113.21 -2.53 0.00	58.36 -1.35 0.00	49.28 -1.08 0.00	51.76 -1.20 0.00	52.76 -1.18 0.00	52.63 -1.22 0.00	69.95 -1.52 0.00	80.64 -1.71 0.00	89.94 -2.08 0.00	56.23 -1.33 0.00	53.36 -1.36 0.00	51.59 -1.40 0.00	49.06 -1.37 0.00	46.64 -1.38 0.00	45.69 -1.37 0.00
HELLGATE_13_KV_LD 55870	48.06 2.75 0.00	51.36 2.69 0.00	46.22 2.33 0.00	47.75 2.29 0.00	48.35 2.32 0.00	49.88 2.64 0.00	66.43 3.75 0.00	82.04 4.31 0.00	90.76 4.69 0.00	121.88 6.14 0.00	63.34 3.63 0.00	53.72 3.36 0.00	56.37 3.40 0.00	57.46 3.52 0.00	57.26 3.41 0.00	75.61 4.14 0.00	86.75 4.40 0.00	97.45 5.43 0.00	61.08 3.52 0.00	57.99 3.27 0.00	56.21 3.23 0.00	53.63 3.21 0.00	50.77 2.76 0.00	49.75 2.69 0.00
HELLGT_W_13_KV_BRUCKNER_REV_LBMP_J 345018	48.06 2.75 0.00	51.36 2.69 0.00	46.22 2.33 0.00	47.75 2.29 0.00	48.35 2.32 0.00	49.88 2.64 0.00	66.43 3.75 0.00	82.04 4.31 0.00	90.76 4.69 0.00	121.88 6.14 0.00	63.34 3.63 0.00	53.72 3.36 0.00	56.37 3.40 0.00	57.46 3.52 0.00	57.26 3.41 0.00	75.61 4.14 0.00	86.75 4.40 0.00	97.45 5.43 0.00	61.08 3.52 0.00	57.99 3.27 0.00	56.21 3.23 0.00	53.63 3.21 0.00	50.77 2.76 0.00	49.75 2.69 0.00
HEMPSTEAD___ 23647	61.12 2.25 -13.56	50.86 2.18 0.00	45.79 1.90 0.00	47.28 1.83 0.00	47.89 1.86 0.00	49.42 2.17 0.00	65.85 3.18 0.00	81.13 3.41 0.00	90.04 3.97 0.00	121.04 5.28 -0.01	77.48 3.12 -14.64	55.21 2.78 -2.06	55.76 2.78 -0.01	159.57 3.12 -102.50	59.22 2.49 -2.88	76.65 3.31 -1.87	114.51 3.62 -28.53	161.72 4.58 -65.12	109.47 3.04 -48.87	92.15 2.83 -34.59	55.76 2.78 0.00	53.13 2.70 0.00	50.39 2.37 0.00	49.47 2.41 0.00
HICKLING___1 23621	23.06 -2.78 19.48	45.62 -3.05 0.00	41.07 -2.82 0.00	42.36 -3.09 0.00	30.10 -3.01 12.92	44.34 -2.90 0.00	59.04 -3.63 0.00	69.65 -5.09 2.99	80.97 -5.11 0.00	108.36 -7.38 0.00	29.29 -4.72 25.71	1.99 -3.88 44.50	-14.08 -4.06 62.98	8.20 -3.60 42.14	12.98 -3.84 37.03	63.26 -5.07 3.14	68.39 -5.67 8.29	66.29 -6.70 19.03	50.73 -3.97 2.86	50.73 -3.99 0.00	41.20 -4.32 7.47	32.56 -4.25 13.61	44.16 -3.86 0.00	43.59 -3.46 0.00
HICKLING___2 23622	23.06 -2.78 19.48	45.62 -3.05 0.00	41.07 -2.82 0.00	42.36 -3.09 0.00	30.10 -3.01 12.92	44.34 -2.90 0.00	59.04 -3.63 0.00	69.65 -5.09 2.99	80.97 -5.11 0.00	108.36 -7.38 0.00	29.29 -4.72 25.71	1.99 -3.88 44.50	-14.08 -4.06 62.98	8.20 -3.60 42.14	12.98 -3.84 37.03	63.26 -5.07 3.14	68.39 -5.67 8.29	66.29 -6.70 19.03	50.73 -3.97 2.86	50.73 -3.99 0.00	41.20 -4.32 7.47	32.56 -4.25 13.61	44.16 -3.86 0.00	43.59 -3.46 0.00
HIGH FALLS___HY 23754	47.71 2.40 0.00	51.02 2.35 0.00	45.93 2.04 0.00	47.45 2.00 0.00	48.08 2.05 0.00	49.59 2.35 0.00	66.31 3.63 0.00	81.91 4.18 0.00	90.41 4.34 0.00	121.70 5.96 0.00	62.94 3.23 0.00	53.07 2.70 0.00	55.74 2.77 0.00	56.76 2.81 0.00	56.52 2.67 0.00	75.01 3.53 0.00	86.43 4.08 0.00	97.13 5.11 0.00	60.79 3.23 0.00	57.68 2.96 0.00	55.89 2.90 0.00	53.25 2.82 0.00	50.38 2.36 0.00	49.30 2.24 0.00
HIGH_RIVER___SOLAR 323847	46.32 1.01 0.00	49.72 1.04 0.00	44.82 0.93 0.00	46.36 0.90 0.00	46.97 0.94 0.00	48.32 1.07 0.00	64.26 1.59 0.00	79.89 2.16 0.00	88.32 2.24 0.00	118.58 2.84 0.00	61.07 1.35 0.00	51.23 0.87 0.00	54.06 1.09 0.00	54.99 1.05 0.00	55.08 1.23 0.00	73.20 1.73 0.00	84.45 2.10 0.00	94.53 2.51 0.00	59.07 1.51 0.00	56.00 1.28 0.00	54.16 1.17 0.00	51.50 1.07 0.00	48.91 0.89 0.00	47.85 0.80 0.00
HILLBURN___GT 23639	47.36 2.05 0.00	50.66 1.99 0.00	45.54 1.65 0.00	47.08 1.63 0.00	47.67 1.64 0.00	49.14 1.90 0.00	65.61 2.93 0.00	80.91 3.18 0.00	89.12 3.04 0.00	120.18 4.44 0.00	62.20 2.49 0.00	52.68 2.31 0.00	55.31 2.34 0.00	56.32 2.38 0.00	56.11 2.26 0.00	74.40 2.93 0.00	85.58 3.23 0.00	96.19 4.17 0.00	60.23 2.67 0.00	57.12 2.40 0.00	55.34 2.36 0.00	52.73 2.30 0.00	49.96 1.94 0.00	48.89 1.83 0.00
HILLSIDE_115KV_TB1 80332	23.70 -3.36 18.25	45.04 -3.63 0.00	40.54 -3.35 0.00	41.84 -3.61 0.00	30.37 -3.55 12.11	43.85 -3.39 0.00	58.33 -4.35 0.00	68.94 -5.98 2.80	80.14 -5.94 0.00	107.18 -8.56 0.00	30.48 -5.24 23.99	4.32 -4.41 41.63	-11.03 -4.59 59.41	9.93 -4.11 39.90	14.40 -4.39 35.07	62.69 -5.81 2.97	67.83 -6.66 7.85	66.09 -7.94 17.99	50.22 -4.66 2.68	50.14 -4.58 0.00	41.08 -4.77 7.13	32.93 -4.70 12.80	43.71 -4.30 0.00	43.17 -3.89 0.00

HISHELDN_WT_PWR 323625	32.21 -3.60 9.51	44.56 -4.11 0.00	40.07 -3.82 0.00	41.33 -4.12 0.00	35.56 -4.16 6.31	42.69 -4.56 0.00	56.78 -5.89 0.00	68.46 -7.81 1.46	77.19 -8.89 0.00	103.75 -11.99 0.00	42.81 -6.46 10.44	24.64 -5.32 20.40	15.72 -5.67 31.58	27.09 -5.38 21.47	29.53 -5.45 18.87	62.71 -7.17 1.60	70.57 -7.55 4.22	73.59 -8.79 9.64	50.52 -5.65 1.39	48.67 -6.05 0.00	43.08 -6.32 3.59	37.83 -5.97 6.63	42.67 -5.35 0.00	42.32 -4.74 0.00
HOLTSVILLE_IC_1 23690	61.13 2.19 -13.63	50.81 2.14 0.00	45.76 1.87 0.00	47.22 1.77 0.00	47.85 1.82 0.00	49.45 2.21 0.00	66.74 3.28 -0.78	93.36 3.39 -12.24	89.91 3.84 0.00	126.76 5.29 -5.73	73.13 3.27 -10.15	55.30 2.87 -2.07	64.31 2.88 -8.46	146.92 3.20 -89.79	66.94 2.27 -10.82	87.96 3.00 -13.49	122.90 3.41 -37.13	164.86 4.54 -68.31	108.68 2.99 -48.13	92.97 2.72 -35.54	63.05 2.61 -7.45	55.77 2.66 -2.69	50.39 2.37 0.00	49.58 2.52 0.00
HOLTSVILLE_IC_10 23699	60.59 2.42 -12.85	51.04 2.36 0.00	45.96 2.07 0.00	47.41 1.96 0.00	48.06 2.03 0.00	49.69 2.45 0.00	66.96 3.66 -0.63	91.54 3.87 -9.94	90.37 4.30 0.00	126.38 5.98 -4.66	73.49 3.61 -10.17	55.46 3.15 -1.95	63.04 3.20 -6.88	143.83 3.48 -86.41	65.60 2.58 -9.17	86.10 3.42 -11.20	120.20 3.94 -33.92	161.24 5.18 -64.05	106.46 3.39 -45.52	91.21 3.07 -33.42	61.98 2.94 -6.06	55.55 2.94 -2.19	50.63 2.61 0.00	49.81 2.76 0.00
HOLTSVILLE_IC_2 23691	61.13 2.19 -13.63	50.81 2.14 0.00	45.76 1.87 0.00	47.22 1.77 0.00	47.85 1.82 0.00	49.45 2.21 0.00	66.74 3.28 -0.78	93.36 3.39 -12.24	89.91 3.84 0.00	126.76 5.29 -5.73	73.13 3.27 -10.15	55.30 2.87 -2.07	64.31 2.88 -8.46	146.92 3.20 -89.79	66.94 2.27 -10.82	87.96 3.00 -13.49	122.90 3.41 -37.13	164.86 4.54 -68.31	108.68 2.99 -48.13	92.97 2.72 -35.54	63.05 2.61 -7.45	55.77 2.66 -2.69	50.39 2.37 0.00	49.58 2.52 0.00
HOLTSVILLE_IC_3 23692	61.13 2.19 -13.63	50.81 2.14 0.00	45.76 1.87 0.00	47.22 1.77 0.00	47.85 1.82 0.00	49.45 2.21 0.00	66.74 3.28 -0.78	93.36 3.39 -12.24	89.91 3.84 0.00	126.76 5.29 -5.73	73.13 3.27 -10.15	55.30 2.87 -2.07	64.31 2.88 -8.46	146.92 3.20 -89.79	66.94 2.27 -10.82	87.96 3.00 -13.49	122.90 3.41 -37.13	164.86 4.54 -68.31	108.68 2.99 -48.13	92.97 2.72 -35.54	63.05 2.61 -7.45	55.77 2.66 -2.69	50.39 2.37 0.00	49.58 2.52 0.00
HOLTSVILLE_IC_4 23693	61.13 2.19 -13.63	50.81 2.14 0.00	45.76 1.87 0.00	47.22 1.77 0.00	47.85 1.82 0.00	49.45 2.21 0.00	66.74 3.28 -0.78	93.36 3.39 -12.24	89.91 3.84 0.00	126.76 5.29 -5.73	73.13 3.27 -10.15	55.30 2.87 -2.07	64.31 2.88 -8.46	146.92 3.20 -89.79	66.94 2.27 -10.82	87.96 3.00 -13.49	122.90 3.41 -37.13	164.86 4.54 -68.31	108.68 2.99 -48.13	92.97 2.72 -35.54	63.05 2.61 -7.45	55.77 2.66 -2.69	50.39 2.37 0.00	49.58 2.52 0.00
HOLTSVILLE_IC_5 23694	61.13 2.19 -13.63	50.81 2.14 0.00	45.76 1.87 0.00	47.22 1.77 0.00	47.85 1.82 0.00	49.45 2.21 0.00	66.74 3.28 -0.78	93.36 3.39 -12.24	89.91 3.84 0.00	126.76 5.29 -5.73	73.13 3.27 -10.15	55.30 2.87 -2.07	64.31 2.88 -8.46	146.92 3.20 -89.79	66.94 2.27 -10.82	87.96 3.00 -13.49	122.90 3.41 -37.13	164.86 4.54 -68.31	108.68 2.99 -48.13	92.97 2.72 -35.54	63.05 2.61 -7.45	55.77 2.66 -2.69	50.39 2.37 0.00	49.58 2.52 0.00
HOLTSVILLE_IC_6 23695	60.59 2.42 -12.85	51.04 2.36 0.00	45.96 2.07 0.00	47.41 1.96 0.00	48.06 2.03 0.00	49.69 2.45 0.00	66.96 3.66 -0.63	91.54 3.87 -9.94	90.37 4.30 0.00	126.38 5.98 -4.66	73.49 3.61 -10.17	55.46 3.15 -1.95	63.04 3.20 -6.88	143.83 3.48 -86.41	65.60 2.58 -9.17	86.10 3.42 -11.20	120.20 3.94 -33.92	161.24 5.18 -64.05	106.46 3.39 -45.52	91.21 3.07 -33.42	61.98 2.94 -6.06	55.55 2.94 -2.19	50.63 2.61 0.00	49.81 2.76 0.00
HOLTSVILLE_IC_7 23696	60.59 2.42 -12.85	51.04 2.36 0.00	45.96 2.07 0.00	47.41 1.96 0.00	48.06 2.03 0.00	49.69 2.45 0.00	66.96 3.66 -0.63	91.54 3.87 -9.94	90.37 4.30 0.00	126.38 5.98 -4.66	73.49 3.61 -10.17	55.46 3.15 -1.95	63.04 3.20 -6.88	143.83 3.48 -86.41	65.60 2.58 -9.17	86.10 3.42 -11.20	120.20 3.94 -33.92	161.24 5.18 -64.05	106.46 3.39 -45.52	91.21 3.07 -33.42	61.98 2.94 -6.06	55.55 2.94 -2.19	50.63 2.61 0.00	49.81 2.76 0.00
HOLTSVILLE_IC_8 23697	60.59 2.42 -12.85	51.04 2.36 0.00	45.96 2.07 0.00	47.41 1.96 0.00	48.06 2.03 0.00	49.69 2.45 0.00	66.96 3.66 -0.63	91.54 3.87 -9.94	90.37 4.30 0.00	126.38 5.98 -4.66	73.49 3.61 -10.17	55.46 3.15 -1.95	63.04 3.20 -6.88	143.83 3.48 -86.41	65.60 2.58 -9.17	86.10 3.42 -11.20	120.20 3.94 -33.92	161.24 5.18 -64.05	106.46 3.39 -45.52	91.21 3.07 -33.42	61.98 2.94 -6.06	55.55 2.94 -2.19	50.63 2.61 0.00	49.81 2.76 0.00
HOLTSVILLE_IC_9 23698	60.59 2.42 -12.85	51.04 2.36 0.00	45.96 2.07 0.00	47.41 1.96 0.00	48.06 2.03 0.00	49.69 2.45 0.00	66.96 3.66 -0.63	91.54 3.87 -9.94	90.37 4.30 0.00	126.38 5.98 -4.66	73.49 3.61 -10.17	55.46 3.15 -1.95	63.04 3.20 -6.88	143.83 3.48 -86.41	65.60 2.58 -9.17	86.10 3.42 -11.20	120.20 3.94 -33.92	161.24 5.18 -64.05	106.46 3.39 -45.52	91.21 3.07 -33.42	61.98 2.94 -6.06	55.55 2.94 -2.19	50.63 2.61 0.00	49.81 2.76 0.00
HOMER_HL_115KV_TB2 355744	35.35 -2.43 7.53	45.72 -2.95 0.00	41.10 -2.79 0.00	42.39 -3.05 0.00	38.24 -2.79 5.00	44.36 -2.88 0.00	59.22 -3.45 0.00	71.78 -4.79 1.15	80.00 -6.07 0.00	108.09 -7.65 0.00	46.40 -4.03 9.29	30.48 -3.07 16.82	24.03 -3.36 25.58	33.14 -3.19 17.61	34.88 -3.49 15.49	65.45 -4.71 1.31	73.75 -5.14 3.47	78.14 -6.01 7.86	52.52 -3.94 1.10	50.55 -4.17 0.00	46.15 -4.25 2.58	41.19 -4.07 5.17	44.23 -3.79 0.00	43.87 -3.19 0.00
HOWARD_WT_PWR 323690	20.10 -3.72 21.49	44.39 -4.28 0.00	40.07 -3.83 0.00	41.05 -4.40 0.00	27.34 -4.43 14.26	42.39 -4.85 0.00	56.12 -6.56 0.00	65.70 -8.73 3.30	76.34 -9.73 0.00	102.12 -13.62 0.00	23.63 -7.34 28.74	-5.33 -6.33 49.36	-21.87 -6.85 67.99	2.99 -6.07 44.88	8.04 -6.37 39.44	59.65 -8.48 3.35	64.63 -8.88 8.83	61.85 -9.78 20.39	48.48 -5.92 3.16	48.53 -6.19 0.00	38.23 -7.02 7.73	29.25 -6.32 14.86	42.25 -5.77 0.00	41.81 -5.25 0.00
HQ_GEN_CEDARS 23644	46.34 1.03 0.00	49.82 1.15 0.00	44.86 0.97 0.00	46.52 1.07 0.00	47.16 1.13 0.00	48.43 1.18 0.00	64.43 1.76 0.00	79.92 2.20 0.00	88.40 2.33 0.00	118.90 3.16 0.00	61.34 1.63 0.00	51.65 1.29 0.00	54.35 1.39 0.00	55.33 1.39 0.00	55.22 1.37 0.00	73.28 1.81 0.00	84.51 2.16 0.00	94.54 2.52 0.00	58.85 1.29 0.00	56.01 1.30 0.00	54.34 1.35 0.00	51.79 1.36 0.00	49.43 1.41 0.00	48.55 1.49 0.00
HQ_GEN_CEDARS_PROXY 323590	46.33 1.02 0.00	49.78 1.11 0.00	44.85 0.96 0.00	46.46 1.01 0.00	47.16 1.13 0.00	48.43 1.18 0.00	65.89 1.76 -1.46	79.92 2.19 0.00	88.40 2.33 0.00	118.90 3.16 0.00	61.37 1.66 0.00	51.64 1.28 0.00	54.35 1.38 0.00	55.33 1.39 0.00	55.23 1.38 0.00	73.28 1.81 0.00	84.52 2.17 0.00	94.53 2.52 0.00	58.85 1.29 0.00	56.01 1.30 0.00	54.34 1.35 0.00	51.80 1.37 0.00	49.43 1.41 0.00	48.55 1.49 0.00

HQ_GEN_IMPORT 323601	45.52 0.21 0.00	48.99 0.32 0.00	44.11 0.22 0.00	45.73 0.28 0.00	46.36 0.33 0.00	45.88 0.34 1.71	63.19 0.52 0.00	78.41 0.69 0.00	86.83 0.75 0.00	116.70 0.96 0.00	60.23 0.52 0.00	50.73 0.37 0.00	53.44 0.48 0.00	54.42 0.48 0.00	54.32 0.47 0.00	72.13 0.66 0.00	83.16 0.81 0.00	93.06 1.05 0.00	58.03 0.47 0.00	55.24 0.52 0.00	53.48 0.50 0.00	50.89 0.46 0.00	48.55 0.53 0.00	47.61 0.55 0.00
HQ_GEN_WHEEL 23651	45.52 0.21 0.00	48.99 0.32 0.00	44.11 0.22 0.00	45.73 0.28 0.00	46.36 0.33 0.00	45.88 0.34 1.71	63.19 0.52 0.00	78.41 0.69 0.00	86.83 0.75 0.00	116.70 0.96 0.00	60.23 0.52 0.00	50.73 0.37 0.00	53.44 0.48 0.00	54.42 0.48 0.00	54.32 0.47 0.00	72.13 0.66 0.00	83.16 0.81 0.00	93.06 1.05 0.00	58.03 0.47 0.00	55.24 0.52 0.00	53.48 0.50 0.00	50.89 0.46 0.00	48.55 0.53 0.00	47.61 0.55 0.00
HUDSON AVE_GT_3 23810	47.83 2.52 0.00	51.10 2.43 0.00	45.98 2.08 0.00	47.49 2.03 0.00	48.10 2.07 0.00	49.63 2.38 0.00	66.17 3.49 0.00	81.67 3.95 0.00	90.33 4.25 0.00	121.40 5.66 0.00	62.94 3.23 0.00	53.35 2.98 0.00	56.03 3.06 0.00	57.11 3.16 0.00	56.87 3.02 0.00	75.30 3.82 0.00	86.40 4.05 0.00	97.00 4.98 0.00	60.77 3.21 0.00	57.69 2.97 0.00	55.92 2.94 0.00	53.30 2.87 0.00	50.46 2.45 0.00	49.48 2.42 0.00
HUDSON AVE_GT_4 23540	47.83 2.52 0.00	51.10 2.43 0.00	45.98 2.08 0.00	47.49 2.03 0.00	48.10 2.07 0.00	49.63 2.38 0.00	66.17 3.49 0.00	81.67 3.95 0.00	90.33 4.25 0.00	121.40 5.66 0.00	62.94 3.23 0.00	53.35 2.98 0.00	56.03 3.06 0.00	57.11 3.16 0.00	56.87 3.02 0.00	75.30 3.82 0.00	86.40 4.05 0.00	97.00 4.98 0.00	60.77 3.21 0.00	57.69 2.97 0.00	55.92 2.94 0.00	53.30 2.87 0.00	50.46 2.45 0.00	49.48 2.42 0.00
HUDSON AVE_GT_5 23657	47.83 2.52 0.00	51.10 2.43 0.00	45.98 2.08 0.00	47.49 2.03 0.00	48.10 2.07 0.00	49.63 2.38 0.00	66.17 3.49 0.00	81.67 3.95 0.00	90.33 4.25 0.00	121.40 5.66 0.00	62.94 3.23 0.00	53.35 2.98 0.00	56.03 3.06 0.00	57.11 3.16 0.00	56.87 3.02 0.00	75.30 3.82 0.00	86.40 4.05 0.00	97.00 4.98 0.00	60.77 3.21 0.00	57.69 2.97 0.00	55.92 2.94 0.00	53.30 2.87 0.00	50.46 2.45 0.00	49.48 2.42 0.00
HUDSON_AVE_10 24168	47.65 2.34 0.00	50.91 2.24 0.00	45.80 1.91 0.00	47.31 1.86 0.00	47.91 1.88 0.00	49.44 2.20 0.00	65.92 3.24 0.00	81.36 3.63 0.00	89.99 3.91 0.00	120.94 5.20 0.00	62.69 2.98 0.00	53.15 2.78 0.00	55.83 2.86 0.00	56.90 2.96 0.00	56.68 2.83 0.00	75.04 3.57 0.00	86.11 3.77 0.00	96.70 4.68 0.00	60.58 3.02 0.00	57.50 2.78 0.00	55.72 2.74 0.00	53.13 2.70 0.00	50.29 2.27 0.00	49.28 2.22 0.00
HUDSON___115KV_TB 4 355613	46.64 1.33 0.00	50.14 1.47 0.00	45.37 1.48 0.00	46.93 1.48 0.00	47.48 1.45 0.00	48.75 1.51 0.00	64.20 1.53 0.00	79.90 2.18 0.00	88.69 2.61 0.00	118.91 3.17 0.00	61.14 1.42 0.00	51.51 1.15 0.00	54.33 1.36 0.00	55.20 1.26 0.00	55.32 1.47 0.00	73.71 2.24 0.00	84.97 2.62 0.00	94.74 2.72 0.00	59.73 2.17 0.00	56.76 2.04 0.00	54.99 2.01 0.00	52.34 1.92 0.00	49.85 1.83 0.00	48.70 1.65 0.00
HUNTER MOUNT___DRP 323613	46.79 1.48 0.00	50.30 1.63 0.00	45.54 1.65 0.00	47.11 1.66 0.00	47.65 1.62 0.00	48.93 1.69 0.00	64.44 1.76 0.00	80.31 2.59 0.00	89.14 3.06 0.00	119.44 3.70 0.00	61.36 1.65 0.00	51.65 1.29 0.00	54.55 1.58 0.00	55.37 1.43 0.00	55.55 1.70 0.00	74.05 2.58 0.00	85.42 3.07 0.00	95.16 3.14 0.00	60.02 2.46 0.00	57.02 2.30 0.00	55.21 2.23 0.00	52.51 2.09 0.00	50.01 1.99 0.00	48.82 1.76 0.00
HUNTINGTON_RES_REC 323705	55.54 2.17 -8.06	50.83 2.16 0.00	45.77 1.88 0.00	47.22 1.77 0.00	47.85 1.82 0.00	49.43 2.19 0.00	65.69 3.19 0.17	78.31 3.29 2.70	89.92 3.84 0.00	119.64 5.15 1.25	72.61 3.19 -9.71	54.36 2.77 -1.22	53.84 2.73 1.86	120.92 3.09 -63.89	56.04 2.23 0.03	72.99 2.97 1.46	100.83 3.41 -15.08	134.61 4.54 -38.05	89.80 3.00 -29.24	77.82 2.73 -20.38	53.99 2.65 1.64	52.52 2.68 0.59	50.43 2.41 0.00	49.65 2.59 0.00
HUNTLEY___63 23557	36.36 -3.00 5.95	45.06 -3.61 0.00	40.68 -3.21 0.00	41.86 -3.60 0.00	38.74 -3.34 3.95	43.36 -3.88 0.00	57.71 -4.97 0.00	70.33 -6.48 0.91	78.57 -7.51 0.00	106.00 -9.74 0.00	47.55 -5.04 7.13	33.11 -4.08 13.18	28.45 -4.40 20.11	35.79 -4.33 13.82	37.24 -4.46 12.15	64.18 -6.26 1.03	72.88 -6.75 2.72	77.88 -7.96 6.18	51.46 -5.23 0.87	49.40 -5.32 0.00	45.43 -5.41 2.13	41.22 -5.10 4.11	43.35 -4.67 0.00	43.05 -4.01 0.00
HUNTLEY___64 23558	36.36 -3.00 5.95	45.06 -3.61 0.00	40.68 -3.21 0.00	41.86 -3.60 0.00	38.74 -3.34 3.95	43.36 -3.88 0.00	57.71 -4.97 0.00	70.33 -6.48 0.91	78.57 -7.51 0.00	106.00 -9.74 0.00	47.55 -5.04 7.13	33.11 -4.08 13.18	28.45 -4.40 20.11	35.79 -4.33 13.82	37.24 -4.46 12.15	64.18 -6.26 1.03	72.88 -6.75 2.72	77.88 -7.96 6.18	51.46 -5.23 0.87	49.40 -5.32 0.00	45.43 -5.41 2.13	41.22 -5.10 4.11	43.35 -4.67 0.00	43.05 -4.01 0.00
HUNTLEY___65 23559	36.36 -3.00 5.95	45.06 -3.61 0.00	40.68 -3.21 0.00	41.86 -3.60 0.00	38.74 -3.34 3.95	43.36 -3.88 0.00	57.71 -4.97 0.00	70.33 -6.48 0.91	78.57 -7.51 0.00	106.00 -9.74 0.00	47.55 -5.04 7.13	33.11 -4.08 13.18	28.45 -4.40 20.11	35.79 -4.33 13.82	37.24 -4.46 12.15	64.18 -6.26 1.03	72.88 -6.75 2.72	77.88 -7.96 6.18	51.46 -5.23 0.87	49.40 -5.32 0.00	45.43 -5.41 2.13	41.22 -5.10 4.11	43.35 -4.67 0.00	43.05 -4.01 0.00
HUNTLEY___66 23560	36.36 -3.00 5.95	45.06 -3.61 0.00	40.68 -3.21 0.00	41.86 -3.60 0.00	38.74 -3.34 3.95	43.36 -3.88 0.00	57.71 -4.97 0.00	70.33 -6.48 0.91	78.57 -7.51 0.00	106.00 -9.74 0.00	47.55 -5.04 7.13	33.11 -4.08 13.18	28.45 -4.40 20.11	35.79 -4.33 13.82	37.24 -4.46 12.15	64.18 -6.26 1.03	72.88 -6.75 2.72	77.88 -7.96 6.18	51.46 -5.23 0.87	49.40 -5.32 0.00	45.43 -5.41 2.13	41.22 -5.10 4.11	43.35 -4.67 0.00	43.05 -4.01 0.00
HUNTLEY___67 23561	35.98 -3.31 6.02	44.79 -3.89 0.00	40.47 -3.42 0.00	41.63 -3.82 0.00	38.43 -3.61 3.99	43.17 -4.07 0.00	57.56 -5.12 0.00	70.08 -6.72 0.92	78.21 -7.86 0.00	105.40 -10.35 0.00	47.09 -5.38 7.24	32.61 -4.40 13.35	27.88 -4.72 20.36	35.33 -4.62 14.00	36.79 -4.75 12.31	63.93 -6.50 1.04	72.63 -6.97 2.76	77.47 -8.29 6.26	51.28 -5.40 0.88	49.23 -5.49 0.00	45.23 -5.60 2.15	40.94 -5.33 4.16	43.11 -4.91 0.00	42.81 -4.25 0.00
HUNTLEY___68 23562	35.98 -3.31 6.02	44.79 -3.89 0.00	40.47 -3.42 0.00	41.63 -3.82 0.00	38.43 -3.61 3.99	43.17 -4.07 0.00	57.56 -5.12 0.00	70.08 -6.72 0.92	78.21 -7.86 0.00	105.40 -10.35 0.00	47.09 -5.38 7.24	32.61 -4.40 13.35	27.88 -4.72 20.36	35.33 -4.62 14.00	36.79 -4.75 12.31	63.93 -6.50 1.04	72.63 -6.97 2.76	77.47 -8.29 6.26	51.28 -5.40 0.88	49.23 -5.49 0.00	45.23 -5.60 2.15	40.94 -5.33 4.16	43.11 -4.91 0.00	42.81 -4.25 0.00

HYLAND___LFGE 323620	33.63 -0.32 11.36	48.05 -0.63 0.00	43.25 -0.64 0.00	44.57 -0.88 0.00	37.52 -0.97 7.53	45.39 -1.85 0.00	60.48 -2.20 0.00	73.25 -2.74 1.74	82.62 -3.45 0.00	110.76 -4.98 0.00	41.10 -3.14 15.47	21.29 -2.79 26.29	12.87 -3.23 36.87	26.22 -3.00 24.72	29.11 -3.00 21.74	65.84 -3.79 1.84	74.03 -3.45 4.87	77.37 -3.49 11.16	53.76 -2.13 1.67	52.24 -2.48 0.00	45.72 -3.03 4.24	40.70 -1.82 7.90	46.64 -1.38 0.00	45.84 -1.22 0.00
INDECK___CORINTH 23802	46.97 1.66 0.00	50.51 1.84 0.00	45.48 1.59 0.00	47.17 1.72 0.00	47.74 1.70 0.00	49.16 1.92 0.00	64.88 2.20 0.00	80.77 3.05 0.00	89.77 3.70 0.00	120.29 4.55 0.00	61.85 2.14 0.00	51.88 1.52 0.00	54.53 1.56 0.00	55.49 1.55 0.00	55.58 1.73 0.00	73.80 2.33 0.00	85.23 2.88 0.00	94.80 2.78 0.00	59.92 2.36 0.00	56.86 2.14 0.00	55.21 2.23 0.00	52.39 1.97 0.00	49.89 1.87 0.00	48.48 1.42 0.00
INDECK___ILION 23567	46.97 1.66 0.00	50.44 1.77 0.00	45.51 1.62 0.00	47.09 1.64 0.00	47.71 1.68 0.00	49.04 1.80 0.00	64.91 2.23 0.00	80.55 2.82 0.00	89.25 3.17 0.00	119.96 4.21 0.00	61.89 2.18 0.00	52.14 1.77 0.00	54.77 1.81 0.00	55.80 1.86 0.00	55.82 1.97 0.00	74.04 2.56 0.00	85.27 2.92 0.00	94.97 2.95 0.00	59.56 2.00 0.00	56.51 1.79 0.00	54.72 1.73 0.00	52.11 1.68 0.00	49.56 1.54 0.00	48.43 1.38 0.00
INDECK___OLEAN 23982	35.35 -2.43 7.53	45.79 -2.89 0.00	41.11 -2.78 0.00	42.56 -2.89 0.00	38.24 -2.80 5.00	44.36 -2.88 0.00	59.22 -3.45 0.00	71.74 -4.83 1.15	79.97 -6.10 0.00	108.07 -7.67 0.00	46.28 -4.15 9.29	30.40 -3.14 16.82	23.92 -3.47 25.58	33.05 -3.28 17.61	34.81 -3.56 15.49	65.41 -4.75 1.31	73.71 -5.17 3.47	78.04 -6.12 7.86	52.51 -3.95 1.10	50.53 -4.18 0.00	46.11 -4.29 2.58	41.17 -4.09 5.17	44.23 -3.79 0.00	43.87 -3.19 0.00
INDECK___OSWEGO 23783	47.89 -1.83 -4.41	52.25 -2.04 -5.61	45.94 -1.83 -3.88	47.92 -1.96 -4.43	48.70 -1.97 -4.65	45.66 -2.06 -0.47	60.00 -2.68 0.00	74.37 -3.36 0.00	82.37 -3.70 0.00	110.96 -4.79 0.00	57.19 -2.52 0.00	48.29 -2.07 0.00	50.65 -2.32 0.00	51.56 -2.38 0.00	51.46 -2.39 0.00	68.34 -3.14 0.00	78.80 -3.55 0.00	87.88 -4.14 0.00	54.96 -2.60 0.00	52.21 -2.51 0.00	50.49 -2.49 0.00	48.06 -2.36 0.00	45.68 -2.33 0.00	44.81 -2.25 0.00
INDECK___YERKES 23781	36.40 -2.96 5.95	45.19 -3.48 0.00	40.74 -3.16 0.00	42.07 -3.38 0.00	38.77 -3.31 3.95	43.40 -3.84 0.00	57.76 -4.91 0.00	70.36 -6.46 0.91	78.60 -7.48 0.00	106.10 -9.64 0.00	47.47 -5.11 7.13	33.12 -4.07 13.18	28.42 -4.44 20.11	35.77 -4.35 13.82	37.25 -4.45 12.15	64.25 -6.19 1.03	72.91 -6.71 2.72	77.88 -7.95 6.18	51.51 -5.18 0.87	49.43 -5.29 0.00	45.46 -5.39 2.13	41.25 -5.07 4.11	43.40 -4.62 0.00	43.09 -3.97 0.00
INDIAN POINT_GT_1 24139	47.31 1.99 0.00	50.59 1.92 0.00	45.52 1.64 0.00	47.04 1.59 0.00	47.65 1.62 0.00	49.11 1.87 0.00	65.49 2.81 0.00	80.81 3.08 0.00	89.22 3.15 0.00	120.03 4.29 0.00	62.13 2.42 0.00	52.61 2.25 0.00	55.24 2.27 0.00	56.29 2.35 0.00	56.06 2.21 0.00	74.34 2.86 0.00	85.43 3.09 0.00	95.94 3.92 0.00	60.10 2.54 0.00	57.04 2.32 0.00	55.27 2.29 0.00	52.68 2.25 0.00	49.91 1.90 0.00	48.91 1.85 0.00
INDIAN POINT_GT_2 23659	47.31 1.99 0.00	50.59 1.92 0.00	45.52 1.64 0.00	47.04 1.59 0.00	47.65 1.62 0.00	49.11 1.87 0.00	65.49 2.81 0.00	80.81 3.08 0.00	89.22 3.15 0.00	120.03 4.29 0.00	62.13 2.42 0.00	52.61 2.25 0.00	55.24 2.27 0.00	56.29 2.35 0.00	56.06 2.21 0.00	74.34 2.86 0.00	85.43 3.09 0.00	95.94 3.92 0.00	60.10 2.54 0.00	57.04 2.32 0.00	55.27 2.29 0.00	52.68 2.25 0.00	49.91 1.90 0.00	48.91 1.85 0.00
INDIAN POINT_GT_3 24019	47.31 1.99 0.00	50.59 1.92 0.00	45.52 1.64 0.00	47.04 1.59 0.00	47.65 1.62 0.00	49.11 1.87 0.00	65.49 2.81 0.00	80.81 3.08 0.00	89.22 3.15 0.00	120.03 4.29 0.00	62.13 2.42 0.00	52.61 2.25 0.00	55.24 2.27 0.00	56.29 2.35 0.00	56.06 2.21 0.00	74.34 2.86 0.00	85.43 3.09 0.00	95.94 3.92 0.00	60.10 2.54 0.00	57.04 2.32 0.00	55.27 2.29 0.00	52.68 2.25 0.00	49.91 1.90 0.00	48.91 1.85 0.00
INDIAN POINT___2 23530	47.25 1.94 0.00	50.55 1.88 0.00	45.46 1.57 0.00	46.99 1.54 0.00	47.58 1.55 0.00	49.05 1.80 0.00	65.42 2.74 0.00	80.66 2.93 0.00	88.92 2.85 0.00	119.80 4.05 0.00	62.01 2.30 0.00	52.52 2.15 0.00	55.13 2.17 0.00	56.17 2.24 0.00	55.96 2.11 0.00	74.19 2.71 0.00	85.29 2.94 0.00	95.80 3.78 0.00	60.00 2.45 0.00	56.93 2.21 0.00	55.16 2.18 0.00	52.58 2.15 0.00	49.83 1.81 0.00	48.79 1.73 0.00
INDIAN POINT___3 23531	47.32 2.01 0.00	50.61 1.93 0.00	45.53 1.64 0.00	47.06 1.61 0.00	47.65 1.62 0.00	49.11 1.87 0.00	65.48 2.81 0.00	80.90 3.17 0.00	89.58 3.51 0.00	120.04 4.30 0.00	62.15 2.44 0.00	52.63 2.26 0.00	55.25 2.29 0.00	56.30 2.36 0.00	56.08 2.23 0.00	74.34 2.87 0.00	85.44 3.09 0.00	95.92 3.90 0.00	60.10 2.54 0.00	57.04 2.32 0.00	55.27 2.29 0.00	52.68 2.25 0.00	49.93 1.91 0.00	49.02 1.97 0.00
INGHAM_C_115KV_TB7 356103	49.05 3.74 0.00	52.70 4.03 0.00	47.58 3.68 0.00	49.21 3.76 0.00	49.88 3.85 0.00	51.34 4.09 0.00	67.76 5.08 0.00	84.10 6.38 0.00	93.28 7.21 0.00	125.22 9.48 0.00	64.64 4.93 0.00	54.35 3.99 0.00	57.06 4.09 0.00	58.19 4.25 0.00	58.30 4.45 0.00	77.34 5.87 0.00	89.02 6.67 0.00	98.78 6.76 0.00	62.13 4.57 0.00	58.92 4.20 0.00	57.06 4.08 0.00	54.41 3.98 0.00	51.70 3.68 0.00	50.40 3.34 0.00
IP CORINTH___1 23988	47.20 1.89 0.00	50.75 2.08 0.00	45.72 1.83 0.00	47.39 1.94 0.00	47.98 1.95 0.00	49.41 2.17 0.00	65.24 2.56 0.00	81.20 3.48 0.00	90.25 4.18 0.00	120.95 5.20 0.00	62.20 2.49 0.00	52.16 1.80 0.00	54.84 1.87 0.00	55.79 1.85 0.00	55.89 2.04 0.00	74.19 2.71 0.00	85.70 3.36 0.00	95.27 3.25 0.00	60.25 2.69 0.00	57.16 2.44 0.00	55.52 2.54 0.00	52.66 2.24 0.00	50.13 2.12 0.00	48.72 1.67 0.00
IP___TICONDEROGA 23804	49.67 4.36 0.00	53.48 4.80 0.00	47.78 3.89 0.00	49.75 4.30 0.00	50.35 4.32 0.00	52.01 4.76 0.00	68.72 6.04 0.00	86.06 8.33 0.00	95.75 9.67 0.00	127.64 11.90 0.00	65.60 5.89 0.00	54.25 3.89 0.00	57.15 4.18 0.00	58.49 4.55 0.00	58.85 5.00 0.00	78.27 6.80 0.00	91.30 8.96 0.00	100.64 8.62 0.00	64.38 6.81 0.00	60.52 5.80 0.00	58.72 5.74 0.00	55.51 5.08 0.00	52.69 4.67 0.00	50.67 3.62 0.00
ISLIP_RES_REC 323679	60.74 2.62 -12.81	51.23 2.56 0.00	46.14 2.25 0.00	47.59 2.14 0.00	48.25 2.22 0.00	49.89 2.65 0.00	67.27 3.98 -0.61	91.65 4.29 -9.64	90.87 4.79 0.00	126.96 6.70 -4.52	73.90 3.96 -10.23	55.73 3.43 -1.94	63.14 3.50 -6.67	144.09 3.78 -86.38	65.70 2.89 -8.96	86.23 3.85 -10.91	120.43 4.48 -33.61	161.56 5.80 -63.74	106.68 3.75 -45.37	91.38 3.39 -33.27	62.09 3.24 -5.87	55.73 3.18 -2.12	50.86 2.85 0.00	50.01 2.95 0.00

