

# Day Ahead Market Generator LBMP

--- LBMP \$

--- Marginal Cost of Losses

--- Marginal Cost of Congestion

## Generator Data

06/18/2026

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	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT
59TH STREET_GT_1	44.28	38.01	34.63	33.48	34.24	35.57	42.00	46.80	48.91	49.73	51.81	53.39	59.03	61.98	64.30	82.08	95.28	98.66	98.74	91.62	81.16	62.16	57.79	49.69
24138	2.59	2.32	2.11	2.10	2.21	2.20	2.83	3.59	4.08	4.44	5.05	5.35	5.43	5.56	5.58	5.97	6.61	7.93	9.44	8.95	7.50	5.73	4.98	4.70
	0.06	0.00	0.00	0.00	0.00	0.00	0.06	0.01	0.00	0.00	-0.01	-1.49	-7.56	-10.08	-13.71	-28.76	-36.23	-29.72	-15.55	-11.66	-9.03	-2.38	-5.35	-0.28
74TH STREET_GT_1	44.36	38.08	34.70	33.54	34.31	35.60	42.00	46.80	48.91	49.73	51.76	53.30	59.12	62.11	64.42	82.55	95.81	98.49	98.61	91.54	81.08	62.16	57.79	49.74
24260	2.67	2.39	2.18	2.17	2.27	2.24	2.83	3.59	4.08	4.44	5.00	5.21	5.29	5.42	5.45	5.82	6.45	7.69	9.22	8.73	7.30	5.73	4.89	4.74
	0.06	0.00	0.00	0.00	0.00	0.00	0.06	0.01	0.00	0.00	-0.01	-1.54	-7.78	-10.35	-13.96	-29.37	-36.92	-29.79	-15.64	-11.79	-9.14	-2.38	-5.45	-0.28
74TH STREET_GT_2	44.36	38.08	34.70	33.54	34.31	35.60	42.00	46.80	48.91	49.73	51.76	53.30	59.12	62.11	64.42	82.55	95.81	98.49	98.61	91.54	81.08	62.16	57.79	49.74
24261	2.67	2.39	2.18	2.17	2.27	2.24	2.83	3.59	4.08	4.44	5.00	5.21	5.29	5.42	5.45	5.82	6.45	7.69	9.22	8.73	7.30	5.73	4.89	4.74
	0.06	0.00	0.00	0.00	0.00	0.00	0.06	0.01	0.00	0.00	-0.01	-1.54	-7.78	-10.35	-13.96	-29.37	-36.92	-29.79	-15.64	-11.79	-9.14	-2.38	-5.45	-0.28
ADK HUDSON__FALLS	44.80	38.40	35.02	33.80	34.47	35.90	42.30	46.90	48.37	49.01	50.62	49.66	48.85	49.55	49.58	51.31	57.41	66.08	77.81	78.78	91.45	68.03	59.72	49.96
24011	3.05	2.71	2.50	2.42	2.43	2.54	3.06	3.59	3.54	3.71	3.88	3.12	2.81	2.73	2.25	1.18	1.68	2.81	4.06	4.69	4.72	3.84	3.27	3.98
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.10	0.00	0.00	0.00	0.00	0.00	-0.48	-2.32	-2.77	-3.30	-2.27	0.00	-3.08	-22.10	-10.14	-9.00	-1.26
ADK RESOURCE__RCVRY	45.05	38.65	35.22	33.98	34.69	36.07	42.69	47.25	48.68	49.32	50.95	49.90	49.08	49.73	49.69	51.32	57.52	66.30	78.18	79.24	92.11	68.50	60.09	50.32
23798	3.30	2.96	2.70	2.60	2.66	2.70	3.45	3.93	3.86	4.03	4.21	3.35	3.04	2.92	2.38	1.23	1.83	3.05	4.42	5.18	5.30	4.27	3.60	4.34
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.10	0.00	0.00	0.00	0.00	0.00	-0.47	-2.29	-2.73	-3.25	-2.24	0.00	-3.04	-22.18	-10.18	-9.03	-1.26
ADK S GLENS__FALLS	44.80	38.40	35.02	33.80	34.47	35.90	42.30	46.90	48.37	49.01	50.62	49.66	48.85	49.55	49.58	51.31	57.41	66.08	77.81	78.78	91.45	68.03	59.72	49.96
24028	3.05	2.71	2.50	2.42	2.43	2.54	3.06	3.59	3.54	3.71	3.88	3.12	2.81	2.73	2.25	1.18	1.68	2.81	4.06	4.69	4.72	3.84	3.27	3.98
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.10	0.00	0.00	0.00	0.00	0.00	-0.48	-2.32	-2.77	-3.30	-2.27	0.00	-3.08	-22.10	-10.14	-9.00	-1.26
ADK_NYS__DAM	43.76	37.58	34.40	33.20	33.92	35.27	41.55	45.89	47.29	47.74	49.13	48.82	48.25	49.55	51.37	54.46	60.68	69.36	77.69	79.89	84.98	64.86	57.16	47.90
23527	2.00	1.89	1.89	1.82	1.89	1.90	2.31	2.59	2.46	2.44	2.38	2.28	2.21	2.32	2.03	1.94	2.15	2.56	3.10	3.05	2.91	2.81	2.61	2.19
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.08	0.00	0.00	0.00	0.00	0.00	-0.89	-4.33	-5.17	-6.10	-5.79	-0.84	-5.82	-17.44	-8.00	-7.10	-0.99
AIR_PRODUCTS__DRP	42.42	36.44	33.27	32.10	32.77	34.10	40.06	44.28	45.77	46.24	47.68	47.43	46.91	47.84	48.61	51.44	57.28	64.90	75.45	76.09	80.02	61.72	54.25	46.54
24190	0.67	0.75	0.75	0.72	0.74	0.73	0.82	0.99	0.94	0.95	0.93	0.88	0.87	0.93	0.81	0.76	0.84	1.40	1.70	1.70	1.49	1.30	1.14	1.03
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.06	0.00	0.00	0.00	0.00	0.00	-0.58	-2.79	-3.33	-4.01	-2.49	0.00	-3.37	-13.90	-6.38	-5.66	-0.79
AKWESSNE_115KV_BK	41.71	35.48	32.29	31.13	31.74	33.13	38.96	42.88	44.42	44.79	46.23	46.13	45.63	45.83	44.52	46.74	51.70	59.55	71.83	69.17	63.08	52.81	46.69	44.14
355683	-0.04	-0.21	-0.23	-0.25	-0.29	-0.23	-0.27	-0.35	-0.40	-0.50	-0.51	-0.42	-0.41	-0.51	-0.50	-0.62	-0.73	-1.46	-1.92	-1.85	-1.55	-1.24	-0.76	-0.58
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	43.25	37.12	33.85	32.70	33.38	34.67	40.77	44.91	46.49	46.92	48.43	48.03	47.38	48.10	48.01	50.81	56.51	65.08	76.71	76.61	79.11	61.71	54.23	47.22
323833	1.50	1.43	1.33	1.32	1.35	1.30	1.53	1.64	1.66	1.63	1.68	1.49	1.34	1.39	1.22	1.32	1.52	2.19	2.95	3.05	2.84	2.32	2.04	1.83
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.05	0.00	0.00	0.00	0.00	0.00	-0.37	-1.79	-2.13	-2.55	-1.87	0.00	-2.54	-11.64	-5.34	-4.74	-0.66
ALBANY_2_SOLAR	43.25	37.12	33.85	32.70	33.34	34.67	40.77	44.91	46.49	46.92	48.38	47.99	47.38	48.10	48.01	50.81	56.50	65.07	76.71	76.60	79.04	61.71	54.18	47.22
323834	1.50	1.43	1.33	1.32	1.31	1.30	1.53	1.64	1.66	1.63	1.64	1.44	1.34	1.39	1.22	1.32	1.52	2.19	2.95	3.05	2.78	2.32	1.99	1.83
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.05	0.00	0.00	0.00	0.00	0.00	-0.37	-1.78	-2.13	-2.54	-1.87	0.00	-2.54	-11.63	-5.34	-4.74	-0.66
ALBANY__1	42.42	36.44	33.27	32.10	32.77	34.10	40.06	44.28	45.77	46.24	47.68	47.43	46.91	47.84	48.61	51.44	57.28	64.90	75.45	76.09	80.02	61.72	54.25	46.54