JAMAICA__27_KV_LOAD 355505	47.90 2.58 0.00	51.13 2.46 0.00	45.99 2.10 0.00	47.51 2.06 0.00	48.12 2.09 0.00	49.65 2.41 0.00	66.27 3.59 0.00	81.81 4.08 0.00	90.48 4.40 0.00	121.57 5.83 0.00	63.01 3.30 0.00	53.41 3.05 0.00	56.14 3.18 0.00	57.19 3.25 0.00	57.05 3.20 0.00	75.50 4.03 0.00	86.71 4.36 0.00	97.38 5.36 0.00	60.99 3.43 0.00	57.93 3.21 0.00	56.12 3.14 0.00	53.50 3.07 0.00	50.57 2.55 0.00	49.53 2.48 0.00
JANIS__SOLAR 323808	60.71 1.24 -14.16	49.82 1.15 0.00	44.95 1.06 0.00	46.50 1.04 0.00	56.53 1.11 -9.39	48.56 1.32 0.00	64.88 2.20 0.00	82.67 2.77 -2.18	89.01 2.94 0.00	119.47 3.73 0.00	79.40 1.75 -17.95	83.99 1.62 -32.01	96.76 1.51 -42.28	82.53 1.74 -26.85	79.07 1.67 -23.55	75.92 2.45 -2.00	90.65 3.03 -5.27	108.02 3.19 -12.81	61.91 1.83 -2.52	56.19 1.47 0.00	58.54 1.26 -4.31	60.93 0.97 -9.53	48.64 0.62 0.00	47.58 0.52 0.00
JARVIS____ 23743	45.47 0.16 0.00	48.81 0.14 0.00	44.03 0.13 0.00	45.59 0.13 0.00	46.16 0.12 0.00	47.38 0.13 0.00	62.81 0.13 0.00	77.88 0.15 0.00	86.25 0.17 0.00	115.97 0.23 0.00	59.83 0.12 0.00	50.48 0.12 0.00	53.07 0.11 0.00	54.05 0.11 0.00	53.96 0.11 0.00	71.60 0.12 0.00	82.43 0.08 0.00	92.02 0.00 0.00	57.66 0.10 0.00	54.77 0.05 0.00	53.03 0.05 0.00	50.52 0.09 0.00	48.07 0.05 0.00	47.10 0.04 0.00
JENNISON____1 23625	49.27 1.01 -2.95	49.50 0.82 0.00	44.85 0.96 0.00	46.27 0.82 0.00	48.78 0.79 -1.96	48.28 1.04 0.00	64.33 1.65 0.00	80.10 1.92 -0.45	88.00 1.93 0.00	117.86 2.12 0.00	64.55 1.21 -3.63	58.33 1.30 -6.67	64.35 1.34 -10.04	62.34 1.50 -6.90	61.26 1.37 -6.04	74.03 2.05 -0.51	86.29 2.59 -1.35	97.75 2.51 -3.23	59.45 1.30 -0.59	55.55 0.83 0.00	54.89 0.83 -1.07	53.15 0.69 -2.04	48.16 0.15 0.00	46.93 -0.13 0.00
JENNISON____2 23626	49.27 1.01 -2.95	49.50 0.82 0.00	44.85 0.96 0.00	46.27 0.82 0.00	48.78 0.79 -1.96	48.28 1.04 0.00	64.33 1.65 0.00	80.10 1.92 -0.45	88.00 1.93 0.00	117.86 2.12 0.00	64.55 1.21 -3.63	58.33 1.30 -6.67	64.35 1.34 -10.04	62.34 1.50 -6.90	61.26 1.37 -6.04	74.03 2.05 -0.51	86.29 2.59 -1.35	97.75 2.51 -3.23	59.45 1.30 -0.59	55.55 0.83 0.00	54.89 0.83 -1.07	53.15 0.69 -2.04	48.16 0.15 0.00	46.93 -0.13 0.00
JERICOHO_RISE_WT_PWR 323719	45.56 0.25 0.00	49.00 0.32 0.00	44.18 0.29 0.00	45.85 0.40 0.00	46.57 0.54 0.00	47.80 0.55 0.00	63.46 0.79 0.00	78.74 1.02 0.00	87.04 0.97 0.00	117.06 1.32 0.00	60.44 0.74 0.00	50.89 0.53 0.00	53.61 0.64 0.00	54.59 0.65 0.00	54.48 0.63 0.00	72.17 0.69 0.00	83.50 1.15 0.00	93.62 1.60 0.00	58.24 0.68 0.00	55.29 0.57 0.00	53.57 0.59 0.00	51.14 0.71 0.00	48.83 0.81 0.00	47.92 0.86 0.00
KATONAH__115KV_46KV_TB4 355592	47.58 2.27 0.00	50.90 2.23 0.00	45.83 1.94 0.00	47.34 1.89 0.00	47.94 1.91 0.00	49.43 2.19 0.00	65.89 3.21 0.00	81.40 3.67 0.00	90.11 4.04 0.00	120.95 5.21 0.00	62.60 2.89 0.00	53.00 2.64 0.00	55.63 2.66 0.00	56.70 2.76 0.00	56.47 2.62 0.00	74.86 3.38 0.00	86.05 3.70 0.00	96.56 4.54 0.00	60.53 2.97 0.00	57.45 2.73 0.00	55.68 2.70 0.00	53.04 2.61 0.00	50.25 2.23 0.00	49.26 2.20 0.00
KCE_NY_1 323755	47.14 1.83 0.00	50.71 2.04 0.00	45.78 1.89 0.00	47.38 1.93 0.00	47.99 1.96 0.00	49.37 2.12 0.00	65.16 2.48 0.00	80.99 3.27 0.00	90.01 3.93 0.00	120.74 5.00 0.00	62.12 2.41 0.00	52.26 1.90 0.00	54.95 1.98 0.00	56.01 2.07 0.00	55.96 2.11 0.00	74.41 2.93 0.00	85.73 3.38 0.00	95.53 3.51 0.00	60.17 2.61 0.00	57.16 2.45 0.00	55.44 2.46 0.00	52.67 2.24 0.00	50.04 2.02 0.00	48.82 1.77 0.00
KCE_NY_6_ESR 323823	35.70 -2.90 6.71	45.31 -3.36 0.00	40.84 -3.05 0.00	42.18 -3.27 0.00	38.30 -3.28 4.45	43.63 -3.61 0.00	58.22 -4.46 0.00	70.76 -5.94 1.03	79.14 -6.93 0.00	106.64 -9.10 0.00	46.84 -4.85 8.02	31.63 -3.89 14.84	26.02 -4.28 22.67	34.30 -4.08 15.56	35.99 -4.17 13.68	64.63 -5.68 1.16	73.25 -6.04 3.06	77.85 -7.21 6.96	51.88 -4.70 0.98	49.79 -4.93 0.00	45.54 -5.05 2.39	40.95 -4.84 4.63	43.62 -4.40 0.00	43.22 -3.84 0.00
KEDC_PORT_JEFF_GT2 24210	60.23 2.29 -12.63	50.89 2.22 0.00	45.83 1.94 0.00	47.28 1.83 0.00	47.93 1.89 0.00	49.55 2.31 0.00	66.70 3.42 -0.60	90.76 3.58 -9.46	90.09 4.01 0.00	125.68 5.51 -4.43	73.15 3.34 -10.11	55.15 2.87 -1.92	62.37 2.87 -6.54	142.36 3.16 -85.25	64.92 2.27 -8.80	85.18 3.00 -10.71	118.88 3.43 -33.11	159.47 4.59 -62.86	105.34 3.03 -44.75	90.27 2.74 -32.82	61.38 2.64 -5.76	55.19 2.68 -2.08	50.41 2.39 0.00	49.64 2.58 0.00
KEDC_PORT_JEFF_GT3 24211	60.23 2.29 -12.63	50.89 2.22 0.00	45.83 1.94 0.00	47.28 1.83 0.00	47.93 1.89 0.00	49.55 2.31 0.00	66.70 3.42 -0.60	90.76 3.58 -9.46	90.09 4.01 0.00	125.68 5.51 -4.43	73.15 3.34 -10.11	55.15 2.87 -1.92	62.37 2.87 -6.54	142.36 3.16 -85.25	64.92 2.27 -8.80	85.18 3.00 -10.71	118.88 3.43 -33.11	159.47 4.59 -62.86	105.34 3.03 -44.75	90.27 2.74 -32.82	61.38 2.64 -5.76	55.19 2.68 -2.08	50.41 2.39 0.00	49.64 2.58 0.00
KEDC_GLWD_GT4 24219	63.46 2.48 -15.67	51.13 2.45 0.00	46.01 2.12 0.00	47.53 2.08 0.00	48.13 2.10 0.00	49.64 2.40 0.00	66.18 3.50 0.00	81.61 3.89 0.00	90.45 4.37 0.00	121.57 5.81 -0.02	79.98 3.35 -16.92	55.73 2.99 -2.38	56.00 3.03 -0.01	175.74 3.33 -118.48	60.02 2.84 -3.33	77.35 3.72 -2.16	119.42 4.11 -32.97	172.33 5.08 -75.24	117.32 3.31 -56.46	97.74 3.06 -39.97	55.98 3.00 -0.01	53.35 2.92 0.00	50.56 2.54 0.00	49.62 2.56 0.00
KEDC_GLWD_GT5 24220	63.46 2.48 -15.67	51.13 2.45 0.00	46.01 2.12 0.00	47.53 2.08 0.00	48.13 2.10 0.00	49.64 2.40 0.00	66.18 3.50 0.00	81.61 3.89 0.00	90.45 4.37 0.00	121.57 5.81 -0.02	79.98 3.35 -16.92	55.73 2.99 -2.38	56.00 3.03 -0.01	175.74 3.33 -118.48	60.02 2.84 -3.33	77.35 3.72 -2.16	119.42 4.11 -32.97	172.33 5.08 -75.24	117.32 3.31 -56.46	97.74 3.06 -39.97	55.98 3.00 -0.01	53.35 2.92 0.00	50.56 2.54 0.00	49.62 2.56 0.00
KENSICO____ 23655	47.45 2.14 0.00	50.74 2.07 0.00	45.66 1.77 0.00	47.18 1.73 0.00	47.77 1.74 0.00	49.26 2.02 0.00	65.67 2.99 0.00	81.06 3.33 0.00	89.62 3.54 0.00	120.40 4.66 0.00	62.37 2.65 0.00	52.81 2.45 0.00	55.45 2.48 0.00	56.53 2.59 0.00	56.27 2.42 0.00	74.59 3.11 0.00	85.69 3.35 0.00	96.21 4.19 0.00	60.28 2.72 0.00	57.22 2.51 0.00	55.45 2.47 0.00	52.84 2.41 0.00	50.08 2.06 0.00	49.10 2.04 0.00
KERHONKS_69_KV_TR1_REV_LBMP_G 345021	47.61 2.30 0.00	50.92 2.25 0.00	45.85 1.96 0.00	47.38 1.93 0.00	48.00 1.97 0.00	49.50 2.25 0.00	66.11 3.43 0.00	81.69 3.97 0.00	90.22 4.15 0.00	121.41 5.67 0.00	62.76 3.05 0.00	52.90 2.54 0.00	55.58 2.61 0.00	56.59 2.65 0.00	56.38 2.53 0.00	74.84 3.36 0.00	86.24 3.89 0.00	96.86 4.84 0.00	60.65 3.09 0.00	57.55 2.83 0.00	55.76 2.78 0.00	53.12 2.69 0.00	50.30 2.28 0.00	49.20 2.14 0.00

KIAC_JFK_GT1 23816	47.73 2.42 0.00	50.98 2.30 0.00	45.86 1.96 0.00	47.36 1.91 0.00	47.96 1.93 0.00	49.48 2.24 0.00	66.02 3.35 0.00	81.52 3.79 0.00	90.14 4.07 0.00	121.14 5.40 0.00	62.81 3.10 0.00	53.23 2.87 0.00	55.94 2.98 0.00	57.00 3.06 0.00	56.85 3.00 0.00	75.25 3.78 0.00	86.39 4.04 0.00	97.01 4.99 0.00	60.77 3.21 0.00	57.72 3.00 0.00	55.93 2.95 0.00	53.29 2.86 0.00	50.33 2.30 0.00	49.26 2.20 0.00
KIAC_JFK_GT2 23817	47.73 2.42 0.00	50.98 2.30 0.00	45.86 1.96 0.00	47.36 1.91 0.00	47.96 1.93 0.00	49.48 2.24 0.00	66.02 3.35 0.00	81.52 3.79 0.00	90.14 4.07 0.00	121.14 5.40 0.00	62.81 3.10 0.00	53.23 2.87 0.00	55.94 2.98 0.00	57.00 3.06 0.00	56.85 3.00 0.00	75.25 3.78 0.00	86.39 4.04 0.00	97.01 4.99 0.00	60.77 3.21 0.00	57.72 3.00 0.00	55.93 2.95 0.00	53.29 2.86 0.00	50.33 2.30 0.00	49.26 2.20 0.00
KIAC_JFK____ 323774	47.74 2.43 0.00	50.99 2.32 0.00	45.85 1.96 0.00	47.39 1.94 0.00	47.97 1.94 0.00	49.48 2.24 0.00	66.01 3.34 0.00	81.52 3.79 0.00	90.15 4.08 0.00	121.14 5.40 0.00	62.82 3.11 0.00	53.23 2.87 0.00	55.95 2.99 0.00	57.00 3.06 0.00	56.88 3.02 0.00	75.25 3.77 0.00	86.39 4.05 0.00	97.01 4.99 0.00	60.77 3.21 0.00	57.71 3.00 0.00	55.93 2.95 0.00	53.28 2.86 0.00	50.32 2.30 0.00	49.26 2.20 0.00
KINTIGH__24_KV_GSU 356498	37.97 -2.87 4.47	45.34 -3.33 0.00	40.91 -2.99 0.00	42.29 -3.16 0.00	39.94 -3.13 2.96	43.71 -3.54 0.00	58.28 -4.40 0.00	71.23 -5.81 0.68	78.98 -7.09 0.00	106.46 -9.28 0.00	49.39 -4.92 5.40	36.43 -3.99 9.94	33.48 -4.33 15.16	39.25 -4.25 10.44	40.33 -4.33 9.19	64.89 -5.80 0.78	73.98 -6.31 2.06	79.88 -7.47 4.67	52.10 -4.81 0.65	49.85 -4.86 0.00	46.39 -4.98 1.61	42.61 -4.73 3.09	43.66 -4.35 0.00	43.27 -3.79 0.00
KINTIGH____ 23543	37.94 -2.90 4.47	45.25 -3.43 0.00	40.86 -3.03 0.00	42.10 -3.35 0.00	39.90 -3.17 2.96	43.67 -3.58 0.00	58.24 -4.44 0.00	71.20 -5.84 0.68	79.02 -7.05 0.00	106.47 -9.27 0.00	49.46 -4.84 5.40	36.44 -3.98 9.94	33.54 -4.27 15.16	39.29 -4.20 10.44	40.35 -4.32 9.19	64.87 -5.83 0.78	74.01 -6.28 2.06	79.94 -7.41 4.67	52.10 -4.80 0.65	49.86 -4.86 0.00	46.41 -4.96 1.61	42.61 -4.73 3.09	43.66 -4.35 0.00	43.27 -3.79 0.00
KNTFSRNC_46_KV_46KV_LOAD 80397	45.91 0.60 0.00	49.36 0.69 0.00	44.51 0.61 0.00	46.28 0.83 0.00	46.94 0.91 0.00	48.19 0.94 0.00	63.92 1.25 0.00	79.34 1.61 0.00	87.53 1.46 0.00	117.83 2.09 0.00	60.85 1.14 0.00	51.30 0.93 0.00	54.02 1.06 0.00	55.06 1.12 0.00	54.91 1.06 0.00	72.58 1.10 0.00	84.18 1.83 0.00	94.50 2.48 0.00	58.76 1.20 0.00	55.77 1.05 0.00	54.09 1.11 0.00	51.76 1.33 0.00	49.39 1.37 0.00	48.46 1.40 0.00
LACHUTE____HYDRO 323717	49.68 4.37 0.00	53.48 4.81 0.00	47.78 3.89 0.00	49.78 4.32 0.00	50.36 4.33 0.00	52.01 4.76 0.00	68.72 6.04 0.00	86.06 8.33 0.00	95.75 9.67 0.00	127.64 11.90 0.00	65.58 5.87 0.00	54.26 3.90 0.00	57.15 4.18 0.00	58.49 4.55 0.00	58.85 5.00 0.00	78.27 6.80 0.00	91.30 8.95 0.00	100.64 8.62 0.00	64.37 6.82 0.00	60.52 5.80 0.00	58.72 5.74 0.00	55.51 5.08 0.00	52.69 4.67 0.00	50.67 3.61 0.00
LAWRNCV_115KV_TB1 80681	46.35 1.04 0.00	49.75 1.08 0.00	44.76 0.87 0.00	46.41 0.96 0.00	47.08 1.05 0.00	48.37 1.13 0.00	64.44 1.77 0.00	79.99 2.26 0.00	88.65 2.57 0.00	119.48 3.74 0.00	61.64 1.93 0.00	51.72 1.36 0.00	54.33 1.36 0.00	55.23 1.29 0.00	55.13 1.28 0.00	72.96 1.48 0.00	83.84 1.49 0.00	93.54 1.52 0.00	58.14 0.58 0.00	55.44 0.72 0.00	54.04 1.06 0.00	51.71 1.29 0.00	49.32 1.31 0.00	48.47 1.41 0.00
LEDERLE____ 23769	47.52 2.21 0.00	50.83 2.16 0.00	45.71 1.82 0.00	47.23 1.78 0.00	47.84 1.81 0.00	49.33 2.09 0.00	65.93 3.25 0.00	81.40 3.68 0.00	89.83 3.76 0.00	120.85 5.11 0.00	62.55 2.84 0.00	52.98 2.62 0.00	55.62 2.65 0.00	56.66 2.72 0.00	56.45 2.60 0.00	74.85 3.37 0.00	86.08 3.74 0.00	96.72 4.71 0.00	60.58 3.01 0.00	57.47 2.75 0.00	55.67 2.68 0.00	53.03 2.60 0.00	50.23 2.21 0.00	49.20 2.15 0.00
LIGHTHSE_115KV_TB6 355974	46.73 -0.75 -2.17	50.38 -1.05 -2.76	44.76 -1.04 -1.91	46.33 -1.30 -2.18	47.10 -1.22 -2.29	46.31 -1.17 -0.23	61.27 -1.41 0.00	75.99 -1.73 0.00	84.29 -1.78 0.00	113.77 -1.97 0.00	58.72 -1.00 0.00	49.52 -0.84 0.00	51.66 -1.31 0.00	52.44 -1.50 0.00	52.26 -1.60 0.00	69.52 -1.96 0.00	80.19 -2.16 0.00	89.48 -2.54 0.00	55.71 -1.85 0.00	52.81 -1.91 0.00	51.08 -1.90 0.00	48.66 -1.77 0.00	46.17 -1.85 0.00	45.47 -1.58 0.00
LINDEN COGEN____ 23786	43.48 2.30 4.13	44.24 2.19 6.62	43.87 1.84 1.86	43.85 1.81 3.41	43.74 1.82 4.11	48.82 2.12 0.55	65.82 3.14 0.00	81.17 3.44 0.00	89.70 3.63 0.00	120.55 4.81 0.00	62.51 2.80 0.00	53.00 2.64 0.00	55.68 2.71 0.00	56.72 2.78 0.00	56.52 2.67 0.00	74.82 3.34 0.00	85.83 3.48 0.00	96.43 4.41 0.00	60.40 2.84 0.00	57.32 2.60 0.00	55.57 2.59 0.00	52.99 2.57 0.00	50.17 2.16 0.00	49.19 2.14 0.00
LINDHRST_69_KV_BK1 356055	59.57 2.86 -11.39	51.47 2.79 0.00	46.37 2.47 0.00	47.81 2.35 0.00	48.46 2.43 0.00	50.07 2.83 0.00	66.96 4.14 -0.14	84.50 4.51 -2.27	91.31 5.24 0.00	123.99 7.17 -1.07	75.27 4.10 -11.46	55.68 3.59 -1.73	58.14 3.60 -1.57	141.53 3.94 -83.65	60.87 3.14 -3.89	79.53 4.33 -3.72	112.78 4.90 -25.53	153.37 6.11 -55.23	102.46 4.04 -40.87	87.70 3.77 -29.20	58.03 3.67 -1.38	54.43 3.51 -0.50	51.14 3.12 0.00	50.23 3.17 0.00
LIPA_MISC_IPP 23656	60.99 2.22 -13.46	50.83 2.15 0.00	45.78 1.89 0.00	47.22 1.77 0.00	47.88 1.85 0.00	49.52 2.28 0.00	66.87 3.44 -0.75	93.03 3.54 -11.76	89.84 3.77 0.00	126.70 5.45 -5.51	73.26 3.40 -10.14	55.47 3.07 -2.04	64.31 3.22 -8.13	146.42 3.44 -89.04	66.79 2.47 -10.47	87.66 3.18 -13.01	122.45 3.65 -36.45	164.29 4.88 -67.39	108.31 3.19 -47.56	92.68 2.87 -35.08	62.89 2.75 -7.16	55.78 2.77 -2.58	50.49 2.47 0.00	49.64 2.58 0.00
LISF____SOLAR 323691	60.96 2.32 -13.33	50.94 2.26 0.00	45.86 1.96 0.00	47.32 1.87 0.00	47.97 1.94 0.00	49.61 2.36 0.00	66.97 3.57 -0.72	92.79 3.71 -11.35	90.01 3.93 0.00	126.70 5.64 -5.32	73.39 3.53 -10.15	55.52 3.14 -2.02	64.12 3.30 -7.85	145.90 3.51 -88.45	66.59 2.56 -10.18	87.38 3.31 -12.60	122.04 3.81 -35.88	163.75 5.09 -66.64	107.99 3.33 -47.11	92.42 2.99 -34.71	62.75 2.86 -6.92	55.79 2.87 -2.49	50.59 2.57 0.00	49.72 2.66 0.00
LITTLE FALLS____HYD 24013	49.05 3.74 0.00	52.70 4.03 0.00	47.58 3.68 0.00	49.21 3.76 0.00	49.88 3.85 0.00	51.34 4.09 0.00	67.76 5.08 0.00	84.10 6.38 0.00	93.28 7.21 0.00	125.22 9.48 0.00	64.64 4.93 0.00	54.35 3.99 0.00	57.06 4.09 0.00	58.19 4.25 0.00	58.30 4.45 0.00	77.34 5.87 0.00	89.02 6.67 0.00	98.78 6.76 0.00	62.13 4.57 0.00	58.92 4.20 0.00	57.06 4.08 0.00	54.41 3.98 0.00	51.70 3.68 0.00	50.40 3.34 0.00

LITTLRIV_115KV_TB1 356100	46.90 1.59 0.00	50.33 1.66 0.00	45.26 1.37 0.00	46.95 1.50 0.00	47.63 1.60 0.00	48.99 1.75 0.00	65.38 2.70 0.00	81.17 3.45 0.00	90.30 4.22 0.00	121.99 6.24 0.00	62.82 3.11 0.00	52.41 2.04 0.00	55.04 2.07 0.00	55.93 1.99 0.00	55.86 2.01 0.00	73.94 2.46 0.00	85.07 2.73 0.00	94.77 2.76 0.00	58.88 1.32 0.00	56.13 1.41 0.00	54.68 1.69 0.00	52.36 1.94 0.00	49.98 1.96 0.00	49.08 2.03 0.00
LI_NEWBRDGE___DRP 323616	55.72 2.06 -8.35	50.70 2.02 0.00	45.66 1.77 0.00	47.12 1.67 0.00	47.74 1.71 0.00	49.27 2.02 0.00	65.64 2.96 0.00	80.78 3.06 0.00	89.66 3.59 0.00	120.47 4.72 -0.01	71.59 2.86 -9.01	54.20 2.57 -1.27	55.52 2.55 -0.01	120.17 3.05 -63.18	57.81 2.18 -1.78	75.56 2.93 -1.15	103.15 3.24 -17.57	136.27 4.17 -40.09	90.41 2.76 -30.08	78.57 2.55 -21.30	55.50 2.52 0.00	52.93 2.50 0.00	50.22 2.20 0.00	49.38 2.32 0.00
LOCKPORT_115KV_TB60_63_64 80432	36.72 -3.08 5.50	45.00 -3.67 0.00	40.65 -3.24 0.00	41.82 -3.64 0.00	38.99 -3.39 3.65	43.18 -4.07 0.00	57.44 -5.24 0.00	70.19 -6.69 0.84	78.20 -7.87 0.00	105.43 -10.31 0.00	47.91 -5.21 6.59	34.03 -4.14 12.18	29.94 -4.43 18.60	36.67 -4.49 12.77	38.02 -4.59 11.24	63.94 -6.58 0.95	72.82 -7.01 2.52	78.14 -8.17 5.71	51.35 -5.41 0.81	49.20 -5.52 0.00	45.43 -5.57 1.99	41.35 -5.27 3.81	43.09 -4.93 0.00	42.77 -4.28 0.00
LOCKPORT___CC1 323769	36.50 -3.16 5.65	45.00 -3.68 0.00	40.59 -3.30 0.00	41.93 -3.52 0.00	38.80 -3.48 3.75	43.12 -4.13 0.00	57.39 -5.29 0.00	69.99 -6.87 0.86	78.05 -8.02 0.00	105.22 -10.52 0.00	47.50 -5.47 6.73	33.54 -4.34 12.48	29.22 -4.68 19.06	36.17 -4.68 13.09	37.59 -4.74 11.51	63.82 -6.69 0.98	72.60 -7.17 2.58	77.76 -8.41 5.86	51.24 -5.50 0.83	49.11 -5.61 0.00	45.25 -5.69 2.04	41.14 -5.37 3.91	43.03 -4.98 0.00	42.72 -4.34 0.00
LOCKPORT___CC2 323770	36.50 -3.16 5.65	45.00 -3.68 0.00	40.59 -3.30 0.00	41.93 -3.52 0.00	38.80 -3.48 3.75	43.12 -4.13 0.00	57.39 -5.29 0.00	69.99 -6.87 0.86	78.05 -8.02 0.00	105.22 -10.52 0.00	47.50 -5.47 6.73	33.54 -4.34 12.48	29.22 -4.68 19.06	36.17 -4.68 13.09	37.59 -4.74 11.51	63.82 -6.69 0.98	72.60 -7.17 2.58	77.76 -8.41 5.86	51.24 -5.50 0.83	49.11 -5.61 0.00	45.25 -5.69 2.04	41.14 -5.37 3.91	43.03 -4.98 0.00	42.72 -4.34 0.00
LOCKPORT___CC3 323771	36.50 -3.16 5.65	45.00 -3.68 0.00	40.59 -3.30 0.00	41.93 -3.52 0.00	38.80 -3.48 3.75	43.12 -4.13 0.00	57.39 -5.29 0.00	69.99 -6.87 0.86	78.05 -8.02 0.00	105.22 -10.52 0.00	47.50 -5.47 6.73	33.54 -4.34 12.48	29.22 -4.68 19.06	36.17 -4.68 13.09	37.59 -4.74 11.51	63.82 -6.69 0.98	72.60 -7.17 2.58	77.76 -8.41 5.86	51.24 -5.50 0.83	49.11 -5.61 0.00	45.25 -5.69 2.04	41.14 -5.37 3.91	43.03 -4.98 0.00	42.72 -4.34 0.00
LOCUSVLY_69_KV_BK2 55797	60.74 2.50 -12.93	51.17 2.49 0.00	46.05 2.16 0.00	47.53 2.08 0.00	48.16 2.13 0.00	49.69 2.44 0.00	66.07 3.56 0.16	79.08 3.91 2.55	90.54 4.47 0.00	120.49 5.92 1.18	78.10 3.47 -14.91	55.41 3.09 -1.96	54.31 3.09 1.75	157.93 3.44 -100.55	57.77 2.82 -1.10	74.56 3.73 0.64	111.95 4.16 -25.44	158.70 5.19 -61.49	107.75 3.40 -46.79	90.66 3.12 -32.82	54.48 3.05 1.55	52.86 3.00 0.56	50.66 2.65 0.00	49.75 2.69 0.00
LONG_LAKE_PHOENIX 24014	47.10 -1.54 -3.33	51.19 -1.72 -4.24	45.30 -1.52 -2.92	47.16 -1.64 -3.34	47.93 -1.61 -3.51	45.91 -1.70 -0.36	60.52 -2.16 0.00	75.07 -2.66 0.00	83.14 -2.94 0.00	111.86 -3.89 0.00	57.66 -2.05 0.00	48.68 -1.69 0.00	51.11 -1.86 0.00	52.05 -1.89 0.00	51.97 -1.88 0.00	68.99 -2.48 0.00	79.55 -2.79 0.00	88.80 -3.22 0.00	55.55 -2.01 0.00	52.74 -1.97 0.00	50.98 -2.00 0.00	48.51 -1.92 0.00	46.11 -1.91 0.00	45.18 -1.88 0.00
LOVETT___3 23632	47.32 2.00 0.00	50.60 1.92 0.00	45.52 1.63 0.00	47.04 1.59 0.00	47.63 1.60 0.00	49.11 1.87 0.00	65.61 2.93 0.00	81.05 3.32 0.00	89.75 3.68 0.00	120.20 4.46 0.00	62.24 2.53 0.00	52.71 2.35 0.00	55.33 2.36 0.00	56.39 2.45 0.00	56.16 2.31 0.00	74.46 2.98 0.00	85.61 3.26 0.00	96.15 4.13 0.00	60.23 2.66 0.00	57.14 2.42 0.00	55.37 2.39 0.00	52.77 2.34 0.00	49.99 1.98 0.00	49.11 2.05 0.00
LOVETT___4 23642	47.32 2.00 0.00	50.60 1.92 0.00	45.52 1.63 0.00	47.04 1.59 0.00	47.63 1.60 0.00	49.11 1.87 0.00	65.61 2.93 0.00	81.05 3.32 0.00	89.75 3.68 0.00	120.20 4.46 0.00	62.24 2.53 0.00	52.71 2.35 0.00	55.33 2.36 0.00	56.39 2.45 0.00	56.16 2.31 0.00	74.46 2.98 0.00	85.61 3.26 0.00	96.15 4.13 0.00	60.23 2.66 0.00	57.14 2.42 0.00	55.37 2.39 0.00	52.77 2.34 0.00	49.99 1.98 0.00	49.11 2.05 0.00
LOVETT___5 23593	47.32 2.00 0.00	50.60 1.92 0.00	45.52 1.63 0.00	47.04 1.59 0.00	47.63 1.60 0.00	49.11 1.87 0.00	65.61 2.93 0.00	81.05 3.32 0.00	89.75 3.68 0.00	120.20 4.46 0.00	62.24 2.53 0.00	52.71 2.35 0.00	55.33 2.36 0.00	56.39 2.45 0.00	56.16 2.31 0.00	74.46 2.98 0.00	85.61 3.26 0.00	96.15 4.13 0.00	60.23 2.66 0.00	57.14 2.42 0.00	55.37 2.39 0.00	52.77 2.34 0.00	49.99 1.98 0.00	49.11 2.05 0.00
LOWER RAQUET___HYD 24057	46.35 1.04 0.00	49.71 1.04 0.00	44.72 0.83 0.00	46.32 0.87 0.00	47.05 1.02 0.00	48.36 1.12 0.00	64.44 1.77 0.00	79.99 2.26 0.00	88.73 2.66 0.00	119.70 3.96 0.00	61.77 2.06 0.00	51.74 1.37 0.00	54.32 1.35 0.00	55.21 1.27 0.00	55.10 1.25 0.00	72.86 1.38 0.00	83.62 1.28 0.00	93.20 1.19 0.00	57.91 0.35 0.00	55.25 0.54 0.00	53.95 0.97 0.00	51.68 1.25 0.00	49.29 1.27 0.00	48.44 1.38 0.00
LOWER___HUDSON 24059	46.54 1.23 0.00	50.11 1.43 0.00	45.25 1.36 0.00	46.86 1.40 0.00	47.40 1.37 0.00	48.66 1.42 0.00	63.97 1.30 0.00	79.57 1.84 0.00	88.47 2.40 0.00	118.81 3.06 0.00	61.16 1.45 0.00	51.50 1.14 0.00	54.11 1.14 0.00	55.03 1.09 0.00	55.11 1.26 0.00	73.12 1.64 0.00	84.13 1.78 0.00	93.66 1.64 0.00	59.15 1.59 0.00	56.27 1.55 0.00	54.59 1.61 0.00	51.92 1.50 0.00	49.41 1.40 0.00	48.22 1.16 0.00
LOWVILLE_115KV_TB2 356335	46.82 0.96 -0.55	49.68 0.30 -0.71	44.27 -0.11 -0.49	45.75 -0.26 -0.56	46.51 -0.11 -0.59	47.52 0.21 -0.06	63.15 0.47 0.00	78.19 0.47 0.00	86.98 0.90 0.00	118.09 2.34 0.00	60.93 1.22 0.00	51.29 0.93 0.00	53.08 0.11 0.00	53.53 -0.41 0.00	53.46 -0.40 0.00	71.16 -0.31 0.00	82.59 0.24 0.00	92.38 0.36 0.00	56.90 -0.66 0.00	53.83 -0.89 0.00	52.22 -0.76 0.00	50.17 -0.26 0.00	47.29 -0.73 0.00	46.78 -0.28 0.00
LUTHERFT_115KV_GLOB_FND_222 355753	47.14 1.83 0.00	50.70 2.03 0.00	45.76 1.87 0.00	47.36 1.91 0.00	47.96 1.92 0.00	49.33 2.08 0.00	65.12 2.45 0.00	80.92 3.19 0.00	89.91 3.84 0.00	120.68 4.93 0.00	62.12 2.41 0.00	52.24 1.88 0.00	54.91 1.95 0.00	55.91 1.97 0.00	55.94 2.09 0.00	74.28 2.81 0.00	85.62 3.27 0.00	95.37 3.35 0.00	60.11 2.55 0.00	57.12 2.41 0.00	55.39 2.41 0.00	52.63 2.21 0.00	50.05 2.03 0.00	48.80 1.74 0.00