23571	0.67	0.75	0.75	0.72	0.74	0.73	0.82	0.99	0.94	0.95	0.93	0.88	0.87	0.93	0.81	0.76	0.84	1.40	1.70	1.70	1.49	1.30	1.14	1.03
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.06	0.00	0.00	0.00	0.00	0.00	-0.58	-2.79	-3.33	-4.01	-2.49	0.00	-3.37	-13.90	-6.38	-5.66	-0.79

ALBANY___2 23572	42.42 0.67 0.00	36.44 0.75 0.00	33.27 0.75 0.00	32.10 0.72 0.00	32.77 0.74 0.00	34.10 0.73 0.00	40.06 0.82 0.00	44.28 0.99 -0.06	45.77 0.94 0.00	46.24 0.95 0.00	47.68 0.93 0.00	47.43 0.88 0.00	46.91 0.87 0.00	47.84 0.93 -0.58	48.61 0.81 -2.79	51.44 0.76 -3.33	57.28 0.84 -4.01	64.90 1.40 -2.49	75.45 1.70 0.00	76.09 1.70 -3.37	80.02 1.49 -13.90	61.72 1.30 -6.38	54.25 1.14 -5.66	46.54 1.03 -0.79
ALBANY___3 23573	42.42 0.67 0.00	36.44 0.75 0.00	33.27 0.75 0.00	32.10 0.72 0.00	32.77 0.74 0.00	34.10 0.73 0.00	40.06 0.82 0.00	44.28 0.99 -0.06	45.77 0.94 0.00	46.24 0.95 0.00	47.68 0.93 0.00	47.43 0.88 0.00	46.91 0.87 0.00	47.84 0.93 -0.58	48.61 0.81 -2.79	51.44 0.76 -3.33	57.28 0.84 -4.01	64.90 1.40 -2.49	75.45 1.70 0.00	76.09 1.70 -3.37	80.02 1.49 -13.90	61.72 1.30 -6.38	54.25 1.14 -5.66	46.54 1.03 -0.79
ALBANY___4 23574	42.42 0.67 0.00	36.44 0.75 0.00	33.27 0.75 0.00	32.10 0.72 0.00	32.77 0.74 0.00	34.10 0.73 0.00	40.06 0.82 0.00	44.28 0.99 -0.06	45.77 0.94 0.00	46.24 0.95 0.00	47.68 0.93 0.00	47.43 0.88 0.00	46.91 0.87 0.00	47.84 0.93 -0.58	48.61 0.81 -2.79	51.44 0.76 -3.33	57.28 0.84 -4.01	64.90 1.40 -2.49	75.45 1.70 0.00	76.09 1.70 -3.37	80.02 1.49 -13.90	61.72 1.30 -6.38	54.25 1.14 -5.66	46.54 1.03 -0.79
ALBANY___LFGE 323615	42.84 1.08 0.00	36.80 1.11 0.00	33.56 1.04 0.00	32.38 1.00 0.00	33.06 1.02 0.00	34.37 1.00 0.00	40.49 1.26 0.00	44.81 1.51 -0.07	46.30 1.48 0.00	46.83 1.54 0.00	48.34 1.59 0.00	47.85 1.30 0.00	47.33 1.29 0.00	48.19 1.34 -0.51	48.54 1.08 -2.45	51.41 1.13 -2.92	57.93 1.36 -4.14	65.73 2.01 -2.71	76.18 2.43 0.00	77.18 2.48 -3.68	83.33 2.32 -16.37	63.45 1.89 -7.51	55.78 1.66 -6.66	47.17 1.52 -0.93
ALCOA_PA_115KV_PL-6C 55860	41.79 0.04 0.00	35.51 -0.18 0.00	32.36 -0.16 0.00	31.19 -0.19 0.00	31.77 -0.26 0.00	33.17 -0.20 0.00	39.04 -0.20 0.00	42.96 -0.26 0.00	44.51 -0.31 0.00	44.88 -0.41 0.00	46.28 -0.47 0.00	46.12 -0.42 0.00	45.62 -0.42 0.00	45.78 -0.55 0.00	44.42 -0.59 0.00	46.55 -0.81 0.00	51.59 -0.84 0.00	59.67 -1.34 0.00	72.06 -1.69 0.00	69.38 -1.63 0.00	63.21 -1.42 0.00	52.91 -1.14 0.00	46.60 -0.85 0.00	44.14 -0.58 0.00
ALCOA_RYNLDS___DRP 24188	41.79 0.04 0.00	35.51 -0.18 0.00	32.36 -0.16 0.00	31.19 -0.19 0.00	31.77 -0.26 0.00	33.20 -0.17 0.00	39.04 -0.20 0.00	42.96 -0.26 0.00	44.51 -0.31 0.00	44.88 -0.41 0.00	46.28 -0.47 0.00	46.13 -0.42 0.00	45.63 -0.41 0.00	45.78 -0.56 0.00	44.47 -0.54 0.00	46.64 -0.71 0.00	51.60 -0.84 0.00	59.73 -1.28 0.00	72.06 -1.70 0.00	69.38 -1.63 0.00	63.28 -1.36 0.00	52.91 -1.14 0.00	46.65 -0.81 0.00	44.14 -0.58 0.00
ALCOA___DSASP 323711	41.79 0.04 0.00	35.51 -0.18 0.00	32.36 -0.16 0.00	31.19 -0.19 0.00	31.77 -0.26 0.00	33.20 -0.17 0.00	39.04 -0.20 0.00	42.96 -0.26 0.00	44.51 -0.31 0.00	44.88 -0.41 0.00	46.28 -0.47 0.00	46.13 -0.42 0.00	45.63 -0.41 0.00	45.78 -0.56 0.00	44.47 -0.54 0.00	46.64 -0.71 0.00	51.60 -0.84 0.00	59.73 -1.28 0.00	72.06 -1.70 0.00	69.38 -1.63 0.00	63.28 -1.36 0.00	52.91 -1.14 0.00	46.65 -0.81 0.00	44.14 -0.58 0.00
ALLEGHENY___COGEN 23514	79.03 -1.29 -38.57	70.29 -1.11 -35.71	64.06 -1.01 -32.55	61.58 -1.07 -31.26	63.03 -0.99 -31.99	65.89 -0.87 -33.39	74.24 -1.26 -36.26	83.02 -1.69 -41.48	87.86 -1.79 -44.83	88.17 -2.26 -45.15	89.70 -2.90 -45.85	89.43 -3.21 -46.10	88.40 -3.22 -45.58	88.94 -3.24 -45.85	86.78 -2.83 -44.60	83.74 -2.70 -39.09	97.69 -2.99 -48.25	98.73 -3.18 -40.89	127.90 -2.80 -56.95	121.28 -1.63 -51.89	105.02 -0.97 -41.35	90.10 -0.59 -36.64	79.64 -1.04 -33.23	75.90 -1.39 -32.56
ALTAMONT_115KV_TB 2 55880	42.80 1.04 0.00	36.73 1.04 0.00	33.49 0.98 0.00	32.32 0.94 0.00	32.99 0.96 0.00	34.37 1.00 0.00	40.38 1.14 0.00	44.61 1.34 -0.05	46.17 1.34 0.00	46.65 1.36 0.00	48.19 1.45 0.00	47.94 1.40 0.00	47.42 1.38 0.00	47.98 1.44 -0.21	47.35 1.35 -0.99	49.91 1.37 -1.18	55.37 1.52 -1.42	62.95 1.89 -0.05	75.46 2.36 0.65	74.99 2.34 -1.64	78.71 2.07 -12.01	61.29 1.73 -5.51	53.86 1.52 -4.89	46.79 1.39 -0.68
ALTONA_WT_PWR 323606	41.75 0.00 0.00	35.51 -0.18 0.00	32.29 -0.23 0.00	31.10 -0.28 0.00	31.71 -0.32 0.00	33.07 -0.30 0.00	38.69 -0.55 0.00	42.40 -0.82 0.00	43.84 -0.99 0.00	44.20 -1.09 0.00	45.62 -1.12 0.00	45.56 -0.98 0.00	45.12 -0.92 0.00	45.36 -0.98 0.00	44.06 -0.95 0.00	46.22 -1.14 0.00	51.18 -1.26 0.00	59.24 -1.77 0.00	71.32 -2.43 0.00	68.67 -2.34 0.00	62.56 -2.07 0.00	52.32 -1.73 0.00	46.03 -1.42 0.00	43.51 -1.21 0.00
AMERICAN_REF_FUEL 24010	23.03 -5.55 13.17	21.33 -4.67 9.69	19.49 -4.19 8.83	18.95 -3.95 8.48	19.26 -4.10 8.67	20.07 -4.24 9.06	21.33 -5.45 12.46	25.16 -5.88 12.19	27.33 -5.78 11.72	27.69 -5.80 11.80	27.87 -6.36 12.52	28.17 -6.33 12.04	27.73 -6.40 11.91	27.96 -6.39 11.98	27.68 -5.67 11.66	28.70 -6.16 12.50	29.57 -7.45 15.42	33.75 -8.54 18.72	37.43 -10.18 26.15	39.69 -9.38 21.95	39.55 -8.60 16.49	35.41 -6.92 11.72	31.41 -6.26 9.78	28.97 -6.17 9.58