LUTHERNY_35_KV_BK2 355980	47.14 1.83 0.00	50.69 2.02 0.00	45.78 1.89 0.00	47.36 1.91 0.00	47.99 1.96 0.00	49.36 2.12 0.00	65.16 2.48 0.00	80.99 3.27 0.00	90.01 3.94 0.00	120.75 5.00 0.00	62.12 2.41 0.00	52.26 1.90 0.00	54.95 1.98 0.00	56.01 2.07 0.00	55.97 2.12 0.00	74.41 2.93 0.00	85.73 3.38 0.00	95.53 3.51 0.00	60.16 2.60 0.00	57.16 2.44 0.00	55.43 2.45 0.00	52.67 2.24 0.00	50.05 2.03 0.00	48.83 1.77 0.00
LWR___OSWEGATCHIE_HYD 23850	46.48 0.65 -0.51	49.66 0.34 -0.65	44.40 0.06 -0.45	46.00 0.03 -0.52	46.71 0.13 -0.54	47.55 0.25 -0.06	63.29 0.61 0.00	78.52 0.79 0.00	87.20 1.13 0.00	118.01 2.27 0.00	60.95 1.23 0.00	51.20 0.83 0.00	53.35 0.38 0.00	54.02 0.08 0.00	53.88 0.03 0.00	71.31 -0.16 0.00	82.22 -0.12 0.00	91.77 -0.25 0.00	56.79 -0.77 0.00	53.95 -0.77 0.00	52.56 -0.42 0.00	50.53 0.10 0.00	47.92 -0.10 0.00	47.24 0.18 0.00
LYONS_FALL_HYD 23570	46.61 0.95 -0.35	49.68 0.56 -0.45	44.47 0.27 -0.31	45.97 0.17 -0.35	46.69 0.28 -0.37	47.82 0.54 -0.04	63.60 0.92 0.00	78.65 0.93 0.00	87.35 1.27 0.00	118.25 2.51 0.00	61.01 1.30 0.00	51.39 1.03 0.00	53.42 0.45 0.00	54.03 0.09 0.00	54.10 0.25 0.00	71.99 0.52 0.00	83.30 0.95 0.00	93.11 1.09 0.00	57.71 0.15 0.00	54.64 -0.08 0.00	52.95 -0.03 0.00	50.66 0.24 0.00	47.90 -0.12 0.00	47.18 0.13 0.00
MADISON___COUNTY_LFGE 323628	46.38 1.07 0.00	49.72 1.05 0.00	44.85 0.96 0.00	46.38 0.92 0.00	47.07 1.04 0.00	48.49 1.25 0.00	64.61 1.93 0.00	80.40 2.48 -0.20	88.99 2.92 0.00	119.60 3.86 0.00	63.31 1.97 -1.62	54.89 1.66 -2.87	58.38 1.70 -3.71	58.10 1.84 -2.32	55.34 1.49 0.00	73.46 1.99 0.00	84.74 2.39 0.00	94.57 2.34 -0.21	59.15 1.38 -0.21	55.86 1.15 0.00	54.02 1.04 0.00	51.38 0.95 0.00	48.76 0.74 0.00	47.76 0.70 0.00
MALONE___115KV_TB1 356076	46.32 1.01 0.00	49.76 1.09 0.00	44.81 0.92 0.00	46.54 1.08 0.00	47.22 1.19 0.00	48.51 1.27 0.00	64.59 1.92 0.00	80.19 2.46 0.00	88.68 2.60 0.00	119.38 3.64 0.00	61.60 1.89 0.00	51.79 1.43 0.00	54.49 1.53 0.00	55.46 1.52 0.00	55.37 1.51 0.00	73.32 1.85 0.00	84.84 2.49 0.00	95.04 3.02 0.00	59.07 1.51 0.00	56.11 1.39 0.00	54.41 1.42 0.00	51.94 1.51 0.00	49.53 1.52 0.00	48.62 1.56 0.00
MAPLEWOD_115KV_TB3 80458	46.41 1.09 0.00	49.89 1.22 0.00	45.10 1.22 0.00	46.68 1.22 0.00	47.23 1.20 0.00	48.46 1.21 0.00	63.74 1.07 0.00	79.26 1.53 0.00	88.05 1.97 0.00	118.22 2.48 0.00	60.95 1.24 0.00	51.41 1.05 0.00	54.02 1.05 0.00	54.94 1.00 0.00	55.03 1.18 0.00	72.90 1.42 0.00	83.89 1.54 0.00	93.43 1.41 0.00	58.96 1.41 0.00	56.06 1.34 0.00	54.36 1.38 0.00	51.79 1.37 0.00	49.33 1.31 0.00	48.19 1.13 0.00
MAPLE_RIDGE_WT_1 323574	45.07 -0.24 0.00	48.12 -0.55 0.00	43.36 -0.53 0.00	44.94 -0.51 0.00	45.57 -0.46 0.00	46.93 -0.31 0.00	62.01 -0.67 0.00	76.79 -0.93 0.00	85.13 -0.95 0.00	114.78 -0.96 0.00	59.17 -0.54 0.00	49.85 -0.51 0.00	52.40 -0.57 0.00	53.26 -0.68 0.00	53.17 -0.68 0.00	70.58 -0.89 0.00	81.37 -0.98 0.00	91.61 -0.41 0.00	57.06 -0.50 0.00	53.77 -0.95 0.00	51.94 -1.05 0.00	49.51 -0.92 0.00	47.38 -0.63 0.00	46.60 -0.45 0.00
MAPLE_RIDGE_WT_2 323611	45.07 -0.24 0.00	48.12 -0.55 0.00	43.36 -0.53 0.00	44.94 -0.51 0.00	45.57 -0.46 0.00	46.93 -0.31 0.00	62.01 -0.67 0.00	76.79 -0.93 0.00	85.13 -0.95 0.00	114.78 -0.96 0.00	59.17 -0.54 0.00	49.85 -0.51 0.00	52.40 -0.57 0.00	53.26 -0.68 0.00	53.17 -0.68 0.00	70.58 -0.89 0.00	81.37 -0.98 0.00	91.61 -0.41 0.00	57.06 -0.50 0.00	53.77 -0.95 0.00	51.94 -1.05 0.00	49.51 -0.92 0.00	47.38 -0.63 0.00	46.60 -0.45 0.00
MARBLE_RIVER_WT_PWR 323696	45.47 0.15 0.00	48.90 0.22 0.00	44.10 0.21 0.00	45.79 0.34 0.00	46.50 0.47 0.00	47.72 0.48 0.00	63.33 0.66 0.00	78.57 0.84 0.00	86.79 0.71 0.00	116.74 1.00 0.00	60.32 0.60 0.00	50.80 0.44 0.00	53.53 0.56 0.00	54.52 0.57 0.00	54.38 0.53 0.00	71.96 0.49 0.00	83.27 0.92 0.00	93.35 1.33 0.00	58.07 0.51 0.00	55.10 0.39 0.00	53.43 0.45 0.00	51.07 0.64 0.00	48.76 0.74 0.00	47.84 0.78 0.00
MARSHVLE_115KV_TB1 80742	45.32 0.01 0.00	48.56 -0.11 0.00	43.76 -0.13 0.00	45.20 -0.26 0.00	45.85 -0.18 0.00	47.17 -0.08 0.00	62.90 0.22 0.00	78.25 0.52 0.00	86.27 0.20 0.00	116.02 0.28 0.00	59.99 0.28 0.00	50.47 0.11 0.00	53.19 0.22 0.00	54.14 0.20 0.00	54.09 0.24 0.00	71.74 0.26 0.00	82.51 0.16 0.00	92.55 0.53 0.00	57.55 -0.01 0.00	54.39 -0.33 0.00	52.54 -0.45 0.00	50.09 -0.34 0.00	47.56 -0.46 0.00	46.62 -0.44 0.00
MARSH_HILL_WT_PWR 323713	21.24 -3.81 20.26	44.31 -4.36 0.00	39.94 -3.95 0.00	40.94 -4.51 0.00	28.03 -4.55 13.44	42.28 -4.97 0.00	55.94 -6.73 0.00	65.65 -8.96 3.11	76.11 -9.96 0.00	101.84 -13.90 0.00	24.98 -7.50 27.23	-2.73 -6.46 46.62	-18.34 -7.00 64.31	5.11 -6.29 42.54	9.91 -6.55 37.39	59.64 -8.66 3.17	64.91 -9.07 8.37	62.69 -10.02 19.31	48.53 -6.05 2.98	48.37 -6.35 0.00	38.51 -7.14 7.33	29.94 -6.47 14.02	42.12 -5.90 0.00	41.72 -5.34 0.00
MCINTYRE_115KV_TB2 80467	47.18 1.87 0.00	50.64 1.97 0.00	45.56 1.67 0.00	47.27 1.82 0.00	47.96 1.93 0.00	49.35 2.10 0.00	65.85 3.17 0.00	81.77 4.05 0.00	91.30 5.22 0.00	123.69 7.95 0.00	63.58 3.87 0.00	52.73 2.37 0.00	55.41 2.44 0.00	56.33 2.39 0.00	56.31 2.46 0.00	74.64 3.16 0.00	86.10 3.76 0.00	96.13 4.11 0.00	59.75 2.19 0.00	56.91 2.19 0.00	55.28 2.30 0.00	52.78 2.35 0.00	50.37 2.35 0.00	49.44 2.39 0.00
MECO_____69_KV_BK1 80468	46.70 1.39 0.00	50.09 1.42 0.00	45.14 1.25 0.00	46.66 1.20 0.00	47.32 1.29 0.00	48.74 1.50 0.00	64.98 2.31 0.00	80.93 3.21 0.00	89.31 3.24 0.00	119.98 4.24 0.00	61.88 2.17 0.00	51.95 1.59 0.00	54.82 1.86 0.00	55.72 1.78 0.00	55.85 2.00 0.00	74.12 2.64 0.00	85.50 3.15 0.00	95.84 3.83 0.00	59.83 2.27 0.00	56.62 1.90 0.00	54.65 1.67 0.00	51.94 1.51 0.00	49.28 1.26 0.00	48.20 1.14 0.00
MENANDS___115KV_TB5 355628	46.19 0.88 0.00	49.67 1.00 0.00	44.93 1.03 0.00	46.47 1.02 0.00	47.02 0.99 0.00	48.23 0.99 0.00	63.36 0.68 0.00	78.81 1.08 0.00	87.53 1.46 0.00	117.51 1.77 0.00	60.59 0.88 0.00	51.15 0.79 0.00	53.74 0.78 0.00	54.64 0.70 0.00	54.74 0.89 0.00	72.51 1.04 0.00	83.40 1.05 0.00	92.83 0.81 0.00	58.62 1.06 0.00	55.75 1.04 0.00	54.08 1.10 0.00	51.55 1.12 0.00	49.14 1.12 0.00	48.02 0.96 0.00
MG INDUSTRY___DRP 24185	46.14 0.83 0.00	49.60 0.93 0.00	44.89 1.00 0.00	46.45 1.00 0.00	46.98 0.95 0.00	48.17 0.93 0.00	63.49 0.81 0.00	78.81 1.08 0.00	87.42 1.35 0.00	117.31 1.56 0.00	60.47 0.77 0.00	51.05 0.69 0.00	53.70 0.74 0.00	54.62 0.68 0.00	54.68 0.83 0.00	72.60 1.13 0.00	83.56 1.21 0.00	93.10 1.08 0.00	58.64 1.08 0.00	55.79 1.08 0.00	54.11 1.13 0.00	51.56 1.13 0.00	49.14 1.12 0.00	48.10 1.04 0.00

MID___OSWEGATCHIE_HYD 23849	46.48 0.65 -0.51	49.66 0.34 -0.65	44.40 0.06 -0.45	46.00 0.03 -0.52	46.71 0.13 -0.54	47.55 0.25 -0.06	63.29 0.61 0.00	78.52 0.79 0.00	87.20 1.13 0.00	118.01 2.27 0.00	60.95 1.23 0.00	51.20 0.83 0.00	53.35 0.38 0.00	54.02 0.08 0.00	53.88 0.03 0.00	71.31 -0.16 0.00	82.22 -0.12 0.00	91.77 -0.25 0.00	56.79 -0.77 0.00	53.95 -0.77 0.00	52.56 -0.42 0.00	50.53 0.10 0.00	47.92 -0.10 0.00	47.24 0.18 0.00
MID___RAQUETTE_HYD 23851	46.35 1.04 0.00	49.74 1.07 0.00	44.73 0.84 0.00	46.40 0.95 0.00	47.05 1.02 0.00	48.36 1.12 0.00	64.44 1.77 0.00	79.99 2.26 0.00	88.73 2.65 0.00	119.70 3.95 0.00	61.74 2.03 0.00	51.74 1.38 0.00	54.32 1.35 0.00	55.20 1.26 0.00	55.09 1.24 0.00	72.86 1.38 0.00	83.62 1.28 0.00	93.21 1.19 0.00	57.91 0.35 0.00	55.25 0.54 0.00	53.95 0.97 0.00	51.68 1.25 0.00	49.29 1.27 0.00	48.44 1.38 0.00
MILLIKEN___1 23584	63.21 0.36 -17.54	49.40 0.24 -0.49	44.43 0.20 -0.33	45.96 0.13 -0.38	58.02 0.20 -11.78	47.52 0.24 -0.04	63.31 0.63 0.00	81.12 0.76 -2.64	86.90 0.83 0.00	116.77 1.03 0.00	81.93 0.40 -21.81	89.53 0.37 -38.79	103.84 0.32 -50.55	86.20 0.44 -31.82	82.14 0.39 -27.90	74.43 0.58 -2.37	89.35 0.75 -6.25	107.95 0.72 -15.21	61.02 0.44 -3.03	54.98 0.26 0.00	58.22 0.12 -5.12	61.97 0.03 -11.51	47.97 -0.05 0.00	46.99 -0.07 0.00
MILLIKEN___2 23585	63.21 0.36 -17.54	49.40 0.24 -0.49	44.43 0.20 -0.33	45.96 0.13 -0.38	58.02 0.20 -11.78	47.52 0.24 -0.04	63.31 0.63 0.00	81.12 0.76 -2.64	86.90 0.83 0.00	116.77 1.03 0.00	81.93 0.40 -21.81	89.53 0.37 -38.79	103.84 0.32 -50.55	86.20 0.44 -31.82	82.14 0.39 -27.90	74.43 0.58 -2.37	89.35 0.75 -6.25	107.95 0.72 -15.21	61.02 0.44 -3.03	54.98 0.26 0.00	58.22 0.12 -5.12	61.97 0.03 -11.51	47.97 -0.05 0.00	46.99 -0.07 0.00
MILLIKEN___DIESEL 23629	63.21 0.36 -17.54	49.40 0.24 -0.49	44.43 0.20 -0.33	45.96 0.13 -0.38	58.02 0.20 -11.78	47.52 0.24 -0.04	63.31 0.63 0.00	81.12 0.76 -2.64	86.90 0.83 0.00	116.77 1.03 0.00	81.93 0.40 -21.81	89.53 0.37 -38.79	103.84 0.32 -50.55	86.20 0.44 -31.82	82.14 0.39 -27.90	74.43 0.58 -2.37	89.35 0.75 -6.25	107.95 0.72 -15.21	61.02 0.44 -3.03	54.98 0.26 0.00	58.22 0.12 -5.12	61.97 0.03 -11.51	47.97 -0.05 0.00	46.99 -0.07 0.00
MILLSEAT___LFGE 323607	38.15 -2.07 5.09	46.18 -2.50 0.00	41.63 -2.26 0.00	43.02 -2.43 0.00	40.32 -2.34 3.38	44.39 -2.85 0.00	59.25 -3.43 0.00	72.55 -4.40 0.78	80.75 -5.33 0.00	108.80 -6.94 0.00	49.91 -3.68 6.12	36.23 -2.84 11.29	32.65 -3.11 17.21	39.03 -3.08 11.83	40.34 -3.11 10.41	66.12 -4.48 0.88	75.49 -4.53 2.33	81.36 -5.36 5.29	53.20 -3.61 0.75	50.88 -3.84 0.00	47.15 -3.99 1.84	43.05 -3.86 3.52	44.37 -3.65 0.00	43.93 -3.13 0.00
MILLWOOD_138_KV_38W41_REV_LBMP_H 345005	47.37 2.06 0.00	50.67 2.00 0.00	45.60 1.71 0.00	47.12 1.67 0.00	47.71 1.68 0.00	49.19 1.95 0.00	65.57 2.90 0.00	80.95 3.22 0.00	89.50 3.43 0.00	120.23 4.49 0.00	62.25 2.54 0.00	52.72 2.36 0.00	55.35 2.38 0.00	56.42 2.49 0.00	56.18 2.33 0.00	74.47 3.00 0.00	85.57 3.22 0.00	96.07 4.05 0.00	60.20 2.64 0.00	57.12 2.40 0.00	55.37 2.39 0.00	52.77 2.35 0.00	50.00 1.99 0.00	49.04 1.98 0.00
MILLWOOD_13_KV_LOAD 356217	47.46 2.15 0.00	50.77 2.10 0.00	45.68 1.79 0.00	47.20 1.75 0.00	47.81 1.77 0.00	49.28 2.03 0.00	65.73 3.05 0.00	81.13 3.41 0.00	89.73 3.66 0.00	120.51 4.77 0.00	62.42 2.70 0.00	52.85 2.49 0.00	55.47 2.50 0.00	56.54 2.60 0.00	56.31 2.46 0.00	74.63 3.15 0.00	85.77 3.43 0.00	96.31 4.30 0.00	60.36 2.80 0.00	57.28 2.56 0.00	55.51 2.53 0.00	52.88 2.45 0.00	50.11 2.09 0.00	49.13 2.07 0.00
MODEL_CITY_ENERGY 24167	36.22 -3.43 5.66	44.72 -3.95 0.00	40.36 -3.54 0.00	41.69 -3.76 0.00	38.55 -3.73 3.76	42.76 -4.48 0.00	56.80 -5.88 0.00	69.30 -7.56 0.87	77.25 -8.82 0.00	104.14 -11.60 0.00	46.97 -5.95 6.79	33.17 -4.65 12.54	28.85 -4.98 19.14	35.75 -5.04 13.15	37.16 -5.12 11.57	63.12 -7.37 0.98	71.82 -7.94 2.59	76.83 -9.30 5.88	50.68 -6.05 0.83	48.59 -6.13 0.00	44.81 -6.14 2.04	40.75 -5.76 3.92	42.62 -5.40 0.00	42.34 -4.72 0.00
MODERN_LFGE___ 323580	36.22 -3.43 5.66	44.72 -3.95 0.00	40.36 -3.54 0.00	41.69 -3.76 0.00	38.55 -3.73 3.76	42.76 -4.48 0.00	56.80 -5.88 0.00	69.30 -7.56 0.87	77.25 -8.82 0.00	104.14 -11.60 0.00	46.97 -5.95 6.79	33.17 -4.65 12.54	28.85 -4.98 19.14	35.75 -5.04 13.15	37.16 -5.12 11.57	63.12 -7.37 0.98	71.82 -7.94 2.59	76.83 -9.30 5.88	50.68 -6.05 0.83	48.59 -6.13 0.00	44.81 -6.14 2.04	40.75 -5.76 3.92	42.62 -5.40 0.00	42.34 -4.72 0.00
MOHAWK_PAPER___DRP 24187	46.41 1.09 0.00	49.89 1.22 0.00	45.10 1.22 0.00	46.68 1.22 0.00	47.23 1.20 0.00	48.46 1.21 0.00	63.74 1.07 0.00	79.26 1.53 0.00	88.05 1.97 0.00	118.22 2.48 0.00	60.95 1.24 0.00	51.41 1.05 0.00	54.02 1.05 0.00	54.94 1.00 0.00	55.03 1.18 0.00	72.90 1.42 0.00	83.89 1.54 0.00	93.43 1.41 0.00	58.96 1.41 0.00	56.06 1.34 0.00	54.36 1.38 0.00	51.79 1.37 0.00	49.33 1.31 0.00	48.19 1.13 0.00
MOHICAN___35_KV_115KV_LD 80490	47.58 2.26 0.00	51.17 2.49 0.00	46.07 2.18 0.00	47.76 2.31 0.00	48.36 2.32 0.00	49.82 2.57 0.00	65.75 3.07 0.00	81.87 4.14 0.00	91.02 4.94 0.00	121.92 6.17 0.00	62.68 2.97 0.00	52.52 2.16 0.00	55.21 2.24 0.00	56.20 2.26 0.00	56.32 2.47 0.00	74.81 3.34 0.00	86.44 4.09 0.00	96.03 4.01 0.00	60.80 3.24 0.00	57.66 2.94 0.00	55.98 3.00 0.00	53.10 2.67 0.00	50.51 2.49 0.00	49.05 2.00 0.00
MONGAUP___HYD 23641	47.59 2.28 0.00	50.94 2.26 0.00	45.86 1.97 0.00	47.41 1.96 0.00	48.01 1.98 0.00	49.47 2.23 0.00	65.96 3.28 0.00	81.57 3.85 0.00	90.00 3.92 0.00	121.13 5.39 0.00	62.57 2.87 0.00	52.74 2.38 0.00	55.40 2.43 0.00	56.42 2.48 0.00	56.26 2.41 0.00	74.80 3.32 0.00	86.18 3.83 0.00	96.77 4.75 0.00	60.66 3.10 0.00	57.58 2.86 0.00	55.76 2.78 0.00	53.08 2.65 0.00	50.29 2.27 0.00	49.16 2.11 0.00
MONTAUK___DIESEL 23721	59.83 1.12 -13.40	49.59 0.92 0.00	44.66 0.77 0.00	46.12 0.67 0.00	46.75 0.72 0.00	48.48 1.23 0.00	65.72 2.31 -0.73	91.59 2.28 -11.57	89.07 2.99 0.00	128.99 7.83 -5.42	74.96 5.11 -10.15	57.39 4.99 -2.03	66.30 5.32 -8.00	148.18 5.48 -88.76	67.03 2.84 -10.34	86.22 1.92 -12.82	121.25 2.71 -36.19	163.08 4.01 -67.05	107.21 2.30 -47.35	91.63 2.00 -34.91	61.73 1.70 -7.05	54.67 1.70 -2.54	49.70 1.68 0.00	48.57 1.51 0.00
MOONROAD_115KV_HARTFLD_TB1-2 355988	35.62 -2.68 7.01	45.47 -3.20 0.00	40.92 -2.97 0.00	42.15 -3.30 0.00	38.24 -3.14 4.65	44.06 -3.19 0.00	59.07 -3.61 0.00	71.79 -4.87 1.07	80.08 -6.00 0.00	107.78 -7.96 0.00	46.79 -4.39 8.53	31.41 -3.37 15.58	25.53 -3.70 23.74	34.21 -3.40 16.33	35.70 -3.79 14.36	65.10 -5.15 1.22	74.06 -5.07 3.22	77.11 -7.61 7.29	51.78 -4.76 1.02	49.48 -5.24 0.00	44.91 -5.62 2.45	40.20 -5.40 4.82	43.35 -4.67 0.00	42.81 -4.25 0.00

MORRIS_RIDGE___SOLAR 323848	29.34 -3.59 12.38	44.70 -3.98 0.00	40.16 -3.73 0.00	41.42 -4.03 0.00	33.72 -4.10 8.21	42.87 -4.37 0.00	56.98 -5.69 0.00	68.18 -7.65 1.90	77.58 -8.49 0.00	103.93 -11.81 0.00	34.85 -6.62 18.23	15.26 -5.58 29.52	6.16 -6.00 40.81	20.75 -5.57 27.63	23.96 -5.62 24.27	62.11 -7.31 2.06	69.17 -7.74 5.44	70.78 -8.82 12.42	50.27 -5.48 1.82	48.97 -5.75 0.00	42.03 -6.18 4.77	35.93 -5.83 8.66	42.83 -5.19 0.00	42.37 -4.68 0.00
MORTIMER_115KV_TB3 55949	40.28 -1.65 3.38	46.62 -2.05 0.00	42.09 -1.80 0.00	43.42 -2.03 0.00	41.92 -1.87 2.25	45.14 -2.10 0.00	60.28 -2.40 0.00	74.13 -3.08 0.52	82.30 -3.77 0.00	110.81 -4.93 0.00	52.92 -2.62 4.17	40.64 -2.13 7.60	39.15 -2.31 11.50	43.76 -2.25 7.93	44.56 -2.31 6.98	67.80 -3.08 0.59	77.61 -3.18 1.56	84.72 -3.75 3.55	54.56 -2.51 0.49	52.08 -2.64 0.00	48.92 -2.81 1.25	45.33 -2.74 2.35	45.42 -2.60 0.00	44.78 -2.28 0.00
MOTTHAVN_138_KV_9M4_REV_LBMP_J 345006	47.69 2.38 0.00	50.97 2.29 0.00	45.87 1.98 0.00	47.39 1.94 0.00	47.98 1.95 0.00	49.49 2.25 0.00	65.97 3.29 0.00	81.42 3.69 0.00	90.07 3.99 0.00	120.99 5.25 0.00	62.72 3.01 0.00	53.14 2.78 0.00	55.80 2.83 0.00	56.89 2.95 0.00	56.64 2.79 0.00	75.01 3.54 0.00	86.09 3.74 0.00	96.66 4.64 0.00	60.58 3.02 0.00	57.50 2.78 0.00	55.73 2.75 0.00	53.13 2.71 0.00	50.33 2.31 0.00	49.34 2.28 0.00
MUNSVILLE_WIND_PWR 323609	56.01 2.16 -8.54	50.76 2.09 0.00	45.87 1.98 0.00	47.43 1.97 0.00	53.72 2.02 -5.66	49.65 2.41 0.00	66.35 3.67 0.00	83.69 4.65 -1.31	90.97 4.89 0.00	121.88 6.13 0.00	73.56 3.09 -10.76	72.49 2.84 -19.29	81.78 2.71 -26.10	73.83 3.05 -16.84	71.58 2.96 -14.76	77.03 4.31 -1.25	90.84 5.18 -3.30	105.40 5.38 -8.00	62.15 3.04 -1.55	57.24 2.53 0.00	57.93 2.27 -2.68	58.00 1.81 -5.77	49.19 1.17 0.00	48.08 1.03 0.00
N SALMON___HYD 24042	46.32 1.01 0.00	49.73 1.06 0.00	44.81 0.92 0.00	46.48 1.03 0.00	47.22 1.19 0.00	48.51 1.26 0.00	64.59 1.92 0.00	80.19 2.46 0.00	88.68 2.61 0.00	119.39 3.65 0.00	61.62 1.90 0.00	51.79 1.43 0.00	54.49 1.52 0.00	55.45 1.52 0.00	55.37 1.52 0.00	73.32 1.85 0.00	84.85 2.50 0.00	95.03 3.02 0.00	59.07 1.51 0.00	56.11 1.39 0.00	54.41 1.42 0.00	51.94 1.52 0.00	49.53 1.52 0.00	48.62 1.56 0.00
N.AKRON__115KV_KNAPP 355671	37.71 -2.35 5.25	45.79 -2.88 0.00	41.35 -2.54 0.00	42.58 -2.87 0.00	39.92 -2.63 3.49	44.05 -3.19 0.00	58.74 -3.94 0.00	71.91 -5.02 0.80	80.07 -6.00 0.00	107.88 -7.87 0.00	49.41 -4.00 6.30	35.57 -3.14 11.64	31.80 -3.41 17.76	38.31 -3.42 12.20	39.61 -3.50 10.74	65.49 -5.07 0.91	74.71 -5.24 2.41	80.43 -6.13 5.46	52.65 -4.14 0.77	50.38 -4.33 0.00	46.64 -4.44 1.90	42.53 -4.26 3.64	44.00 -4.02 0.00	43.60 -3.45 0.00
N.E_GEN_SANDY PD 24062	46.80 1.23 -0.26	50.30 1.51 -0.12	45.36 1.43 -0.04	49.22 1.50 -2.26	53.11 1.47 -5.62	50.09 1.48 -1.38	63.33 1.12 0.47	79.28 1.60 0.05	90.48 2.25 -2.15	118.67 2.93 0.00	61.05 1.33 0.00	51.37 1.01 0.00	53.97 1.00 0.00	54.80 0.89 0.04	55.02 1.17 0.00	72.95 1.48 0.00	77.69 1.60 6.25	93.48 1.46 0.00	59.15 1.59 0.00	56.91 1.55 -0.64	62.10 1.66 -7.46	52.01 1.58 0.00	61.65 1.49 -12.14	48.26 1.20 0.00
N.HEMPST_138_KV_BK345_REV_LBMP_G 345014	47.35 2.04 0.00	50.65 1.97 0.00	45.55 1.66 0.00	47.09 1.63 0.00	47.68 1.65 0.00	49.16 1.92 0.00	65.79 3.12 0.00	81.22 3.49 0.00	89.72 3.64 0.00	120.55 4.81 0.00	62.42 2.70 0.00	52.84 2.48 0.00	55.47 2.50 0.00	56.52 2.58 0.00	56.32 2.47 0.00	74.68 3.20 0.00	85.83 3.48 0.00	96.40 4.38 0.00	60.40 2.84 0.00	57.31 2.60 0.00	55.52 2.54 0.00	52.91 2.49 0.00	50.13 2.11 0.00	49.14 2.08 0.00
N.QUEENS_27_KV_LOAD 356247	47.70 2.39 0.00	51.01 2.34 0.00	45.93 2.04 0.00	47.44 1.99 0.00	48.04 2.00 0.00	49.53 2.29 0.00	65.97 3.29 0.00	81.56 3.84 0.00	90.21 4.14 0.00	121.08 5.33 0.00	62.93 3.22 0.00	53.36 3.00 0.00	55.86 2.89 0.00	57.01 3.06 0.00	56.81 2.96 0.00	75.02 3.54 0.00	86.20 3.85 0.00	96.86 4.85 0.00	60.68 3.12 0.00	57.60 2.88 0.00	55.80 2.82 0.00	53.26 2.83 0.00	50.45 2.43 0.00	49.42 2.36 0.00
N.TROY___115KV_TB1 355778	46.54 1.22 0.00	50.10 1.42 0.00	45.25 1.36 0.00	46.84 1.39 0.00	47.40 1.37 0.00	48.66 1.42 0.00	63.98 1.30 0.00	79.56 1.84 0.00	88.47 2.40 0.00	118.81 3.07 0.00	61.17 1.46 0.00	51.50 1.14 0.00	54.10 1.13 0.00	55.02 1.07 0.00	55.10 1.25 0.00	73.12 1.64 0.00	84.12 1.77 0.00	93.65 1.63 0.00	59.15 1.59 0.00	56.26 1.55 0.00	54.59 1.61 0.00	51.92 1.50 0.00	49.41 1.39 0.00	48.22 1.16 0.00
NARROWS_GT1_1 24228	47.92 2.60 0.00	51.23 2.56 0.00	46.06 2.17 0.00	47.60 2.15 0.00	48.20 2.16 0.00	49.69 2.45 0.00	66.14 3.47 0.00	81.71 3.99 0.00	90.34 4.27 0.00	121.22 5.48 0.00	63.12 3.40 0.00	53.48 3.11 0.00	56.14 3.17 0.00	57.13 3.19 0.00	56.95 3.09 0.00	75.16 3.68 0.00	86.17 3.82 0.00	96.88 4.87 0.00	60.74 3.18 0.00	57.70 2.99 0.00	55.96 2.98 0.00	53.43 3.00 0.00	50.59 2.57 0.00	49.56 2.50 0.00
NARROWS_GT1_2 24229	47.92 2.60 0.00	51.23 2.56 0.00	46.06 2.17 0.00	47.60 2.15 0.00	48.20 2.16 0.00	49.69 2.45 0.00	66.14 3.47 0.00	81.71 3.99 0.00	90.34 4.27 0.00	121.22 5.48 0.00	63.12 3.40 0.00	53.48 3.11 0.00	56.14 3.17 0.00	57.13 3.19 0.00	56.95 3.09 0.00	75.16 3.68 0.00	86.17 3.82 0.00	96.88 4.87 0.00	60.74 3.18 0.00	57.70 2.99 0.00	55.96 2.98 0.00	53.43 3.00 0.00	50.59 2.57 0.00	49.56 2.50 0.00
NARROWS_GT1_3 24230	47.92 2.60 0.00	51.23 2.56 0.00	46.06 2.17 0.00	47.60 2.15 0.00	48.20 2.16 0.00	49.69 2.45 0.00	66.14 3.47 0.00	81.71 3.99 0.00	90.34 4.27 0.00	121.22 5.48 0.00	63.12 3.40 0.00	53.48 3.11 0.00	56.14 3.17 0.00	57.13 3.19 0.00	56.95 3.09 0.00	75.16 3.68 0.00	86.17 3.82 0.00	96.88 4.87 0.00	60.74 3.18 0.00	57.70 2.99 0.00	55.96 2.98 0.00	53.43 3.00 0.00	50.59 2.57 0.00	49.56 2.50 0.00
NARROWS_GT1_4 24231	47.92 2.60 0.00	51.23 2.56 0.00	46.06 2.17 0.00	47.60 2.15 0.00	48.20 2.16 0.00	49.69 2.45 0.00	66.14 3.47 0.00	81.71 3.99 0.00	90.34 4.27 0.00	121.22 5.48 0.00	63.12 3.40 0.00	53.48 3.11 0.00	56.14 3.17 0.00	57.13 3.19 0.00	56.95 3.09 0.00	75.16 3.68 0.00	86.17 3.82 0.00	96.88 4.87 0.00	60.74 3.18 0.00	57.70 2.99 0.00	55.96 2.98 0.00	53.43 3.00 0.00	50.59 2.57 0.00	49.56 2.50 0.00
NARROWS_GT1_5 24232	47.92 2.60 0.00	51.23 2.56 0.00	46.06 2.17 0.00	47.60 2.15 0.00	48.20 2.16 0.00	49.69 2.45 0.00	66.14 3.47 0.00	81.71 3.99 0.00	90.34 4.27 0.00	121.22 5.48 0.00	63.12 3.40 0.00	53.48 3.11 0.00	56.14 3.17 0.00	57.13 3.19 0.00	56.95 3.09 0.00	75.16 3.68 0.00	86.17 3.82 0.00	96.88 4.87 0.00	60.74 3.18 0.00	57.70 2.99 0.00	55.96 2.98 0.00	53.43 3.00 0.00	50.59 2.57 0.00	49.56 2.50 0.00

NARROWS_GT1_6 24233	47.92 2.60 0.00	51.23 2.56 0.00	46.06 2.17 0.00	47.60 2.15 0.00	48.20 2.16 0.00	49.69 2.45 0.00	66.14 3.47 0.00	81.71 3.99 0.00	90.34 4.27 0.00	121.22 5.48 0.00	63.12 3.40 0.00	53.48 3.11 0.00	56.14 3.17 0.00	57.13 3.19 0.00	56.95 3.09 0.00	75.16 3.68 0.00	86.17 3.82 0.00	96.88 4.87 0.00	60.74 3.18 0.00	57.70 2.99 0.00	55.96 2.98 0.00	53.43 3.00 0.00	50.59 2.57 0.00	49.56 2.50 0.00
NARROWS_GT1_7 24234	47.92 2.60 0.00	51.23 2.56 0.00	46.06 2.17 0.00	47.60 2.15 0.00	48.20 2.16 0.00	49.69 2.45 0.00	66.14 3.47 0.00	81.71 3.99 0.00	90.34 4.27 0.00	121.22 5.48 0.00	63.12 3.40 0.00	53.48 3.11 0.00	56.14 3.17 0.00	57.13 3.19 0.00	56.95 3.09 0.00	75.16 3.68 0.00	86.17 3.82 0.00	96.88 4.87 0.00	60.74 3.18 0.00	57.70 2.99 0.00	55.96 2.98 0.00	53.43 3.00 0.00	50.59 2.57 0.00	49.56 2.50 0.00
NARROWS_GT1_8 24235	47.92 2.60 0.00	51.23 2.56 0.00	46.06 2.17 0.00	47.60 2.15 0.00	48.20 2.16 0.00	49.69 2.45 0.00	66.14 3.47 0.00	81.71 3.99 0.00	90.34 4.27 0.00	121.22 5.48 0.00	63.12 3.40 0.00	53.48 3.11 0.00	56.14 3.17 0.00	57.13 3.19 0.00	56.95 3.09 0.00	75.16 3.68 0.00	86.17 3.82 0.00	96.88 4.87 0.00	60.74 3.18 0.00	57.70 2.99 0.00	55.96 2.98 0.00	53.43 3.00 0.00	50.59 2.57 0.00	49.56 2.50 0.00
NARROWS_GT2_1 24236	47.92 2.60 0.00	51.23 2.56 0.00	46.06 2.17 0.00	47.60 2.15 0.00	48.20 2.16 0.00	49.69 2.45 0.00	66.14 3.47 0.00	81.71 3.99 0.00	90.34 4.27 0.00	121.22 5.48 0.00	63.12 3.40 0.00	53.48 3.11 0.00	56.14 3.17 0.00	57.13 3.19 0.00	56.95 3.09 0.00	75.16 3.68 0.00	86.17 3.82 0.00	96.88 4.87 0.00	60.74 3.18 0.00	57.70 2.99 0.00	55.96 2.98 0.00	53.43 3.00 0.00	50.59 2.57 0.00	49.56 2.50 0.00
NARROWS_GT2_2 24237	47.92 2.60 0.00	51.23 2.56 0.00	46.06 2.17 0.00	47.60 2.15 0.00	48.20 2.16 0.00	49.69 2.45 0.00	66.14 3.47 0.00	81.71 3.99 0.00	90.34 4.27 0.00	121.22 5.48 0.00	63.12 3.40 0.00	53.48 3.11 0.00	56.14 3.17 0.00	57.13 3.19 0.00	56.95 3.09 0.00	75.16 3.68 0.00	86.17 3.82 0.00	96.88 4.87 0.00	60.74 3.18 0.00	57.70 2.99 0.00	55.96 2.98 0.00	53.43 3.00 0.00	50.59 2.57 0.00	49.56 2.50 0.00
NARROWS_GT2_3 24238	47.92 2.60 0.00	51.23 2.56 0.00	46.06 2.17 0.00	47.60 2.15 0.00	48.20 2.16 0.00	49.69 2.45 0.00	66.14 3.47 0.00	81.71 3.99 0.00	90.34 4.27 0.00	121.22 5.48 0.00	63.12 3.40 0.00	53.48 3.11 0.00	56.14 3.17 0.00	57.13 3.19 0.00	56.95 3.09 0.00	75.16 3.68 0.00	86.17 3.82 0.00	96.88 4.87 0.00	60.74 3.18 0.00	57.70 2.99 0.00	55.96 2.98 0.00	53.43 3.00 0.00	50.59 2.57 0.00	49.56 2.50 0.00
NARROWS_GT2_4 24239	47.92 2.60 0.00	51.23 2.56 0.00	46.06 2.17 0.00	47.60 2.15 0.00	48.20 2.16 0.00	49.69 2.45 0.00	66.14 3.47 0.00	81.71 3.99 0.00	90.34 4.27 0.00	121.22 5.48 0.00	63.12 3.40 0.00	53.48 3.11 0.00	56.14 3.17 0.00	57.13 3.19 0.00	56.95 3.09 0.00	75.16 3.68 0.00	86.17 3.82 0.00	96.88 4.87 0.00	60.74 3.18 0.00	57.70 2.99 0.00	55.96 2.98 0.00	53.43 3.00 0.00	50.59 2.57 0.00	49.56 2.50 0.00
NARROWS_GT2_5 24240	47.92 2.60 0.00	51.23 2.56 0.00	46.06 2.17 0.00	47.60 2.15 0.00	48.20 2.16 0.00	49.69 2.45 0.00	66.14 3.47 0.00	81.71 3.99 0.00	90.34 4.27 0.00	121.22 5.48 0.00	63.12 3.40 0.00	53.48 3.11 0.00	56.14 3.17 0.00	57.13 3.19 0.00	56.95 3.09 0.00	75.16 3.68 0.00	86.17 3.82 0.00	96.88 4.87 0.00	60.74 3.18 0.00	57.70 2.99 0.00	55.96 2.98 0.00	53.43 3.00 0.00	50.59 2.57 0.00	49.56 2.50 0.00
NARROWS_GT2_6 24241	47.92 2.60 0.00	51.23 2.56 0.00	46.06 2.17 0.00	47.60 2.15 0.00	48.20 2.16 0.00	49.69 2.45 0.00	66.14 3.47 0.00	81.71 3.99 0.00	90.34 4.27 0.00	121.22 5.48 0.00	63.12 3.40 0.00	53.48 3.11 0.00	56.14 3.17 0.00	57.13 3.19 0.00	56.95 3.09 0.00	75.16 3.68 0.00	86.17 3.82 0.00	96.88 4.87 0.00	60.74 3.18 0.00	57.70 2.99 0.00	55.96 2.98 0.00	53.43 3.00 0.00	50.59 2.57 0.00	49.56 2.50 0.00
NARROWS_GT2_7 24242	47.92 2.60 0.00	51.23 2.56 0.00	46.06 2.17 0.00	47.60 2.15 0.00	48.20 2.16 0.00	49.69 2.45 0.00	66.14 3.47 0.00	81.71 3.99 0.00	90.34 4.27 0.00	121.22 5.48 0.00	63.12 3.40 0.00	53.48 3.11 0.00	56.14 3.17 0.00	57.13 3.19 0.00	56.95 3.09 0.00	75.16 3.68 0.00	86.17 3.82 0.00	96.88 4.87 0.00	60.74 3.18 0.00	57.70 2.99 0.00	55.96 2.98 0.00	53.43 3.00 0.00	50.59 2.57 0.00	49.56 2.50 0.00
NARROWS_GT2_8 24243	47.92 2.60 0.00	51.23 2.56 0.00	46.06 2.17 0.00	47.60 2.15 0.00	48.20 2.16 0.00	49.69 2.45 0.00	66.14 3.47 0.00	81.71 3.99 0.00	90.34 4.27 0.00	121.22 5.48 0.00	63.12 3.40 0.00	53.48 3.11 0.00	56.14 3.17 0.00	57.13 3.19 0.00	56.95 3.09 0.00	75.16 3.68 0.00	86.17 3.82 0.00	96.88 4.87 0.00	60.74 3.18 0.00	57.70 2.99 0.00	55.96 2.98 0.00	53.43 3.00 0.00	50.59 2.57 0.00	49.56 2.50 0.00
NCATSKLL_69_KV_NC-LINE_REV_LBMP_G 345022	46.79 1.48 0.00	50.30 1.63 0.00	45.54 1.65 0.00	47.11 1.66 0.00	47.65 1.62 0.00	48.93 1.69 0.00	64.44 1.76 0.00	80.31 2.59 0.00	89.14 3.06 0.00	119.44 3.70 0.00	61.36 1.65 0.00	51.65 1.29 0.00	54.55 1.58 0.00	55.37 1.43 0.00	55.55 1.70 0.00	74.05 2.58 0.00	85.42 3.07 0.00	95.16 3.14 0.00	60.02 2.46 0.00	57.02 2.30 0.00	55.21 2.23 0.00	52.51 2.09 0.00	50.01 1.99 0.00	48.82 1.76 0.00
NCHELSEA_115KV_TR2 355582	47.64 2.33 0.00	50.97 2.30 0.00	45.92 2.03 0.00	47.44 1.99 0.00	48.05 2.02 0.00	49.53 2.28 0.00	66.01 3.33 0.00	81.58 3.86 0.00	90.19 4.12 0.00	121.27 5.52 0.00	62.68 2.97 0.00	52.95 2.59 0.00	55.46 2.49 0.00	56.38 2.45 0.00	56.16 2.31 0.00	74.49 3.02 0.00	85.69 3.34 0.00	96.13 4.11 0.00	60.24 2.67 0.00	57.18 2.46 0.00	55.52 2.54 0.00	53.11 2.68 0.00	50.34 2.32 0.00	49.30 2.24 0.00
NEG CAPITAL____MECHNVIL 23645	47.22 1.91 0.00	50.79 2.12 0.00	45.82 1.93 0.00	47.45 2.00 0.00	48.03 2.00 0.00	49.40 2.15 0.00	65.18 2.50 0.00	81.03 3.30 0.00	90.04 3.96 0.00	120.89 5.15 0.00	62.20 2.49 0.00	52.36 2.00 0.00	55.03 2.06 0.00	56.02 2.08 0.00	56.04 2.19 0.00	74.40 2.93 0.00	85.77 3.43 0.00	95.55 3.53 0.00	60.24 2.68 0.00	57.23 2.51 0.00	55.50 2.52 0.00	52.73 2.30 0.00	50.13 2.11 0.00	48.88 1.82 0.00
NEG CENTRAL_HIGH_ACRES 23767	41.96 -2.30 1.06	46.54 -2.66 -0.53	41.87 -2.39 -0.37	43.35 -2.52 -0.42	43.01 -2.49 0.54	44.65 -2.64 -0.04	59.59 -3.09 0.00	73.57 -3.93 0.22	81.42 -4.65 0.00	109.62 -6.12 0.00	54.68 -3.28 1.76	44.41 -2.67 3.28	44.68 -2.90 5.39	47.20 -2.87 3.87	47.53 -2.90 3.42	67.38 -3.80 0.29	77.48 -4.10 0.77	85.55 -4.78 1.69	54.25 -3.11 0.20	51.52 -3.20 0.00	49.06 -3.32 0.60	46.14 -3.24 1.04	44.90 -3.12 0.00	44.19 -2.86 0.00

NEG CENTRAL___DRP 24199	45.54 -0.74 -0.96	48.95 -0.95 -1.23	43.87 -0.87 -0.85	45.42 -1.00 -0.97	46.15 -0.90 -1.02	46.40 -0.95 -0.10	61.71 -0.97 0.00	76.52 -1.20 0.00	84.63 -1.45 0.00	113.76 -1.99 0.00	58.63 -1.08 0.00	49.48 -0.88 0.00	51.97 -1.00 0.00	52.99 -0.95 0.00	52.86 -0.99 0.00	70.24 -1.24 0.00	81.09 -1.26 0.00	90.49 -1.53 0.00	56.57 -0.99 0.00	53.58 -1.14 0.00	51.73 -1.26 0.00	49.14 -1.28 0.00	46.76 -1.26 0.00	45.88 -1.18 0.00
NEG CENTRAL___INDECK 23768	32.89 -1.02 11.39	47.31 -1.36 0.00	42.61 -1.29 0.00	43.91 -1.54 0.00	36.80 -1.67 7.56	44.60 -2.64 0.00	59.27 -3.41 0.00	71.66 -4.31 1.75	80.97 -5.10 0.00	108.69 -7.05 0.00	40.10 -4.09 15.52	20.49 -3.49 26.37	12.04 -3.95 36.98	25.41 -3.73 24.80	28.36 -3.69 21.80	64.84 -4.79 1.85	72.69 -4.77 4.88	75.63 -5.19 11.20	52.62 -3.26 1.67	51.16 -3.56 0.00	44.70 -4.03 4.25	39.78 -2.72 7.93	45.84 -2.17 0.00	45.12 -1.94 0.00
NEG CENTRAL___SENECA 23627	45.05 -0.94 -0.67	48.34 -1.19 -0.86	43.43 -1.06 -0.59	44.92 -1.20 -0.68	45.67 -1.07 -0.71	46.18 -1.14 -0.07	61.53 -1.15 0.00	76.28 -1.45 0.00	84.29 -1.79 0.00	113.36 -2.39 0.00	58.41 -1.30 0.00	49.30 -1.06 0.00	49.35 -1.17 2.44	50.21 -1.13 2.61	50.36 -1.18 2.32	69.81 -1.47 0.20	80.31 -1.52 0.52	89.18 -1.83 1.01	56.33 -1.23 0.00	53.34 -1.38 0.00	51.04 -1.54 0.40	48.74 -1.55 0.13	46.48 -1.53 0.00	45.64 -1.42 0.00
NEG CENTRAL___STATE_STREET 24147	49.40 -0.26 -4.35	49.66 -0.40 -1.39	44.35 -0.50 -0.96	45.95 -0.60 -1.10	48.81 -0.53 -3.31	46.80 -0.56 -0.12	62.18 -0.50 0.00	77.54 -0.69 -0.50	85.26 -0.81 0.00	114.55 -1.20 0.00	63.24 -0.67 -4.20	57.22 -0.55 -7.41	61.64 -0.63 -9.30	59.09 -0.55 -5.70	58.23 -0.60 -4.97	71.16 -0.74 -0.42	82.74 -0.72 -1.11	93.82 -0.94 -2.74	57.56 -0.57 -0.57	54.03 -0.69 0.00	53.13 -0.77 -0.92	51.81 -0.79 -2.17	47.33 -0.69 0.00	46.38 -0.68 0.00
NEG MILLWOOD___DRP 24198	47.79 2.48 0.00	51.11 2.44 0.00	46.02 2.13 0.00	47.55 2.10 0.00	48.16 2.13 0.00	49.68 2.44 0.00	66.21 3.54 0.00	81.86 4.14 0.00	90.57 4.50 0.00	121.66 5.91 0.00	62.92 3.22 0.00	53.23 2.86 0.00	55.81 2.84 0.00	56.86 2.92 0.00	56.63 2.78 0.00	75.11 3.63 0.00	86.35 4.01 0.00	96.91 4.90 0.00	60.75 3.19 0.00	57.65 2.93 0.00	55.89 2.91 0.00	53.29 2.87 0.00	50.48 2.46 0.00	49.45 2.40 0.00
NEG NORTH_FLCN_SEA 23793	45.48 0.16 0.00	48.93 0.26 0.00	44.14 0.25 0.00	45.90 0.45 0.00	46.57 0.54 0.00	47.77 0.52 0.00	63.13 0.45 0.00	78.34 0.61 0.00	86.50 0.43 0.00	116.44 0.69 0.00	60.35 0.64 0.00	50.89 0.53 0.00	53.62 0.65 0.00	54.62 0.68 0.00	54.46 0.61 0.00	71.74 0.27 0.00	83.10 0.75 0.00	93.23 1.22 0.00	57.97 0.91 0.00	55.05 0.32 0.00	53.53 0.55 0.00	51.40 0.97 0.00	49.14 1.12 0.00	48.21 1.16 0.00
NEG NORTH_KES_CHATEGAY 23792	45.67 0.36 0.00	49.15 0.47 0.00	44.28 0.39 0.00	46.01 0.56 0.00	46.67 0.64 0.00	47.91 0.67 0.00	63.64 0.96 0.00	78.96 1.24 0.00	87.26 1.18 0.00	117.30 1.56 0.00	60.54 0.83 0.00	50.94 0.58 0.00	53.68 0.71 0.00	54.66 0.72 0.00	54.56 0.71 0.00	72.31 0.84 0.00	83.71 1.37 0.00	93.92 1.91 0.00	58.41 0.85 0.00	55.45 0.73 0.00	53.73 0.75 0.00	51.28 0.85 0.00	48.95 0.93 0.00	48.04 0.98 0.00
NEG NORTH___ALICE_FALLS 23915	45.91 0.60 0.00	49.36 0.69 0.00	44.51 0.61 0.00	46.28 0.83 0.00	46.94 0.91 0.00	48.19 0.94 0.00	63.92 1.25 0.00	79.34 1.61 0.00	87.53 1.46 0.00	117.83 2.09 0.00	60.85 1.14 0.00	51.30 0.93 0.00	54.02 1.06 0.00	55.06 1.12 0.00	54.91 1.06 0.00	72.58 1.10 0.00	84.18 1.83 0.00	94.50 2.48 0.00	58.76 1.20 0.00	55.77 1.05 0.00	54.09 1.11 0.00	51.76 1.33 0.00	49.39 1.37 0.00	48.46 1.40 0.00
NEG NORTH___LWR_SARANAC 23913	45.91 0.60 0.00	49.36 0.69 0.00	44.51 0.61 0.00	46.28 0.83 0.00	46.94 0.91 0.00	48.19 0.94 0.00	63.92 1.25 0.00	79.34 1.61 0.00	87.53 1.46 0.00	117.83 2.09 0.00	60.85 1.14 0.00	51.30 0.93 0.00	54.02 1.06 0.00	55.06 1.12 0.00	54.91 1.06 0.00	72.58 1.10 0.00	84.18 1.83 0.00	94.50 2.48 0.00	58.76 1.20 0.00	55.77 1.05 0.00	54.09 1.11 0.00	51.76 1.33 0.00	49.39 1.37 0.00	48.46 1.40 0.00
NEG NORTH___PLATTSBURG 23628	45.91 0.60 0.00	49.34 0.66 0.00	44.50 0.61 0.00	46.21 0.76 0.00	46.94 0.91 0.00	48.19 0.94 0.00	63.92 1.24 0.00	79.34 1.61 0.00	87.54 1.46 0.00	117.83 2.09 0.00	60.88 1.17 0.00	51.30 0.94 0.00	54.02 1.06 0.00	55.06 1.12 0.00	54.91 1.07 0.00	72.58 1.10 0.00	84.18 1.83 0.00	94.50 2.49 0.00	58.76 1.20 0.00	55.77 1.05 0.00	54.09 1.11 0.00	51.76 1.33 0.00	49.39 1.37 0.00	48.46 1.40 0.00
NEG WEST_LEA_LOCKPORT 23791	36.49 -3.17 5.65	44.90 -3.77 0.00	40.56 -3.33 0.00	41.73 -3.73 0.00	38.80 -3.48 3.75	43.12 -4.13 0.00	57.38 -5.30 0.00	70.05 -6.81 0.86	78.09 -7.98 0.00	105.23 -10.51 0.00	47.65 -5.33 6.73	33.59 -4.29 12.48	29.31 -4.59 19.06	36.24 -4.61 13.09	37.63 -4.71 11.51	63.82 -6.68 0.98	72.65 -7.12 2.58	77.86 -8.30 5.86	51.26 -5.48 0.83	49.12 -5.60 0.00	45.28 -5.66 2.04	41.16 -5.36 3.91	43.02 -5.00 0.00	42.73 -4.33 0.00
NEG WEST___LANCASTR 23811	35.17 -3.01 7.13	45.14 -3.53 0.00	40.74 -3.15 0.00	41.96 -3.49 0.00	38.04 -3.27 4.73	43.68 -3.56 0.00	58.28 -4.40 0.00	70.81 -5.82 1.09	79.19 -6.89 0.00	106.79 -8.95 0.00	46.41 -4.62 8.68	30.82 -3.69 15.86	24.81 -3.99 24.16	33.45 -3.88 16.62	35.19 -4.05 14.61	64.64 -5.60 1.24	73.05 -6.03 3.27	77.52 -7.07 7.42	51.85 -4.66 1.04	49.92 -4.80 0.00	45.65 -4.84 2.49	40.84 -4.68 4.91	43.63 -4.39 0.00	43.24 -3.82 0.00
NEG_PENN_ALLEGHNY 23528	42.66 -0.13 2.52	48.42 -0.25 0.00	43.71 -0.18 0.00	45.21 -0.24 0.00	44.10 -0.26 1.67	47.04 -0.20 0.00	62.63 -0.05 0.00	77.12 -0.22 0.39	85.71 -0.36 0.00	115.26 -0.49 0.00	55.97 -0.32 3.42	44.45 -0.19 5.72	47.59 -0.28 5.10	51.58 -0.16 2.20	51.67 -0.22 1.96	71.07 -0.24 0.17	81.68 -0.23 0.44	90.36 -0.47 1.18	56.98 -0.25 0.32	54.37 -0.35 0.00	52.14 -0.42 0.42	48.39 -0.45 1.59	47.48 -0.54 0.00	46.58 -0.48 0.00
NEG___GEN_MONROE 24207	40.42 -1.41 3.48	46.86 -1.81 0.00	42.29 -1.60 0.00	43.61 -1.85 0.00	42.09 -1.64 2.31	45.35 -1.89 0.00	60.58 -2.10 0.00	74.54 -2.66 0.53	82.73 -3.34 0.00	111.37 -4.37 0.00	53.08 -2.35 4.28	40.68 -1.88 7.80	39.11 -2.04 11.81	43.82 -1.98 8.14	44.63 -2.05 7.17	68.09 -2.77 0.61	78.00 -2.74 1.61	85.14 -3.24 3.64	54.82 -2.24 0.51	52.30 -2.42 0.00	49.08 -2.62 1.28	45.44 -2.57 2.41	45.56 -2.46 0.00	44.95 -2.11 0.00
NEPA___ENERGY 23901	35.05 -3.19 7.07	45.08 -3.59 0.00	40.57 -3.32 0.00	41.83 -3.62 0.00	37.85 -3.50 4.69	43.72 -3.52 0.00	58.32 -4.36 0.00	70.62 -6.02 1.08	78.50 -7.57 0.00	105.54 -10.20 0.00	45.82 -5.24 8.66	30.32 -4.29 15.74	24.47 -4.53 23.96	33.33 -4.12 16.49	34.99 -4.37 14.50	64.41 -5.84 1.23	72.77 -6.32 3.25	76.74 -7.91 7.36	51.60 -4.92 1.03	49.73 -4.99 0.00	45.39 -5.13 2.46	40.57 -5.00 4.86	43.48 -4.53 0.00	43.09 -3.98 0.00

NEVERSINK___HYD 23608	46.81 1.50 0.00	50.11 1.44 0.00	45.12 1.22 0.00	46.66 1.21 0.00	47.26 1.23 0.00	48.69 1.45 0.00	64.99 2.31 0.00	80.33 2.61 0.00	88.72 2.64 0.00	119.43 3.69 0.00	61.74 2.04 0.00	52.06 1.69 0.00	54.68 1.72 0.00	55.68 1.74 0.00	55.50 1.65 0.00	73.68 2.21 0.00	84.89 2.54 0.00	95.29 3.28 0.00	59.67 2.11 0.00	56.66 1.94 0.00	54.88 1.90 0.00	52.25 1.83 0.00	49.48 1.46 0.00	48.40 1.35 0.00
NEWKRMKL_115KV_TB1 55635	46.08 0.77 0.00	49.51 0.83 0.00	44.82 0.93 0.00	46.37 0.91 0.00	46.91 0.88 0.00	48.07 0.83 0.00	63.18 0.50 0.00	78.62 0.89 0.00	87.26 1.19 0.00	117.11 1.36 0.00	60.42 0.71 0.00	51.07 0.71 0.00	53.66 0.70 0.00	54.54 0.60 0.00	54.67 0.82 0.00	72.35 0.87 0.00	83.21 0.86 0.00	92.59 0.57 0.00	58.47 0.91 0.00	55.62 0.90 0.00	53.94 0.96 0.00	51.45 1.02 0.00	49.10 1.09 0.00	48.02 0.96 0.00
NEWTON___FALLS_HYD 23847	46.48 0.65 -0.51	49.66 0.34 -0.65	44.40 0.06 -0.45	46.00 0.03 -0.52	46.71 0.13 -0.54	47.55 0.25 -0.06	63.29 0.61 0.00	78.52 0.79 0.00	87.20 1.13 0.00	118.01 2.27 0.00	60.95 1.23 0.00	51.20 0.83 0.00	53.35 0.38 0.00	54.02 0.08 0.00	53.88 0.03 0.00	71.31 -0.16 0.00	82.22 -0.12 0.00	91.77 -0.25 0.00	56.79 -0.77 0.00	53.95 -0.77 0.00	52.56 -0.42 0.00	50.53 0.10 0.00	47.92 -0.10 0.00	47.24 0.18 0.00
NGRID_A1_DSASP 323792	35.70 -3.92 5.70	44.06 -4.61 0.00	39.85 -4.05 0.00	41.00 -4.46 0.00	38.06 -4.20 3.78	42.43 -4.81 0.00	56.31 -6.37 0.00	68.52 -8.34 0.87	76.47 -9.61 0.00	103.05 -12.69 0.00	46.23 -6.64 6.84	32.32 -5.42 12.62	27.93 -5.78 19.26	35.03 -5.68 13.24	36.42 -5.79 11.64	62.43 -8.06 0.99	70.90 -8.84 2.61	75.69 -10.41 5.92	50.05 -6.68 0.83	48.10 -6.62 0.00	44.22 -6.72 2.04	40.30 -6.19 3.93	42.41 -5.61 0.00	42.18 -4.88 0.00
NGRID_A2_DSASP 323793	35.70 -3.92 5.70	44.06 -4.61 0.00	39.85 -4.05 0.00	41.00 -4.46 0.00	38.06 -4.20 3.78	42.43 -4.81 0.00	56.31 -6.37 0.00	68.52 -8.34 0.87	76.47 -9.61 0.00	103.05 -12.69 0.00	46.23 -6.64 6.84	32.32 -5.42 12.62	27.93 -5.78 19.26	35.03 -5.68 13.24	36.42 -5.79 11.64	62.43 -8.06 0.99	70.90 -8.84 2.61	75.69 -10.41 5.92	50.05 -6.68 0.83	48.10 -6.62 0.00	44.22 -6.72 2.04	40.30 -6.19 3.93	42.41 -5.61 0.00	42.18 -4.88 0.00
NGRID_A4_DSASP 323807	35.70 -3.92 5.70	44.06 -4.61 0.00	39.85 -4.05 0.00	41.00 -4.46 0.00	38.06 -4.20 3.78	42.43 -4.81 0.00	56.31 -6.37 0.00	68.52 -8.34 0.87	76.47 -9.61 0.00	103.05 -12.69 0.00	46.23 -6.64 6.84	32.32 -5.42 12.62	27.93 -5.78 19.26	35.03 -5.68 13.24	36.42 -5.79 11.64	62.43 -8.06 0.99	70.90 -8.84 2.61	75.69 -10.41 5.92	50.05 -6.68 0.83	48.10 -6.62 0.00	44.22 -6.72 2.04	40.30 -6.19 3.93	42.41 -5.61 0.00	42.18 -4.88 0.00
NIAGARA_115E_LBMP 323715	35.96 -3.62 5.74	44.52 -4.15 0.00	40.19 -3.70 0.00	41.51 -3.94 0.00	38.31 -3.91 3.81	42.54 -4.70 0.00	56.42 -6.26 0.00	68.79 -8.05 0.88	76.71 -9.36 0.00	103.44 -12.31 0.00	46.54 -6.28 6.88	32.73 -4.91 12.72	28.33 -5.23 19.41	35.28 -5.32 13.33	36.72 -5.41 11.73	62.64 -7.84 0.99	71.25 -8.47 2.63	76.16 -9.90 5.96	50.29 -6.43 0.84	48.25 -6.47 0.00	44.47 -6.45 2.06	40.42 -6.03 3.97	42.33 -5.69 0.00	42.08 -4.98 0.00
NIAGARA_115W_LBMP 323714	35.66 -3.98 5.67	44.07 -4.60 0.00	39.80 -4.09 0.00	41.11 -4.34 0.00	38.01 -4.26 3.77	42.36 -4.88 0.00	56.19 -6.48 0.00	68.35 -8.50 0.87	76.23 -9.85 0.00	102.75 -12.99 0.00	46.03 -6.87 6.82	32.23 -5.55 12.58	27.83 -5.95 19.19	34.89 -5.86 13.19	36.30 -5.94 11.60	62.29 -8.20 0.98	70.71 -9.04 2.60	75.46 -10.66 5.90	49.92 -6.81 0.83	47.95 -6.77 0.00	44.09 -6.85 2.04	40.22 -6.29 3.92	42.34 -5.68 0.00	42.10 -4.96 0.00
NIAGARA_230_LBMP 323716	36.19 -3.61 5.51	44.52 -4.15 0.00	40.20 -3.69 0.00	41.53 -3.92 0.00	38.49 -3.89 3.65	42.81 -4.44 0.00	57.04 -5.64 0.00	69.47 -7.41 0.84	77.38 -8.69 0.00	104.37 -11.37 0.00	47.07 -6.02 6.62	33.26 -4.89 12.22	29.05 -5.28 18.64	35.94 -5.19 12.81	37.30 -5.28 11.27	63.35 -7.17 0.96	71.98 -7.84 2.52	77.05 -9.24 5.73	50.80 -5.96 0.81	48.74 -5.97 0.00	44.95 -6.05 1.98	40.90 -5.72 3.81	42.77 -5.25 0.00	42.49 -4.57 0.00
NIAGARA___115KV_198_GIBSON 55903	35.65 -3.99 5.67	43.99 -4.68 0.00	39.78 -4.12 0.00	40.92 -4.53 0.00	38.01 -4.26 3.77	42.36 -4.88 0.00	56.19 -6.49 0.00	68.35 -8.51 0.87	76.27 -9.80 0.00	102.78 -12.96 0.00	46.13 -6.77 6.82	32.25 -5.54 12.58	27.89 -5.89 19.19	34.97 -5.78 13.19	36.35 -5.89 11.60	62.29 -8.20 0.98	70.73 -9.02 2.60	75.50 -10.62 5.90	49.93 -6.80 0.83	47.96 -6.76 0.00	44.10 -6.84 2.04	40.24 -6.27 3.92	42.33 -5.69 0.00	42.10 -4.96 0.00
NIAGARA____ 23760	36.12 -3.61 5.58	44.52 -4.15 0.00	40.20 -3.69 0.00	41.53 -3.92 0.00	38.45 -3.89 3.69	42.81 -4.44 0.00	57.04 -5.64 0.00	69.46 -7.41 0.85	77.38 -8.69 0.00	104.37 -11.37 0.00	46.99 -6.02 6.69	33.13 -4.89 12.34	28.87 -5.28 18.82	35.81 -5.19 12.94	37.20 -5.28 11.38	63.33 -7.17 0.97	71.95 -7.84 2.56	76.96 -9.24 5.81	50.79 -5.96 0.82	48.74 -5.97 0.00	44.92 -6.05 2.00	40.86 -5.72 3.85	42.77 -5.25 0.00	42.49 -4.57 0.00
NINE_MILE_1 23575	30.97 -1.74 12.60	30.69 -1.94 16.04	31.09 -1.72 11.08	30.98 -1.82 12.66	30.91 -1.84 13.28	43.94 -1.95 1.35	60.13 -2.55 0.00	74.57 -3.16 0.00	82.54 -3.53 0.00	111.01 -4.73 0.00	57.24 -2.47 0.00	48.33 -2.03 0.00	50.77 -2.20 0.00	51.72 -2.22 0.00	51.63 -2.22 0.00	68.55 -2.93 0.00	79.00 -3.35 0.00	88.19 -3.82 0.00	55.17 -2.38 0.00	52.39 -2.33 0.00	50.67 -2.32 0.00	48.22 -2.20 0.00	45.90 -2.12 0.00	45.00 -2.06 0.00
NINE_MILE_2 23744	30.85 -1.74 12.71	30.55 -1.94 16.19	30.99 -1.71 11.18	30.86 -1.82 12.77	30.80 -1.83 13.40	43.93 -1.95 1.37	60.13 -2.55 0.00	74.57 -3.15 0.00	82.54 -3.53 0.00	111.02 -4.73 0.00	57.24 -2.47 0.00	48.33 -2.03 0.00	50.77 -2.20 0.00	51.72 -2.22 0.00	51.63 -2.22 0.00	68.55 -2.93 0.00	79.00 -3.35 0.00	88.20 -3.81 0.00	55.17 -2.38 0.00	52.39 -2.33 0.00	50.67 -2.31 0.00	48.22 -2.20 0.00	45.90 -2.12 0.00	45.00 -2.06 0.00
NM_CAPITAL___DRP 24208	46.13 0.81 0.00	49.58 0.91 0.00	44.85 0.96 0.00	46.41 0.96 0.00	46.95 0.92 0.00	48.14 0.89 0.00	63.23 0.55 0.00	78.65 0.92 0.00	87.33 1.26 0.00	117.25 1.51 0.00	60.46 0.75 0.00	51.06 0.70 0.00	53.64 0.67 0.00	54.54 0.60 0.00	54.65 0.80 0.00	72.37 0.90 0.00	83.22 0.88 0.00	92.62 0.61 0.00	58.49 0.94 0.00	55.64 0.92 0.00	53.97 0.99 0.00	51.46 1.03 0.00	49.08 1.06 0.00	47.97 0.91 0.00
NM_CENTRAL___DRP 24181	44.78 -0.94 -0.41	48.09 -1.11 -0.53	43.28 -0.97 -0.36	44.79 -1.08 -0.42	45.43 -1.04 -0.44	46.20 -1.09 -0.04	61.36 -1.32 0.00	76.13 -1.60 0.00	84.31 -1.76 0.00	113.42 -2.33 0.00	58.46 -1.25 0.00	49.36 -1.00 0.00	51.85 -1.12 0.00	52.84 -1.11 0.00	52.71 -1.15 0.00	70.05 -1.43 0.00	80.79 -1.56 0.00	90.09 -1.93 0.00	56.30 -1.26 0.00	53.42 -1.30 0.00	51.64 -1.34 0.00	49.11 -1.32 0.00	46.69 -1.33 0.00	45.75 -1.31 0.00

NM_FRONTIER___DRP 24179	35.65 -3.99 5.67	43.99 -4.68 0.00	39.78 -4.12 0.00	40.92 -4.53 0.00	38.01 -4.26 3.77	42.36 -4.88 0.00	56.19 -6.49 0.00	68.35 -8.51 0.87	76.27 -9.80 0.00	102.78 -12.96 0.00	46.13 -6.77 6.82	32.25 -5.54 12.58	27.89 -5.89 19.19	34.97 -5.78 13.19	36.35 -5.89 11.60	62.29 -8.20 0.98	70.73 -9.02 2.60	75.50 -10.62 5.90	49.93 -6.80 0.83	47.96 -6.76 0.00	44.10 -6.84 2.04	40.24 -6.27 3.92	42.33 -5.69 0.00	42.10 -4.96 0.00
NM_ST_REGIS___HYD 24053	46.38 1.07 0.00	49.77 1.10 0.00	44.78 0.89 0.00	46.46 1.01 0.00	47.13 1.10 0.00	48.44 1.19 0.00	64.53 1.86 0.00	80.11 2.39 0.00	88.81 2.74 0.00	119.71 3.96 0.00	61.75 2.04 0.00	51.79 1.42 0.00	54.39 1.42 0.00	55.30 1.36 0.00	55.20 1.35 0.00	73.03 1.55 0.00	84.01 1.66 0.00	93.77 1.76 0.00	58.25 0.69 0.00	55.52 0.80 0.00	54.11 1.13 0.00	51.80 1.37 0.00	49.40 1.38 0.00	48.54 1.49 0.00
NORTHPORT___1 23551	33.12 1.95 14.14	50.61 1.93 0.00	45.61 1.72 0.00	47.05 1.59 0.00	47.67 1.64 0.00	49.22 1.97 0.00	61.64 2.77 3.81	20.58 2.79 59.94	89.48 3.40 0.00	92.17 4.43 28.01	69.68 2.86 -7.12	50.74 2.52 2.14	14.00 2.43 41.40	15.07 2.82 41.69	14.00 1.93 41.79	15.26 2.59 58.81	14.09 2.91 71.17	14.00 3.90 81.91	14.00 2.59 46.15	17.24 2.37 39.85	18.84 2.34 36.48	39.64 2.37 13.16	50.21 2.19 0.00	49.49 2.43 0.00
NORTHPORT___2 23552	33.12 1.95 14.14	50.61 1.93 0.00	45.61 1.72 0.00	47.05 1.59 0.00	47.67 1.64 0.00	49.22 1.97 0.00	61.64 2.77 3.81	20.58 2.79 59.94	89.48 3.40 0.00	92.17 4.43 28.01	69.68 2.86 -7.12	50.74 2.52 2.14	14.00 2.43 41.40	15.07 2.82 41.69	14.00 1.93 41.79	15.26 2.59 58.81	14.09 2.91 71.17	14.00 3.90 81.91	14.00 2.59 46.15	17.24 2.37 39.85	18.84 2.34 36.48	39.64 2.37 13.16	50.21 2.19 0.00	49.49 2.43 0.00
NORTHPORT___3 23553	42.66 1.96 4.61	50.65 1.98 0.00	45.63 1.73 0.00	47.08 1.62 0.00	47.69 1.66 0.00	49.22 1.97 0.00	63.21 2.77 2.24	45.30 2.79 35.21	89.47 3.40 0.00	103.70 4.41 16.45	70.72 2.83 -8.18	52.15 2.48 0.69	31.04 2.40 24.32	60.24 2.81 -3.49	32.02 1.93 23.76	40.01 2.58 34.04	51.22 2.90 34.03	65.52 3.87 30.36	46.36 2.58 13.78	43.11 2.36 13.98	33.89 2.34 21.43	45.08 2.39 7.73	50.22 2.20 0.00	49.50 2.45 0.00
NORTHPORT___4 23650	42.66 1.96 4.61	50.65 1.98 0.00	45.63 1.73 0.00	47.08 1.62 0.00	47.69 1.66 0.00	49.22 1.97 0.00	63.21 2.77 2.24	45.30 2.79 35.21	89.47 3.40 0.00	103.70 4.41 16.45	70.72 2.83 -8.18	52.15 2.48 0.69	31.04 2.40 24.32	60.24 2.81 -3.49	32.02 1.93 23.76	40.01 2.58 34.04	51.22 2.90 34.03	65.52 3.87 30.36	46.36 2.58 13.78	43.11 2.36 13.98	33.89 2.34 21.43	45.08 2.39 7.73	50.22 2.20 0.00	49.50 2.45 0.00
NORTHPORT___IC 23718	33.09 1.92 14.14	50.60 1.92 0.00	45.61 1.72 0.00	47.03 1.58 0.00	47.67 1.64 0.00	49.22 1.97 0.00	61.65 2.77 3.81	20.57 2.78 59.94	89.48 3.41 0.00	92.18 4.44 28.01	69.66 2.84 -7.12	50.74 2.51 2.14	13.99 2.42 41.40	15.06 2.81 41.69	14.00 1.93 41.79	15.27 2.60 58.81	14.09 2.92 71.17	13.98 3.88 81.91	14.00 2.59 46.15	17.23 2.36 39.85	18.82 2.33 36.48	39.64 2.37 13.16	50.21 2.18 0.00	49.49 2.43 0.00
NORTH___COUNTRY_ESR 323785	45.56 0.25 0.00	49.00 0.32 0.00	44.18 0.29 0.00	45.85 0.40 0.00	46.57 0.54 0.00	47.80 0.55 0.00	63.46 0.79 0.00	78.74 1.02 0.00	87.04 0.97 0.00	117.06 1.32 0.00	60.44 0.74 0.00	50.89 0.53 0.00	53.61 0.64 0.00	54.59 0.65 0.00	54.48 0.63 0.00	72.17 0.69 0.00	83.50 1.15 0.00	93.62 1.60 0.00	58.24 0.68 0.00	55.29 0.57 0.00	53.57 0.59 0.00	51.14 0.71 0.00	48.83 0.81 0.00	47.92 0.86 0.00
NPX_GEN_1385_PROXY 323591	33.18 2.00 14.14	50.34 1.66 0.00	45.69 1.80 0.00	46.97 1.52 0.00	47.72 1.69 0.00	49.41 2.16 0.00	63.05 2.71 2.35	20.98 3.20 59.94	90.07 4.00 0.00	92.82 5.09 28.01	69.76 2.93 -7.12	50.76 2.54 2.14	14.09 2.52 41.40	15.38 3.14 41.69	14.31 2.25 41.79	22.05 3.20 52.62	14.61 3.43 71.17	99.90 4.64 -3.24	78.33 3.05 -17.72	17.56 2.69 39.85	24.32 2.75 31.41	39.59 2.32 13.16	50.22 2.20 0.00	49.65 2.59 0.00
NPX_GEN_CSC 323557	61.09 2.36 -13.42	50.96 2.29 0.00	45.88 1.98 0.00	47.34 1.89 0.00	48.00 1.97 0.00	49.66 2.42 0.00	68.53 3.66 -2.20	93.18 3.80 -11.65	89.86 3.79 0.00	126.85 5.65 -5.46	73.42 3.56 -10.14	55.63 3.23 -2.04	64.60 3.58 -8.06	146.58 3.76 -88.87	66.97 2.72 -10.39	87.82 3.44 -12.90	122.65 4.00 -36.30	164.52 5.32 -67.19	108.46 3.46 -47.44	92.80 3.11 -34.98	63.02 2.94 -7.10	55.94 2.96 -2.56	50.64 2.63 0.00	49.76 2.70 0.00
NSINS_S_GLNS_FALLS 23858	47.48 2.17 0.00	51.04 2.37 0.00	45.96 2.07 0.00	47.64 2.19 0.00	48.23 2.20 0.00	49.68 2.43 0.00	65.58 2.90 0.00	81.67 3.95 0.00	90.76 4.69 0.00	121.59 5.85 0.00	62.55 2.84 0.00	52.42 2.06 0.00	55.10 2.14 0.00	56.09 2.15 0.00	56.20 2.35 0.00	74.62 3.14 0.00	86.21 3.86 0.00	95.82 3.81 0.00	60.63 3.07 0.00	57.50 2.78 0.00	55.84 2.86 0.00	52.96 2.53 0.00	50.39 2.37 0.00	48.94 1.88 0.00
NUCOR_STEEL___DRP 24197	49.26 -0.28 -4.23	49.74 -0.41 -1.48	44.39 -0.52 -1.02	46.00 -0.62 -1.17	48.71 -0.58 -3.26	46.77 -0.59 -0.12	62.10 -0.58 0.00	77.43 -0.77 -0.47	85.18 -0.90 0.00	114.42 -1.33 0.00	62.91 -0.75 -3.95	56.73 -0.60 -6.97	61.06 -0.68 -8.77	58.72 -0.60 -5.38	57.90 -0.65 -4.69	71.05 -0.82 -0.40	82.58 -0.82 -1.05	93.55 -1.06 -2.58	57.46 -0.63 -0.53	53.98 -0.74 0.00	53.04 -0.81 -0.87	51.64 -0.83 -2.04	47.32 -0.70 0.00	46.36 -0.70 0.00
NUMBER_THREE_WT_PWR 323818	46.79 0.90 -0.58	49.63 0.23 -0.73	44.20 -0.20 -0.51	45.66 -0.37 -0.58	46.44 -0.20 -0.61	47.43 0.13 -0.06	63.02 0.34 0.00	78.04 0.32 0.00	86.83 0.75 0.00	117.95 2.20 0.00	60.85 1.13 0.00	51.21 0.85 0.00	52.97 0.01 0.00	53.42 -0.52 0.00	53.32 -0.53 0.00	71.02 -0.46 0.00	82.40 0.05 0.00	92.17 0.15 0.00	56.72 -0.84 0.00	53.66 -1.06 0.00	52.07 -0.91 0.00	50.06 -0.37 0.00	47.17 -0.85 0.00	46.68 -0.37 0.00
NYISO_LBMP_REFERENCE 24008	45.31 0.00 0.00	48.67 0.00 0.00	43.89 0.00 0.00	45.45 0.00 0.00	46.03 0.00 0.00	47.25 0.00 0.00	62.68 0.00 0.00	77.73 0.00 0.00	86.07 0.00 0.00	115.74 0.00 0.00	59.71 0.00 0.00	50.36 0.00 0.00	52.97 0.00 0.00	53.94 0.00 0.00	53.85 0.00 0.00	71.47 0.00 0.00	82.35 0.00 0.00	92.02 0.00 0.00	57.56 0.00 0.00	54.72 0.00 0.00	52.98 0.00 0.00	50.42 0.00 0.00	48.02 0.00 0.00	47.06 0.00 0.00
NYPA_BRENTWD____GT 24164	61.22 2.80 -13.11	51.38 2.70 0.00	46.28 2.39 0.00	47.74 2.29 0.00	48.38 2.35 0.00	50.02 2.78 0.00	67.36 4.05 -0.64	92.01 4.22 -10.06	91.02 4.94 0.00	127.51 7.05 -4.72	74.12 4.02 -10.39	55.85 3.50 -1.99	63.49 3.56 -6.96	146.11 3.97 -88.20	66.09 2.94 -9.30	86.84 4.01 -11.35	121.50 4.62 -34.53	163.10 5.79 -65.29	107.78 3.80 -46.42	92.36 3.57 -34.07	62.64 3.53 -6.13	55.99 3.36 -2.21	51.03 3.01 0.00	50.20 3.15 0.00

NYPA_GOWANUS____GT5 24156	47.92	51.23	46.06	47.60	48.20	49.69	66.13	81.71	90.34	121.17	63.12	53.48	56.14	57.13	56.95	75.15	86.15	96.87	60.72	57.69	55.95	53.43	50.59	49.56
	2.60	2.56	2.17	2.15	2.16	2.45	3.46	3.98	4.26	5.43	3.40	3.11	3.17	3.19	3.09	3.68	3.80	4.85	3.16	2.97	2.97	3.00	2.57	2.50
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NYPA_GOWANUS____GT6 24157	47.92	51.23	46.06	47.60	48.20	49.69	66.13	81.71	90.34	121.17	63.12	53.48	56.14	57.13	56.95	75.15	86.15	96.87	60.72	57.69	55.95	53.43	50.59	49.56
	2.60	2.56	2.17	2.15	2.16	2.45	3.46	3.98	4.26	5.43	3.40	3.11	3.17	3.19	3.09	3.68	3.80	4.85	3.16	2.97	2.97	3.00	2.57	2.50
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NYPA_HARLEM__RVR__GT1 24160	47.64	50.96	45.86	47.40	47.98	49.46	65.91	81.46	90.13	120.92	62.91	53.28	55.79	56.93	56.72	74.90	86.08	96.71	60.58	57.51	55.72	53.18	50.37	49.33
	2.33	2.29	1.97	1.95	1.94	2.22	3.23	3.73	4.05	5.18	3.19	2.92	2.82	2.98	2.87	3.42	3.73	4.69	3.02	2.79	2.74	2.76	2.34	2.28
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NYPA_HARLEM__RVR__GT2 24161	47.64	50.96	45.86	47.40	47.98	49.46	65.91	81.46	90.13	120.92	62.91	53.28	55.79	56.93	56.72	74.90	86.08	96.71	60.58	57.51	55.72	53.18	50.37	49.33
	2.33	2.29	1.97	1.95	1.94	2.22	3.23	3.73	4.05	5.18	3.19	2.92	2.82	2.98	2.87	3.42	3.73	4.69	3.02	2.79	2.74	2.76	2.34	2.28
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NYPA_KENT____GT 24152	47.88	51.19	46.03	47.58	48.16	49.66	66.09	81.59	90.22	121.11	63.02	53.43	56.08	57.12	56.94	75.16	86.15	96.80	60.68	57.63	55.88	53.37	50.54	49.53
	2.57	2.52	2.13	2.13	2.13	2.42	3.41	3.87	4.15	5.36	3.31	3.07	3.12	3.18	3.09	3.68	3.80	4.78	3.12	2.91	2.90	2.94	2.52	2.47
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NYPA_POUCH1____GT 24155	47.92	51.24	46.06	47.62	48.20	49.68	66.09	81.66	90.24	120.96	63.04	53.38	56.08	57.03	56.89	74.98	86.00	96.72	60.67	57.66	55.97	53.42	50.58	49.56
	2.60	2.57	2.16	2.17	2.17	2.44	3.41	3.94	4.17	5.22	3.33	3.02	3.12	3.09	3.03	3.51	3.65	4.70	3.12	2.94	2.99	2.99	2.56	2.50
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NYPA_VERNON____GT2 24162	47.85	51.15	46.00	47.54	48.13	49.64	66.04	81.53	90.19	121.11	62.97	53.37	56.04	57.12	56.93	75.16	86.18	96.81	60.68	57.62	55.86	53.31	50.50	49.51
	2.54	2.48	2.11	2.09	2.10	2.40	3.36	3.81	4.11	5.37	3.26	3.01	3.07	3.18	3.07	3.68	3.83	4.79	3.12	2.90	2.88	2.89	2.48	2.45
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NYPA_VERNON____GT3 24163	47.85	51.15	46.00	47.54	48.13	49.64	66.04	81.53	90.19	121.11	62.97	53.37	56.04	57.12	56.93	75.16	86.18	96.81	60.68	57.62	55.86	53.31	50.50	49.51
	2.54	2.48	2.11	2.09	2.10	2.40	3.36	3.81	4.11	5.37	3.26	3.01	3.07	3.18	3.07	3.68	3.83	4.79	3.12	2.90	2.88	2.89	2.48	2.45
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NYPA____ASTORIA_CC1 323568	47.82	51.11	45.98	47.53	48.11	49.60	66.01	81.50	90.16	121.06	62.96	53.36	56.02	57.10	56.90	75.13	86.17	96.80	60.67	57.62	55.85	53.30	50.48	49.48
	2.51	2.43	2.09	2.08	2.08	2.36	3.33	3.77	4.08	5.32	3.25	3.00	3.05	3.16	3.04	3.65	3.82	4.78	3.11	2.90	2.87	2.88	2.46	2.43
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NYPA____ASTORIA_CC2 323569	47.82	51.11	45.98	47.53	48.11	49.60	66.01	81.50	90.16	121.06	62.96	53.36	56.02	57.10	56.90	75.13	86.17	96.80	60.67	57.62	55.85	53.30	50.48	49.48
	2.51	2.43	2.09	2.08	2.08	2.36	3.33	3.77	4.08	5.32	3.25	3.00	3.05	3.16	3.04	3.65	3.82	4.78	3.11	2.90	2.87	2.88	2.46	2.43
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NYPA____HOLTSVILL 23794	61.13	50.81	45.76	47.22	47.85	49.45	66.74	93.36	89.91	126.76	73.13	55.30	64.31	146.92	66.94	87.96	122.90	164.86	108.68	92.97	63.05	55.77	50.39	49.58
	2.19	2.14	1.87	1.77	1.82	2.21	3.28	3.39	3.84	5.29	3.27	2.87	2.88	3.20	2.27	3.00	3.41	4.54	2.99	2.72	2.61	2.66	2.37	2.52
	-13.63	0.00	0.00	0.00	0.00	0.00	-0.78	-12.24	0.00	-5.73	-10.15	-2.07	-8.46	-89.79	-10.82	-13.49	-37.13	-68.31	-48.13	-35.54	-7.45	-2.69	0.00	0.00
NYPA____HELLGATE_GT1 24158	47.64	50.96	45.86	47.40	47.98	49.46	65.81	81.35	89.98	120.73	62.80	53.25	55.75	56.88	56.67	74.82	85.95	96.56	60.50	57.44	55.65	53.12	50.33	49.33
	2.33	2.29	1.97	1.95	1.94	2.22	3.13	3.62	3.91	4.98	3.08	2.88	2.78	2.94	2.82	3.34	3.60	4.54	2.94	2.73	2.67	2.70	2.31	2.28
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NYPA____HELLGATE_GT2 24159	47.64	50.96	45.86	47.40	47.98	49.46	65.81	81.35	89.98	120.73	62.80	53.25	55.75	56.88	56.67	74.82	85.95	96.56	60.50	57.44	55.65	53.12	50.33	49.33
	2.33	2.29	1.97	1.95	1.94	2.22	3.13	3.62	3.91	4.98	3.08	2.88	2.78	2.94	2.82	3.34	3.60	4.54	2.94	2.73	2.67	2.70	2.31	2.28
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NYS_BARGE____HYD 23848	36.73	45.08	40.66	42.02	38.99	43.18	57.45	70.13	78.16	105.41	47.76	33.97	29.84	36.60	37.99	63.93	72.78	78.03	51.34	49.18	45.39	41.33	43.08	42.78
	-3.07	-3.59	-3.23	-3.43	-3.39	-4.07	-5.23	-6.75	-7.92	-10.33	-5.37	-4.20	-4.53	-4.56	-4.62	-6.59	-7.05	-8.28	-5.41	-5.54	-5.60	-5.29	-4.94	-4.28
	5.50	0.00	0.00	0.00	3.65	0.00	0.00	0.84	0.00	0.00	6.59	12.18	18.60	12.77	11.24	0.95	2.52	5.71	0.81	0.00	1.99	3.81	0.00	0.00
OAK ORCHARD____HYD 24046	40.28	46.68	42.10	43.53	41.92	45.14	60.28	74.13	82.28	110.79	52.86	40.63	39.10	43.73	44.54	67.82	77.59	84.70	54.55	52.06	48.89	45.32	45.43	44.78
	-1.65	-1.99	-1.79	-1.92	-1.87	-2.10	-2.39	-3.07	-3.80	-4.95	-2.68	-2.14	-2.36	-2.28	-2.33	-3.06	-3.20	-3.77	-2.52	-2.66	-2.84	-2.75	-2.59	-2.28
	3.38	0.00	0.00	0.00	2.25	0.00	0.00	0.52	0.00	0.00	4.17	7.60	11.50	7.93	6.98	0.59	1.56	3.55	0.49	0.00	1.25	2.35	0.00	0.00