ARKWRIGHT___SUMMIT_WT_PWR 323751	20.98 -5.39 15.39	19.20 -4.75 11.74	17.49 -4.32 10.70	17.05 -4.05 10.28	17.16 -4.36 10.51	17.89 -4.51 10.98	19.09 -5.61 14.54	22.44 -6.01 14.77	24.30 -5.87 14.66	24.73 -5.80 14.76	24.91 -6.36 15.48	25.19 -6.28 15.06	24.88 -6.26 14.90	25.04 -6.30 14.99	24.80 -5.63 14.59	26.50 -5.87 14.99	27.55 -6.82 18.07	32.36 -7.87 20.78	36.75 -9.00 28.00	38.95 -8.02 24.04	38.77 -7.11 18.76	34.24 -5.67 14.13	30.30 -5.17 11.99	28.01 -5.05 11.65
ARTHUR KILL_GT_1 23520	44.54 2.84 0.06	38.19 2.50 0.00	34.83 2.31 0.00	33.61 2.23 0.00	34.37 2.34 0.00	35.54 2.17 0.00	41.88 2.71 0.06	46.67 3.46 0.01	48.77 3.94 0.00	49.64 4.35 0.00	51.81 5.05 -0.01	53.06 4.98 -1.54	58.66 4.83 -7.78	61.59 4.91 -10.34	63.91 4.95 -13.95	82.07 5.35 -29.36	95.22 5.87 -36.92	97.87 7.08 -29.79	97.86 8.48 -15.63	90.90 8.10 -11.79	80.43 6.66 -9.14	61.88 5.46 -2.37	57.75 4.84 -5.45	49.79 4.79 -0.28
ARTHUR_KILL_2 23512	44.33 2.63 0.06	38.05 2.36 0.00	34.73 2.21 0.00	33.51 2.13 0.00	34.27 2.24 0.00	35.37 2.00 0.00	41.77 2.59 0.06	46.54 3.33 0.01	48.59 3.77 0.00	49.50 4.21 0.00	51.62 4.86 -0.01	52.92 4.84 -1.54	58.52 4.70 -7.78	61.45 4.77 -10.34	63.73 4.77 -13.95	81.88 5.16 -29.36	94.96 5.61 -36.92	97.63 6.83 -29.79	97.57 8.19 -15.63	90.47 7.67 -11.79	80.11 6.34 -9.14	61.45 5.03 -2.37	57.56 4.65 -5.45	49.61 4.61 -0.28
ARTHUR_KILL_3 23513	43.90 2.21 0.06	37.76 2.07 0.00	34.40 1.89 0.00	33.26 1.88 0.00	34.02 1.99 0.00	35.30 1.93 0.00	41.65 2.47 0.06	46.41 3.20 0.01	48.50 3.68 0.00	49.32 4.03 0.00	51.34 4.58 -0.01	52.91 4.84 -1.52	58.66 4.93 -7.69	61.59 5.01 -10.24	63.91 5.04 -13.86	81.84 5.35 -29.13	95.01 5.92 -36.65	97.85 7.07 -29.77	97.83 8.48 -15.60	90.71 7.95 -11.74	80.45 6.72 -9.10	61.57 5.14 -2.38	57.37 4.51 -5.41	49.38 4.39 -0.28

ARTHUR_KILL_COGEN 323718	44.45 2.76 0.06	38.15 2.46 0.00	34.83 2.31 0.00	33.61 2.23 0.00	34.34 2.31 0.00	35.47 2.10 0.00	41.85 2.67 0.06	46.67 3.46 0.01	48.77 3.95 0.00	49.64 4.35 0.00	51.81 5.05 -0.01	53.06 4.98 -1.54	58.65 4.83 -7.78	61.59 4.91 -10.34	63.91 4.95 -13.95	82.07 5.35 -29.36	95.22 5.87 -36.92	97.93 7.13 -29.79	97.86 8.48 -15.63	90.82 8.02 -11.79	80.43 6.66 -9.14	61.66 5.24 -2.37	57.75 4.84 -5.45	49.79 4.79 -0.28
ASHOKAN____ 23654	44.97 3.22 0.00	38.48 2.79 0.00	35.02 2.50 0.00	33.83 2.45 0.00	34.50 2.47 0.00	35.67 2.30 0.00	41.94 2.71 0.00	44.86 1.60 -0.04	47.88 3.05 0.00	48.37 3.08 0.00	50.16 3.41 0.00	49.66 3.12 0.00	49.26 3.22 0.00	50.98 4.03 -0.61	52.35 4.36 -2.97	56.52 5.07 -4.10	64.36 5.92 -6.00	79.67 7.87 -10.78	87.82 9.73 -4.34	83.40 8.23 -4.15	79.83 5.49 -9.70	62.23 3.73 -4.45	54.53 3.13 -3.95	48.00 2.73 -0.55
ASTORIA_EAST_ENERGY_CC1 323581	44.07 2.38 0.06	37.80 2.11 0.00	34.76 2.24 0.00	33.54 2.16 0.00	34.31 2.27 0.00	35.26 1.90 0.01	41.56 2.39 0.07	46.33 3.11 0.01	48.45 3.63 0.01	49.31 4.03 0.01	51.47 4.72 -0.01	53.01 4.93 -1.53	58.74 4.93 -7.77	61.73 5.05 -10.34	64.00 5.04 -13.95	82.02 5.30 -29.36	95.22 5.87 -36.92	97.81 7.01 -29.79	97.71 8.33 -15.63	90.75 7.95 -11.79	80.36 6.60 -9.14	61.45 5.03 -2.37	57.49 4.60 -5.44	49.42 4.43 -0.28
ASTORIA_EAST_ENERGY_CC2 323582	44.07 2.38 0.06	37.80 2.11 0.00	34.76 2.24 0.00	33.54 2.16 0.00	34.31 2.27 0.00	35.26 1.90 0.01	41.56 2.39 0.07	46.33 3.11 0.01	48.45 3.63 0.01	49.31 4.03 0.01	51.47 4.72 -0.01	53.01 4.93 -1.53	58.74 4.93 -7.77	61.73 5.05 -10.34	64.00 5.04 -13.95	82.02 5.30 -29.36	95.22 5.87 -36.92	97.81 7.01 -29.79	97.71 8.33 -15.63	90.75 7.95 -11.79	80.36 6.60 -9.14	61.45 5.03 -2.37	57.49 4.60 -5.44	49.42 4.43 -0.28
ASTORIA_GT2_1 24094	44.11 2.42 0.06	37.83 2.14 0.00	34.76 2.24 0.00	33.58 2.20 0.00	34.34 2.31 0.00	35.30 1.94 0.00	41.61 2.43 0.06	46.37 3.16 0.01	48.46 3.63 0.00	49.28 3.99 0.00	51.48 4.72 -0.01	53.05 4.98 -1.53	58.79 4.97 -7.78	61.73 5.05 -10.34	64.01 5.04 -13.96	82.03 5.30 -29.37	71.10 5.87 -12.79	97.82 7.02 -29.79	97.72 8.33 -15.64	90.83 8.02 -11.79	80.37 6.59 -9.14	61.73 5.30 -2.38	57.50 4.60 -5.45	49.47 4.47 -0.28
ASTORIA_GT2_2 24095	44.11 2.42 0.06	37.83 2.14 0.00	34.76 2.24 0.00	33.58 2.20 0.00	34.34 2.31 0.00	35.30 1.94 0.00	41.61 2.43 0.06	46.37 3.16 0.01	48.46 3.63 0.00	49.28 3.99 0.00	51.48 4.72 -0.01	53.05 4.98 -1.53	58.79 4.97 -7.78	61.73 5.05 -10.34	64.01 5.04 -13.96	82.03 5.30 -29.37	71.10 5.87 -12.79	97.82 7.02 -29.79	97.72 8.33 -15.64	90.83 8.02 -11.79	80.37 6.59 -9.14	61.73 5.30 -2.38	57.50 4.60 -5.45	49.47 4.47 -0.28
ASTORIA_GT2_3 24096	44.11 2.42 0.06	37.83 2.14 0.00	34.76 2.24 0.00	33.58 2.20 0.00	34.34 2.31 0.00	35.30 1.94 0.00	41.61 2.43 0.06	46.37 3.16 0.01	48.46 3.63 0.00	49.28 3.99 0.00	51.48 4.72 -0.01	53.05 4.98 -1.53	58.79 4.97 -7.78	61.73 5.05 -10.34	64.01 5.04 -13.96	82.03 5.30 -29.37	71.10 5.87 -12.79	97.82 7.02 -29.79	97.72 8.33 -15.64	90.83 8.02 -11.79	80.37 6.59 -9.14	61.73 5.30 -2.38	57.50 4.60 -5.45	49.47 4.47 -0.28
ASTORIA_GT2_4 24097	44.11 2.42 0.06	37.83 2.14 0.00	34.76 2.24 0.00	33.58 2.20 0.00	34.34 2.31 0.00	35.30 1.94 0.00	41.61 2.43 0.06	46.37 3.16 0.01	48.46 3.63 0.00	49.28 3.99 0.00	51.48 4.72 -0.01	53.05 4.98 -1.53	58.79 4.97 -7.78	61.73 5.05 -10.34	64.01 5.04 -13.96	82.03 5.30 -29.37	71.10 5.87 -12.79	97.82 7.02 -29.79	97.72 8.33 -15.64	90.83 8.02 -11.79	80.37 6.59 -9.14	61.73 5.30 -2.38	57.50 4.60 -5.45	49.47 4.47 -0.28