OAKDALE___35_KV_LOAD 356122	41.64 -0.34 3.33	48.19 -0.49 0.00	43.51 -0.38 0.00	44.97 -0.48 0.00	43.35 -0.47 2.21	46.80 -0.45 0.00	62.25 -0.42 0.00	76.52 -0.70 0.51	85.19 -0.88 0.00	114.57 -1.18 0.00	54.58 -0.65 4.48	42.35 -0.44 7.58	45.28 -0.53 7.15	50.16 -0.43 3.35	50.37 -0.51 2.97	70.58 -0.64 0.25	80.96 -0.73 0.66	89.24 -1.04 1.74	56.52 -0.60 0.44	54.04 -0.67 0.00	51.65 -0.71 0.62	47.60 -0.72 2.11	47.27 -0.75 0.00	46.37 -0.69 0.00
OCC_CHEM___DRP 24175	35.70 -3.92 5.70	44.06 -4.61 0.00	39.85 -4.05 0.00	41.00 -4.46 0.00	38.06 -4.20 3.78	42.43 -4.81 0.00	56.31 -6.37 0.00	68.52 -8.34 0.87	76.47 -9.61 0.00	103.05 -12.69 0.00	46.23 -6.64 6.84	32.32 -5.42 12.62	27.93 -5.78 19.26	35.03 -5.68 13.24	36.42 -5.79 11.64	62.43 -8.06 0.99	70.90 -8.84 2.61	75.69 -10.41 5.92	50.05 -6.68 0.83	48.10 -6.62 0.00	44.22 -6.72 2.04	40.30 -6.19 3.93	42.41 -5.61 0.00	42.18 -4.88 0.00
OH_GEN_PROXY 24063	36.26 -3.58 5.47	44.57 -4.11 0.00	40.24 -3.65 0.00	41.58 -3.88 0.00	38.56 -3.85 3.63	42.91 -4.34 0.00	58.67 -5.47 -1.46	69.67 -7.22 0.84	77.55 -8.52 0.00	104.62 -11.12 0.00	47.21 -5.88 6.62	33.42 -4.77 12.17	29.26 -5.16 18.55	36.12 -5.07 12.76	37.47 -5.16 11.22	63.54 -6.98 0.95	72.21 -7.62 2.51	77.31 -9.01 5.70	50.96 -5.79 0.80	48.90 -5.81 0.00	45.12 -5.90 1.96	41.05 -5.60 3.78	42.88 -5.14 0.00	42.57 -4.49 0.00
OLIN_CORP_DRP 24177	35.88 -3.62 5.82	44.45 -4.22 0.00	40.20 -3.69 0.00	41.35 -4.09 0.00	38.29 -3.89 3.86	42.60 -4.64 0.00	56.54 -6.14 0.00	69.02 -7.81 0.89	76.92 -9.16 0.00	103.68 -12.06 0.00	46.70 -6.04 6.98	32.69 -4.79 12.88	28.23 -5.08 19.66	35.23 -5.20 13.51	36.67 -5.31 11.88	62.83 -7.64 1.01	71.42 -8.26 2.66	76.40 -9.58 6.04	50.41 -6.30 0.85	48.38 -6.34 0.00	44.59 -6.31 2.09	40.46 -5.95 4.02	42.43 -5.59 0.00	42.16 -4.90 0.00
OLIN_CORP_DSASP 323712	35.70 -3.92 5.70	44.06 -4.61 0.00	39.85 -4.05 0.00	41.00 -4.46 0.00	38.06 -4.20 3.78	42.43 -4.81 0.00	56.31 -6.37 0.00	68.52 -8.34 0.87	76.47 -9.61 0.00	103.05 -12.69 0.00	46.23 -6.64 6.84	32.32 -5.42 12.62	27.93 -5.78 19.26	35.03 -5.68 13.24	36.42 -5.79 11.64	62.43 -8.06 0.99	70.90 -8.84 2.61	75.69 -10.41 5.92	50.05 -6.68 0.83	48.10 -6.62 0.00	44.22 -6.72 2.04	40.30 -6.19 3.93	42.41 -5.61 0.00	42.18 -4.88 0.00
ONEIDA_HERK_LFGE 323681	46.32 1.01 0.00	49.44 0.76 0.00	44.42 0.53 0.00	45.93 0.47 0.00	46.60 0.57 0.00	48.03 0.78 0.00	63.91 1.23 0.00	79.03 1.31 0.00	87.66 1.58 0.00	118.50 2.75 0.00	61.11 1.40 0.00	51.50 1.14 0.00	53.67 0.71 0.00	54.40 0.46 0.00	54.52 0.66 0.00	72.50 1.03 0.00	83.80 1.45 0.00	93.62 1.60 0.00	58.23 0.67 0.00	55.17 0.45 0.00	53.43 0.44 0.00	51.00 0.57 0.00	48.30 0.28 0.00	47.47 0.42 0.00
ONEIDA___115KV_TB4 55905	46.38 1.07 0.00	49.72 1.05 0.00	44.85 0.96 0.00	46.38 0.92 0.00	47.07 1.04 0.00	48.49 1.25 0.00	64.61 1.93 0.00	80.40 2.48 -0.20	88.99 2.92 0.00	119.60 3.86 0.00	63.31 1.97 -1.62	54.89 1.66 -2.87	58.38 1.70 -3.71	58.10 1.84 -2.32	55.34 1.49 0.00	73.46 1.99 0.00	84.74 2.39 0.00	94.57 2.34 -0.21	59.15 1.38 -0.21	55.86 1.15 0.00	54.02 1.04 0.00	51.38 0.95 0.00	48.76 0.74 0.00	47.76 0.70 0.00
ONONDAGA_REF_OCCRA 23987	47.18 -0.55 -2.42	48.51 -0.70 -0.54	43.66 -0.61 -0.37	45.19 -0.70 -0.43	47.15 -0.65 -1.77	46.63 -0.66 -0.05	61.95 -0.72 0.00	77.15 -0.88 -0.31	85.11 -0.96 0.00	114.47 -1.28 0.00	61.57 -0.72 -2.58	54.37 -0.56 -4.57	58.21 -0.66 -5.90	57.00 -0.62 -3.68	56.38 -0.65 -3.17	70.96 -0.78 -0.27	82.21 -0.84 -0.71	92.70 -1.09 -1.78	57.25 -0.70 -0.39	53.94 -0.77 0.00	52.73 -0.83 -0.58	50.91 -0.85 -1.33	47.11 -0.91 0.00	46.16 -0.90 0.00
ONONDAGA___COGEN 23986	47.17 -0.65 -2.52	49.62 -0.80 -1.74	44.39 -0.71 -1.21	46.02 -0.80 -1.38	47.48 -0.76 -2.20	46.59 -0.79 -0.15	61.77 -0.91 0.00	76.76 -1.15 -0.18	84.78 -1.29 0.00	114.02 -1.72 0.00	60.28 -0.94 -1.51	52.18 -0.76 -2.58	53.53 -0.85 -1.41	53.12 -0.82 0.00	53.00 -0.85 0.00	70.40 -1.07 0.00	81.17 -1.17 0.00	90.78 -1.43 -0.19	56.85 -0.90 -0.19	53.76 -0.96 0.00	51.96 -1.02 0.00	50.06 -1.02 -0.66	47.00 -1.02 0.00	46.03 -1.02 0.00
ONTARIO___LFGE 23819	45.05 -0.93 -0.67	48.37 -1.16 -0.86	43.44 -1.05 -0.59	44.98 -1.15 -0.68	45.66 -1.08 -0.71	46.18 -1.14 -0.07	61.54 -1.14 0.00	76.28 -1.45 0.00	84.27 -1.80 0.00	113.35 -2.39 0.00	58.37 -1.34 0.00	49.30 -1.06 0.00	49.33 -1.19 2.44	50.19 -1.15 2.61	50.35 -1.19 2.32	69.80 -1.47 0.20	80.30 -1.53 0.52	89.16 -1.85 1.01	56.34 -1.22 0.00	53.34 -1.38 0.00	51.03 -1.55 0.40	48.74 -1.56 0.13	46.48 -1.53 0.00	45.64 -1.42 0.00
ORANGEVILLE_WT_PWR 323706	31.28 -3.70 10.33	44.50 -4.17 0.00	40.00 -3.90 0.00	41.23 -4.22 0.00	34.91 -4.27 6.86	42.61 -4.63 0.00	56.65 -6.03 0.00	68.12 -8.02 1.59	77.02 -9.05 0.00	103.43 -12.32 0.00	36.65 -6.70 16.36	19.41 -5.57 25.38	12.80 -5.94 34.23	25.12 -5.58 23.24	27.78 -5.65 20.42	62.36 -7.38 1.73	70.01 -7.77 4.57	72.59 -8.99 10.43	50.33 -5.71 1.52	48.59 -6.13 0.00	42.60 -6.45 3.93	37.13 -6.09 7.21	42.57 -5.45 0.00	42.20 -4.85 0.00
ORANGEVILLE___ESR 323794	31.28 -3.70 10.33	44.50 -4.17 0.00	40.00 -3.90 0.00	41.23 -4.22 0.00	34.91 -4.27 6.86	42.61 -4.63 0.00	56.65 -6.03 0.00	68.12 -8.02 1.59	77.02 -9.05 0.00	103.43 -12.32 0.00	36.65 -6.70 16.36	19.41 -5.57 25.38	12.80 -5.94 34.23	25.12 -5.58 23.24	27.78 -5.65 20.42	62.36 -7.38 1.73	70.01 -7.77 4.57	72.59 -8.99 10.43	50.33 -5.71 1.52	48.59 -6.13 0.00	42.60 -6.45 3.93	37.13 -6.09 7.21	42.57 -5.45 0.00	42.20 -4.85 0.00
OSWEGATCHIE___HYD 24044	46.47 0.65 -0.51	49.65 0.33 -0.65	44.40 0.05 -0.45	45.96 -0.01 -0.52	46.71 0.14 -0.54	47.55 0.25 -0.06	63.29 0.61 0.00	78.52 0.79 0.00	87.21 1.13 0.00	118.02 2.28 0.00	60.96 1.25 0.00	51.19 0.83 0.00	53.35 0.39 0.00	54.03 0.09 0.00	53.88 0.03 0.00	71.31 -0.16 0.00	82.23 -0.12 0.00	91.77 -0.25 0.00	56.79 -0.77 0.00	53.95 -0.76 0.00	52.56 -0.42 0.00	50.53 0.10 0.00	47.92 -0.10 0.00	47.24 0.18 0.00
OSWEGO___5 23606	51.94 -1.43 -8.05	57.33 -1.60 -10.25	49.56 -1.41 -7.08	52.04 -1.50 -8.09	53.02 -1.50 -8.49	46.51 -1.60 -0.86	60.62 -2.06 0.00	75.15 -2.57 0.00	83.21 -2.87 0.00	111.93 -3.81 0.00	57.70 -2.01 0.00	48.70 -1.67 0.00	51.16 -1.81 0.00	52.12 -1.82 0.00	52.03 -1.82 0.00	69.08 -2.40 0.00	79.64 -2.71 0.00	88.89 -3.13 0.00	55.60 -1.96 0.00	52.78 -1.94 0.00	51.07 -1.91 0.00	48.59 -1.84 0.00	46.24 -1.78 0.00	45.33 -1.73 0.00
OSWEGO___6 23613	51.94 -1.43 -8.05	57.33 -1.60 -10.25	49.56 -1.41 -7.08	52.04 -1.50 -8.09	53.02 -1.50 -8.49	46.51 -1.60 -0.86	60.62 -2.06 0.00	75.15 -2.57 0.00	83.21 -2.87 0.00	111.93 -3.81 0.00	57.70 -2.01 0.00	48.70 -1.67 0.00	51.16 -1.81 0.00	52.12 -1.82 0.00	52.03 -1.82 0.00	69.08 -2.40 0.00	79.64 -2.71 0.00	88.89 -3.13 0.00	55.60 -1.96 0.00	52.78 -1.94 0.00	51.07 -1.91 0.00	48.59 -1.84 0.00	46.24 -1.78 0.00	45.33 -1.73 0.00

OUTOKUMPU-AB___DRP 24206	36.36 -3.00 5.95	45.06 -3.61 0.00	40.68 -3.21 0.00	41.86 -3.60 0.00	38.74 -3.34 3.95	43.36 -3.88 0.00	57.71 -4.97 0.00	70.33 -6.48 0.91	78.57 -7.51 0.00	106.00 -9.74 0.00	47.55 -5.04 7.13	33.11 -4.08 13.18	28.45 -4.40 20.11	35.79 -4.33 13.82	37.24 -4.46 12.15	64.18 -6.26 1.03	72.88 -6.75 2.72	77.88 -7.96 6.18	51.46 -5.23 0.87	49.40 -5.32 0.00	45.43 -5.41 2.13	41.22 -5.10 4.11	43.35 -4.67 0.00	43.05 -4.01 0.00
OXBOW___BTM 323836	35.98 -3.51 5.82	44.59 -4.09 0.00	40.23 -3.66 0.00	41.56 -3.90 0.00	38.34 -3.83 3.86	42.84 -4.40 0.00	56.95 -5.73 0.00	69.34 -7.50 0.89	77.41 -8.67 0.00	104.43 -11.32 0.00	46.76 -5.97 6.99	32.65 -4.81 12.90	28.08 -5.20 19.69	35.29 -5.12 13.53	36.75 -5.20 11.90	63.25 -7.22 1.01	71.80 -7.88 2.67	76.67 -9.30 6.05	50.71 -6.00 0.85	48.69 -6.03 0.00	44.75 -6.14 2.09	40.70 -5.70 4.03	42.84 -5.18 0.00	42.56 -4.50 0.00
OXBOW___ 24026	35.97 -3.51 5.82	44.49 -4.18 0.00	40.21 -3.68 0.00	41.35 -4.09 0.00	38.34 -3.83 3.86	42.85 -4.40 0.00	56.95 -5.73 0.00	69.35 -7.48 0.89	77.43 -8.64 0.00	104.43 -11.31 0.00	46.84 -5.89 6.99	32.67 -4.79 12.90	28.15 -5.13 19.69	35.37 -5.05 13.53	36.78 -5.18 11.90	63.26 -7.20 1.01	71.82 -7.86 2.67	76.72 -9.25 6.05	50.72 -5.99 0.85	48.71 -6.01 0.00	44.79 -6.11 2.09	40.72 -5.68 4.03	42.83 -5.18 0.00	42.56 -4.50 0.00
OXY_CHEM_DSASP 323612	35.70 -3.92 5.70	44.06 -4.61 0.00	39.85 -4.05 0.00	41.00 -4.46 0.00	38.06 -4.20 3.78	42.43 -4.81 0.00	56.31 -6.37 0.00	68.52 -8.34 0.87	76.47 -9.61 0.00	103.05 -12.69 0.00	46.23 -6.64 6.84	32.32 -5.42 12.62	27.93 -5.78 19.26	35.03 -5.68 13.24	36.42 -5.79 11.64	62.43 -8.06 0.99	70.90 -8.84 2.61	75.69 -10.41 5.92	50.05 -6.68 0.83	48.10 -6.62 0.00	44.22 -6.72 2.04	40.30 -6.19 3.93	42.41 -5.61 0.00	42.18 -4.88 0.00
OZONE_PARK_ESR 323760	48.14 2.83 0.00	51.40 2.73 0.00	46.25 2.35 0.00	47.76 2.31 0.00	48.39 2.36 0.00	49.94 2.70 0.00	66.63 3.95 0.00	82.24 4.51 0.00	90.94 4.87 0.00	122.21 6.47 0.00	63.38 3.67 0.00	53.70 3.34 0.00	56.38 3.41 0.00	57.47 3.53 0.00	57.23 3.38 0.00	75.79 4.31 0.00	86.98 4.63 0.00	97.71 5.69 0.00	61.21 3.65 0.00	58.09 3.37 0.00	56.31 3.33 0.00	53.66 3.24 0.00	50.80 2.78 0.00	49.79 2.73 0.00
PACKARD_115_KV_ADAMS_187_REV_LBMP_A 345013	35.70 -3.92 5.70	44.06 -4.61 0.00	39.85 -4.05 0.00	41.00 -4.46 0.00	38.06 -4.20 3.78	42.43 -4.81 0.00	56.31 -6.37 0.00	68.52 -8.34 0.87	76.47 -9.61 0.00	103.05 -12.69 0.00	46.23 -6.64 6.84	32.32 -5.42 12.62	27.93 -5.78 19.26	35.03 -5.68 13.24	36.42 -5.79 11.64	62.43 -8.06 0.99	70.90 -8.84 2.61	75.69 -10.41 5.92	50.05 -6.68 0.83	48.10 -6.62 0.00	44.22 -6.72 2.04	40.30 -6.19 3.93	42.41 -5.61 0.00	42.18 -4.88 0.00
PACKARD___115KV_DUPONT_184 80571	35.71 -3.91 5.70	44.15 -4.53 0.00	39.87 -4.02 0.00	41.18 -4.27 0.00	38.06 -4.19 3.78	42.43 -4.81 0.00	56.32 -6.36 0.00	68.51 -8.34 0.87	76.42 -9.66 0.00	103.04 -12.71 0.00	46.16 -6.71 6.84	32.30 -5.44 12.62	27.87 -5.84 19.26	34.96 -5.75 13.24	36.38 -5.83 11.64	62.44 -8.05 0.99	70.88 -8.86 2.61	75.65 -10.45 5.92	50.04 -6.68 0.83	48.06 -6.66 0.00	44.20 -6.74 2.04	40.28 -6.21 3.93	42.41 -5.61 0.00	42.18 -4.88 0.00
PARKCHTR_138_KV_TB2S_REV_LBMP_J 345007	47.65 2.34 0.00	50.96 2.28 0.00	45.87 1.98 0.00	47.39 1.94 0.00	47.98 1.95 0.00	49.48 2.24 0.00	65.91 3.23 0.00	81.46 3.74 0.00	90.11 4.03 0.00	120.95 5.20 0.00	62.85 3.14 0.00	53.26 2.89 0.00	55.77 2.80 0.00	56.89 2.95 0.00	56.69 2.84 0.00	74.88 3.40 0.00	86.02 3.68 0.00	96.65 4.63 0.00	60.57 3.01 0.00	57.50 2.78 0.00	55.70 2.72 0.00	53.17 2.74 0.00	50.36 2.34 0.00	49.33 2.28 0.00
PARKCHTR_13_KV_CPCTY_REV_LBMP_J 345019	48.50 3.19 0.00	51.90 3.23 0.00	46.74 2.85 0.00	48.31 2.85 0.00	48.94 2.91 0.00	50.51 3.27 0.00	67.37 4.69 0.00	83.19 5.47 0.00	91.98 5.90 0.00	123.31 7.57 0.00	64.06 4.35 0.00	54.27 3.91 0.00	56.82 3.85 0.00	57.96 4.01 0.00	57.73 3.88 0.00	76.28 4.81 0.00	87.66 5.31 0.00	98.48 6.47 0.00	61.68 4.12 0.00	58.54 3.82 0.00	56.69 3.71 0.00	54.13 3.70 0.00	51.24 3.22 0.00	50.19 3.13 0.00
PATROON___115KV_TB1 80586	46.21 0.90 0.00	49.65 0.98 0.00	44.93 1.04 0.00	46.48 1.03 0.00	47.02 0.99 0.00	48.21 0.97 0.00	63.37 0.69 0.00	78.85 1.13 0.00	87.54 1.46 0.00	117.48 1.73 0.00	60.63 0.92 0.00	51.24 0.88 0.00	53.83 0.86 0.00	54.73 0.79 0.00	54.83 0.98 0.00	72.59 1.11 0.00	83.48 1.13 0.00	92.88 0.86 0.00	58.66 1.10 0.00	55.79 1.08 0.00	54.10 1.12 0.00	51.59 1.16 0.00	49.23 1.21 0.00	48.13 1.08 0.00
PATTRSNVILLE___SOLAR 323815	46.35 1.04 0.00	49.76 1.09 0.00	44.90 1.01 0.00	46.45 1.00 0.00	47.03 1.00 0.00	48.34 1.10 0.00	64.16 1.48 0.00	79.68 1.95 0.00	88.20 2.13 0.00	118.47 2.73 0.00	61.07 1.36 0.00	51.38 1.02 0.00	54.09 1.12 0.00	55.05 1.11 0.00	55.06 1.21 0.00	73.12 1.64 0.00	84.28 1.93 0.00	94.20 2.18 0.00	59.01 1.45 0.00	56.00 1.29 0.00	54.23 1.25 0.00	51.57 1.15 0.00	49.01 0.99 0.00	47.95 0.90 0.00
PAVMNTRD_115_KV_BK1_REV_LBMP_A 345030	35.61 -2.85 6.84	45.28 -3.40 0.00	40.87 -3.02 0.00	42.06 -3.39 0.00	38.34 -3.15 4.54	43.77 -3.47 0.00	58.38 -4.30 0.00	71.01 -5.67 1.05	79.40 -6.67 0.00	107.10 -8.64 0.00	46.97 -4.47 8.26	31.64 -3.55 15.18	25.95 -3.87 23.15	34.26 -3.77 15.91	35.93 -3.93 13.99	64.84 -5.45 1.19	73.41 -5.81 3.13	78.06 -6.84 7.11	52.03 -4.53 1.00	50.02 -4.70 0.00	45.79 -4.78 2.41	41.10 -4.61 4.71	43.70 -4.32 0.00	43.33 -3.73 0.00
PAWLING_115_KV_BK3_REV_LBMP_H 345028	47.79 2.48 0.00	51.11 2.44 0.00	46.02 2.13 0.00	47.55 2.10 0.00	48.16 2.13 0.00	49.68 2.44 0.00	66.21 3.54 0.00	81.86 4.14 0.00	90.57 4.50 0.00	121.66 5.91 0.00	62.92 3.22 0.00	53.23 2.86 0.00	55.81 2.84 0.00	56.86 2.92 0.00	56.63 2.78 0.00	75.11 3.63 0.00	86.35 4.01 0.00	96.91 4.90 0.00	60.75 3.19 0.00	57.65 2.93 0.00	55.89 2.91 0.00	53.29 2.87 0.00	50.48 2.46 0.00	49.45 2.40 0.00
PEEKSKILL___ 23653	47.32 2.01 0.00	50.61 1.94 0.00	45.52 1.63 0.00	47.07 1.62 0.00	47.66 1.62 0.00	49.11 1.87 0.00	65.49 2.81 0.00	80.81 3.09 0.00	89.22 3.15 0.00	120.03 4.29 0.00	62.15 2.44 0.00	52.62 2.26 0.00	55.24 2.27 0.00	56.31 2.37 0.00	56.07 2.22 0.00	74.33 2.85 0.00	85.44 3.09 0.00	95.94 3.92 0.00	60.11 2.55 0.00	57.04 2.32 0.00	55.27 2.29 0.00	52.68 2.25 0.00	49.91 1.90 0.00	48.91 1.85 0.00
PGE MADISON___WINDPWR 24146	56.02 2.17 -8.54	50.75 2.07 0.00	45.86 1.97 0.00	47.38 1.93 0.00	53.73 2.03 -5.66	49.65 2.41 0.00	66.35 3.67 0.00	83.71 4.67 -1.31	90.98 4.91 0.00	121.88 6.14 0.00	73.58 3.11 -10.76	72.52 2.86 -19.29	81.81 2.74 -26.10	73.87 3.09 -16.84	71.59 2.98 -14.76	77.04 4.31 -1.25	90.83 5.18 -3.30	105.42 5.40 -8.00	62.16 3.05 -1.55	57.24 2.53 0.00	57.94 2.28 -2.68	58.01 1.82 -5.77	49.19 1.17 0.00	48.09 1.03 0.00

PIERCEFIELD___HYD 23852	46.35 1.04 0.00	49.74 1.07 0.00	44.73 0.84 0.00	46.40 0.95 0.00	47.05 1.02 0.00	48.36 1.12 0.00	64.44 1.77 0.00	79.99 2.26 0.00	88.73 2.65 0.00	119.70 3.95 0.00	61.74 2.03 0.00	51.74 1.38 0.00	54.32 1.35 0.00	55.20 1.26 0.00	55.09 1.24 0.00	72.86 1.38 0.00	83.62 1.28 0.00	93.21 1.19 0.00	57.91 0.35 0.00	55.25 0.54 0.00	53.95 0.97 0.00	51.68 1.25 0.00	49.29 1.27 0.00	48.44 1.38 0.00
PINELAWN_CC_1 323563	58.71 2.50 -10.90	51.13 2.45 0.00	46.02 2.13 0.00	47.49 2.04 0.00	48.12 2.09 0.00	49.70 2.46 0.00	66.42 3.61 -0.12	83.65 3.93 -1.99	90.61 4.54 0.00	122.82 6.13 -0.94	74.36 3.63 -11.02	55.18 3.16 -1.66	57.47 3.12 -1.38	137.72 3.53 -80.25	60.12 2.66 -3.61	78.53 3.66 -3.39	110.85 4.19 -24.31	150.11 5.28 -52.81	100.15 3.48 -39.12	85.85 3.20 -27.93	57.31 3.11 -1.22	53.90 3.04 -0.44	50.71 2.69 0.00	49.84 2.78 0.00
PJM_GEN_HTTP_PROXY 323702	47.72 2.41 0.00	50.99 2.32 0.00	45.88 1.99 0.00	47.42 1.97 0.00	48.00 1.96 0.00	47.82 2.28 1.71	66.00 3.32 0.00	81.43 3.71 0.00	90.05 3.98 0.00	121.02 5.27 0.00	62.75 3.04 0.00	53.16 2.80 0.00	55.84 2.87 0.00	56.92 2.98 0.00	56.68 2.83 0.00	75.04 3.56 0.00	86.12 3.77 0.00	96.69 4.67 0.00	60.58 3.02 0.00	57.50 2.78 0.00	55.73 2.75 0.00	53.13 2.70 0.00	50.32 2.29 0.00	49.33 2.28 0.00
PJM_GEN_KEystone 24065	39.37 -0.90 5.04	47.54 -1.14 0.00	42.73 -1.16 0.00	44.20 -1.25 0.00	41.97 -1.25 2.82	44.35 -1.19 1.71	61.42 -1.26 0.00	74.93 -2.15 0.65	83.10 -2.97 0.00	111.99 -3.75 0.00	52.39 -1.92 5.40	38.70 -1.42 10.25	33.54 -1.57 17.85	42.63 -1.41 9.90	43.56 -1.58 8.71	68.62 -2.12 0.74	77.97 -2.43 1.95	84.93 -2.67 4.42	55.33 -1.62 0.61	52.99 -1.73 0.00	49.79 -1.79 1.39	44.20 -1.69 4.54	46.39 -1.63 0.00	45.69 -1.36 0.00
PJM_GEN_NEPTUNE_PROXY 323594	55.71 2.04 -8.35	50.68 2.00 0.00	45.63 1.73 0.00	47.11 1.66 0.00	47.72 1.69 0.00	47.53 1.99 1.71	65.58 2.90 0.00	80.74 3.02 0.00	89.62 3.54 0.00	120.42 4.67 -0.01	71.56 2.83 -9.01	54.15 2.52 -1.27	55.50 2.52 -0.01	120.19 3.07 -63.18	57.78 2.15 -1.78	75.52 2.90 -1.15	103.10 3.19 -17.57	136.21 4.10 -40.09	90.40 2.76 -30.08	78.54 2.53 -21.30	55.47 2.48 0.00	52.91 2.48 0.00	50.20 2.18 0.00	49.33 2.27 0.00
PJM_GEN_VFT_PROXY 323633	43.48 2.30 4.13	44.24 2.19 6.62	43.87 1.84 1.86	43.85 1.81 3.41	43.74 1.82 4.11	47.11 2.12 2.25	65.82 3.14 0.00	81.17 3.44 0.00	89.70 3.63 0.00	120.55 4.81 0.00	62.51 2.80 0.00	53.00 2.64 0.00	55.68 2.71 0.00	56.72 2.78 0.00	56.52 2.67 0.00	74.82 3.34 0.00	85.83 3.48 0.00	96.43 4.41 0.00	60.40 2.84 0.00	57.32 2.60 0.00	55.57 2.59 0.00	52.99 2.57 0.00	50.17 2.16 0.00	49.19 2.14 0.00
PLATSBURG_115KV_PMLD1 355749	45.54 0.23 0.00	49.00 0.33 0.00	44.20 0.30 0.00	45.96 0.51 0.00	46.63 0.60 0.00	47.83 0.59 0.00	63.32 0.64 0.00	78.56 0.83 0.00	86.74 0.67 0.00	116.75 1.00 0.00	60.43 0.72 0.00	50.95 0.59 0.00	53.68 0.71 0.00	54.68 0.74 0.00	54.54 0.69 0.00	71.95 0.47 0.00	83.33 0.99 0.00	93.49 1.47 0.00	58.14 0.58 0.00	55.19 0.47 0.00	53.61 0.64 0.00	51.39 0.96 0.00	49.11 1.09 0.00	48.18 1.12 0.00
PLEASANTVLY___LBMP 24000	47.06 1.75 0.00	50.37 1.70 0.00	45.40 1.51 0.00	46.90 1.45 0.00	47.48 1.44 0.00	48.90 1.66 0.00	65.09 2.41 0.00	80.42 2.70 0.00	89.00 2.92 0.00	119.57 3.83 0.00	61.88 2.17 0.00	52.35 1.99 0.00	54.97 2.00 0.00	56.02 2.08 0.00	55.82 1.97 0.00	73.99 2.51 0.00	85.01 2.66 0.00	95.31 3.29 0.00	59.77 2.21 0.00	56.75 2.03 0.00	55.01 2.04 0.00	52.43 2.00 0.00	49.72 1.70 0.00	48.75 1.69 0.00
PLSNTVLE_13_KV_13.8KVDIST 80602	47.49 2.18 0.00	50.80 2.13 0.00	45.73 1.84 0.00	47.25 1.80 0.00	47.83 1.80 0.00	49.31 2.06 0.00	65.72 3.05 0.00	81.17 3.45 0.00	89.82 3.74 0.00	120.63 4.89 0.00	62.47 2.77 0.00	52.90 2.54 0.00	55.53 2.57 0.00	56.63 2.69 0.00	56.37 2.52 0.00	74.69 3.22 0.00	85.81 3.46 0.00	96.29 4.27 0.00	60.37 2.82 0.00	57.30 2.58 0.00	55.55 2.56 0.00	52.91 2.49 0.00	50.14 2.12 0.00	49.14 2.09 0.00
PLSNTVLE_13_KV_13KVDSA_REV_LBMP_I 345020	47.49 2.18 0.00	50.80 2.13 0.00	45.73 1.84 0.00	47.25 1.80 0.00	47.83 1.80 0.00	49.31 2.06 0.00	65.72 3.05 0.00	81.17 3.45 0.00	89.82 3.74 0.00	120.63 4.89 0.00	62.47 2.77 0.00	52.90 2.54 0.00	55.53 2.57 0.00	56.63 2.69 0.00	56.37 2.52 0.00	74.69 3.22 0.00	85.81 3.46 0.00	96.29 4.27 0.00	60.37 2.82 0.00	57.30 2.58 0.00	55.55 2.56 0.00	52.91 2.49 0.00	50.14 2.12 0.00	49.14 2.09 0.00
PLSTVYCH_69_KV_RQ-3_RG2_REV_LBMP_G 345023	47.45 2.14 0.00	50.78 2.11 0.00	45.76 1.87 0.00	47.29 1.84 0.00	47.88 1.85 0.00	49.34 2.10 0.00	65.72 3.04 0.00	81.27 3.55 0.00	89.91 3.84 0.00	120.82 5.07 0.00	62.48 2.77 0.00	52.82 2.46 0.00	55.41 2.44 0.00	56.42 2.49 0.00	56.23 2.38 0.00	74.59 3.11 0.00	85.79 3.44 0.00	96.16 4.14 0.00	60.32 2.76 0.00	57.27 2.55 0.00	55.52 2.54 0.00	52.95 2.52 0.00	50.17 2.15 0.00	49.14 2.08 0.00
POLETTI____ 23519	37.35 1.85 9.81	37.34 1.77 13.10	37.36 1.52 8.05	37.34 1.47 9.58	37.35 1.47 10.15	47.86 1.70 1.09	65.16 2.48 0.00	80.56 2.84 0.00	89.10 3.03 0.00	119.57 3.83 0.00	62.15 2.45 0.00	52.70 2.34 0.00	55.17 2.20 0.00	56.30 2.36 0.00	56.11 2.26 0.00	74.09 2.62 0.00	85.12 2.78 0.00	95.66 3.64 0.00	59.93 2.38 0.00	56.90 2.18 0.00	55.11 2.14 0.00	52.62 2.19 0.00	49.83 1.81 0.00	48.83 1.77 0.00
POMONA___ESR 323819	47.36 2.05 0.00	50.67 1.99 0.00	45.55 1.66 0.00	47.09 1.64 0.00	47.69 1.65 0.00	49.16 1.92 0.00	65.79 3.12 0.00	81.23 3.50 0.00	89.73 3.65 0.00	120.54 4.80 0.00	62.42 2.71 0.00	52.85 2.49 0.00	55.49 2.52 0.00	56.53 2.59 0.00	56.32 2.47 0.00	74.68 3.20 0.00	85.82 3.48 0.00	96.40 4.39 0.00	60.40 2.84 0.00	57.32 2.60 0.00	55.52 2.54 0.00	52.91 2.48 0.00	50.13 2.11 0.00	49.14 2.08 0.00
PORT_JEFF_3 23555	60.90 2.22 -13.37	50.84 2.17 0.00	45.78 1.89 0.00	47.23 1.78 0.00	47.87 1.84 0.00	49.48 2.24 0.00	66.75 3.34 -0.73	92.70 3.47 -11.51	89.99 3.91 0.00	126.45 5.31 -5.39	73.06 3.22 -10.13	55.13 2.74 -2.03	63.63 2.71 -7.96	145.52 3.00 -88.58	66.25 2.11 -10.29	87.01 2.78 -12.76	121.60 3.17 -36.07	163.18 4.29 -66.87	107.63 2.83 -47.24	92.10 2.56 -34.82	62.46 2.47 -7.01	55.51 2.55 -2.53	50.30 2.28 0.00	49.55 2.49 0.00
PORT_JEFF_4 23616	60.90 2.22 -13.37	50.84 2.17 0.00	45.78 1.89 0.00	47.23 1.78 0.00	47.87 1.84 0.00	49.48 2.24 0.00	66.75 3.34 -0.73	92.70 3.47 -11.51	89.99 3.91 0.00	126.45 5.31 -5.39	73.06 3.22 -10.13	55.13 2.74 -2.03	63.63 2.71 -7.96	145.52 3.00 -88.58	66.25 2.11 -10.29	87.01 2.78 -12.76	121.60 3.17 -36.07	163.18 4.29 -66.87	107.63 2.83 -47.24	92.10 2.56 -34.82	62.46 2.47 -7.01	55.51 2.55 -2.53	50.30 2.28 0.00	49.55 2.49 0.00