ASTORIA_GT3_1 24098	44.11 2.42 0.06	37.83 2.14 0.00	34.76 2.24 0.00	33.58 2.20 0.00	34.34 2.31 0.00	35.30 1.94 0.00	41.61 2.43 0.06	46.37 3.16 0.01	48.46 3.63 0.00	49.28 3.99 0.00	51.48 4.72 -0.01	53.05 4.98 -1.53	58.79 4.97 -7.78	61.73 5.05 -10.34	64.01 5.04 -13.96	82.03 5.30 -29.37	71.10 5.87 -12.79	97.82 7.02 -29.79	97.72 8.33 -15.64	90.83 8.02 -11.79	80.37 6.59 -9.14	61.73 5.30 -2.38	57.50 4.60 -5.45	49.47 4.47 -0.28
ASTORIA_GT3_2 24099	44.11 2.42 0.06	37.83 2.14 0.00	34.76 2.24 0.00	33.58 2.20 0.00	34.34 2.31 0.00	35.30 1.94 0.00	41.61 2.43 0.06	46.37 3.16 0.01	48.46 3.63 0.00	49.28 3.99 0.00	51.48 4.72 -0.01	53.05 4.98 -1.53	58.79 4.97 -7.78	61.73 5.05 -10.34	64.01 5.04 -13.96	82.03 5.30 -29.37	71.10 5.87 -12.79	97.82 7.02 -29.79	97.72 8.33 -15.64	90.83 8.02 -11.79	80.37 6.59 -9.14	61.73 5.30 -2.38	57.50 4.60 -5.45	49.47 4.47 -0.28
ASTORIA_GT3_3 24100	44.11 2.42 0.06	37.83 2.14 0.00	34.76 2.24 0.00	33.58 2.20 0.00	34.34 2.31 0.00	35.30 1.94 0.00	41.61 2.43 0.06	46.37 3.16 0.01	48.46 3.63 0.00	49.28 3.99 0.00	51.48 4.72 -0.01	53.05 4.98 -1.53	58.79 4.97 -7.78	61.73 5.05 -10.34	64.01 5.04 -13.96	82.03 5.30 -29.37	71.10 5.87 -12.79	97.82 7.02 -29.79	97.72 8.33 -15.64	90.83 8.02 -11.79	80.37 6.59 -9.14	61.73 5.30 -2.38	57.50 4.60 -5.45	49.47 4.47 -0.28
ASTORIA_GT3_4 24101	44.11 2.42 0.06	37.83 2.14 0.00	34.76 2.24 0.00	33.58 2.20 0.00	34.34 2.31 0.00	35.30 1.94 0.00	41.61 2.43 0.06	46.37 3.16 0.01	48.46 3.63 0.00	49.28 3.99 0.00	51.48 4.72 -0.01	53.05 4.98 -1.53	58.79 4.97 -7.78	61.73 5.05 -10.34	64.01 5.04 -13.96	82.03 5.30 -29.37	71.10 5.87 -12.79	97.82 7.02 -29.79	97.72 8.33 -15.64	90.83 8.02 -11.79	80.37 6.59 -9.14	61.73 5.30 -2.38	57.50 4.60 -5.45	49.47 4.47 -0.28
ASTORIA_GT4_1 24102	44.11 2.42 0.06	37.83 2.14 0.00	34.76 2.24 0.00	33.58 2.20 0.00	34.34 2.31 0.00	35.30 1.94 0.00	41.61 2.43 0.06	46.37 3.16 0.01	48.46 3.63 0.00	49.28 3.99 0.00	51.48 4.72 -0.01	53.05 4.98 -1.53	58.79 4.97 -7.78	61.73 5.05 -10.34	64.01 5.04 -13.96	82.03 5.30 -29.37	71.10 5.87 -12.79	97.82 7.02 -29.79	97.72 8.33 -15.64	90.83 8.02 -11.79	80.37 6.59 -9.14	61.73 5.30 -2.38	57.50 4.60 -5.45	49.47 4.47 -0.28
ASTORIA_GT4_2 24103	44.11 2.42 0.06	37.83 2.14 0.00	34.76 2.24 0.00	33.58 2.20 0.00	34.34 2.31 0.00	35.30 1.94 0.00	41.61 2.43 0.06	46.37 3.16 0.01	48.46 3.63 0.00	49.28 3.99 0.00	51.48 4.72 -0.01	53.05 4.98 -1.53	58.79 4.97 -7.78	61.73 5.05 -10.34	64.01 5.04 -13.96	82.03 5.30 -29.37	71.10 5.87 -12.79	97.82 7.02 -29.79	97.72 8.33 -15.64	90.83 8.02 -11.79	80.37 6.59 -9.14	61.73 5.30 -2.38	57.50 4.60 -5.45	49.47 4.47 -0.28
ASTORIA_GT4_3 24104	44.11 2.42 0.06	37.83 2.14 0.00	34.76 2.24 0.00	33.58 2.20 0.00	34.34 2.31 0.00	35.30 1.94 0.00	41.61 2.43 0.06	46.37 3.16 0.01	48.46 3.63 0.00	49.28 3.99 0.00	51.48 4.72 -0.01	53.05 4.98 -1.53	58.79 4.97 -7.78	61.73 5.05 -10.34	64.01 5.04 -13.96	82.03 5.30 -29.37	71.10 5.87 -12.79	97.82 7.02 -29.79	97.72 8.33 -15.64	90.83 8.02 -11.79	80.37 6.59 -9.14	61.73 5.30 -2.38	57.50 4.60 -5.45	49.47 4.47 -0.28

ASTORIA_GT4_4 24105	44.11 2.42 0.06	37.83 2.14 0.00	34.76 2.24 0.00	33.58 2.20 0.00	34.34 2.31 0.00	35.30 1.94 0.00	41.61 2.43 0.06	46.37 3.16 0.01	48.46 3.63 0.00	49.28 3.99 0.00	51.48 4.72 -0.01	53.05 4.98 -1.53	58.79 4.97 -7.78	61.73 5.05 -10.34	64.01 5.04 -13.96	82.03 5.30 -29.37	71.10 5.87 -12.79	97.82 7.02 -29.79	97.72 8.33 -15.64	90.83 8.02 -11.79	80.37 6.59 -9.14	61.73 5.30 -2.38	57.50 4.60 -5.45	49.47 4.47 -0.28
ASTORIA_GT_1 23523	44.19 2.51 0.06	37.87 2.18 0.00	34.79 2.28 0.00	33.64 2.26 0.00	34.37 2.34 0.00	35.34 1.97 0.00	41.69 2.51 0.06	46.46 3.24 0.01	48.55 3.72 0.00	49.37 4.08 0.00	51.57 4.81 -0.01	53.15 5.07 -1.53	58.89 5.06 -7.78	61.87 5.19 -10.34	64.15 5.18 -13.96	82.17 5.45 -29.37	71.26 6.03 -12.79	98.00 7.20 -29.79	97.95 8.56 -15.64	90.97 8.17 -11.79	80.56 6.79 -9.14	61.89 5.46 -2.38	57.60 4.70 -5.45	49.56 4.56 -0.28
ASTORIA_GT_10 24110	44.19 2.51 0.06	37.94 2.25 0.00	34.66 2.15 0.00	33.48 2.10 0.00	34.24 2.21 0.00	35.44 2.07 0.00	41.77 2.59 0.06	46.54 3.33 0.01	48.64 3.81 0.00	49.46 4.17 0.00	51.53 4.77 -0.01	52.97 4.89 -1.54	58.75 4.93 -7.78	61.69 5.00 -10.35	63.97 5.00 -13.96	82.03 5.30 -29.37	95.23 5.87 -36.92	97.76 6.96 -29.79	97.72 8.33 -15.64	90.76 7.95 -11.79	80.37 6.59 -9.14	61.73 5.30 -2.38	57.45 4.56 -5.45	49.51 4.52 -0.28
ASTORIA_GT_11 24225	44.19 2.51 0.06	37.94 2.25 0.00	34.66 2.15 0.00	33.48 2.10 0.00	34.24 2.21 0.00	35.44 2.07 0.00	41.77 2.59 0.06	46.54 3.33 0.01	48.64 3.81 0.00	49.46 4.17 0.00	51.53 4.77 -0.01	52.97 4.89 -1.54	58.75 4.93 -7.78	61.69 5.00 -10.35	63.97 5.00 -13.96	82.03 5.30 -29.37	95.23 5.87 -36.92	97.76 6.96 -29.79	97.72 8.33 -15.64	90.76 7.95 -11.79	80.37 6.59 -9.14	61.73 5.30 -2.38	57.45 4.56 -5.45	49.51 4.52 -0.28
ASTORIA_GT_12 24226	44.19 2.51 0.06	37.94 2.25 0.00	34.66 2.15 0.00	33.48 2.10 0.00	34.24 2.21 0.00	35.44 2.07 0.00	41.77 2.59 0.06	46.54 3.33 0.01	48.64 3.81 0.00	49.46 4.17 0.00	51.53 4.77 -0.01	52.97 4.89 -1.54	58.75 4.93 -7.78	61.69 5.00 -10.35	63.97 5.00 -13.96	82.03 5.30 -29.37	95.23 5.87 -36.92	97.76 6.96 -29.79	97.72 8.33 -15.64	90.76 7.95 -11.79	80.37 6.59 -9.14	61.73 5.30 -2.38	57.45 4.56 -5.45	49.51 4.52 -0.28
ASTORIA_GT_13 24227	44.19 2.51 0.06	37.94 2.25 0.00	34.66 2.15 0.00	33.48 2.10 0.00	34.24 2.21 0.00	35.44 2.07 0.00	41.77 2.59 0.06	46.54 3.33 0.01	48.64 3.81 0.00	49.46 4.17 0.00	51.53 4.77 -0.01	52.97 4.89 -1.54	58.75 4.93 -7.78	61.69 5.00 -10.35	63.97 5.00 -13.96	82.03 5.30 -29.37	95.23 5.87 -36.92	97.76 6.96 -29.79	97.72 8.33 -15.64	90.76 7.95 -11.79	80.37 6.59 -9.14	61.73 5.30 -2.38	57.45 4.56 -5.45	49.51 4.52 -0.28
ASTORIA_GT_5 24106	44.19 2.51 0.06	37.87 2.18 0.00	34.79 2.28 0.00	33.64 2.26 0.00	34.37 2.34 0.00	35.34 1.97 0.00	41.69 2.51 0.06	46.46 3.24 0.01	48.55 3.72 0.00	49.37 4.08 0.00	51.57 4.81 -0.01	53.15 5.07 -1.53	58.89 5.06 -7.78	61.87 5.19 -10.34	64.15 5.18 -13.96	82.17 5.45 -29.37	71.26 6.03 -12.79	98.00 7.20 -29.79	97.95 8.56 -15.64	90.97 8.17 -11.79	80.56 6.79 -9.14	61.89 5.46 -2.38	57.60 4.70 -5.45	49.56 4.56 -0.28
ASTORIA_GT_7 24107	44.19 2.51 0.06	37.87 2.18 0.00	34.79 2.28 0.00	33.64 2.26 0.00	34.37 2.34 0.00	35.34 1.97 0.00	41.69 2.51 0.06	46.46 3.24 0.01	48.55 3.72 0.00	49.37 4.08 0.00	51.57 4.81 -0.01	53.15 5.07 -1.53	58.89 5.06 -7.78	61.87 5.19 -10.34	64.15 5.18 -13.96	82.17 5.45 -29.37	71.26 6.03 -12.79	98.00 7.20 -29.79	97.95 8.56 -15.64	90.97 8.17 -11.79	80.56 6.79 -9.14	61.89 5.46 -2.38	57.60 4.70 -5.45	49.56 4.56 -0.28
ASTORIA_GT_8 24108	44.19 2.51 0.06	37.87 2.18 0.00	34.79 2.28 0.00	33.64 2.26 0.00	34.37 2.34 0.00	35.34 1.97 0.00	41.69 2.51 0.06	46.46 3.24 0.01	48.55 3.72 0.00	49.37 4.08 0.00	51.57 4.81 -0.01	53.15 5.07 -1.53	58.89 5.06 -7.78	61.87 5.19 -10.34	64.15 5.18 -13.96	82.17 5.45 -29.37	71.26 6.03 -12.79	98.00 7.20 -29.79	97.95 8.56 -15.64	90.97 8.17 -11.79	80.56 6.79 -9.14	61.89 5.46 -2.38	57.60 4.70 -5.45	49.56 4.56 -0.28
ASTORIA___2 24149	44.07 2.38 0.06	37.80 2.11 0.00	34.76 2.24 0.00	33.54 2.16 0.00	34.31 2.27 0.00	35.26 1.90 0.01	41.56 2.39 0.07	46.37 3.15 0.01	48.49 3.68 0.01	49.31 4.03 0.01	51.47 4.72 -0.01	53.06 4.98 -1.53	58.79 4.97 -7.77	61.73 5.05 -10.34	64.00 5.04 -13.95	82.07 5.35 -29.36	95.22 5.87 -36.92	97.87 7.07 -29.79	97.71 8.33 -15.63	90.75 7.95 -11.79	80.36 6.60 -9.14	61.45 5.03 -2.37	57.49 4.60 -5.44	49.42 4.43 -0.28
ASTORIA___3 23516	44.15 2.46 0.06	37.90 2.21 0.00	34.63 2.11 0.00	33.48 2.10 0.00	34.21 2.18 0.00	35.40 2.04 0.00	41.73 2.55 0.06	46.50 3.28 0.01	48.59 3.77 0.00	49.46 4.16 0.00	51.53 4.77 -0.01	52.97 4.89 -1.54	58.75 4.93 -7.78	61.69 5.01 -10.35	63.97 5.00 -13.96	82.03 5.30 -29.37	95.23 5.87 -36.92	97.82 7.01 -29.79	97.72 8.33 -15.64	90.76 7.95 -11.79	80.37 6.60 -9.14	61.62 5.19 -2.38	57.50 4.60 -5.45	49.47 4.47 -0.28
ASTORIA___4 23517	44.19 2.51 0.06	37.94 2.25 0.00	34.66 2.15 0.00	33.48 2.10 0.00	34.24 2.21 0.00	35.44 2.07 0.00	41.77 2.59 0.06	46.54 3.33 0.01	48.64 3.81 0.00	49.46 4.17 0.00	51.53 4.77 -0.01	52.97 4.89 -1.54	58.75 4.93 -7.78	61.69 5.00 -10.35	63.97 5.00 -13.96	82.03 5.30 -29.37	95.23 5.87 -36.92	97.76 6.96 -29.79	97.72 8.33 -15.64	90.76 7.95 -11.79	80.37 6.59 -9.14	61.73 5.30 -2.38	57.45 4.56 -5.45	49.51 4.52 -0.28
ASTORIA___5 23518	44.15 2.46 0.06	37.90 2.21 0.00	34.66 2.15 0.00	33.48 2.10 0.00	34.21 2.18 0.00	35.40 2.04 0.00	41.73 2.55 0.06	46.50 3.28 0.01	48.59 3.77 0.00	49.46 4.16 0.00	51.53 4.77 -0.01	52.97 4.89 -1.54	58.75 4.93 -7.78	61.69 5.01 -10.35	63.97 5.00 -13.96	82.03 5.30 -29.37	95.23 5.87 -36.92	97.82 7.01 -29.79	97.72 8.33 -15.64	90.76 7.95 -11.79	80.37 6.60 -9.14	61.62 5.19 -2.38	57.50 4.60 -5.45	49.47 4.47 -0.28
AST_ENERGY_2_CC3 323677	44.03 2.34 0.06	37.87 2.18 0.00	34.50 1.98 0.00	33.36 1.98 0.00	34.11 2.08 0.00	35.37 2.00 0.00	41.73 2.55 0.06	46.50 3.28 0.01	48.54 3.72 0.00	49.37 4.08 0.00	51.39 4.63 -0.01	52.92 4.84 -1.53	58.72 4.93 -7.75	61.70 5.05 -10.31	64.02 5.08 -13.93	82.09 5.44 -29.29	95.25 5.98 -36.83	97.93 7.13 -29.79	97.93 8.55 -15.63	90.88 8.09 -11.78	80.55 6.78 -9.13	61.62 5.19 -2.38	57.44 4.56 -5.43	49.42 4.43 -0.28
AST_ENERGY_2_CC4 323678	44.03 2.34 0.06	37.87 2.18 0.00	34.50 1.98 0.00	33.36 1.98 0.00	34.11 2.08 0.00	35.37 2.00 0.00	41.73 2.55 0.06	46.50 3.28 0.01	48.54 3.72 0.00	49.37 4.08 0.00	51.39 4.63 -0.01	52.92 4.84 -1.53	58.72 4.93 -7.75	61.70 5.05 -10.31	64.02 5.08 -13.93	82.09 5.44 -29.29	95.25 5.98 -36.83	97.93 7.13 -29.79	97.93 8.55 -15.63	90.88 8.09 -11.78	80.55 6.78 -9.13	61.62 5.19 -2.38	57.44 4.56 -5.43	49.42 4.43 -0.28

ATHENS_STG_1 23668	42.99 1.30 0.06	36.94 1.25 0.00	33.69 1.17 0.00	32.54 1.16 0.00	33.25 1.22 0.00	34.57 1.20 0.00	40.59 1.41 0.06	44.99 1.77 0.00	46.62 1.79 0.00	47.19 1.90 0.00	48.84 2.11 0.01	48.69 2.14 0.00	48.20 2.16 0.00	48.87 2.22 -0.31	48.59 2.07 -1.50	51.82 2.18 -2.29	58.54 2.41 -3.69	52.24 2.99 11.76	69.82 3.54 7.47	76.41 3.27 -2.13	72.71 2.84 -5.24	58.72 2.27 -2.40	51.58 1.99 -2.13	46.94 1.92 -0.30