PORT_JEFF_IC 23713	60.21 2.27 -12.63	50.88 2.21 0.00	45.83 1.94 0.00	47.27 1.81 0.00	47.92 1.89 0.00	49.55 2.31 0.00	66.71 3.43 -0.60	90.76 3.58 -9.46	90.08 4.00 0.00	125.68 5.50 -4.43	73.13 3.31 -10.11	55.15 2.87 -1.92	62.37 2.87 -6.54	142.33 3.14 -85.25	64.92 2.27 -8.80	85.17 2.99 -10.71	118.89 3.44 -33.11	159.48 4.60 -62.86	105.34 3.03 -44.75	90.26 2.72 -32.82	61.37 2.63 -5.76	55.19 2.68 -2.08	50.41 2.39 0.00	49.64 2.58 0.00
PPL PILGRIM_ST_GT1 24216	61.22 2.80 -13.11	51.38 2.70 0.00	46.28 2.39 0.00	47.74 2.29 0.00	48.38 2.35 0.00	50.02 2.78 0.00	67.36 4.05 -0.64	92.01 4.22 -10.06	91.02 4.94 0.00	127.51 7.05 -4.72	74.12 4.02 -10.39	55.85 3.50 -1.99	63.49 3.56 -6.96	146.11 3.97 -88.20	66.09 2.94 -9.30	86.84 4.01 -11.35	121.50 4.62 -34.53	163.10 5.79 -65.29	107.78 3.80 -46.42	92.36 3.57 -34.07	62.64 3.53 -6.13	55.99 3.36 -2.21	51.03 3.01 0.00	50.20 3.15 0.00
PPL PILGRIM_ST_GT2 24217	61.22 2.80 -13.11	51.38 2.70 0.00	46.28 2.39 0.00	47.74 2.29 0.00	48.38 2.35 0.00	50.02 2.78 0.00	67.36 4.05 -0.64	92.01 4.22 -10.06	91.02 4.94 0.00	127.51 7.05 -4.72	74.12 4.02 -10.39	55.85 3.50 -1.99	63.49 3.56 -6.96	146.11 3.97 -88.20	66.09 2.94 -9.30	86.84 4.01 -11.35	121.50 4.62 -34.53	163.10 5.79 -65.29	107.78 3.80 -46.42	92.36 3.57 -34.07	62.64 3.53 -6.13	55.99 3.36 -2.21	51.03 3.01 0.00	50.20 3.15 0.00
PPL_SHRM_GT3 24213	60.85 2.36 -13.18	50.96 2.29 0.00	45.88 1.99 0.00	47.35 1.90 0.00	48.00 1.97 0.00	49.66 2.42 0.00	67.03 3.66 -0.70	92.48 3.81 -10.95	89.91 3.83 0.00	126.51 5.63 -5.13	73.42 3.56 -10.14	55.57 3.20 -2.00	64.05 3.52 -7.57	145.41 3.70 -87.77	66.42 2.68 -9.89	87.07 3.39 -12.20	121.60 3.96 -35.29	163.13 5.28 -65.84	107.58 3.41 -46.60	92.11 3.08 -34.30	62.56 2.91 -6.67	55.76 2.93 -2.41	50.63 2.61 0.00	49.76 2.70 0.00
PPL_SHRM_GT4 24214	60.85 2.36 -13.18	50.96 2.29 0.00	45.88 1.99 0.00	47.35 1.90 0.00	48.00 1.97 0.00	49.66 2.42 0.00	67.03 3.66 -0.70	92.48 3.81 -10.95	89.91 3.83 0.00	126.51 5.63 -5.13	73.42 3.56 -10.14	55.57 3.20 -2.00	64.05 3.52 -7.57	145.41 3.70 -87.77	66.42 2.68 -9.89	87.07 3.39 -12.20	121.60 3.96 -35.29	163.13 5.28 -65.84	107.58 3.41 -46.60	92.11 3.08 -34.30	62.56 2.91 -6.67	55.76 2.93 -2.41	50.63 2.61 0.00	49.76 2.70 0.00
PROJECT___ORANGE 1 24174	44.72 -0.92 -0.33	48.00 -1.10 -0.42	43.22 -0.97 -0.29	44.72 -1.07 -0.34	45.37 -1.02 -0.35	46.20 -1.08 -0.04	61.38 -1.30 0.00	76.14 -1.59 0.00	84.33 -1.75 0.00	113.43 -2.31 0.00	58.48 -1.24 0.00	49.38 -0.99 0.00	51.86 -1.10 0.00	52.85 -1.09 0.00	52.73 -1.12 0.00	70.08 -1.40 0.00	80.80 -1.55 0.00	90.11 -1.91 0.00	56.33 -1.23 0.00	53.44 -1.28 0.00	51.66 -1.31 0.00	49.13 -1.30 0.00	46.70 -1.32 0.00	45.77 -1.29 0.00
PROJECT___ORANGE 2 24166	44.72 -0.92 -0.33	48.00 -1.10 -0.42	43.22 -0.97 -0.29	44.72 -1.07 -0.34	45.37 -1.02 -0.35	46.20 -1.08 -0.04	61.38 -1.30 0.00	76.14 -1.59 0.00	84.33 -1.75 0.00	113.43 -2.31 0.00	58.48 -1.24 0.00	49.38 -0.99 0.00	51.86 -1.10 0.00	52.85 -1.09 0.00	52.73 -1.12 0.00	70.08 -1.40 0.00	80.80 -1.55 0.00	90.11 -1.91 0.00	56.33 -1.23 0.00	53.44 -1.28 0.00	51.66 -1.31 0.00	49.13 -1.30 0.00	46.70 -1.32 0.00	45.77 -1.29 0.00
PUCKETT___SOLAR 323809	45.60 0.29 0.00	48.84 0.17 0.00	44.13 0.24 0.00	45.64 0.19 0.00	46.19 0.16 0.00	47.52 0.27 0.00	63.27 0.59 0.00	78.35 0.62 0.00	86.61 0.54 0.00	116.29 0.54 0.00	59.43 0.21 0.49	50.35 0.30 0.31	53.21 0.24 0.00	54.29 0.35 0.00	54.15 0.30 0.00	72.02 0.54 0.00	83.10 0.75 0.00	92.62 0.60 0.00	57.87 0.31 0.00	54.84 0.12 0.00	53.04 0.06 0.00	50.40 -0.02 0.00	47.77 -0.25 0.00	46.76 -0.30 0.00
PYRITES___HYD 24023	47.10 1.78 0.00	50.54 1.86 0.00	45.45 1.56 0.00	47.14 1.69 0.00	47.85 1.82 0.00	49.23 1.98 0.00	65.71 3.03 0.00	81.61 3.89 0.00	90.85 4.78 0.00	122.76 7.02 0.00	63.21 3.50 0.00	52.65 2.29 0.00	55.30 2.33 0.00	56.20 2.26 0.00	56.16 2.30 0.00	74.36 2.88 0.00	85.61 3.26 0.00	95.44 3.42 0.00	59.30 1.74 0.00	56.51 1.79 0.00	55.00 2.02 0.00	52.63 2.20 0.00	50.23 2.22 0.00	49.31 2.25 0.00
QUAKERRD_115KV_BK1 80622	41.10 -2.56 1.65	46.13 -2.96 -0.42	41.55 -2.64 -0.29	42.93 -2.86 -0.33	42.33 -2.74 0.96	44.36 -2.92 -0.04	59.15 -3.53 0.00	72.95 -4.48 0.30	80.83 -5.25 0.00	108.81 -6.93 0.00	53.66 -3.65 2.40	42.91 -3.02 4.44	42.75 -3.23 6.98	45.81 -3.21 4.91	46.27 -3.25 4.34	66.81 -4.29 0.37	76.70 -4.67 0.97	84.45 -5.39 2.17	53.79 -3.49 0.28	51.17 -3.55 0.00	48.57 -3.65 0.77	45.49 -3.55 1.39	44.63 -3.39 0.00	43.92 -3.14 0.00
QUENSBRY_115KV_TB8 356137	47.55 2.24 0.00	51.13 2.45 0.00	46.02 2.13 0.00	47.72 2.27 0.00	48.32 2.29 0.00	49.80 2.56 0.00	65.74 3.06 0.00	81.90 4.17 0.00	91.06 4.99 0.00	121.96 6.22 0.00	62.72 3.01 0.00	52.51 2.15 0.00	55.21 2.24 0.00	56.22 2.28 0.00	56.33 2.48 0.00	74.81 3.34 0.00	86.46 4.11 0.00	96.06 4.05 0.00	60.82 3.26 0.00	57.66 2.94 0.00	56.00 3.02 0.00	53.10 2.67 0.00	50.50 2.49 0.00	49.01 1.95 0.00
RAMAPO___LBMP 323565	47.18 1.86 0.00	50.47 1.80 0.00	45.39 1.50 0.00	46.90 1.45 0.00	47.51 1.48 0.00	48.96 1.71 0.00	65.31 2.63 0.00	80.52 2.80 0.00	88.65 2.57 0.00	119.57 3.83 0.00	61.88 2.17 0.00	52.40 2.04 0.00	55.00 2.03 0.00	56.03 2.09 0.00	55.83 1.98 0.00	74.04 2.57 0.00	85.14 2.80 0.00	95.65 3.63 0.00	59.90 2.34 0.00	56.83 2.11 0.00	55.06 2.08 0.00	52.48 2.06 0.00	49.75 1.73 0.00	48.68 1.62 0.00
RANKINE____ 23646	35.67 -2.93 6.71	45.20 -3.47 0.00	40.80 -3.09 0.00	41.98 -3.47 0.00	38.31 -3.27 4.45	43.60 -3.64 0.00	58.17 -4.51 0.00	70.73 -5.97 1.03	79.10 -6.97 0.00	106.56 -9.18 0.00	46.91 -4.78 8.02	31.65 -3.88 14.84	26.10 -4.20 22.67	34.35 -4.03 15.56	35.99 -4.18 13.68	64.59 -5.72 1.16	73.23 -6.05 3.06	77.83 -7.22 6.96	51.85 -4.73 0.98	49.79 -4.93 0.00	45.53 -5.06 2.39	40.92 -4.87 4.63	43.56 -4.46 0.00	43.18 -3.87 0.00
RAVENSWOOD_GT2_1 24244	47.74 2.43 0.00	51.01 2.34 0.00	45.90 2.01 0.00	47.43 1.98 0.00	48.02 1.99 0.00	49.54 2.30 0.00	66.03 3.35 0.00	81.49 3.76 0.00	90.14 4.07 0.00	121.10 5.36 0.00	62.80 3.09 0.00	53.23 2.87 0.00	55.89 2.92 0.00	56.97 3.03 0.00	56.74 2.89 0.00	75.11 3.63 0.00	86.17 3.82 0.00	96.76 4.74 0.00	60.63 3.07 0.00	57.54 2.82 0.00	55.78 2.80 0.00	53.19 2.76 0.00	50.38 2.36 0.00	49.38 2.32 0.00
RAVENSWOOD_GT2_2 24245	47.74 2.43 0.00	51.01 2.34 0.00	45.90 2.01 0.00	47.43 1.98 0.00	48.02 1.99 0.00	49.54 2.30 0.00	66.03 3.35 0.00	81.49 3.76 0.00	90.14 4.07 0.00	121.10 5.36 0.00	62.80 3.09 0.00	53.23 2.87 0.00	55.89 2.92 0.00	56.97 3.03 0.00	56.74 2.89 0.00	75.11 3.63 0.00	86.17 3.82 0.00	96.76 4.74 0.00	60.63 3.07 0.00	57.54 2.82 0.00	55.78 2.80 0.00	53.19 2.76 0.00	50.38 2.36 0.00	49.38 2.32 0.00

RAVENSWOOD_GT2_3 24246	47.76 2.45 0.00	51.03 2.35 0.00	45.92 2.03 0.00	47.44 1.99 0.00	48.04 2.01 0.00	49.56 2.32 0.00	66.06 3.38 0.00	81.52 3.80 0.00	90.17 4.09 0.00	121.17 5.42 0.00	62.82 3.11 0.00	53.25 2.89 0.00	55.93 2.96 0.00	57.00 3.06 0.00	56.76 2.91 0.00	75.13 3.65 0.00	86.23 3.88 0.00	96.81 4.80 0.00	60.66 3.10 0.00	57.59 2.86 0.00	55.82 2.84 0.00	53.21 2.78 0.00	50.40 2.38 0.00	49.41 2.35 0.00
RAVENSWOOD_GT2_4 24247	47.76 2.45 0.00	51.03 2.35 0.00	45.92 2.03 0.00	47.44 1.99 0.00	48.04 2.01 0.00	49.56 2.32 0.00	66.06 3.38 0.00	81.52 3.80 0.00	90.17 4.09 0.00	121.17 5.42 0.00	62.82 3.11 0.00	53.25 2.89 0.00	55.93 2.96 0.00	57.00 3.06 0.00	56.76 2.91 0.00	75.13 3.65 0.00	86.23 3.88 0.00	96.81 4.80 0.00	60.66 3.10 0.00	57.59 2.86 0.00	55.82 2.84 0.00	53.21 2.78 0.00	50.40 2.38 0.00	49.41 2.35 0.00
RAVENSWOOD_GT3_1 24248	47.74 2.43 0.00	51.01 2.34 0.00	45.91 2.02 0.00	47.43 1.98 0.00	48.02 1.99 0.00	49.54 2.30 0.00	66.03 3.35 0.00	81.49 3.76 0.00	90.14 4.07 0.00	121.10 5.36 0.00	62.80 3.09 0.00	53.23 2.87 0.00	55.89 2.92 0.00	56.97 3.03 0.00	56.74 2.89 0.00	75.11 3.64 0.00	86.17 3.82 0.00	96.76 4.74 0.00	60.63 3.07 0.00	57.54 2.82 0.00	55.78 2.80 0.00	53.19 2.76 0.00	50.38 2.36 0.00	49.38 2.32 0.00
RAVENSWOOD_GT3_2 24249	47.74 2.43 0.00	51.01 2.34 0.00	45.91 2.02 0.00	47.43 1.98 0.00	48.02 1.99 0.00	49.54 2.30 0.00	66.03 3.35 0.00	81.49 3.76 0.00	90.14 4.07 0.00	121.10 5.36 0.00	62.80 3.09 0.00	53.23 2.87 0.00	55.89 2.92 0.00	56.97 3.03 0.00	56.74 2.89 0.00	75.11 3.64 0.00	86.17 3.82 0.00	96.76 4.74 0.00	60.63 3.07 0.00	57.54 2.82 0.00	55.78 2.80 0.00	53.19 2.76 0.00	50.38 2.36 0.00	49.38 2.32 0.00
RAVENSWOOD_GT3_3 24250	47.80 2.49 0.00	51.07 2.40 0.00	45.96 2.07 0.00	47.49 2.03 0.00	48.07 2.04 0.00	49.60 2.36 0.00	66.12 3.44 0.00	81.60 3.88 0.00	90.28 4.20 0.00	121.31 5.56 0.00	62.92 3.21 0.00	53.31 2.94 0.00	55.98 3.02 0.00	57.06 3.12 0.00	56.82 2.97 0.00	75.22 3.75 0.00	86.31 3.96 0.00	96.91 4.90 0.00	60.72 3.16 0.00	57.64 2.92 0.00	55.87 2.89 0.00	53.27 2.84 0.00	50.45 2.43 0.00	49.46 2.40 0.00
RAVENSWOOD_GT3_4 24251	47.80 2.49 0.00	51.07 2.40 0.00	45.96 2.07 0.00	47.49 2.03 0.00	48.07 2.04 0.00	49.60 2.36 0.00	66.12 3.44 0.00	81.60 3.88 0.00	90.28 4.20 0.00	121.31 5.56 0.00	62.92 3.21 0.00	53.31 2.94 0.00	55.98 3.02 0.00	57.06 3.12 0.00	56.82 2.97 0.00	75.22 3.75 0.00	86.31 3.96 0.00	96.91 4.90 0.00	60.72 3.16 0.00	57.64 2.92 0.00	55.87 2.89 0.00	53.27 2.84 0.00	50.45 2.43 0.00	49.46 2.40 0.00
RAVENSWOOD_GT_1 23729	47.83 2.52 0.00	51.12 2.45 0.00	46.00 2.11 0.00	47.53 2.08 0.00	48.12 2.09 0.00	49.64 2.40 0.00	66.05 3.37 0.00	81.52 3.80 0.00	90.16 4.09 0.00	121.11 5.37 0.00	62.92 3.21 0.00	53.37 3.01 0.00	56.03 3.06 0.00	57.12 3.18 0.00	56.91 3.06 0.00	75.16 3.69 0.00	86.17 3.83 0.00	96.81 4.80 0.00	60.68 3.12 0.00	57.62 2.90 0.00	55.85 2.87 0.00	53.31 2.89 0.00	50.50 2.49 0.00	49.51 2.45 0.00
RAVENSWOOD_GT_10 24258	47.74 2.43 0.00	51.01 2.34 0.00	45.90 2.01 0.00	47.42 1.97 0.00	48.02 1.99 0.00	49.54 2.30 0.00	66.03 3.35 0.00	81.50 3.77 0.00	90.14 4.07 0.00	121.10 5.36 0.00	62.80 3.09 0.00	53.23 2.87 0.00	55.89 2.92 0.00	56.97 3.03 0.00	56.73 2.88 0.00	75.11 3.64 0.00	86.18 3.83 0.00	96.76 4.74 0.00	60.63 3.07 0.00	57.55 2.83 0.00	55.78 2.80 0.00	53.19 2.76 0.00	50.38 2.36 0.00	49.38 2.32 0.00
RAVENSWOOD_GT_11 24259	47.74 2.43 0.00	51.01 2.34 0.00	45.90 2.01 0.00	47.42 1.97 0.00	48.02 1.99 0.00	49.54 2.30 0.00	66.03 3.35 0.00	81.50 3.77 0.00	90.14 4.07 0.00	121.10 5.36 0.00	62.80 3.09 0.00	53.23 2.87 0.00	55.89 2.92 0.00	56.97 3.03 0.00	56.73 2.88 0.00	75.11 3.64 0.00	86.18 3.83 0.00	96.76 4.74 0.00	60.63 3.07 0.00	57.55 2.83 0.00	55.78 2.80 0.00	53.19 2.76 0.00	50.38 2.36 0.00	49.38 2.32 0.00
RAVENSWOOD_GT_4 24252	47.75 2.43 0.00	51.03 2.35 0.00	45.92 2.03 0.00	47.44 1.99 0.00	48.03 2.00 0.00	49.55 2.31 0.00	66.02 3.34 0.00	81.48 3.76 0.00	90.14 4.07 0.00	121.08 5.34 0.00	62.83 3.12 0.00	53.27 2.91 0.00	55.92 2.95 0.00	57.00 3.06 0.00	56.76 2.91 0.00	75.11 3.63 0.00	86.15 3.80 0.00	96.76 4.74 0.00	60.65 3.09 0.00	57.57 2.85 0.00	55.80 2.82 0.00	53.22 2.79 0.00	50.39 2.37 0.00	49.40 2.35 0.00
RAVENSWOOD_GT_5 24254	47.75 2.43 0.00	51.03 2.35 0.00	45.92 2.03 0.00	47.44 1.99 0.00	48.03 2.00 0.00	49.55 2.31 0.00	66.02 3.34 0.00	81.48 3.76 0.00	90.14 4.07 0.00	121.08 5.34 0.00	62.83 3.12 0.00	53.27 2.91 0.00	55.92 2.95 0.00	57.00 3.06 0.00	56.76 2.91 0.00	75.11 3.63 0.00	86.15 3.80 0.00	96.76 4.74 0.00	60.65 3.09 0.00	57.57 2.85 0.00	55.80 2.82 0.00	53.22 2.79 0.00	50.39 2.37 0.00	49.40 2.35 0.00
RAVENSWOOD_GT_6 24253	47.75 2.43 0.00	51.03 2.35 0.00	45.92 2.03 0.00	47.44 1.99 0.00	48.03 2.00 0.00	49.55 2.31 0.00	66.02 3.34 0.00	81.48 3.76 0.00	90.14 4.07 0.00	121.08 5.34 0.00	62.83 3.12 0.00	53.27 2.91 0.00	55.92 2.95 0.00	57.00 3.06 0.00	56.76 2.91 0.00	75.11 3.63 0.00	86.15 3.80 0.00	96.76 4.74 0.00	60.65 3.09 0.00	57.57 2.85 0.00	55.80 2.82 0.00	53.22 2.79 0.00	50.39 2.37 0.00	49.40 2.35 0.00
RAVENSWOOD_GT_7 24255	47.75 2.43 0.00	51.03 2.35 0.00	45.92 2.03 0.00	47.44 1.99 0.00	48.03 2.00 0.00	49.55 2.31 0.00	66.02 3.34 0.00	81.48 3.76 0.00	90.14 4.07 0.00	121.08 5.34 0.00	62.83 3.12 0.00	53.27 2.91 0.00	55.92 2.95 0.00	57.00 3.06 0.00	56.76 2.91 0.00	75.11 3.63 0.00	86.15 3.80 0.00	96.76 4.74 0.00	60.65 3.09 0.00	57.57 2.85 0.00	55.80 2.82 0.00	53.22 2.79 0.00	50.39 2.37 0.00	49.40 2.35 0.00
RAVENSWOOD_GT_8 TEMP GRP(8-11) 24256	47.74 2.43 0.00	51.01 2.34 0.00	45.90 2.01 0.00	47.42 1.97 0.00	48.02 1.99 0.00	49.54 2.30 0.00	66.03 3.35 0.00	81.50 3.77 0.00	90.14 4.07 0.00	121.10 5.36 0.00	62.80 3.09 0.00	53.23 2.87 0.00	55.89 2.92 0.00	56.97 3.03 0.00	56.73 2.88 0.00	75.11 3.64 0.00	86.18 3.83 0.00	96.76 4.74 0.00	60.63 3.07 0.00	57.55 2.83 0.00	55.78 2.80 0.00	53.19 2.76 0.00	50.38 2.36 0.00	49.38 2.32 0.00
RAVENSWOOD_GT_9 24257	47.74 2.43 0.00	51.01 2.34 0.00	45.90 2.01 0.00	47.42 1.97 0.00	48.02 1.99 0.00	49.54 2.30 0.00	66.03 3.35 0.00	81.50 3.77 0.00	90.14 4.07 0.00	121.10 5.36 0.00	62.80 3.09 0.00	53.23 2.87 0.00	55.89 2.92 0.00	56.97 3.03 0.00	56.73 2.88 0.00	75.11 3.64 0.00	86.18 3.83 0.00	96.76 4.74 0.00	60.63 3.07 0.00	57.55 2.83 0.00	55.78 2.80 0.00	53.19 2.76 0.00	50.38 2.36 0.00	49.38 2.32 0.00

RAVENSWOOD___1 23533	47.82 2.51 0.00	51.11 2.43 0.00	45.98 2.09 0.00	47.51 2.06 0.00	48.10 2.07 0.00	49.60 2.36 0.00	66.02 3.34 0.00	81.50 3.78 0.00	90.16 4.09 0.00	121.06 5.32 0.00	62.93 3.21 0.00	53.34 2.98 0.00	56.02 3.05 0.00	57.09 3.15 0.00	56.88 3.03 0.00	75.13 3.65 0.00	86.17 3.82 0.00	96.79 4.77 0.00	60.67 3.11 0.00	57.59 2.88 0.00	55.84 2.86 0.00	53.29 2.86 0.00	50.49 2.47 0.00	49.51 2.45 0.00
RAVENSWOOD___2 23534	47.78 2.47 0.00	51.07 2.40 0.00	45.95 2.06 0.00	47.49 2.03 0.00	48.07 2.04 0.00	49.57 2.33 0.00	65.99 3.31 0.00	81.49 3.76 0.00	90.13 4.06 0.00	121.05 5.31 0.00	62.92 3.21 0.00	53.32 2.96 0.00	55.97 3.01 0.00	57.06 3.12 0.00	56.85 2.99 0.00	75.10 3.62 0.00	86.13 3.78 0.00	96.75 4.73 0.00	60.63 3.07 0.00	57.57 2.85 0.00	55.83 2.85 0.00	53.26 2.83 0.00	50.44 2.42 0.00	49.44 2.38 0.00
RAVENSWOOD___3 23535	47.75 2.44 0.00	51.03 2.36 0.00	45.91 2.02 0.00	47.44 1.99 0.00	48.03 2.00 0.00	49.54 2.30 0.00	66.03 3.35 0.00	81.50 3.78 0.00	90.15 4.07 0.00	121.11 5.37 0.00	62.81 3.10 0.00	53.24 2.87 0.00	55.90 2.93 0.00	56.98 3.04 0.00	56.74 2.89 0.00	75.11 3.64 0.00	86.18 3.83 0.00	96.75 4.73 0.00	60.63 3.08 0.00	57.55 2.84 0.00	55.79 2.81 0.00	53.20 2.77 0.00	50.38 2.36 0.00	49.38 2.33 0.00
RAVENSWOOD___4 23820	47.78 2.47 0.00	51.07 2.40 0.00	45.95 2.06 0.00	47.49 2.03 0.00	48.07 2.04 0.00	49.57 2.33 0.00	65.99 3.31 0.00	81.49 3.76 0.00	90.13 4.06 0.00	121.05 5.31 0.00	62.92 3.21 0.00	53.32 2.96 0.00	55.97 3.01 0.00	57.06 3.12 0.00	56.85 2.99 0.00	75.10 3.62 0.00	86.13 3.78 0.00	96.75 4.73 0.00	60.63 3.07 0.00	57.57 2.85 0.00	55.83 2.85 0.00	53.26 2.83 0.00	50.44 2.42 0.00	49.44 2.38 0.00
RCPL_TRUST___DRP 24196	47.77 2.46 0.00	51.02 2.35 0.00	45.93 2.04 0.00	47.44 1.99 0.00	48.03 2.00 0.00	49.57 2.33 0.00	66.09 3.41 0.00	81.52 3.80 0.00	90.15 4.08 0.00	121.17 5.42 0.00	62.81 3.10 0.00	53.24 2.88 0.00	55.92 2.95 0.00	57.00 3.06 0.00	56.76 2.91 0.00	75.16 3.69 0.00	86.24 3.89 0.00	96.81 4.80 0.00	60.65 3.09 0.00	57.56 2.84 0.00	55.80 2.82 0.00	53.19 2.76 0.00	50.37 2.35 0.00	49.38 2.32 0.00
RED___ROCHESTER 323720	40.57 -1.36 3.38	46.98 -1.69 0.00	42.36 -1.53 0.00	43.80 -1.65 0.00	42.20 -1.59 2.24	45.44 -1.80 0.00	60.76 -1.91 0.00	74.73 -2.48 0.52	82.96 -3.11 0.00	111.70 -4.04 0.00	53.34 -2.21 4.16	41.06 -1.72 7.58	39.57 -1.92 11.47	44.19 -1.84 7.91	45.01 -1.88 6.97	68.41 -2.47 0.59	78.28 -2.51 1.56	85.50 -2.98 3.54	55.05 -2.02 0.49	52.54 -2.18 0.00	49.35 -2.39 1.25	45.72 -2.36 2.34	45.77 -2.25 0.00	45.10 -1.96 0.00
REGAN___SOLAR 323812	46.70 1.39 0.00	50.11 1.43 0.00	45.16 1.27 0.00	46.69 1.23 0.00	47.32 1.28 0.00	48.72 1.48 0.00	64.89 2.22 0.00	80.79 3.06 0.00	89.21 3.13 0.00	119.81 4.07 0.00	61.73 2.02 0.00	51.86 1.50 0.00	54.71 1.75 0.00	55.61 1.67 0.00	55.76 1.91 0.00	74.02 2.55 0.00	85.38 3.03 0.00	95.64 3.62 0.00	59.75 2.19 0.00	56.58 1.86 0.00	54.65 1.67 0.00	51.94 1.51 0.00	49.30 1.28 0.00	48.22 1.17 0.00
RENSSELAER___COGEN 23796	45.97 0.66 0.00	49.39 0.72 0.00	44.71 0.82 0.00	46.26 0.81 0.00	46.79 0.75 0.00	47.96 0.72 0.00	63.02 0.35 0.00	78.37 0.65 0.00	87.01 0.93 0.00	116.74 1.00 0.00	60.21 0.50 0.00	50.89 0.53 0.00	53.49 0.52 0.00	54.38 0.44 0.00	54.47 0.62 0.00	72.13 0.65 0.00	82.94 0.60 0.00	92.32 0.31 0.00	58.29 0.73 0.00	55.44 0.72 0.00	53.80 0.82 0.00	51.30 0.87 0.00	48.95 0.93 0.00	47.86 0.81 0.00
REPUBLIC_115KV_BARTNBK 55605	50.13 4.81 0.00	53.96 5.29 0.00	48.20 4.31 0.00	50.16 4.71 0.00	50.80 4.77 0.00	52.48 5.24 0.00	69.44 6.76 0.00	87.06 9.33 0.00	96.82 10.74 0.00	129.09 13.34 0.00	66.32 6.61 0.00	54.88 4.51 0.00	57.81 4.84 0.00	59.22 5.28 0.00	59.55 5.69 0.00	79.14 7.66 0.00	92.40 10.05 0.00	101.85 9.83 0.00	65.17 7.61 0.00	61.21 6.49 0.00	59.36 6.38 0.00	56.10 5.67 0.00	53.20 5.18 0.00	51.17 4.11 0.00
REVERE_CPPR_DRP 24186	46.82 1.50 0.00	50.11 1.44 0.00	45.12 1.23 0.00	46.65 1.19 0.00	47.35 1.32 0.00	48.84 1.60 0.00	65.12 2.44 0.00	81.14 3.22 -0.20	89.90 3.83 0.00	120.76 5.02 0.00	63.91 2.58 -1.62	55.43 2.20 -2.87	58.95 2.27 -3.71	58.67 2.41 -2.32	55.76 1.90 0.00	74.00 2.52 0.00	85.45 3.11 0.00	95.48 3.29 -0.17	59.60 1.87 -0.17	56.30 1.58 0.00	54.44 1.46 0.00	51.80 1.37 0.00	49.11 1.09 0.00	48.13 1.07 0.00
REYNLDPA_13_KV_LD 356490	46.03 0.72 0.00	49.49 0.82 0.00	44.60 0.71 0.00	46.22 0.77 0.00	46.89 0.86 0.00	48.14 0.89 0.00	63.99 1.31 0.00	79.38 1.65 0.00	87.79 1.71 0.00	118.01 2.27 0.00	60.93 1.21 0.00	51.29 0.92 0.00	54.02 1.06 0.00	55.01 1.07 0.00	54.91 1.06 0.00	72.91 1.44 0.00	84.23 1.88 0.00	94.31 2.30 0.00	58.76 1.20 0.00	55.88 1.16 0.00	54.09 1.11 0.00	51.51 1.08 0.00	49.15 1.13 0.00	48.26 1.20 0.00
REYNOLDS_115KV_TB3 80639	46.19 0.88 0.00	49.68 1.01 0.00	44.93 1.03 0.00	46.49 1.04 0.00	47.03 1.00 0.00	48.22 0.98 0.00	63.33 0.65 0.00	78.74 1.02 0.00	87.48 1.41 0.00	117.47 1.72 0.00	60.55 0.84 0.00	51.08 0.72 0.00	53.66 0.69 0.00	54.56 0.62 0.00	54.67 0.81 0.00	72.43 0.96 0.00	83.31 0.96 0.00	92.73 0.71 0.00	58.58 1.02 0.00	55.71 0.99 0.00	54.06 1.08 0.00	51.52 1.09 0.00	49.09 1.07 0.00	47.97 0.91 0.00
RIVERBAY____ 323610	48.50 3.19 0.00	51.90 3.23 0.00	46.74 2.85 0.00	48.31 2.85 0.00	48.94 2.91 0.00	50.51 3.27 0.00	67.37 4.69 0.00	83.19 5.47 0.00	91.98 5.90 0.00	123.31 7.57 0.00	64.06 4.35 0.00	54.27 3.91 0.00	56.82 3.85 0.00	57.96 4.01 0.00	57.73 3.88 0.00	76.28 4.81 0.00	87.66 5.31 0.00	98.48 6.47 0.00	61.68 4.12 0.00	58.54 3.82 0.00	56.69 3.71 0.00	54.13 3.70 0.00	51.24 3.22 0.00	50.19 3.13 0.00
RIVERSDE_115KV_TB3 55908	46.13 0.81 0.00	49.58 0.91 0.00	44.85 0.96 0.00	46.41 0.96 0.00	46.95 0.92 0.00	48.14 0.89 0.00	63.23 0.55 0.00	78.65 0.92 0.00	87.33 1.26 0.00	117.25 1.51 0.00	60.46 0.75 0.00	51.06 0.70 0.00	53.64 0.67 0.00	54.54 0.60 0.00	54.65 0.80 0.00	72.37 0.90 0.00	83.22 0.88 0.00	92.62 0.61 0.00	58.49 0.94 0.00	55.64 0.92 0.00	53.97 0.99 0.00	51.46 1.03 0.00	49.08 1.06 0.00	47.97 0.91 0.00
ROARING___BROOK_WT_PWR 323790	45.07 -0.24 0.00	48.12 -0.55 0.00	43.36 -0.53 0.00	44.94 -0.51 0.00	45.57 -0.46 0.00	46.93 -0.31 0.00	62.01 -0.67 0.00	76.79 -0.93 0.00	85.13 -0.95 0.00	114.78 -0.96 0.00	59.17 -0.54 0.00	49.85 -0.51 0.00	52.40 -0.57 0.00	53.26 -0.68 0.00	53.17 -0.68 0.00	70.58 -0.89 0.00	81.37 -0.98 0.00	91.61 -0.41 0.00	57.06 -0.50 0.00	53.77 -0.95 0.00	51.94 -1.05 0.00	49.51 -0.92 0.00	47.38 -0.63 0.00	46.60 -0.45 0.00

ROCHESRG_115KV_T4 355643	40.15 -1.87 3.30	46.41 -2.27 0.00	41.89 -2.00 0.00	43.22 -2.23 0.00	41.77 -2.08 2.19	44.92 -2.33 0.00	59.96 -2.72 0.00	73.70 -3.52 0.50	81.82 -4.26 0.00	110.21 -5.53 0.00	52.71 -2.95 4.05	40.55 -2.42 7.39	39.14 -2.62 11.21	43.66 -2.55 7.73	44.43 -2.61 6.81	67.42 -3.48 0.58	77.16 -3.66 1.52	84.24 -4.32 3.46	54.23 -2.85 0.48	51.77 -2.95 0.00	48.66 -3.11 1.21	45.13 -3.01 2.29	45.19 -2.83 0.00	44.57 -2.49 0.00
ROCHESTER_9_IC 23652	40.38 -1.55 3.38	46.73 -1.94 0.00	42.19 -1.70 0.00	43.52 -1.94 0.00	42.02 -1.77 2.24	45.25 -1.99 0.00	60.46 -2.22 0.00	74.36 -2.85 0.52	82.56 -3.51 0.00	111.15 -4.59 0.00	53.10 -2.45 4.17	40.80 -1.97 7.59	39.33 -2.15 11.49	43.95 -2.07 7.92	44.74 -2.14 6.98	68.03 -2.85 0.59	77.87 -2.92 1.56	85.01 -3.46 3.54	54.73 -2.33 0.49	52.23 -2.48 0.00	49.07 -2.66 1.25	45.47 -2.61 2.35	45.55 -2.47 0.00	44.90 -2.16 0.00
ROCKVIEW_13_KV_LD 356306	47.73 2.42 0.00	51.02 2.35 0.00	45.93 2.04 0.00	47.44 1.98 0.00	48.03 2.00 0.00	49.53 2.29 0.00	66.05 3.37 0.00	81.53 3.81 0.00	90.21 4.13 0.00	121.18 5.44 0.00	62.78 3.07 0.00	53.21 2.85 0.00	55.84 2.87 0.00	56.96 3.02 0.00	56.69 2.84 0.00	75.12 3.65 0.00	86.24 3.89 0.00	96.84 4.82 0.00	60.71 3.15 0.00	57.62 2.90 0.00	55.84 2.86 0.00	53.21 2.78 0.00	50.40 2.38 0.00	49.40 2.35 0.00
ROME____115KV_TB2 80656	46.82 1.50 0.00	50.11 1.44 0.00	45.12 1.23 0.00	46.65 1.19 0.00	47.35 1.32 0.00	48.84 1.60 0.00	65.12 2.44 0.00	81.14 3.22 -0.20	89.90 3.83 0.00	120.76 5.02 0.00	63.91 2.58 -1.62	55.43 2.20 -2.87	58.95 2.27 -3.71	58.67 2.41 -2.32	55.76 1.90 0.00	74.00 2.52 0.00	85.45 3.11 0.00	95.48 3.29 -0.17	59.60 1.87 -0.17	56.30 1.58 0.00	54.44 1.46 0.00	51.80 1.37 0.00	49.11 1.09 0.00	48.13 1.07 0.00
ROSETON___1 23587	47.08 1.77 0.00	50.39 1.72 0.00	45.39 1.50 0.00	46.93 1.48 0.00	47.49 1.46 0.00	48.90 1.66 0.00	65.10 2.42 0.00	80.44 2.72 0.00	88.93 2.86 0.00	119.57 3.83 0.00	61.88 2.17 0.00	52.35 1.99 0.00	54.97 2.00 0.00	56.01 2.07 0.00	55.81 1.96 0.00	73.98 2.50 0.00	85.03 2.69 0.00	95.32 3.30 0.00	59.77 2.21 0.00	56.74 2.03 0.00	55.01 2.03 0.00	52.42 2.00 0.00	49.72 1.70 0.00	48.72 1.66 0.00
ROSETON___2 23588	47.08 1.77 0.00	50.39 1.72 0.00	45.39 1.50 0.00	46.93 1.48 0.00	47.49 1.46 0.00	48.90 1.66 0.00	65.10 2.42 0.00	80.44 2.72 0.00	88.93 2.86 0.00	119.57 3.83 0.00	61.88 2.17 0.00	52.35 1.99 0.00	54.97 2.00 0.00	56.01 2.07 0.00	55.81 1.96 0.00	73.98 2.50 0.00	85.03 2.69 0.00	95.32 3.30 0.00	59.77 2.21 0.00	56.74 2.03 0.00	55.01 2.03 0.00	52.42 2.00 0.00	49.72 1.70 0.00	48.72 1.66 0.00
ROTRDAM_115KV_TB3 80664	46.37 1.06 0.00	49.81 1.14 0.00	44.98 1.09 0.00	46.54 1.09 0.00	47.10 1.07 0.00	48.39 1.15 0.00	64.06 1.38 0.00	79.47 1.74 0.00	88.13 2.06 0.00	118.41 2.66 0.00	61.05 1.33 0.00	51.46 1.10 0.00	54.09 1.12 0.00	55.05 1.11 0.00	55.00 1.15 0.00	73.04 1.57 0.00	84.11 1.76 0.00	93.85 1.83 0.00	58.94 1.38 0.00	56.02 1.31 0.00	54.31 1.32 0.00	51.66 1.23 0.00	49.13 1.12 0.00	48.04 0.98 0.00
RUSSELL___1 23602	40.57 -1.37 3.38	46.92 -1.76 0.00	42.34 -1.55 0.00	43.69 -1.77 0.00	42.20 -1.59 2.24	45.44 -1.80 0.00	60.75 -1.92 0.00	74.74 -2.47 0.52	82.99 -3.08 0.00	111.71 -4.03 0.00	53.40 -2.15 4.16	41.06 -1.72 7.58	39.62 -1.88 11.47	44.23 -1.80 7.91	45.02 -1.86 6.97	68.40 -2.48 0.59	78.30 -2.49 1.56	85.54 -2.94 3.54	55.06 -2.01 0.49	52.54 -2.18 0.00	49.35 -2.39 1.25	45.72 -2.36 2.34	45.76 -2.25 0.00	45.10 -1.96 0.00
RUSSELL___2 23532	40.57 -1.37 3.38	46.92 -1.76 0.00	42.34 -1.55 0.00	43.69 -1.77 0.00	42.20 -1.59 2.24	45.44 -1.80 0.00	60.75 -1.92 0.00	74.74 -2.47 0.52	82.99 -3.08 0.00	111.71 -4.03 0.00	53.40 -2.15 4.16	41.06 -1.72 7.58	39.62 -1.88 11.47	44.23 -1.80 7.91	45.02 -1.86 6.97	68.40 -2.48 0.59	78.30 -2.49 1.56	85.54 -2.94 3.54	55.06 -2.01 0.49	52.54 -2.18 0.00	49.35 -2.39 1.25	45.72 -2.36 2.34	45.76 -2.25 0.00	45.10 -1.96 0.00
RUSSELL___3 23549	40.57 -1.37 3.38	46.92 -1.76 0.00	42.34 -1.55 0.00	43.69 -1.77 0.00	42.20 -1.59 2.24	45.44 -1.80 0.00	60.75 -1.92 0.00	74.74 -2.47 0.52	82.99 -3.08 0.00	111.71 -4.03 0.00	53.40 -2.15 4.16	41.06 -1.72 7.58	39.62 -1.88 11.47	44.23 -1.80 7.91	45.02 -1.86 6.97	68.40 -2.48 0.59	78.30 -2.49 1.56	85.54 -2.94 3.54	55.06 -2.01 0.49	52.54 -2.18 0.00	49.35 -2.39 1.25	45.72 -2.36 2.34	45.76 -2.25 0.00	45.10 -1.96 0.00
RUSSELL___4 23556	40.57 -1.37 3.38	46.92 -1.76 0.00	42.34 -1.55 0.00	43.69 -1.77 0.00	42.20 -1.59 2.24	45.44 -1.80 0.00	60.75 -1.92 0.00	74.74 -2.47 0.52	82.99 -3.08 0.00	111.71 -4.03 0.00	53.40 -2.15 4.16	41.06 -1.72 7.58	39.62 -1.88 11.47	44.23 -1.80 7.91	45.02 -1.86 6.97	68.40 -2.48 0.59	78.30 -2.49 1.56	85.54 -2.94 3.54	55.06 -2.01 0.49	52.54 -2.18 0.00	49.35 -2.39 1.25	45.72 -2.36 2.34	45.76 -2.25 0.00	45.10 -1.96 0.00
RUSSELL___STATION 23914	40.57 -1.37 3.38	46.92 -1.76 0.00	42.34 -1.55 0.00	43.69 -1.77 0.00	42.20 -1.59 2.24	45.44 -1.80 0.00	60.75 -1.92 0.00	74.74 -2.47 0.52	82.99 -3.08 0.00	111.71 -4.03 0.00	53.40 -2.15 4.16	41.06 -1.72 7.58	39.62 -1.88 11.47	44.23 -1.80 7.91	45.02 -1.86 6.97	68.40 -2.48 0.59	78.30 -2.49 1.56	85.54 -2.94 3.54	55.06 -2.01 0.49	52.54 -2.18 0.00	49.35 -2.39 1.25	45.72 -2.36 2.34	45.76 -2.25 0.00	45.10 -1.96 0.00
S SALMON___HYD 24043	46.73 -0.75 -2.17	50.39 -1.04 -2.76	44.76 -1.04 -1.91	46.35 -1.29 -2.18	47.09 -1.22 -2.29	46.31 -1.17 -0.23	61.27 -1.40 0.00	76.00 -1.73 0.00	84.29 -1.79 0.00	113.77 -1.97 0.00	58.71 -1.00 0.00	49.53 -0.83 0.00	51.66 -1.31 0.00	52.44 -1.50 0.00	52.26 -1.59 0.00	69.52 -1.96 0.00	80.18 -2.17 0.00	89.47 -2.55 0.00	55.71 -1.85 0.00	52.81 -1.91 0.00	51.08 -1.90 0.00	48.66 -1.77 0.00	46.17 -1.85 0.00	45.47 -1.58 0.00
S.PERRY___115KV_TB1 80734	32.91 -1.00 11.39	47.25 -1.43 0.00	42.59 -1.30 0.00	43.78 -1.68 0.00	36.81 -1.66 7.56	44.60 -2.64 0.00	59.26 -3.41 0.00	71.69 -4.29 1.75	80.99 -5.08 0.00	108.71 -7.03 0.00	40.19 -4.00 15.52	20.58 -3.41 26.37	12.17 -3.81 36.98	25.50 -3.64 24.80	28.41 -3.64 21.80	64.84 -4.79 1.85	72.73 -4.74 4.88	75.71 -5.11 11.20	52.64 -3.25 1.67	51.18 -3.54 0.00	44.72 -4.01 4.25	39.79 -2.71 7.93	45.84 -2.18 0.00	45.12 -1.94 0.00
SAWYER_23_KV_LOAD_REV_LBMP_A 345024	36.10 -3.19 6.02	44.90 -3.77 0.00	40.57 -3.33 0.00	41.75 -3.71 0.00	38.54 -3.50 3.99	43.30 -3.95 0.00	57.72 -4.96 0.00	70.31 -6.49 0.92	78.45 -7.62 0.00	105.74 -10.00 0.00	47.29 -5.18 7.23	32.79 -4.24 13.33	28.05 -4.57 20.35	35.49 -4.47 13.98	36.96 -4.60 12.30	64.14 -6.29 1.04	72.85 -6.75 2.76	77.75 -8.02 6.25	51.45 -5.23 0.88	49.39 -5.33 0.00	45.39 -5.44 2.15	41.08 -5.19 4.15	43.26 -4.76 0.00	42.93 -4.13 0.00

SAWYER___23_KV_LOAD 55526	36.10 -3.19 6.02	44.90 -3.77 0.00	40.57 -3.33 0.00	41.75 -3.71 0.00	38.54 -3.50 3.99	43.30 -3.95 0.00	57.72 -4.96 0.00	70.31 -6.49 0.92	78.45 -7.62 0.00	105.74 -10.00 0.00	47.29 -5.18 7.23	32.79 -4.24 13.33	28.05 -4.57 20.35	35.49 -4.47 13.98	36.96 -4.60 12.30	64.14 -6.29 1.04	72.85 -6.75 2.76	77.75 -8.02 6.25	51.45 -5.23 0.88	49.39 -5.33 0.00	45.39 -5.44 2.15	41.08 -5.19 4.15	43.26 -4.76 0.00	42.93 -4.13 0.00
SELKIRK___I 23801	46.15 0.84 0.00	49.62 0.95 0.00	44.89 1.00 0.00	46.47 1.02 0.00	46.99 0.96 0.00	48.17 0.93 0.00	63.50 0.82 0.00	78.80 1.08 0.00	87.42 1.35 0.00	117.32 1.58 0.00	60.44 0.74 0.00	51.05 0.69 0.00	53.72 0.75 0.00	54.63 0.69 0.00	54.68 0.83 0.00	72.60 1.13 0.00	83.58 1.23 0.00	93.13 1.11 0.00	58.64 1.08 0.00	55.79 1.07 0.00	54.12 1.14 0.00	51.56 1.14 0.00	49.14 1.12 0.00	48.10 1.04 0.00
SELKIRK___II 23799	46.06 0.75 0.00	49.48 0.81 0.00	44.76 0.87 0.00	46.32 0.87 0.00	46.83 0.80 0.00	48.04 0.79 0.00	63.32 0.64 0.00	78.64 0.91 0.00	87.23 1.15 0.00	117.10 1.36 0.00	60.40 0.68 0.00	51.01 0.65 0.00	53.63 0.66 0.00	54.56 0.61 0.00	54.58 0.73 0.00	72.36 0.88 0.00	83.22 0.88 0.00	92.74 0.72 0.00	58.41 0.85 0.00	55.56 0.84 0.00	53.90 0.92 0.00	51.36 0.93 0.00	48.94 0.92 0.00	47.89 0.83 0.00
SENECA OSWGO___HYD 24041	47.10 -1.54 -3.33	51.20 -1.71 -4.24	45.29 -1.53 -2.92	47.17 -1.62 -3.34	47.92 -1.61 -3.51	45.91 -1.69 -0.36	60.52 -2.16 0.00	75.08 -2.65 0.00	83.13 -2.94 0.00	111.85 -3.89 0.00	57.65 -2.06 0.00	48.68 -1.68 0.00	51.10 -1.86 0.00	52.05 -1.90 0.00	51.96 -1.89 0.00	68.99 -2.48 0.00	79.55 -2.79 0.00	88.79 -3.23 0.00	55.55 -2.01 0.00	52.74 -1.98 0.00	50.98 -2.00 0.00	48.51 -1.92 0.00	46.11 -1.91 0.00	45.17 -1.89 0.00
SENECA___115KV_TB3 355854	35.75 -2.85 6.71	45.36 -3.31 0.00	40.88 -3.01 0.00	42.23 -3.23 0.00	38.37 -3.21 4.45	43.68 -3.56 0.00	58.28 -4.40 0.00	70.84 -5.86 1.03	79.22 -6.86 0.00	106.79 -8.95 0.00	46.92 -4.77 8.02	31.70 -3.82 14.84	26.09 -4.21 22.67	34.37 -4.01 15.56	36.05 -4.11 13.68	64.71 -5.60 1.16	73.34 -5.95 3.06	77.94 -7.12 6.96	51.93 -4.64 0.98	49.87 -4.85 0.00	45.59 -5.00 2.39	41.00 -4.80 4.63	43.64 -4.38 0.00	43.27 -3.79 0.00
SENECA___ENERGY 23797	47.02 -0.86 -2.56	48.92 -1.06 -1.30	43.79 -1.00 -0.90	45.37 -1.10 -1.03	47.07 -1.06 -2.10	46.24 -1.12 -0.11	61.48 -1.20 0.00	76.52 -1.45 -0.24	84.31 -1.76 0.00	113.40 -2.34 0.00	60.44 -1.30 -2.03	52.88 -1.01 -3.53	55.92 -1.15 -4.10	55.17 -1.14 -2.36	54.72 -1.17 -2.04	70.19 -1.46 -0.17	81.27 -1.54 -0.46	91.35 -1.84 -1.17	56.65 -1.19 -0.28	53.40 -1.32 0.00	51.93 -1.44 -0.39	49.98 -1.46 -1.01	46.61 -1.41 0.00	45.73 -1.33 0.00
SHOEMAKER___GT 23640	47.04 1.73 0.00	50.36 1.68 0.00	45.36 1.47 0.00	46.90 1.45 0.00	47.48 1.45 0.00	48.89 1.64 0.00	65.09 2.41 0.00	80.43 2.70 0.00	88.76 2.68 0.00	119.52 3.78 0.00	61.83 2.12 0.00	52.23 1.87 0.00	54.86 1.89 0.00	55.89 1.95 0.00	55.71 1.86 0.00	73.94 2.47 0.00	85.06 2.71 0.00	95.38 3.36 0.00	59.75 2.19 0.00	56.72 2.00 0.00	54.95 1.97 0.00	52.34 1.91 0.00	49.64 1.62 0.00	48.59 1.53 0.00
SHOEMAKR_138KV_BK 111 55601	47.01 1.70 0.00	50.33 1.65 0.00	45.33 1.44 0.00	46.86 1.41 0.00	47.45 1.42 0.00	48.86 1.61 0.00	65.09 2.41 0.00	80.39 2.66 0.00	88.69 2.61 0.00	119.47 3.72 0.00	61.78 2.07 0.00	52.22 1.85 0.00	54.83 1.86 0.00	55.87 1.92 0.00	55.69 1.84 0.00	73.89 2.41 0.00	85.00 2.65 0.00	95.30 3.29 0.00	59.71 2.15 0.00	56.68 1.96 0.00	54.92 1.94 0.00	52.33 1.90 0.00	49.62 1.60 0.00	48.58 1.52 0.00
SHOREHAM_IC_1 23715	60.85 2.36 -13.18	50.96 2.29 0.00	45.88 1.99 0.00	47.35 1.90 0.00	48.00 1.97 0.00	49.66 2.42 0.00	67.03 3.66 -0.70	92.48 3.81 -10.95	89.91 3.83 0.00	126.51 5.63 -5.13	73.42 3.56 -10.14	55.57 3.20 -2.00	64.05 3.52 -7.57	145.41 3.70 -87.77	66.42 2.68 -9.89	87.07 3.39 -12.20	121.60 3.96 -35.29	163.13 5.28 -65.84	107.58 3.41 -46.60	92.11 3.08 -34.30	62.56 2.91 -6.67	55.76 2.93 -2.41	50.63 2.61 0.00	49.76 2.70 0.00
SHOREHAM_IC_2 23716	60.83 2.34 -13.18	50.95 2.27 0.00	45.88 1.98 0.00	47.33 1.88 0.00	47.99 1.96 0.00	49.66 2.42 0.00	67.03 3.66 -0.70	92.48 3.80 -10.95	89.91 3.83 0.00	126.51 5.64 -5.13	73.40 3.55 -10.14	55.57 3.21 -2.00	64.05 3.51 -7.57	145.39 3.68 -87.77	66.41 2.67 -9.89	87.07 3.39 -12.20	121.60 3.96 -35.29	163.13 5.27 -65.84	107.58 3.42 -46.60	92.09 3.07 -34.30	62.56 2.91 -6.67	55.76 2.93 -2.41	50.62 2.61 0.00	49.76 2.70 0.00
SISSONVILLE___ 23735	46.35 1.04 0.00	49.74 1.07 0.00	44.73 0.84 0.00	46.40 0.95 0.00	47.05 1.02 0.00	48.36 1.12 0.00	64.44 1.77 0.00	79.99 2.26 0.00	88.73 2.65 0.00	119.70 3.95 0.00	61.74 2.03 0.00	51.74 1.38 0.00	54.32 1.35 0.00	55.20 1.26 0.00	55.09 1.24 0.00	72.86 1.38 0.00	83.62 1.28 0.00	93.21 1.19 0.00	57.91 0.35 0.00	55.25 0.54 0.00	53.95 0.97 0.00	51.68 1.25 0.00	49.29 1.27 0.00	48.44 1.38 0.00
SITHE_IND_GS1 24169	31.93 -1.78 11.61	31.93 -1.97 14.77	31.93 -1.76 10.21	31.93 -1.87 11.66	31.93 -1.87 12.24	44.00 -2.00 1.25	60.07 -2.61 0.00	74.50 -3.23 0.00	82.46 -3.61 0.00	110.91 -4.84 0.00	57.18 -2.53 0.00	48.29 -2.07 0.00	50.72 -2.25 0.00	51.67 -2.27 0.00	51.59 -2.26 0.00	68.48 -3.00 0.00	78.92 -3.43 0.00	88.11 -3.90 0.00	55.12 -2.44 0.00	52.33 -2.38 0.00	50.61 -2.37 0.00	48.17 -2.25 0.00	45.85 -2.16 0.00	44.96 -2.10 0.00
SITHE_IND_GS2 24170	31.93 -1.78 11.61	31.93 -1.97 14.77	31.93 -1.76 10.21	31.93 -1.87 11.66	31.93 -1.87 12.24	44.00 -2.00 1.25	60.07 -2.61 0.00	74.50 -3.23 0.00	82.46 -3.61 0.00	110.91 -4.84 0.00	57.18 -2.53 0.00	48.29 -2.07 0.00	50.72 -2.25 0.00	51.67 -2.27 0.00	51.59 -2.26 0.00	68.48 -3.00 0.00	78.92 -3.43 0.00	88.11 -3.90 0.00	55.12 -2.44 0.00	52.33 -2.38 0.00	50.61 -2.37 0.00	48.17 -2.25 0.00	45.85 -2.16 0.00	44.96 -2.10 0.00
SITHE_IND_GS3 24171	31.93 -1.78 11.61	31.93 -1.97 14.77	31.93 -1.76 10.21	31.93 -1.87 11.66	31.93 -1.87 12.24	44.00 -2.00 1.25	60.07 -2.61 0.00	74.50 -3.23 0.00	82.46 -3.61 0.00	110.91 -4.84 0.00	55.99 -2.53 1.19	43.20 -2.07 5.09	50.72 -2.25 0.00	51.67 -2.27 0.00	51.59 -2.26 0.00	68.48 -3.00 0.00	78.92 -3.43 0.00	88.11 -3.90 0.00	55.12 -2.44 0.00	52.33 -2.38 0.00	50.61 -2.37 0.00	48.17 -2.25 0.00	45.85 -2.16 0.00	44.96 -2.10 0.00
SITHE_IND_GS4 24172	31.93 -1.78 11.61	31.93 -1.97 14.77	31.93 -1.76 10.21	31.93 -1.87 11.66	31.93 -1.87 12.24	44.00 -2.00 1.25	60.07 -2.61 0.00	74.50 -3.23 0.00	82.46 -3.61 0.00	110.91 -4.84 0.00	55.99 -2.53 1.19	43.20 -2.07 5.09	50.72 -2.25 0.00	51.67 -2.27 0.00	51.59 -2.26 0.00	68.48 -3.00 0.00	78.92 -3.43 0.00	88.11 -3.90 0.00	55.12 -2.44 0.00	52.33 -2.38 0.00	50.61 -2.37 0.00	48.17 -2.25 0.00	45.85 -2.16 0.00	44.96 -2.10 0.00

SITHE___BATAVIA 24024	39.01 -1.51 4.79	46.78 -1.89 0.00	42.17 -1.72 0.00	43.58 -1.88 0.00	41.09 -1.76 3.18	45.05 -2.19 0.00	60.20 -2.48 0.00	73.83 -3.17 0.73	82.11 -3.96 0.00	110.59 -5.15 0.00	51.13 -2.81 5.77	37.60 -2.12 10.64	34.41 -2.36 16.20	40.51 -2.29 11.14	41.73 -2.32 9.80	67.28 -3.36 0.83	76.92 -3.23 2.20	83.20 -3.84 4.98	54.19 -2.66 0.70	51.80 -2.92 0.00	48.11 -3.13 1.74	44.03 -3.08 3.32	45.09 -2.93 0.00	44.57 -2.48 0.00
SITHE___INDEPEND 23800	31.94 -1.77 11.61	31.93 -1.97 14.77	31.93 -1.76 10.21	31.93 -1.86 11.66	31.94 -1.86 12.24	44.00 -2.00 1.25	60.07 -2.61 0.00	74.50 -3.23 0.00	82.46 -3.61 0.00	110.92 -4.82 0.00	57.21 -2.50 0.00	48.28 -2.08 0.00	50.71 -2.25 0.00	51.67 -2.27 0.00	51.59 -2.26 0.00	68.48 -3.00 0.00	78.92 -3.43 0.00	88.12 -3.90 0.00	55.12 -2.44 0.00	52.33 -2.38 0.00	50.61 -2.37 0.00	48.17 -2.26 0.00	45.85 -2.17 0.00	44.96 -2.10 0.00
SITHE___MASSENA 23902	46.22 0.91 0.00	49.68 1.00 0.00	44.74 0.85 0.00	46.37 0.92 0.00	47.06 1.03 0.00	48.32 1.07 0.00	64.27 1.60 0.00	79.74 2.02 0.00	88.14 2.06 0.00	118.52 2.78 0.00	61.18 1.47 0.00	51.52 1.16 0.00	54.23 1.27 0.00	55.20 1.26 0.00	55.12 1.27 0.00	73.15 1.67 0.00	84.40 2.05 0.00	94.44 2.42 0.00	58.80 1.24 0.00	55.96 1.24 0.00	54.24 1.26 0.00	51.67 1.25 0.00	49.32 1.30 0.00	48.44 1.38 0.00
SITHE___OGDNSBRG 24021	47.05 1.73 0.00	50.51 1.84 0.00	45.45 1.56 0.00	47.14 1.69 0.00	47.82 1.79 0.00	49.20 1.95 0.00	65.64 2.96 0.00	81.48 3.75 0.00	89.08 3.00 0.00	118.87 3.12 0.00	61.59 1.88 0.00	52.55 2.19 0.00	55.24 2.27 0.00	56.16 2.22 0.00	56.14 2.29 0.00	74.41 2.94 0.00	85.87 3.52 0.00	95.91 3.90 0.00	59.62 2.06 0.00	56.78 2.06 0.00	55.13 2.15 0.00	52.63 2.20 0.00	50.21 2.20 0.00	49.30 2.24 0.00
SITHE___STERLING 23777	46.37 1.06 0.00	49.73 1.06 0.00	44.85 0.96 0.00	46.40 0.95 0.00	47.05 1.02 0.00	48.49 1.25 0.00	64.61 1.93 0.00	80.40 2.48 -0.20	88.98 2.91 0.00	119.60 3.86 0.00	63.28 1.95 -1.62	54.89 1.65 -2.87	58.38 1.70 -3.71	58.08 1.82 -2.32	55.34 1.49 0.00	73.45 1.98 0.00	84.74 2.39 0.00	94.56 2.34 -0.21	59.15 1.38 -0.21	55.86 1.15 0.00	54.02 1.04 0.00	51.37 0.94 0.00	48.75 0.74 0.00	47.76 0.70 0.00
SLEIGHT__34_KV_TB1 80719	44.32 -1.51 -0.51	47.49 -1.84 -0.66	42.70 -1.65 -0.46	44.13 -1.84 -0.52	44.88 -1.69 -0.55	45.50 -1.79 -0.06	60.70 -1.98 0.00	75.23 -2.50 0.00	83.07 -3.00 0.00	111.78 -3.96 0.00	57.58 -2.14 0.00	48.61 -1.75 0.00	48.60 -1.92 2.44	49.46 -1.87 2.61	49.64 -1.89 2.32	68.81 -2.47 0.20	79.23 -2.60 0.52	87.96 -3.05 1.01	55.55 -2.01 0.00	52.58 -2.14 0.00	50.28 -2.30 0.40	48.02 -2.28 0.13	45.82 -2.20 0.00	45.02 -2.04 0.00
SMITHTWN_69_KV_BK 1 55830	58.71 2.38 -11.02	51.02 2.34 0.00	45.94 2.05 0.00	47.38 1.93 0.00	48.04 2.00 0.00	49.65 2.41 0.00	66.58 3.58 -0.32	86.66 3.78 -5.16	90.34 4.27 0.00	124.05 5.88 -2.42	73.21 3.53 -9.98	55.09 3.06 -1.67	59.60 3.06 -3.57	135.08 3.36 -77.78	62.04 2.51 -5.68	81.19 3.31 -6.41	112.95 3.85 -26.76	151.23 5.08 -54.14	100.20 3.33 -39.31	86.17 3.01 -28.45	59.03 2.91 -3.14	54.47 2.92 -1.13	50.62 2.60 0.00	49.81 2.76 0.00
SOUTH CAIRO___GT 23612	47.33 2.01 0.00	50.87 2.19 0.00	46.03 2.14 0.00	47.61 2.16 0.00	48.16 2.13 0.00	49.49 2.25 0.00	65.25 2.57 0.00	81.41 3.69 0.00	90.30 4.22 0.00	120.92 5.18 0.00	62.06 2.35 0.00	52.13 1.77 0.00	55.19 2.22 0.00	55.97 2.03 0.00	56.22 2.37 0.00	75.01 3.53 0.00	86.63 4.29 0.00	96.57 4.55 0.00	60.88 3.32 0.00	57.77 3.05 0.00	55.91 2.92 0.00	53.13 2.70 0.00	50.55 2.53 0.00	49.31 2.25 0.00
SOUTH HAMPTN___IC 23720	60.94 2.23 -13.40	50.80 2.12 0.00	45.74 1.85 0.00	47.21 1.76 0.00	47.86 1.83 0.00	49.56 2.32 0.00	67.03 3.61 -0.74	93.12 3.82 -11.58	90.25 4.17 0.00	128.33 7.16 -5.42	74.34 4.49 -10.15	56.53 4.13 -2.03	65.40 4.43 -8.00	147.33 4.62 -88.77	67.25 3.06 -10.34	87.69 3.39 -12.83	122.64 4.10 -36.20	164.53 5.46 -67.06	108.35 3.43 -47.36	92.71 3.08 -34.91	62.88 2.84 -7.05	55.80 2.83 -2.54	50.60 2.58 0.00	49.63 2.57 0.00
SOUTHDOW_115KV_TB1 355954	36.32 -1.81 7.19	46.42 -2.26 0.00	41.77 -2.12 0.00	43.05 -2.40 0.00	39.06 -2.21 4.77	45.04 -2.21 0.00	60.44 -2.24 0.00	73.52 -3.11 1.10	82.09 -3.98 0.00	110.61 -5.13 0.00	48.06 -2.85 8.79	32.24 -2.12 16.01	26.15 -2.44 24.37	35.00 -2.17 16.77	36.59 -2.52 14.74	66.78 -3.44 1.25	75.76 -3.29 3.30	79.54 -4.99 7.49	53.31 -3.20 1.05	51.11 -3.61 0.00	46.53 -3.95 2.50	41.60 -3.89 4.94	44.60 -3.42 0.00	44.08 -2.98 0.00
SOUTHOLD_69_KV_BK 2 55809	60.42 1.71 -13.40	50.24 1.56 0.00	45.24 1.35 0.00	46.71 1.26 0.00	47.36 1.32 0.00	49.09 1.85 0.00	66.49 3.08 -0.73	92.52 3.22 -11.57	89.91 3.83 0.00	129.17 8.01 -5.42	74.92 5.07 -10.15	57.22 4.83 -2.03	66.12 5.16 -8.00	148.01 5.31 -88.76	67.31 3.13 -10.33	87.08 2.78 -12.82	122.16 3.63 -36.18	164.07 5.01 -67.04	107.92 3.01 -47.35	92.29 2.67 -34.91	62.40 2.37 -7.05	55.30 2.34 -2.54	50.22 2.21 0.00	49.14 2.08 0.00
SOUTHOLD___IC 23719	60.45 1.74 -13.40	50.25 1.58 0.00	45.24 1.35 0.00	46.72 1.26 0.00	47.37 1.33 0.00	49.09 1.85 0.00	66.49 3.08 -0.73	92.53 3.23 -11.57	89.92 3.84 0.00	129.17 8.01 -5.42	74.95 5.09 -10.15	57.22 4.83 -2.03	66.13 5.16 -8.00	148.02 5.32 -88.76	67.31 3.12 -10.33	87.07 2.78 -12.82	122.14 3.61 -36.18	164.07 5.01 -67.04	107.93 3.02 -47.35	92.30 2.67 -34.91	62.40 2.38 -7.05	55.30 2.34 -2.54	50.22 2.20 0.00	49.14 2.08 0.00
SOUTH_FORK_WT_PWR 323839	59.70 0.99 -13.40	49.43 0.75 0.00	44.51 0.62 0.00	45.98 0.53 0.00	46.60 0.57 0.00	48.33 1.08 0.00	65.51 2.10 -0.73	91.33 2.03 -11.57	88.84 2.76 0.00	128.90 7.74 -5.42	74.95 5.09 -10.15	57.39 5.00 -2.03	66.30 5.33 -8.00	148.20 5.50 -88.76	66.95 2.75 -10.34	85.98 1.68 -12.82	121.00 2.46 -36.19	162.80 3.73 -67.05	107.02 2.10 -47.35	91.46 1.83 -34.91	61.56 1.53 -7.05	54.49 1.52 -2.54	49.55 1.53 0.00	48.41 1.36 0.00
SPIERFLS_115KV_TB 1 80737	47.20 1.89 0.00	50.75 2.08 0.00	45.72 1.83 0.00	47.39 1.94 0.00	47.98 1.95 0.00	49.41 2.17 0.00	65.24 2.56 0.00	81.20 3.48 0.00	90.25 4.18 0.00	120.95 5.20 0.00	62.20 2.49 0.00	52.16 1.80 0.00	54.84 1.87 0.00	55.79 1.85 0.00	55.89 2.04 0.00	74.19 2.71 0.00	85.70 3.36 0.00	95.27 3.25 0.00	60.25 2.69 0.00	57.16 2.44 0.00	55.52 2.54 0.00	52.66 2.24 0.00	50.13 2.12 0.00	48.72 1.67 0.00
ST LAWRENCE____ 23600	45.51 0.19 0.00	48.95 0.27 0.00	44.10 0.21 0.00	45.69 0.23 0.00	46.35 0.32 0.00	47.58 0.34 0.00	63.23 0.55 0.00	78.46 0.74 0.00	86.78 0.71 0.00	116.70 0.95 0.00	60.24 0.54 0.00	50.72 0.36 0.00	53.40 0.44 0.00	54.37 0.43 0.00	54.29 0.44 0.00	72.10 0.63 0.00	83.19 0.84 0.00	93.17 1.15 0.00	58.07 0.51 0.00	55.23 0.51 0.00	53.47 0.49 0.00	50.91 0.49 0.00	48.60 0.58 0.00	47.69 0.63 0.00

STATE_CA_115KV_115_LB 55624	46.21 0.90 0.00	49.65 0.98 0.00	44.94 1.05 0.00	46.50 1.04 0.00	47.04 1.01 0.00	48.21 0.97 0.00	63.37 0.69 0.00	78.86 1.13 0.00	87.55 1.48 0.00	117.50 1.76 0.00	60.65 0.94 0.00	51.25 0.89 0.00	53.84 0.87 0.00	54.75 0.81 0.00	54.83 0.98 0.00	72.61 1.13 0.00	83.50 1.15 0.00	92.91 0.89 0.00	58.67 1.11 0.00	55.80 1.08 0.00	54.11 1.13 0.00	51.59 1.17 0.00	49.24 1.22 0.00	48.14 1.08 0.00
STATE_ST_34_KV_LOAD 55959	49.40 -0.26 -4.35	49.66 -0.40 -1.39	44.35 -0.50 -0.96	45.95 -0.60 -1.10	48.81 -0.53 -3.31	46.80 -0.56 -0.12	62.18 -0.50 0.00	77.54 -0.69 -0.50	85.26 -0.81 0.00	114.55 -1.20 0.00	63.24 -0.67 -4.20	57.22 -0.55 -7.41	61.64 -0.63 -9.30	59.09 -0.55 -5.70	58.23 -0.60 -4.97	71.16 -0.74 -0.42	82.74 -0.72 -1.11	93.82 -0.94 -2.74	57.56 -0.57 -0.57	54.03 -0.69 0.00	53.13 -0.77 -0.92	51.81 -0.79 -2.17	47.33 -0.69 0.00	46.38 -0.68 0.00
STATION_5_MISC_HYD 23604	40.39 -1.54 3.38	46.80 -1.88 0.00	42.21 -1.69 0.00	43.63 -1.83 0.00	42.02 -1.77 2.24	45.25 -1.99 0.00	60.47 -2.21 0.00	74.37 -2.84 0.52	82.53 -3.55 0.00	111.12 -4.62 0.00	53.04 -2.50 4.17	40.80 -1.98 7.59	39.29 -2.19 11.49	43.90 -2.12 7.92	44.72 -2.15 6.98	68.04 -2.84 0.59	77.85 -2.94 1.56	84.99 -3.48 3.54	54.73 -2.34 0.49	52.23 -2.49 0.00	49.05 -2.68 1.25	45.47 -2.61 2.35	45.55 -2.47 0.00	44.90 -2.16 0.00
STA_168_34_KV_BK1_2_REV_LBMP_B 345032	43.04 -1.25 1.02	47.82 -1.55 -0.70	42.99 -1.38 -0.48	44.45 -1.55 -0.55	44.16 -1.41 0.46	45.79 -1.52 -0.06	61.03 -1.65 0.00	75.41 -2.08 0.24	83.54 -2.54 0.00	112.38 -3.37 0.00	55.99 -1.83 1.89	45.38 -1.49 3.50	45.73 -1.62 5.62	48.38 -1.57 4.00	48.70 -1.61 3.54	69.09 -2.09 0.30	79.39 -2.16 0.79	87.66 -2.59 1.77	55.63 -1.71 0.22	52.87 -1.85 0.00	50.36 -1.99 0.62	47.34 -1.99 1.10	46.08 -1.93 0.00	45.31 -1.75 0.00
STA_56_34_KV_BUS2_REV_LBMP_B 345033	40.50 -1.84 2.98	46.45 -2.22 0.00	41.93 -1.96 0.00	43.26 -2.19 0.00	42.01 -2.05 1.97	44.99 -2.26 0.00	60.06 -2.63 0.00	73.90 -3.37 0.45	82.01 -4.06 0.00	110.44 -5.30 0.00	53.25 -2.80 3.65	41.40 -2.29 6.68	40.32 -2.48 10.17	44.47 -2.43 7.04	45.17 -2.48 6.20	67.66 -3.29 0.53	77.51 -3.45 1.39	84.80 -4.08 3.14	54.44 -2.69 0.43	51.90 -2.82 0.00	48.91 -2.96 1.11	45.48 -2.88 2.07	45.28 -2.74 0.00	44.62 -2.44 0.00
STA_56___34_KV_BUS2 355983	40.50 -1.84 2.98	46.45 -2.22 0.00	41.93 -1.96 0.00	43.26 -2.19 0.00	42.01 -2.05 1.97	44.99 -2.26 0.00	60.06 -2.63 0.00	73.90 -3.37 0.45	82.01 -4.06 0.00	110.44 -5.30 0.00	53.25 -2.80 3.65	41.40 -2.29 6.68	40.32 -2.48 10.17	44.47 -2.43 7.04	45.17 -2.48 6.20	67.66 -3.29 0.53	77.51 -3.45 1.39	84.80 -4.08 3.14	54.44 -2.69 0.43	51.90 -2.82 0.00	48.91 -2.96 1.11	45.48 -2.88 2.07	45.28 -2.74 0.00	44.62 -2.44 0.00
STA_67___115KV_BK2 355882	40.30 -1.64 3.38	46.66 -2.02 0.00	42.11 -1.78 0.00	43.44 -2.01 0.00	41.95 -1.84 2.24	45.17 -2.08 0.00	60.34 -2.34 0.00	74.19 -3.02 0.52	82.36 -3.71 0.00	110.90 -4.84 0.00	52.98 -2.57 4.16	40.70 -2.08 7.58	39.21 -2.28 11.48	43.81 -2.21 7.92	44.61 -2.27 6.97	67.88 -3.01 0.59	77.69 -3.10 1.56	84.80 -3.68 3.54	54.60 -2.47 0.49	52.10 -2.62 0.00	48.95 -2.78 1.25	45.36 -2.72 2.35	45.45 -2.57 0.00	44.81 -2.24 0.00
STA_7___115KV_9TRANS 80674	40.57 -1.37 3.38	46.92 -1.76 0.00	42.34 -1.55 0.00	43.69 -1.77 0.00	42.20 -1.59 2.24	45.44 -1.80 0.00	60.75 -1.92 0.00	74.74 -2.47 0.52	82.99 -3.08 0.00	111.71 -4.03 0.00	53.40 -2.15 4.16	41.06 -1.72 7.58	39.62 -1.88 11.47	44.23 -1.80 7.91	45.02 -1.86 6.97	68.40 -2.48 0.59	78.30 -2.49 1.56	85.54 -2.94 3.54	55.06 -2.01 0.49	52.54 -2.18 0.00	49.35 -2.39 1.25	45.72 -2.36 2.34	45.76 -2.25 0.00	45.10 -1.96 0.00
STA_82___115KV_TB1 80780	40.24 -1.67 3.40	46.62 -2.05 0.00	42.07 -1.82 0.00	43.41 -2.04 0.00	41.90 -1.87 2.26	45.13 -2.12 0.00	60.27 -2.40 0.00	74.12 -3.09 0.52	82.27 -3.80 0.00	110.79 -4.96 0.00	52.88 -2.63 4.19	40.59 -2.13 7.64	39.08 -2.33 11.55	43.71 -2.27 7.96	44.51 -2.32 7.01	67.80 -3.08 0.60	77.59 -3.18 1.57	84.68 -3.77 3.56	54.54 -2.52 0.50	52.05 -2.67 0.00	48.89 -2.84 1.26	45.30 -2.76 2.36	45.41 -2.61 0.00	44.78 -2.28 0.00
STEEL___WIND 323596	35.70 -2.90 6.71	45.31 -3.36 0.00	40.84 -3.05 0.00	42.18 -3.27 0.00	38.30 -3.28 4.45	43.63 -3.61 0.00	58.22 -4.46 0.00	70.76 -5.94 1.03	79.14 -6.93 0.00	106.64 -9.10 0.00	46.84 -4.85 8.02	31.63 -3.89 14.84	26.02 -4.28 22.67	34.30 -4.08 15.56	35.99 -4.17 13.68	64.63 -5.68 1.16	73.25 -6.04 3.06	77.85 -7.21 6.96	51.88 -4.70 0.98	49.79 -4.93 0.00	45.54 -5.05 2.39	40.95 -4.84 4.63	43.62 -4.40 0.00	43.22 -3.84 0.00
STEPHTWN_115KV_BK_2 55603	46.53 1.22 0.00	49.83 1.16 0.00	45.17 1.28 0.00	46.69 1.23 0.00	47.33 1.30 0.00	48.59 1.35 0.00	63.93 1.25 0.00	79.59 1.87 0.00	88.16 2.08 0.00	118.29 2.54 0.00	61.01 1.30 0.00	51.52 1.16 0.00	54.22 1.26 0.00	55.17 1.23 0.00	55.21 1.36 0.00	73.31 1.83 0.00	84.37 2.02 0.00	93.77 1.76 0.00	59.19 1.63 0.00	56.26 1.54 0.00	54.61 1.63 0.00	52.02 1.60 0.00	49.54 1.52 0.00	48.40 1.34 0.00
STEBEN_REC_LFGE 323667	17.08 -3.04 25.19	44.98 -3.69 0.00	40.64 -3.26 0.00	41.55 -3.90 0.00	25.64 -3.69 16.71	43.14 -4.11 0.00	57.23 -5.44 0.00	66.58 -7.28 3.87	78.00 -8.07 0.00	104.34 -11.39 0.00	20.32 -6.11 33.27	-12.25 -5.03 57.58	-31.45 -5.41 79.02	-2.80 -4.85 51.89	3.02 -5.23 45.60	60.44 -7.17 3.87	64.72 -7.41 10.21	60.26 -8.13 23.62	48.89 -4.96 3.71	49.44 -5.28 0.00	38.02 -6.04 8.92	27.64 -5.43 17.36	43.00 -5.01 0.00	42.50 -4.56 0.00
STILLWATER___SOLAR 323814	47.10 1.79 0.00	50.67 2.00 0.00	45.73 1.84 0.00	47.36 1.91 0.00	47.93 1.90 0.00	49.28 2.04 0.00	65.05 2.37 0.00	80.84 3.12 0.00	89.81 3.74 0.00	120.55 4.80 0.00	62.02 2.31 0.00	52.16 1.80 0.00	54.83 1.87 0.00	55.81 1.87 0.00	55.85 2.00 0.00	74.17 2.69 0.00	85.49 3.14 0.00	95.24 3.22 0.00	60.04 2.48 0.00	57.05 2.33 0.00	55.33 2.35 0.00	52.57 2.15 0.00	49.99 1.98 0.00	48.75 1.69 0.00
STONY___BROOK 24151	59.85 2.32 -12.23	50.94 2.27 0.00	45.86 1.97 0.00	47.31 1.86 0.00	47.96 1.92 0.00	49.57 2.33 0.00	66.69 3.48 -0.53	89.73 3.64 -8.36	90.18 4.11 0.00	125.32 5.66 -3.92	73.21 3.42 -10.08	55.17 2.95 -1.86	61.72 2.97 -5.78	140.59 3.27 -83.38	64.23 2.37 -8.01	84.23 3.14 -9.62	117.48 3.63 -31.50	157.50 4.82 -60.66	104.11 3.17 -43.38	89.29 2.86 -31.71	60.83 2.75 -5.09	55.04 2.78 -1.84	50.50 2.47 0.00	49.69 2.63 0.00
STURGEON_POOL_HYD 23609	47.24 1.93 0.00	50.54 1.87 0.00	45.54 1.65 0.00	47.07 1.62 0.00	47.64 1.61 0.00	49.09 1.84 0.00	65.45 2.78 0.00	80.87 3.15 0.00	89.40 3.33 0.00	120.26 4.52 0.00	62.18 2.47 0.00	52.57 2.20 0.00	55.17 2.20 0.00	56.18 2.24 0.00	55.95 2.10 0.00	74.23 2.75 0.00	85.38 3.03 0.00	95.76 3.75 0.00	60.00 2.44 0.00	56.96 2.24 0.00	55.23 2.25 0.00	52.65 2.23 0.00	49.88 1.87 0.00	48.85 1.80 0.00