ATHENS_STG_2 23670	42.99 1.30 0.06	36.94 1.25 0.00	33.69 1.17 0.00	32.54 1.16 0.00	33.25 1.22 0.00	34.57 1.20 0.00	40.59 1.41 0.06	44.99 1.77 0.00	46.62 1.79 0.00	47.19 1.90 0.00	48.84 2.11 0.01	48.69 2.14 0.00	48.20 2.16 0.00	48.87 2.22 -0.31	48.59 2.07 -1.50	51.82 2.18 -2.29	58.54 2.41 -3.69	52.24 2.99 11.76	69.82 3.54 7.47	76.41 3.27 -2.13	72.71 2.84 -5.24	58.72 2.27 -2.40	51.58 1.99 -2.13	46.94 1.92 -0.30
ATHENS_STG_3 23677	42.99 1.30 0.06	36.94 1.25 0.00	33.69 1.17 0.00	32.54 1.16 0.00	33.25 1.22 0.00	34.57 1.20 0.00	40.59 1.41 0.06	44.99 1.77 0.00	46.62 1.79 0.00	47.19 1.90 0.00	48.84 2.11 0.01	48.69 2.14 0.00	48.20 2.16 0.00	48.87 2.22 -0.31	48.59 2.07 -1.50	51.82 2.18 -2.29	58.54 2.41 -3.69	52.24 2.99 11.76	69.82 3.54 7.47	76.41 3.27 -2.13	72.71 2.84 -5.24	58.72 2.27 -2.40	51.58 1.99 -2.13	46.94 1.92 -0.30
AUBURN___LFGE 323710	42.73 -0.46 -1.44	36.97 -0.32 -1.60	33.71 -0.26 -1.45	32.52 -0.25 -1.39	33.07 -0.19 -1.23	34.76 -0.10 -1.49	40.58 -0.24 -1.58	44.60 -0.48 -1.86	46.55 -0.31 -2.04	47.03 -0.32 -2.06	48.26 -0.56 -2.08	47.66 -0.65 -1.77	47.10 -0.69 -1.75	47.73 -0.70 -2.09	46.31 -0.72 -2.02	48.48 -0.62 -1.74	54.08 -0.63 -2.27	66.77 -0.61 -6.37	86.96 -0.44 -13.65	79.99 -0.28 -9.26	66.81 -0.19 -2.37	55.76 -0.05 -1.77	48.74 -0.28 -1.58	46.04 -0.45 -1.77
BABYLON_RES_REC 323704	44.90 3.22 0.06	38.55 2.86 0.00	34.89 2.37 0.00	33.67 2.29 0.00	34.43 2.40 0.00	35.84 2.47 0.00	42.32 3.14 0.06	48.59 4.24 -1.14	49.50 4.66 -0.02	51.71 4.98 -1.43	52.39 5.28 -0.37	53.14 5.40 -1.20	57.98 5.48 -6.46	55.91 5.56 -4.01	55.58 5.49 -5.08	60.74 5.59 -7.80	70.84 5.72 -12.69	95.42 7.07 -27.33	94.56 8.40 -12.40	85.55 7.39 -7.15	75.81 6.07 -5.10	61.49 5.08 -2.37	53.87 4.32 -2.10	50.17 5.19 -0.27
BALL_HILL_WT_PWR 323825	20.74 -4.64 16.38	19.13 -3.96 12.60	17.42 -3.61 11.48	16.96 -3.39 11.03	17.20 -3.56 11.28	17.95 -3.64 11.78	19.06 -4.71 15.47	22.36 -5.06 15.80	24.15 -4.93 15.74	24.54 -4.89 15.86	24.77 -5.37 16.60	25.06 -5.31 16.18	24.75 -5.29 16.00	24.95 -5.28 16.10	24.75 -4.59 15.67	26.48 -4.88 15.99	27.42 -5.77 19.25	32.25 -6.77 21.99	36.18 -7.89 29.68	38.41 -7.10 25.50	38.26 -6.46 19.91	33.71 -5.24 15.10	29.78 -4.84 12.84	27.42 -4.83 12.47
BARON_WINDS___WT_PWR 323822	-18.98 -2.17 58.56	-6.00 -1.71 39.98	-6.00 -1.59 36.93	-6.00 -1.66 35.72	-16.35 -1.63 46.75	-6.00 -1.60 37.77	-6.00 -2.08 43.16	-6.00 -2.46 46.76	-6.00 -2.28 48.54	-6.00 -2.45 48.84	-6.00 -2.76 49.99	-23.54 -2.79 67.30	-23.23 -2.72 66.55	-6.00 -2.73 49.60	-6.00 -2.56 48.45	-6.00 -2.75 50.61	-6.00 -3.04 55.39	-6.00 -3.72 63.29	-6.00 -3.98 75.77	-6.00 -3.55 73.47	-6.00 -3.10 67.53	-6.00 -2.43 57.62	-6.00 -2.47 50.98	-6.00 -2.46 48.26
BARRETT_IC_1 23704	44.49 2.80 0.06	38.19 2.50 0.00	34.63 2.11 0.00	33.45 2.07 0.00	34.18 2.15 0.00	35.53 2.17 0.00	42.00 2.83 0.06	48.11 3.76 -1.14	49.01 4.17 -0.02	51.21 4.48 -1.43	51.98 4.86 -0.37	52.73 4.98 -1.21	57.52 5.02 -6.46	55.45 5.10 -4.01	55.13 5.04 -5.08	60.26 5.12 -7.79	70.47 5.35 -12.69	95.01 6.59 -27.40	94.12 7.90 -12.47	85.13 6.96 -7.16	75.43 5.69 -5.10	61.06 4.65 -2.37	53.59 4.03 -2.11	49.73 4.74 -0.27
BARRETT_IC_10 23701	44.49 2.80 0.06	38.19 2.50 0.00	34.63 2.11 0.00	33.45 2.07 0.00	34.18 2.15 0.00	35.53 2.17 0.00	42.00 2.83 0.06	48.11 3.76 -1.14	49.01 4.17 -0.02	51.21 4.48 -1.43	51.98 4.86 -0.37	52.73 4.98 -1.21	57.52 5.02 -6.46	55.45 5.10 -4.01	55.13 5.04 -5.08	60.26 5.12 -7.79	70.47 5.35 -12.69	95.01 6.59 -27.40	94.12 7.90 -12.47	85.13 6.96 -7.16	75.43 5.69 -5.10	61.06 4.65 -2.37	53.59 4.03 -2.11	49.73 4.74 -0.27
BARRETT_IC_11 23702	44.49 2.80 0.06	38.19 2.50 0.00	34.63 2.11 0.00	33.45 2.07 0.00	34.18 2.15 0.00	35.53 2.17 0.00	42.00 2.83 0.06	48.11 3.76 -1.14	49.01 4.17 -0.02	51.21 4.48 -1.43	51.98 4.86 -0.37	52.73 4.98 -1.21	57.52 5.02 -6.46	55.45 5.10 -4.01	55.13 5.04 -5.08	60.26 5.12 -7.79	70.47 5.35 -12.69	95.01 6.59 -27.40	94.12 7.90 -12.47	85.13 6.96 -7.16	75.43 5.69 -5.10	61.06 4.65 -2.37	53.59 4.03 -2.11	49.73 4.74 -0.27
BARRETT_IC_12 23703	44.49 2.80 0.06	38.19 2.50 0.00	34.63 2.11 0.00	33.45 2.07 0.00	34.18 2.15 0.00	35.53 2.17 0.00	42.00 2.83 0.06	48.11 3.76 -1.14	49.01 4.17 -0.02	51.21 4.48 -1.43	51.98 4.86 -0.37	52.73 4.98 -1.21	57.52 5.02 -6.46	55.45 5.10 -4.01	55.13 5.04 -5.08	60.26 5.12 -7.79	70.47 5.35 -12.69	95.01 6.59 -27.40	94.12 7.90 -12.47	85.13 6.96 -7.16	75.43 5.69 -5.10	61.06 4.65 -2.37	53.59 4.03 -2.11	49.73 4.74 -0.27
BARRETT_IC_2 23705	44.49 2.80 0.06	38.19 2.50 0.00	34.63 2.11 0.00	33.45 2.07 0.00	34.18 2.15 0.00	35.53 2.17 0.00	42.00 2.83 0.06	48.11 3.76 -1.14	49.01 4.17 -0.02	51.21 4.48 -1.43	51.98 4.86 -0.37	52.73 4.98 -1.21	57.52 5.02 -6.46	55.45 5.10 -4.01	55.13 5.04 -5.08	60.26 5.12 -7.79	70.47 5.35 -12.69	95.01 6.59 -27.40	94.12 7.90 -12.47	85.13 6.96 -7.16	75.43 5.69 -5.10	61.06 4.65 -2.37	53.59 4.03 -2.11	49.73 4.74 -0.27
BARRETT_IC_3 23706	44.49 2.80 0.06	38.19 2.50 0.00	34.63 2.11 0.00	33.45 2.07 0.00	34.18 2.15 0.00	35.53 2.17 0.00	42.00 2.83 0.06	48.11 3.76 -1.14	49.01 4.17 -0.02	51.21 4.48 -1.43	51.98 4.86 -0.37	52.73 4.98 -1.21	57.52 5.02 -6.46	55.45 5.10 -4.01	55.13 5.04 -5.08	60.26 5.12 -7.79	70.47 5.35 -12.69	95.01 6.59 -27.40	94.12 7.90 -12.47	85.13 6.96 -7.16	75.43 5.69 -5.10	61.06 4.65 -2.37	53.59 4.03 -2.11	49.73 4.74 -0.27
BARRETT_IC_4 23707	44.49 2.80 0.06	38.19 2.50 0.00	34.63 2.11 0.00	33.45 2.07 0.00	34.18 2.15 0.00	35.53 2.17 0.00	42.00 2.83 0.06	48.11 3.76 -1.14	49.01 4.17 -0.02	51.21 4.48 -1.43	51.98 4.86 -0.37	52.73 4.98 -1.21	57.52 5.02 -6.46	55.45 5.10 -4.01	55.13 5.04 -5.08	60.26 5.12 -7.79	70.47 5.35 -12.69	95.01 6.59 -27.40	94.12 7.90 -12.47	85.13 6.96 -7.16	75.43 5.69 -5.10	61.06 4.65 -2.37	53.59 4.03 -2.11	49.73 4.74 -0.27
BARRETT_IC_5 23708	44.49 2.80 0.06	38.19 2.50 0.00	34.63 2.11 0.00	33.45 2.07 0.00	34.18 2.15 0.00	35.53 2.17 0.00	42.00 2.83 0.06	48.11 3.76 -1.14	49.01 4.17 -0.02	51.21 4.48 -1.43	51.98 4.86 -0.37	52.73 4.98 -1.21	57.52 5.02 -6.46	55.45 5.10 -4.01	55.13 5.04 -5.08	60.26 5.12 -7.79	70.47 5.35 -12.69	95.01 6.59 -27.40	94.12 7.90 -12.47	85.13 6.96 -7.16	75.43 5.69 -5.10	61.06 4.65 -2.37	53.59 4.03 -2.11	49.73 4.74 -0.27

BARRETT_IC_6 23709	44.49 2.80 0.06	38.19 2.50 0.00	34.63 2.11 0.00	33.45 2.07 0.00	34.18 2.15 0.00	35.53 2.17 0.00	42.00 2.83 0.06	48.11 3.76 -1.14	49.01 4.17 -0.02	51.21 4.48 -1.43	51.98 4.86 -0.37	52.73 4.98 -1.21	57.52 5.02 -6.46	55.45 5.10 -4.01	55.13 5.04 -5.08	60.26 5.12 -7.79	70.47 5.35 -12.69	95.01 6.59 -27.40	94.12 7.90 -12.47	85.13 6.96 -7.16	75.43 5.69 -5.10	61.06 4.65 -2.37	53.59 4.03 -2.11	49.73 4.74 -0.27
BARRETT_IC_7 23710	44.70 3.01 0.06	38.40 2.71 0.00	34.79 2.28 0.00	33.61 2.23 0.00	34.34 2.31 0.00	35.77 2.40 0.00	42.16 2.98 0.06	48.16 3.80 -1.14	49.06 4.21 -0.02	51.21 4.48 -1.43	51.97 4.86 -0.37	52.72 4.98 -1.20	57.52 5.02 -6.46	55.45 5.10 -4.01	55.13 5.04 -5.07	60.21 5.07 -7.79	70.42 5.30 -12.69	95.00 6.59 -27.40	94.04 7.82 -12.47	85.19 7.03 -7.15	75.49 5.75 -5.10	61.17 4.76 -2.37	53.63 4.08 -2.10	49.73 4.74 -0.27
BARRETT_IC_8 23711	44.49 2.80 0.06	38.19 2.50 0.00	34.63 2.11 0.00	33.45 2.07 0.00	34.18 2.15 0.00	35.53 2.17 0.00	42.00 2.83 0.06	48.11 3.76 -1.14	49.01 4.17 -0.02	51.21 4.48 -1.43	51.98 4.86 -0.37	52.73 4.98 -1.21	57.52 5.02 -6.46	55.45 5.10 -4.01	55.13 5.04 -5.08	60.26 5.12 -7.79	70.47 5.35 -12.69	95.01 6.59 -27.40	94.12 7.90 -12.47	85.13 6.96 -7.16	75.43 5.69 -5.10	61.06 4.65 -2.37	53.59 4.03 -2.11	49.73 4.74 -0.27
BARRETT_IC_9 23700	44.49 2.80 0.06	38.19 2.50 0.00	34.63 2.11 0.00	33.45 2.07 0.00	34.18 2.15 0.00	35.53 2.17 0.00	42.00 2.83 0.06	48.11 3.76 -1.14	49.01 4.17 -0.02	51.21 4.48 -1.43	51.98 4.86 -0.37	52.73 4.98 -1.21	57.52 5.02 -6.46	55.45 5.10 -4.01	55.13 5.04 -5.08	60.26 5.12 -7.79	70.47 5.35 -12.69	95.01 6.59 -27.40	94.12 7.90 -12.47	85.13 6.96 -7.16	75.43 5.69 -5.10	61.06 4.65 -2.37	53.59 4.03 -2.11	49.73 4.74 -0.27
BARRETT___1 23545	44.49 2.80 0.06	38.19 2.50 0.00	34.63 2.11 0.00	33.45 2.07 0.00	34.18 2.15 0.00	35.53 2.17 0.00	42.00 2.83 0.06	48.11 3.76 -1.14	49.01 4.17 -0.02	51.21 4.48 -1.43	51.98 4.86 -0.37	52.73 4.98 -1.21	57.52 5.02 -6.46	55.45 5.10 -4.01	55.13 5.04 -5.08	60.26 5.12 -7.79	70.47 5.35 -12.69	95.01 6.59 -27.40	94.12 7.90 -12.47	85.13 6.96 -7.16	75.43 5.69 -5.10	61.06 4.65 -2.37	53.59 4.03 -2.11	49.73 4.74 -0.27
BARRETT___2 23546	44.49 2.80 0.06	38.19 2.50 0.00	34.63 2.11 0.00	33.45 2.07 0.00	34.18 2.15 0.00	35.53 2.17 0.00	42.00 2.83 0.06	48.11 3.76 -1.14	49.01 4.17 -0.02	51.21 4.48 -1.43	51.98 4.86 -0.37	52.73 4.98 -1.21	57.52 5.02 -6.46	55.45 5.10 -4.01	55.13 5.04 -5.08	60.26 5.12 -7.79	70.47 5.35 -12.69	95.01 6.59 -27.40	94.12 7.90 -12.47	85.13 6.96 -7.16	75.43 5.69 -5.10	61.06 4.65 -2.37	53.59 4.03 -2.11	49.73 4.74 -0.27
BATAVIA___115KV_TB1 55881	29.20 -3.76 8.80	25.71 -3.25 6.73	23.46 -2.93 6.13	22.73 -2.76 5.88	23.33 -2.79 5.91	24.24 -2.84 6.29	27.26 -3.53 8.44	31.00 -3.80 8.42	33.09 -3.50 8.24	33.37 -3.62 8.30	33.74 -4.25 8.75	33.75 -4.51 8.28	33.29 -4.56 8.19	33.33 -4.59 8.42	32.18 -4.64 8.19	33.53 -4.50 9.33	35.70 -5.09 11.65	39.09 -6.16 15.76	43.77 -6.86 23.12	45.74 -6.32 18.96	46.24 -5.69 12.70	40.43 -4.49 9.14	35.91 -4.08 7.46	33.71 -4.11 6.90
BAYONEEC___CTG1 323682	44.03 2.34 0.06	37.87 2.18 0.00	34.50 1.98 0.00	33.36 1.98 0.00	34.11 2.08 0.00	35.37 2.00 0.00	41.73 2.55 0.06	46.54 3.33 0.01	48.59 3.77 0.00	49.41 4.12 0.00	51.43 4.67 -0.01	53.00 4.93 -1.52	58.75 5.02 -7.69	61.68 5.10 -10.24	64.00 5.13 -13.86	81.98 5.49 -29.13	95.17 6.08 -36.65	98.03 7.26 -29.77	98.05 8.70 -15.60	90.92 8.16 -11.74	80.58 6.85 -9.10	61.67 5.24 -2.38	57.51 4.65 -5.41	49.47 4.47 -0.28
BAYONEEC___CTG10 323750	44.03 2.34 0.06	37.87 2.18 0.00	34.50 1.98 0.00	33.36 1.98 0.00	34.11 2.08 0.00	35.37 2.00 0.00	41.73 2.55 0.06	46.54 3.33 0.01	48.59 3.77 0.00	49.41 4.12 0.00	51.43 4.67 -0.01	53.00 4.93 -1.52	58.75 5.02 -7.69	61.68 5.10 -10.24	64.00 5.13 -13.86	81.98 5.49 -29.13	95.17 6.08 -36.65	98.03 7.26 -29.77	98.05 8.70 -15.60	90.92 8.16 -11.74	80.58 6.85 -9.10	61.67 5.24 -2.38	57.51 4.65 -5.41	49.47 4.47 -0.28
BAYONEEC___CTG2 323683	44.03 2.34 0.06	37.87 2.18 0.00	34.50 1.98 0.00	33.36 1.98 0.00	34.11 2.08 0.00	35.37 2.00 0.00	41.73 2.55 0.06	46.54 3.33 0.01	48.59 3.77 0.00	49.41 4.12 0.00	51.43 4.67 -0.01	53.00 4.93 -1.52	58.75 5.02 -7.69	61.68 5.10 -10.24	64.00 5.13 -13.86	81.98 5.49 -29.13	95.17 6.08 -36.65	98.03 7.26 -29.77	98.05 8.70 -15.60	90.92 8.16 -11.74	80.58 6.85 -9.10	61.67 5.24 -2.38	57.51 4.65 -5.41	49.47 4.47 -0.28