ST_LAW_115_BK7_LBMP 345037	45.55 0.24 0.00	48.99 0.32 0.00	44.14 0.25 0.00	45.73 0.28 0.00	46.41 0.37 0.00	47.63 0.39 0.00	63.32 0.64 0.00	78.56 0.84 0.00	86.88 0.81 0.00	116.81 1.07 0.00	60.31 0.60 0.00	50.77 0.41 0.00	53.48 0.51 0.00	54.44 0.50 0.00	54.35 0.51 0.00	72.18 0.70 0.00	83.29 0.94 0.00	93.27 1.25 0.00	58.11 0.55 0.00	55.28 0.57 0.00	53.54 0.56 0.00	50.97 0.55 0.00	48.66 0.64 0.00	47.76 0.70 0.00
ST_LAW_115_BK8_LBMP 345038	45.55 0.24 0.00	48.99 0.32 0.00	44.14 0.25 0.00	45.73 0.28 0.00	46.41 0.37 0.00	47.63 0.39 0.00	63.32 0.64 0.00	78.56 0.84 0.00	86.88 0.81 0.00	116.81 1.07 0.00	60.31 0.60 0.00	50.77 0.41 0.00	53.48 0.51 0.00	54.44 0.50 0.00	54.35 0.51 0.00	72.18 0.70 0.00	83.29 0.94 0.00	93.27 1.25 0.00	58.11 0.55 0.00	55.28 0.57 0.00	53.54 0.56 0.00	50.97 0.55 0.00	48.66 0.64 0.00	47.76 0.70 0.00
ST_LAW_230_BK5_LBMP 345035	45.51 0.19 0.00	48.95 0.27 0.00	44.10 0.21 0.00	45.69 0.23 0.00	46.35 0.32 0.00	47.58 0.34 0.00	63.23 0.55 0.00	78.46 0.74 0.00	86.78 0.71 0.00	116.70 0.95 0.00	60.24 0.54 0.00	50.72 0.36 0.00	53.40 0.44 0.00	54.37 0.43 0.00	54.29 0.44 0.00	72.10 0.63 0.00	83.19 0.84 0.00	93.17 1.15 0.00	58.07 0.51 0.00	55.23 0.51 0.00	53.47 0.49 0.00	50.91 0.49 0.00	48.60 0.58 0.00	47.69 0.63 0.00
ST_LAW_230_BK6_LBMP 345036	45.51 0.19 0.00	48.95 0.27 0.00	44.10 0.21 0.00	45.69 0.23 0.00	46.35 0.32 0.00	47.58 0.34 0.00	63.23 0.55 0.00	78.46 0.74 0.00	86.78 0.71 0.00	116.70 0.95 0.00	60.24 0.54 0.00	50.72 0.36 0.00	53.40 0.44 0.00	54.37 0.43 0.00	54.29 0.44 0.00	72.10 0.63 0.00	83.19 0.84 0.00	93.17 1.15 0.00	58.07 0.51 0.00	55.23 0.51 0.00	53.47 0.49 0.00	50.91 0.49 0.00	48.60 0.58 0.00	47.69 0.63 0.00
SUGRLOAF_69_KV_LOAD_REV_LBMP_G 345026	47.15 1.84 0.00	50.47 1.79 0.00	45.43 1.54 0.00	46.96 1.51 0.00	47.55 1.52 0.00	48.98 1.74 0.00	65.31 2.63 0.00	80.57 2.84 0.00	88.83 2.75 0.00	119.71 3.97 0.00	61.91 2.20 0.00	52.41 2.05 0.00	55.00 2.03 0.00	56.04 2.09 0.00	55.84 1.99 0.00	74.07 2.59 0.00	85.19 2.84 0.00	95.62 3.60 0.00	59.89 2.33 0.00	56.83 2.12 0.00	55.06 2.08 0.00	52.48 2.05 0.00	49.75 1.73 0.00	48.69 1.63 0.00
SWANROAD_115KV_TB1 355699	36.11 -3.52 5.68	44.55 -4.12 0.00	40.27 -3.63 0.00	41.42 -4.03 0.00	38.46 -3.80 3.77	42.66 -4.58 0.00	56.62 -6.06 0.00	69.16 -7.69 0.87	77.06 -9.02 0.00	103.83 -11.91 0.00	46.98 -5.93 6.81	33.10 -4.68 12.58	28.80 -4.97 19.20	35.65 -5.10 13.19	37.03 -5.21 11.60	62.93 -7.56 0.98	71.62 -8.13 2.60	76.71 -9.41 5.90	50.51 -6.22 0.83	48.45 -6.27 0.00	44.71 -6.23 2.04	40.62 -5.87 3.93	42.48 -5.54 0.00	42.22 -4.84 0.00
SYNERGY___BIOGAS 323694	39.00 -1.52 4.79	46.70 -1.97 0.00	42.15 -1.74 0.00	43.41 -2.05 0.00	41.10 -1.75 3.18	45.05 -2.19 0.00	60.19 -2.49 0.00	73.88 -3.11 0.73	82.15 -3.92 0.00	110.61 -5.13 0.00	51.26 -2.68 5.77	37.65 -2.08 10.64	34.48 -2.28 16.20	40.56 -2.23 11.14	41.76 -2.29 9.80	67.29 -3.35 0.83	76.99 -3.17 2.20	83.28 -3.76 4.98	54.21 -2.65 0.70	51.81 -2.91 0.00	48.14 -3.10 1.74	44.05 -3.06 3.32	45.08 -2.93 0.00	44.58 -2.48 0.00
SYRACUSE___ENERGY_ST1 323597	47.17 -0.65 -2.52	49.62 -0.80 -1.74	44.39 -0.71 -1.21	46.02 -0.80 -1.38	47.48 -0.76 -2.20	46.59 -0.79 -0.15	61.77 -0.91 0.00	76.76 -1.15 -0.18	84.78 -1.29 0.00	114.02 -1.72 0.00	60.28 -0.94 -1.51	52.18 -0.76 -2.58	53.53 -0.85 -1.41	53.12 -0.82 0.00	53.00 -0.85 0.00	70.40 -1.07 0.00	81.17 -1.17 0.00	90.78 -1.43 -0.19	56.85 -0.90 -0.19	53.76 -0.96 0.00	51.96 -1.02 0.00	50.06 -1.02 -0.66	47.00 -1.02 0.00	46.03 -1.02 0.00
SYRACUSE___ENERGY_ST2 323598	47.17 -0.65 -2.52	49.62 -0.80 -1.74	44.39 -0.71 -1.21	46.02 -0.80 -1.38	47.48 -0.76 -2.20	46.59 -0.79 -0.15	61.77 -0.91 0.00	76.76 -1.15 -0.18	84.78 -1.29 0.00	114.02 -1.72 0.00	60.28 -0.94 -1.51	52.18 -0.76 -2.58	53.53 -0.85 -1.41	53.12 -0.82 0.00	53.00 -0.85 0.00	70.40 -1.07 0.00	81.17 -1.17 0.00	90.78 -1.43 -0.19	56.85 -0.90 -0.19	53.76 -0.96 0.00	51.96 -1.02 0.00	50.06 -1.02 -0.66	47.00 -1.02 0.00	46.03 -1.02 0.00
SYRACUSE___POWER 24017	46.87 -0.62 -2.18	48.46 -0.77 -0.56	43.61 -0.67 -0.39	45.14 -0.76 -0.44	46.93 -0.72 -1.62	46.54 -0.75 -0.05	61.85 -0.83 0.00	77.00 -1.00 -0.27	84.94 -1.14 0.00	114.26 -1.49 0.00	61.15 -0.82 -2.26	53.72 -0.64 -4.00	57.37 -0.74 -5.15	56.44 -0.71 -3.20	55.86 -0.74 -2.75	70.81 -0.90 -0.23	81.98 -0.98 -0.62	92.31 -1.24 -1.53	57.10 -0.80 -0.33	53.85 -0.87 0.00	52.57 -0.92 -0.51	50.66 -0.93 -1.16	47.04 -0.97 0.00	46.08 -0.97 0.00
TALLMAN__138KV_BK151 55660	47.29 1.97 0.00	50.59 1.91 0.00	45.49 1.59 0.00	47.00 1.55 0.00	47.61 1.58 0.00	49.08 1.84 0.00	65.56 2.88 0.00	80.86 3.14 0.00	89.12 3.04 0.00	120.06 4.32 0.00	62.13 2.42 0.00	52.64 2.28 0.00	55.25 2.29 0.00	56.28 2.34 0.00	56.08 2.23 0.00	74.36 2.88 0.00	85.50 3.16 0.00	96.08 4.06 0.00	60.17 2.61 0.00	57.09 2.37 0.00	55.30 2.31 0.00	52.70 2.27 0.00	49.94 1.93 0.00	48.90 1.84 0.00
TEALLAVE_115KV_TB7 355573	44.78 -0.94 -0.41	48.09 -1.11 -0.53	43.28 -0.97 -0.36	44.79 -1.08 -0.42	45.43 -1.04 -0.44	46.20 -1.09 -0.04	61.36 -1.32 0.00	76.13 -1.60 0.00	84.31 -1.76 0.00	113.42 -2.33 0.00	58.46 -1.25 0.00	49.36 -1.00 0.00	51.85 -1.12 0.00	52.84 -1.11 0.00	52.71 -1.15 0.00	70.05 -1.43 0.00	80.79 -1.56 0.00	90.09 -1.93 0.00	56.30 -1.26 0.00	53.42 -1.30 0.00	51.64 -1.34 0.00	49.11 -1.32 0.00	46.69 -1.33 0.00	45.75 -1.31 0.00
TELGRAPH_34_KV_EAST 80808	37.54 -2.55 5.21	45.57 -3.10 0.00	41.16 -2.73 0.00	42.36 -3.09 0.00	39.75 -2.83 3.46	43.83 -3.42 0.00	58.41 -4.26 0.00	71.51 -5.42 0.80	79.60 -6.47 0.00	107.29 -8.45 0.00	49.16 -4.29 6.26	35.41 -3.40 11.56	31.69 -3.66 17.62	38.13 -3.70 12.11	39.41 -3.79 10.65	65.13 -5.44 0.90	74.27 -5.69 2.39	79.97 -6.64 5.42	52.35 -4.45 0.76	50.11 -4.61 0.00	46.39 -4.70 1.89	42.33 -4.49 3.61	43.80 -4.22 0.00	43.42 -3.64 0.00
TEMPLE___115KV_TB 2 55572	44.72 -0.92 -0.33	48.00 -1.10 -0.42	43.22 -0.97 -0.29	44.72 -1.07 -0.34	45.37 -1.02 -0.35	46.20 -1.08 -0.04	61.38 -1.30 0.00	76.14 -1.59 0.00	84.33 -1.75 0.00	113.43 -2.31 0.00	58.48 -1.24 0.00	49.38 -0.99 0.00	51.86 -1.10 0.00	52.85 -1.09 0.00	52.73 -1.12 0.00	70.08 -1.40 0.00	80.80 -1.55 0.00	90.11 -1.91 0.00	56.33 -1.23 0.00	53.44 -1.28 0.00	51.66 -1.31 0.00	49.13 -1.30 0.00	46.70 -1.32 0.00	45.77 -1.29 0.00
TIANA____69_KV_BK 1 55817	61.02 2.32 -13.40	50.91 2.24 0.00	45.86 1.96 0.00	47.30 1.85 0.00	47.97 1.94 0.00	49.67 2.43 0.00	67.14 3.72 -0.73	93.24 3.95 -11.57	90.31 4.23 0.00	128.00 6.84 -5.42	74.11 4.25 -10.15	56.31 3.92 -2.03	65.16 4.19 -8.00	147.05 4.35 -88.76	67.21 3.02 -10.33	87.81 3.52 -12.82	122.73 4.20 -36.18	164.63 5.57 -67.04	108.44 3.53 -47.35	92.80 3.17 -34.91	63.00 2.97 -7.05	55.93 2.96 -2.54	50.68 2.66 0.00	49.74 2.69 0.00

TILDEN___115KV_TB1 80814	46.87 -0.62 -2.18	48.46 -0.77 -0.56	43.61 -0.67 -0.39	45.14 -0.76 -0.44	46.93 -0.72 -1.62	46.54 -0.75 -0.05	61.85 -0.83 0.00	77.00 -1.00 -0.27	84.94 -1.14 0.00	114.26 -1.49 0.00	61.15 -0.82 -2.26	53.72 -0.64 -4.00	57.37 -0.74 -5.15	56.44 -0.71 -3.20	55.86 -0.74 -2.75	70.81 -0.90 -0.23	81.98 -0.98 -0.62	92.31 -1.24 -1.53	57.10 -0.80 -0.33	53.85 -0.87 0.00	52.57 -0.92 -0.51	50.66 -0.93 -1.16	47.04 -0.97 0.00	46.08 -0.97 0.00
TRIGEN___CC 323695	63.56 2.28 -15.97	50.92 2.25 0.00	45.84 1.95 0.00	47.32 1.87 0.00	47.94 1.91 0.00	49.47 2.23 0.00	65.91 3.23 0.00	81.20 3.48 0.00	90.09 4.02 0.00	121.10 5.33 -0.02	80.06 3.11 -17.24	55.60 2.81 -2.43	55.77 2.80 -0.01	177.90 3.17 -120.79	59.74 2.49 -3.40	77.03 3.35 -2.20	119.62 3.67 -33.60	173.32 4.62 -76.68	118.16 3.06 -57.54	98.27 2.81 -40.74	55.77 2.78 -0.01	53.17 2.74 0.00	50.41 2.39 0.00	49.52 2.46 0.00
TRINITY___115KV___4 BK 55933	46.03 0.71 0.00	49.46 0.79 0.00	44.76 0.86 0.00	46.31 0.86 0.00	46.85 0.82 0.00	48.02 0.78 0.00	63.10 0.42 0.00	78.47 0.74 0.00	87.14 1.07 0.00	116.95 1.21 0.00	60.33 0.62 0.00	50.95 0.59 0.00	53.53 0.57 0.00	54.44 0.50 0.00	54.54 0.69 0.00	72.22 0.74 0.00	83.04 0.69 0.00	92.41 0.39 0.00	58.36 0.80 0.00	55.51 0.79 0.00	53.85 0.87 0.00	51.36 0.93 0.00	49.00 0.98 0.00	47.91 0.86 0.00
UNION___PROCESSING_DRP 323587	40.28 -1.65 3.38	46.62 -2.05 0.00	42.09 -1.80 0.00	43.42 -2.03 0.00	41.92 -1.87 2.25	45.14 -2.10 0.00	60.28 -2.40 0.00	74.13 -3.08 0.52	82.30 -3.77 0.00	110.81 -4.93 0.00	52.92 -2.62 4.17	40.64 -2.13 7.60	39.15 -2.31 11.50	43.76 -2.25 7.93	44.56 -2.31 6.98	67.80 -3.08 0.59	77.61 -3.18 1.56	84.72 -3.75 3.55	54.56 -2.51 0.49	52.08 -2.64 0.00	48.92 -2.81 1.25	45.33 -2.74 2.35	45.42 -2.60 0.00	44.78 -2.28 0.00
UPPER HUDSON___HYD 24058	47.21 1.90 0.00	50.77 2.10 0.00	45.72 1.83 0.00	47.40 1.95 0.00	47.98 1.95 0.00	49.41 2.17 0.00	65.24 2.56 0.00	81.21 3.48 0.00	90.25 4.18 0.00	120.95 5.20 0.00	62.20 2.49 0.00	52.16 1.80 0.00	54.84 1.87 0.00	55.79 1.85 0.00	55.88 2.03 0.00	74.19 2.71 0.00	85.69 3.35 0.00	95.28 3.27 0.00	60.25 2.69 0.00	57.16 2.44 0.00	55.52 2.54 0.00	52.66 2.23 0.00	50.13 2.11 0.00	48.72 1.66 0.00
UPPER RAQUET___HYD 24056	46.35 1.04 0.00	49.71 1.04 0.00	44.72 0.83 0.00	46.32 0.87 0.00	47.05 1.02 0.00	48.36 1.12 0.00	64.44 1.77 0.00	79.99 2.26 0.00	88.73 2.66 0.00	119.70 3.96 0.00	61.77 2.06 0.00	51.74 1.37 0.00	54.32 1.35 0.00	55.21 1.27 0.00	55.10 1.25 0.00	72.86 1.38 0.00	83.62 1.28 0.00	93.20 1.19 0.00	57.91 0.35 0.00	55.25 0.54 0.00	53.95 0.97 0.00	51.68 1.25 0.00	49.29 1.27 0.00	48.44 1.38 0.00
VALLEY44_115KV_TB2 355964	35.28 -2.52 7.51	45.63 -3.05 0.00	41.04 -2.85 0.00	42.31 -3.14 0.00	38.18 -2.87 4.98	44.24 -3.01 0.00	59.02 -3.66 0.00	71.50 -5.07 1.15	79.75 -6.32 0.00	107.70 -8.05 0.00	46.27 -4.19 9.25	30.38 -3.22 16.76	23.95 -3.52 25.49	33.05 -3.34 17.55	34.80 -3.61 15.43	65.26 -4.91 1.31	73.55 -5.34 3.46	77.93 -6.25 7.84	52.37 -4.09 1.10	50.42 -4.30 0.00	46.03 -4.37 2.58	41.10 -4.18 5.15	44.13 -3.89 0.00	43.78 -3.28 0.00
VALLEY___115KV_TB 1-4 80826	47.67 2.36 0.00	51.21 2.54 0.00	46.20 2.30 0.00	47.78 2.33 0.00	48.45 2.42 0.00	49.81 2.57 0.00	65.85 3.17 0.00	81.77 4.04 0.00	90.64 4.57 0.00	121.83 6.08 0.00	62.90 3.19 0.00	52.95 2.59 0.00	55.58 2.62 0.00	56.65 2.71 0.00	56.69 2.84 0.00	75.21 3.73 0.00	86.57 4.22 0.00	96.27 4.25 0.00	60.38 2.83 0.00	57.24 2.53 0.00	55.41 2.43 0.00	52.79 2.36 0.00	50.20 2.18 0.00	49.02 1.96 0.00
VINEGAR_115_KV_917_CH_LD_REV_LBMP_E 345011	47.49 2.17 0.00	50.87 2.20 0.00	45.99 2.10 0.00	47.56 2.11 0.00	48.12 2.09 0.00	49.52 2.28 0.00	65.99 3.31 0.00	81.67 3.94 0.00	90.14 4.07 0.00	121.06 5.31 0.00	62.58 2.87 0.00	52.81 2.45 0.00	55.50 2.53 0.00	56.51 2.57 0.00	56.34 2.49 0.00	74.86 3.38 0.00	86.26 3.91 0.00	96.27 4.25 0.00	60.26 2.69 0.00	57.16 2.44 0.00	55.34 2.36 0.00	52.53 2.11 0.00	49.82 1.80 0.00	48.75 1.69 0.00
VISCHER___FERRY HYD 24020	46.54 1.23 0.00	50.11 1.43 0.00	45.25 1.36 0.00	46.86 1.40 0.00	47.40 1.37 0.00	48.66 1.42 0.00	63.97 1.30 0.00	79.57 1.84 0.00	88.47 2.40 0.00	118.81 3.06 0.00	61.16 1.45 0.00	51.50 1.14 0.00	54.11 1.14 0.00	55.03 1.09 0.00	55.11 1.26 0.00	73.12 1.64 0.00	84.13 1.78 0.00	93.66 1.64 0.00	59.15 1.59 0.00	56.27 1.55 0.00	54.59 1.61 0.00	51.92 1.50 0.00	49.41 1.40 0.00	48.22 1.16 0.00
V_A_10_SYNC_DSASP 323832	37.94 -2.90 4.47	45.25 -3.43 0.00	40.86 -3.03 0.00	42.10 -3.35 0.00	39.90 -3.17 2.96	43.67 -3.58 0.00	58.24 -4.44 0.00	71.20 -5.84 0.68	79.02 -7.05 0.00	106.47 -9.27 0.00	49.46 -4.84 5.40	36.44 -3.98 9.94	33.54 -4.27 15.16	39.29 -4.20 10.44	40.35 -4.32 9.19	64.87 -5.83 0.78	74.01 -6.28 2.06	79.94 -7.41 4.67	52.10 -4.80 0.65	49.86 -4.86 0.00	46.41 -4.96 1.61	42.61 -4.73 3.09	43.66 -4.35 0.00	43.27 -3.79 0.00
V_CMM_10_SYNC_DSASP 323787	45.80 0.49 0.00	49.27 0.59 0.00	44.38 0.49 0.00	46.04 0.59 0.00	46.65 0.61 0.00	47.88 0.63 0.00	63.66 0.98 0.00	78.97 1.25 0.00	87.35 1.28 0.00	117.43 1.68 0.00	60.59 0.89 0.00	51.03 0.67 0.00	53.75 0.78 0.00	54.72 0.79 0.00	54.64 0.79 0.00	72.55 1.07 0.00	83.75 1.41 0.00	93.79 1.78 0.00	58.43 0.87 0.00	55.60 0.88 0.00	53.82 0.84 0.00	51.23 0.80 0.00	48.91 0.89 0.00	48.01 0.96 0.00
V_CMP_10_SYNC_DSASP 323788	45.54 0.23 0.00	49.00 0.33 0.00	44.20 0.30 0.00	45.96 0.51 0.00	46.63 0.60 0.00	47.83 0.59 0.00	63.32 0.64 0.00	78.56 0.83 0.00	86.74 0.67 0.00	116.75 1.00 0.00	60.43 0.72 0.00	50.95 0.59 0.00	53.68 0.71 0.00	54.68 0.74 0.00	54.54 0.69 0.00	71.95 0.47 0.00	83.33 0.99 0.00	93.49 1.47 0.00	58.14 0.58 0.00	55.19 0.47 0.00	53.61 0.64 0.00	51.39 0.96 0.00	49.11 1.09 0.00	48.18 1.12 0.00
V_D_10_SYNC_DSASP 323841	46.21 0.91 0.00	49.69 1.02 0.00	44.74 0.84 0.00	46.41 0.96 0.00	47.04 1.01 0.00	48.30 1.06 0.00	64.25 1.57 0.00	79.70 1.97 0.00	88.13 2.06 0.00	118.47 2.73 0.00	61.15 1.44 0.00	51.50 1.14 0.00	54.22 1.26 0.00	55.18 1.24 0.00	55.10 1.24 0.00	73.13 1.66 0.00	84.39 2.04 0.00	94.43 2.41 0.00	58.79 1.23 0.00	55.95 1.24 0.00	54.23 1.25 0.00	51.67 1.24 0.00	49.30 1.29 0.00	48.42 1.36 0.00
V_E_10_SYNC_DSASP 323830	56.02 2.17 -8.54	50.75 2.07 0.00	45.86 1.97 0.00	47.38 1.93 0.00	53.73 2.03 -5.66	49.65 2.41 0.00	66.35 3.67 0.00	83.71 4.67 -1.31	90.98 4.91 0.00	121.88 6.14 0.00	73.58 3.11 -10.76	72.52 2.86 -19.29	81.81 2.74 -26.10	73.87 3.09 -16.84	71.59 2.98 -14.76	77.04 4.31 -1.25	90.83 5.18 -3.30	105.42 5.40 -8.00	62.16 3.05 -1.55	57.24 2.53 0.00	57.94 2.28 -2.68	58.01 1.82 -5.77	49.19 1.17 0.00	48.09 1.03 0.00

V_F_30_NSYNC___DSASP 323816	47.14 1.83 0.00	50.70 2.03 0.00	45.76 1.87 0.00	47.36 1.91 0.00	47.96 1.92 0.00	49.33 2.08 0.00	65.12 2.45 0.00	80.92 3.19 0.00	89.91 3.84 0.00	120.68 4.93 0.00	62.12 2.41 0.00	52.24 1.88 0.00	54.91 1.95 0.00	55.91 1.97 0.00	55.94 2.09 0.00	74.28 2.81 0.00	85.62 3.27 0.00	95.37 3.35 0.00	60.11 2.55 0.00	57.12 2.41 0.00	55.39 2.41 0.00	52.63 2.21 0.00	50.05 2.03 0.00	48.80 1.74 0.00
V_F_30_SYNC_DSASP 323786	46.21 0.90 0.00	49.65 0.98 0.00	44.93 1.04 0.00	46.48 1.03 0.00	47.02 0.99 0.00	48.21 0.97 0.00	63.37 0.69 0.00	78.85 1.13 0.00	87.54 1.46 0.00	117.48 1.73 0.00	60.63 0.92 0.00	51.24 0.88 0.00	53.83 0.86 0.00	54.73 0.79 0.00	54.83 0.98 0.00	72.59 1.11 0.00	83.48 1.13 0.00	92.88 0.86 0.00	58.66 1.10 0.00	55.79 1.08 0.00	54.10 1.12 0.00	51.59 1.16 0.00	49.23 1.21 0.00	48.13 1.08 0.00
V_XM_10_SYNC_DSASP 323789	45.54 0.23 0.00	49.00 0.33 0.00	44.20 0.30 0.00	45.96 0.51 0.00	46.63 0.60 0.00	47.83 0.59 0.00	63.32 0.64 0.00	78.56 0.83 0.00	86.74 0.67 0.00	116.75 1.00 0.00	60.43 0.72 0.00	50.95 0.59 0.00	53.68 0.71 0.00	54.68 0.74 0.00	54.54 0.69 0.00	71.95 0.47 0.00	83.33 0.99 0.00	93.49 1.47 0.00	58.14 0.58 0.00	55.19 0.47 0.00	53.61 0.64 0.00	51.39 0.96 0.00	49.11 1.09 0.00	48.18 1.12 0.00
W.BABYLN_69_KV_BK1 56697	59.66 2.94 -11.41	51.55 2.88 0.00	46.44 2.54 0.00	47.88 2.43 0.00	48.54 2.51 0.00	50.18 2.93 0.00	67.17 4.30 -0.19	85.52 4.73 -3.07	91.48 5.41 0.00	124.64 7.44 -1.45	75.13 4.26 -11.17	55.80 3.70 -1.73	58.83 3.74 -2.13	140.91 4.09 -82.88	61.51 3.25 -4.41	80.42 4.46 -4.48	113.60 5.14 -26.12	153.88 6.38 -55.48	102.58 4.17 -40.84	87.89 3.88 -29.28	58.63 3.77 -1.87	54.70 3.60 -0.68	51.23 3.21 0.00	50.34 3.28 0.00
W.NYACK_69_KV_BK 521_REV_LBMP_G 345027	47.52 2.21 0.00	50.83 2.16 0.00	45.71 1.82 0.00	47.24 1.79 0.00	47.84 1.81 0.00	49.35 2.10 0.00	65.93 3.25 0.00	81.43 3.71 0.00	89.99 3.92 0.00	120.86 5.11 0.00	62.57 2.86 0.00	52.99 2.63 0.00	55.63 2.66 0.00	56.67 2.73 0.00	56.46 2.61 0.00	74.87 3.40 0.00	86.11 3.77 0.00	96.73 4.71 0.00	60.58 3.02 0.00	57.47 2.76 0.00	55.68 2.70 0.00	53.03 2.60 0.00	50.25 2.23 0.00	49.26 2.20 0.00
W49TH_ST_138_KV_38M43_REV_LBMP_J 345008	47.77 2.46 0.00	51.04 2.37 0.00	45.93 2.04 0.00	47.44 1.99 0.00	48.05 2.02 0.00	49.58 2.34 0.00	66.09 3.42 0.00	81.52 3.80 0.00	90.18 4.11 0.00	121.18 5.44 0.00	62.83 3.12 0.00	53.25 2.89 0.00	55.94 2.98 0.00	57.02 3.08 0.00	56.79 2.94 0.00	75.19 3.71 0.00	86.25 3.90 0.00	96.84 4.82 0.00	60.67 3.11 0.00	57.59 2.86 0.00	55.81 2.83 0.00	53.20 2.77 0.00	50.40 2.38 0.00	49.41 2.35 0.00
W50THST__13_KV_LOAD 356117	48.03 2.72 0.00	51.30 2.63 0.00	46.15 2.26 0.00	47.67 2.22 0.00	48.29 2.26 0.00	49.83 2.59 0.00	66.45 3.77 0.00	81.97 4.25 0.00	90.68 4.61 0.00	121.91 6.17 0.00	63.22 3.51 0.00	53.60 3.24 0.00	56.34 3.37 0.00	57.44 3.50 0.00	57.21 3.36 0.00	75.74 4.26 0.00	86.82 4.48 0.00	97.45 5.43 0.00	61.03 3.47 0.00	57.92 3.20 0.00	56.13 3.15 0.00	53.50 3.08 0.00	50.68 2.66 0.00	49.66 2.61 0.00
WADING RIVER_IC_1 23522	61.11 2.37 -13.43	50.98 2.30 0.00	45.89 1.99 0.00	47.36 1.90 0.00	48.01 1.98 0.00	49.66 2.42 0.00	67.10 3.68 -0.74	93.24 3.85 -11.66	89.83 3.75 0.00	126.83 5.62 -5.46	73.42 3.56 -10.14	55.63 3.23 -2.04	64.62 3.59 -8.06	146.62 3.79 -88.89	67.00 2.74 -10.40	87.84 3.45 -12.92	122.70 4.04 -36.32	164.59 5.35 -67.21	108.48 3.47 -47.45	92.83 3.12 -34.99	63.05 2.96 -7.11	55.96 2.98 -2.56	50.66 2.65 0.00	49.77 2.71 0.00
WADING RIVER_IC_2 23547	61.11 2.37 -13.43	50.98 2.30 0.00	45.89 1.99 0.00	47.36 1.90 0.00	48.01 1.98 0.00	49.66 2.42 0.00	67.10 3.68 -0.74	93.24 3.85 -11.66	89.83 3.75 0.00	126.83 5.62 -5.46	73.42 3.56 -10.14	55.63 3.23 -2.04	64.62 3.59 -8.06	146.62 3.79 -88.89	67.00 2.74 -10.40	87.84 3.45 -12.92	122.70 4.04 -36.32	164.59 5.35 -67.21	108.48 3.47 -47.45	92.83 3.12 -34.99	63.05 2.96 -7.11	55.96 2.98 -2.56	50.66 2.65 0.00	49.77 2.71 0.00
WADING RIVER_IC_3 23601	61.11 2.37 -13.43	50.98 2.30 0.00	45.89 1.99 0.00	47.36 1.90 0.00	48.01 1.98 0.00	49.66 2.42 0.00	67.10 3.68 -0.74	93.24 3.85 -11.66	89.83 3.75 0.00	126.83 5.62 -5.46	73.42 3.56 -10.14	55.63 3.23 -2.04	64.62 3.59 -8.06	146.62 3.79 -88.89	67.00 2.74 -10.40	87.84 3.45 -12.92	122.70 4.04 -36.32	164.59 5.35 -67.21	108.48 3.47 -47.45	92.83 3.12 -34.99	63.05 2.96 -7.11	55.96 2.98 -2.56	50.66 2.65 0.00	49.77 2.71 0.00
WALDENNY_12_KV_BK2 80841	35.90 -2.81 6.60	45.32 -3.35 0.00	40.91 -2.98 0.00	42.09 -3.36 0.00	38.50 -3.15 4.38	43.69 -3.56 0.00	58.26 -4.42 0.00	70.91 -5.81 1.01	79.31 -6.76 0.00	106.88 -8.86 0.00	47.23 -4.59 7.89	32.08 -3.69 14.59	26.67 -4.00 22.29	34.75 -3.88 15.31	36.38 -4.01 13.46	64.76 -5.57 1.14	73.44 -5.89 3.02	78.18 -6.99 6.84	51.95 -4.64 0.97	49.89 -4.82 0.00	45.68 -4.95 2.35	41.11 -4.76 4.56	43.62 -4.39 0.00	43.26 -3.80 0.00
WALDEN__HYDRO 24148	47.38 2.07 0.00	50.70 2.03 0.00	45.65 1.76 0.00	47.17 1.72 0.00	47.78 1.74 0.00	49.23 1.99 0.00	65.64 2.96 0.00	81.07 3.34 0.00	89.49 3.41 0.00	120.49 4.75 0.00	62.28 2.57 0.00	52.63 2.27 0.00	55.22 2.26 0.00	56.21 2.27 0.00	56.01 2.16 0.00	74.32 2.84 0.00	85.49 3.15 0.00	95.95 3.93 0.00	60.11 2.56 0.00	57.05 2.33 0.00	55.32 2.34 0.00	52.78 2.35 0.00	50.04 2.02 0.00	48.97 1.91 0.00
WARRENSBURG____ 23737	47.20 1.89 0.00	50.75 2.08 0.00	45.72 1.83 0.00	47.39 1.94 0.00	47.98 1.95 0.00	49.41 2.17 0.00	65.24 2.56 0.00	81.20 3.48 0.00	90.25 4.18 0.00	120.95 5.20 0.00	62.20 2.49 0.00	52.16 1.80 0.00	54.84 1.87 0.00	55.79 1.85 0.00	55.89 2.04 0.00	74.19 2.71 0.00	85.70 3.36 0.00	95.27 3.25 0.00	60.25 2.69 0.00	57.16 2.44 0.00	55.52 2.54 0.00	52.66 2.24 0.00	50.13 2.12 0.00	48.72 1.67 0.00
WATERSIDE____6 8 9 23538	47.78 2.47 0.00	51.06 2.39 0.00	45.94 2.05 0.00	47.46 2.01 0.00	48.06 2.03 0.00	49.58 2.33 0.00	65.99 3.31 0.00	81.48 3.75 0.00	90.12 4.05 0.00	121.05 5.31 0.00	62.87 3.16 0.00	53.32 2.96 0.00	55.97 3.00 0.00	57.04 3.10 0.00	56.84 2.99 0.00	75.10 3.63 0.00	86.12 3.78 0.00	96.74 4.72 0.00	60.63 3.07 0.00	57.57 2.85 0.00	55.82 2.84 0.00	53.26 2.84 0.00	50.44 2.43 0.00	49.44 2.38 0.00
WATKINRD_115KV_LN8_ILLION 55919	46.97 1.66 0.00	50.44 1.77 0.00	45.51 1.62 0.00	47.09 1.64 0.00	47.71 1.68 0.00	49.04 1.80 0.00	64.91 2.23 0.00	80.55 2.82 0.00	89.25 3.17 0.00	119.96 4.21 0.00	61.89 2.18 0.00	52.14 1.77 0.00	54.77 1.81 0.00	55.80 1.86 0.00	55.82 1.97 0.00	74.04 2.56 0.00	85.27 2.92 0.00	94.97 2.95 0.00	59.56 2.00 0.00	56.51 1.79 0.00	54.72 1.73 0.00	52.11 1.68 0.00	49.56 1.54 0.00	48.43 1.38 0.00

WDELAWARE___HYD 323627	46.49 1.17 0.00	49.74 1.07 0.00	44.79 0.90 0.00	46.31 0.86 0.00	46.91 0.88 0.00	48.34 1.10 0.00	64.52 1.84 0.00	79.77 2.04 0.00	88.11 2.03 0.00	118.57 2.82 0.00	61.30 1.59 0.00	51.69 1.33 0.00	54.29 1.32 0.00	55.28 1.34 0.00	55.11 1.26 0.00	73.16 1.68 0.00	84.28 1.94 0.00	94.63 2.62 0.00	59.25 1.69 0.00	56.25 1.53 0.00	54.49 1.50 0.00	51.89 1.47 0.00	49.13 1.11 0.00	48.06 1.00 0.00
WEST BABYLON___IC 23714	59.66 2.94 -11.41	51.55 2.88 0.00	46.44 2.54 0.00	47.88 2.43 0.00	48.54 2.51 0.00	50.18 2.93 0.00	67.17 4.30 -0.19	85.52 4.73 -3.07	91.48 5.41 0.00	124.64 7.44 -1.45	75.13 4.26 -11.17	55.80 3.70 -1.73	58.83 3.74 -2.13	140.91 4.09 -82.88	61.51 3.25 -4.41	80.42 4.46 -4.48	113.60 5.14 -26.12	153.88 6.38 -55.48	102.58 4.17 -40.84	87.89 3.88 -29.28	58.63 3.77 -1.87	54.70 3.60 -0.68	51.23 3.21 0.00	50.34 3.28 0.00
WEST CANADA___HYD 24049	45.47 0.16 0.00	48.81 0.14 0.00	44.03 0.13 0.00	45.59 0.13 0.00	46.16 0.12 0.00	47.38 0.13 0.00	62.81 0.13 0.00	77.88 0.15 0.00	86.25 0.17 0.00	115.97 0.23 0.00	59.83 0.12 0.00	50.48 0.12 0.00	53.07 0.11 0.00	54.05 0.11 0.00	53.96 0.11 0.00	71.60 0.12 0.00	82.43 0.08 0.00	92.02 0.00 0.00	57.66 0.10 0.00	54.77 0.05 0.00	53.03 0.05 0.00	50.52 0.09 0.00	48.07 0.05 0.00	47.10 0.04 0.00
WESTERN_NY_WIND 24143	38.80 -1.59 4.92	46.62 -2.06 0.00	42.08 -1.82 0.00	43.34 -2.11 0.00	40.92 -1.84 3.26	44.96 -2.29 0.00	60.07 -2.61 0.00	73.70 -3.27 0.75	81.98 -4.10 0.00	110.35 -5.39 0.00	50.99 -2.79 5.92	37.27 -2.17 10.93	33.94 -2.38 16.65	40.15 -2.35 11.44	41.39 -2.39 10.07	67.12 -3.50 0.85	76.74 -3.35 2.26	82.93 -3.98 5.12	54.05 -2.79 0.72	51.68 -3.04 0.00	47.97 -3.23 1.78	43.85 -3.17 3.41	44.98 -3.04 0.00	44.48 -2.57 0.00
WESTOVER___LESR 323668	42.03 -0.35 2.93	48.20 -0.47 0.00	43.51 -0.38 0.00	44.98 -0.47 0.00	43.63 -0.45 1.95	46.82 -0.43 0.00	62.28 -0.39 0.00	76.60 -0.68 0.45	85.16 -0.91 0.00	114.50 -1.24 0.00	55.08 -0.68 3.95	43.22 -0.49 6.66	45.84 -0.58 6.56	50.28 -0.43 3.23	50.46 -0.53 2.86	70.57 -0.67 0.24	80.97 -0.74 0.64	89.34 -1.05 1.64	56.59 -0.59 0.39	54.07 -0.65 0.00	51.69 -0.69 0.60	47.84 -0.71 1.88	47.27 -0.75 0.00	46.38 -0.68 0.00
WETHRSFD_WT_PWR 323626	31.07 -3.69 10.55	44.51 -4.16 0.00	40.00 -3.89 0.00	41.24 -4.21 0.00	34.76 -4.27 7.00	42.62 -4.63 0.00	56.65 -6.03 0.00	68.10 -8.00 1.62	77.04 -9.04 0.00	103.40 -12.34 0.00	36.41 -6.75 16.56	18.93 -5.61 25.82	12.07 -5.97 34.93	24.62 -5.61 23.70	27.35 -5.68 20.83	62.32 -7.39 1.77	69.90 -7.78 4.66	72.38 -8.99 10.64	50.30 -5.71 1.55	48.60 -6.11 0.00	42.51 -6.45 4.02	36.98 -6.08 7.37	42.57 -5.45 0.00	42.20 -4.86 0.00
WHAVSTOR_138KV_BK127 55557	47.27 1.96 0.00	50.56 1.89 0.00	45.48 1.59 0.00	46.99 1.54 0.00	47.59 1.56 0.00	49.08 1.83 0.00	65.73 3.05 0.00	81.16 3.44 0.00	89.74 3.67 0.00	120.45 4.71 0.00	62.36 2.65 0.00	52.81 2.45 0.00	55.42 2.46 0.00	56.49 2.55 0.00	56.27 2.42 0.00	74.60 3.13 0.00	85.73 3.38 0.00	96.28 4.26 0.00	60.34 2.78 0.00	57.26 2.54 0.00	55.47 2.49 0.00	52.87 2.44 0.00	50.09 2.07 0.00	49.12 2.06 0.00
WHAVSTOR_138_KV_BK127_REV_LBMP_G 345015	47.27 1.96 0.00	50.56 1.89 0.00	45.48 1.59 0.00	46.99 1.54 0.00	47.59 1.56 0.00	49.08 1.83 0.00	65.73 3.05 0.00	81.16 3.44 0.00	89.74 3.67 0.00	120.45 4.71 0.00	62.36 2.65 0.00	52.81 2.45 0.00	55.42 2.46 0.00	56.49 2.55 0.00	56.27 2.42 0.00	74.60 3.13 0.00	85.73 3.38 0.00	96.28 4.26 0.00	60.34 2.78 0.00	57.26 2.54 0.00	55.47 2.49 0.00	52.87 2.44 0.00	50.09 2.07 0.00	49.12 2.06 0.00
WHITEHAL_115KV_TB1 80871	48.58 3.27 0.00	52.35 3.68 0.00	46.86 2.97 0.00	48.79 3.33 0.00	49.38 3.35 0.00	51.00 3.75 0.00	67.09 4.41 0.00	83.85 6.12 0.00	93.58 7.50 0.00	125.08 9.34 0.00	64.13 4.42 0.00	53.16 2.80 0.00	55.80 2.84 0.00	57.11 3.17 0.00	57.44 3.59 0.00	76.51 5.04 0.00	88.92 6.57 0.00	97.83 5.81 0.00	62.62 5.06 0.00	59.09 4.37 0.00	57.37 4.39 0.00	54.33 3.90 0.00	51.58 3.56 0.00	49.64 2.58 0.00
WHITEPLN_13_KV_LOAD 356215	47.82 2.51 0.00	51.14 2.47 0.00	46.02 2.12 0.00	47.53 2.08 0.00	48.14 2.11 0.00	49.66 2.42 0.00	66.25 3.57 0.00	81.83 4.11 0.00	90.48 4.41 0.00	121.64 5.89 0.00	63.01 3.30 0.00	53.36 2.99 0.00	56.00 3.03 0.00	57.08 3.14 0.00	56.84 2.99 0.00	75.36 3.89 0.00	86.62 4.27 0.00	97.29 5.27 0.00	60.95 3.39 0.00	57.81 3.10 0.00	56.00 3.02 0.00	53.33 2.91 0.00	50.51 2.49 0.00	49.51 2.46 0.00
WM_FLOYD_69_KV_BK2 356380	60.94 2.39 -13.24	51.01 2.33 0.00	45.93 2.03 0.00	47.38 1.92 0.00	48.04 2.00 0.00	49.70 2.46 0.00	67.08 3.69 -0.71	92.70 3.87 -11.10	90.20 4.12 0.00	126.86 5.92 -5.20	73.50 3.64 -10.15	55.63 3.26 -2.01	64.02 3.38 -7.68	145.62 3.59 -88.09	66.49 2.64 -10.00	87.29 3.46 -12.36	121.88 4.00 -35.53	163.49 5.29 -66.18	107.83 3.45 -46.83	92.31 3.11 -34.48	62.71 2.96 -6.76	55.84 2.98 -2.44	50.66 2.65 0.00	49.81 2.76 0.00
WOODARD___115KV_TB2 355635	45.29 -0.98 -0.96	48.75 -1.15 -1.23	43.73 -1.01 -0.85	45.30 -1.11 -0.97	45.97 -1.07 -1.02	46.22 -1.13 -0.10	61.29 -1.39 0.00	76.02 -1.71 0.00	84.17 -1.91 0.00	113.22 -2.52 0.00	58.38 -1.33 0.00	49.29 -1.07 0.00	51.77 -1.20 0.00	52.75 -1.19 0.00	52.62 -1.23 0.00	69.91 -1.56 0.00	80.63 -1.72 0.00	89.95 -2.07 0.00	56.25 -1.31 0.00	53.37 -1.35 0.00	51.60 -1.38 0.00	49.08 -1.35 0.00	46.66 -1.36 0.00	45.74 -1.32 0.00
WOODMERE_69_KV_BK1 55827	62.89 2.98 -14.60	51.66 2.98 0.00	46.50 2.60 0.00	47.99 2.53 0.00	48.62 2.59 0.00	50.20 2.96 0.00	66.93 4.25 0.00	81.91 4.18 0.00	90.78 4.71 0.00	122.03 6.27 -0.02	79.06 3.59 -15.76	55.78 3.20 -2.22	56.17 3.20 -0.01	167.93 3.52 -110.48	59.85 2.89 -3.10	77.43 3.95 -2.01	117.26 4.19 -30.72	167.52 5.39 -70.11	113.84 3.67 -52.60	95.40 3.44 -37.24	56.36 3.38 0.00	53.71 3.28 0.00	50.93 2.91 0.00	50.00 2.94 0.00
YORK___WARBASSE 23770	47.91 2.60 0.00	51.21 2.54 0.00	46.06 2.17 0.00	47.59 2.13 0.00	48.19 2.16 0.00	49.69 2.45 0.00	66.15 3.47 0.00	81.70 3.98 0.00	90.31 4.24 0.00	121.20 5.45 0.00	63.05 3.34 0.00	53.47 3.11 0.00	56.10 3.13 0.00	57.11 3.17 0.00	56.94 3.09 0.00	75.16 3.68 0.00	86.16 3.81 0.00	96.88 4.87 0.00	60.73 3.17 0.00	57.70 2.98 0.00	55.96 2.97 0.00	53.43 3.00 0.00	50.59 2.57 0.00	49.56 2.50 0.00