BAYONEEC___CTG3 323684	44.03 2.34 0.06	37.87 2.18 0.00	34.50 1.98 0.00	33.36 1.98 0.00	34.11 2.08 0.00	35.37 2.00 0.00	41.73 2.55 0.06	46.54 3.33 0.01	48.59 3.77 0.00	49.41 4.12 0.00	51.43 4.67 -0.01	53.00 4.93 -1.52	58.75 5.02 -7.69	61.68 5.10 -10.24	64.00 5.13 -13.86	81.98 5.49 -29.13	95.17 6.08 -36.65	98.03 7.26 -29.77	98.05 8.70 -15.60	90.92 8.16 -11.74	80.58 6.85 -9.10	61.67 5.24 -2.38	57.51 4.65 -5.41	49.47 4.47 -0.28
BAYONEEC___CTG4 323685	44.03 2.34 0.06	37.87 2.18 0.00	34.50 1.98 0.00	33.36 1.98 0.00	34.11 2.08 0.00	35.37 2.00 0.00	41.73 2.55 0.06	46.54 3.33 0.01	48.59 3.77 0.00	49.41 4.12 0.00	51.43 4.67 -0.01	53.00 4.93 -1.52	58.75 5.02 -7.69	61.68 5.10 -10.24	64.00 5.13 -13.86	81.98 5.49 -29.13	95.17 6.08 -36.65	98.03 7.26 -29.77	98.05 8.70 -15.60	90.92 8.16 -11.74	80.58 6.85 -9.10	61.67 5.24 -2.38	57.51 4.65 -5.41	49.47 4.47 -0.28
BAYONEEC___CTG5 323686	44.03 2.34 0.06	37.87 2.18 0.00	34.50 1.98 0.00	33.36 1.98 0.00	34.11 2.08 0.00	35.37 2.00 0.00	41.73 2.55 0.06	46.54 3.33 0.01	48.59 3.77 0.00	49.41 4.12 0.00	51.43 4.67 -0.01	53.00 4.93 -1.52	58.75 5.02 -7.69	61.68 5.10 -10.24	64.00 5.13 -13.86	81.98 5.49 -29.13	95.17 6.08 -36.65	98.03 7.26 -29.77	98.05 8.70 -15.60	90.92 8.16 -11.74	80.58 6.85 -9.10	61.67 5.24 -2.38	57.51 4.65 -5.41	49.47 4.47 -0.28
BAYONEEC___CTG6 323687	44.03 2.34 0.06	37.87 2.18 0.00	34.50 1.98 0.00	33.36 1.98 0.00	34.11 2.08 0.00	35.37 2.00 0.00	41.73 2.55 0.06	46.54 3.33 0.01	48.59 3.77 0.00	49.41 4.12 0.00	51.43 4.67 -0.01	53.00 4.93 -1.52	58.75 5.02 -7.69	61.68 5.10 -10.24	64.00 5.13 -13.86	81.98 5.49 -29.13	95.17 6.08 -36.65	98.03 7.26 -29.77	98.05 8.70 -15.60	90.92 8.16 -11.74	80.58 6.85 -9.10	61.67 5.24 -2.38	57.51 4.65 -5.41	49.47 4.47 -0.28
BAYONEEC___CTG7 323688	44.03 2.34 0.06	37.87 2.18 0.00	34.50 1.98 0.00	33.36 1.98 0.00	34.11 2.08 0.00	35.37 2.00 0.00	41.73 2.55 0.06	46.54 3.33 0.01	48.59 3.77 0.00	49.41 4.12 0.00	51.43 4.67 -0.01	53.00 4.93 -1.52	58.75 5.02 -7.69	61.68 5.10 -10.24	64.00 5.13 -13.86	81.98 5.49 -29.13	95.17 6.08 -36.65	98.03 7.26 -29.77	98.05 8.70 -15.60	90.92 8.16 -11.74	80.58 6.85 -9.10	61.67 5.24 -2.38	57.51 4.65 -5.41	49.47 4.47 -0.28

BAYONEEC___CTG8 323689	44.03 2.34 0.06	37.87 2.18 0.00	34.50 1.98 0.00	33.36 1.98 0.00	34.11 2.08 0.00	35.37 2.00 0.00	41.73 2.55 0.06	46.54 3.33 0.01	48.59 3.77 0.00	49.41 4.12 0.00	51.43 4.67 -0.01	53.00 4.93 -1.52	58.75 5.02 -7.69	61.68 5.10 -10.24	64.00 5.13 -13.86	81.98 5.49 -29.13	95.17 6.08 -36.65	98.03 7.26 -29.77	98.05 8.70 -15.60	90.92 8.16 -11.74	80.58 6.85 -9.10	61.67 5.24 -2.38	57.51 4.65 -5.41	49.47 4.47 -0.28
BAYONEEC___CTG9 323749	44.03 2.34 0.06	37.87 2.18 0.00	34.50 1.98 0.00	33.36 1.98 0.00	34.11 2.08 0.00	35.37 2.00 0.00	41.73 2.55 0.06	46.54 3.33 0.01	48.59 3.77 0.00	49.41 4.12 0.00	51.43 4.67 -0.01	53.00 4.93 -1.52	58.75 5.02 -7.69	61.68 5.10 -10.24	64.00 5.13 -13.86	81.98 5.49 -29.13	95.17 6.08 -36.65	98.03 7.26 -29.77	98.05 8.70 -15.60	90.92 8.16 -11.74	80.58 6.85 -9.10	61.67 5.24 -2.38	57.51 4.65 -5.41	49.47 4.47 -0.28
BAYPORT_69_KV_BK 2 356364	45.95 4.26 0.06	39.44 3.75 0.00	35.61 3.09 0.00	34.39 3.01 0.00	35.14 3.11 0.00	36.60 3.24 0.00	43.14 3.96 0.06	49.46 5.10 -1.14	50.27 5.42 -0.02	52.48 5.75 -1.43	53.19 6.08 -0.37	53.84 6.10 -1.20	58.72 6.22 -6.46	56.70 6.35 -4.01	56.31 6.21 -5.08	61.36 6.20 -7.80	71.41 6.29 -12.69	95.90 7.57 -27.33	95.15 9.00 -12.40	86.19 8.02 -7.15	76.33 6.59 -5.10	62.14 5.73 -2.37	54.44 4.89 -2.10	50.85 5.86 -0.27
BEACON___LESR 323632	43.00 1.25 0.00	36.90 1.21 0.00	33.66 1.14 0.00	32.51 1.13 0.00	33.18 1.15 0.00	34.50 1.14 0.00	40.65 1.41 0.00	44.88 1.60 -0.06	46.39 1.57 0.00	46.88 1.58 0.00	48.38 1.64 0.00	48.03 1.49 0.00	47.51 1.47 0.00	48.53 1.58 -0.61	49.29 1.31 -2.97	52.28 1.37 -3.55	58.28 1.63 -4.22	66.07 2.32 -2.74	76.63 2.87 0.00	77.58 2.84 -3.73	81.45 2.71 -14.10	62.74 2.22 -6.47	55.10 1.90 -5.74	47.22 1.70 -0.80
BEAVER RIVER___HYD 24048	42.05 0.29 0.00	35.73 0.04 0.00	32.45 -0.06 0.00	31.32 -0.06 0.00	31.84 -0.19 0.00	33.20 -0.17 0.00	39.12 -0.12 0.00	43.09 -0.13 0.00	44.51 -0.31 0.00	44.61 -0.68 0.00	45.67 -1.07 0.00	45.38 -1.16 0.00	44.52 -1.52 0.00	44.67 -1.67 0.00	43.08 -1.93 0.00	45.41 -1.94 0.00	50.55 -1.89 0.00	59.12 -1.89 0.00	72.13 -1.62 0.00	69.17 -1.85 0.00	63.21 -1.42 0.00	52.81 -1.24 0.00	46.36 -1.09 0.00	43.78 -0.94 0.00
BEEBEE_GT_13 23619	37.61 -2.88 1.26	31.68 -2.50 1.52	28.87 -2.28 1.37	27.90 -2.17 1.32	28.69 -2.15 1.20	29.75 -2.20 1.41	35.21 -2.67 1.36	38.61 -2.94 1.68	40.28 -2.64 1.90	40.70 -2.67 1.92	41.74 -3.09 1.92	41.54 -3.30 1.70	41.04 -3.31 1.68	41.06 -3.34 1.95	39.75 -3.38 1.89	40.36 -3.31 3.68	43.98 -3.72 4.73	47.72 -4.51 8.78	52.12 -5.09 16.55	53.67 -4.76 12.59	54.46 -4.27 5.91	46.50 -3.46 4.09	41.34 -3.18 2.93	39.99 -3.18 1.56
BENSHRST_27_KV_BENSHRST_1 355998	44.66 2.96 0.06	38.30 2.61 0.00	34.92 2.41 0.00	33.73 2.35 0.00	34.50 2.47 0.00	35.67 2.30 0.00	42.08 2.90 0.06	46.93 3.72 0.01	49.04 4.21 0.00	49.91 4.62 0.00	52.04 5.28 -0.01	53.48 5.40 -1.54	59.16 5.34 -7.78	62.15 5.47 -10.35	64.42 5.45 -13.96	82.60 5.87 -29.37	95.81 6.45 -36.92	98.55 7.75 -29.79	98.68 9.29 -15.64	91.68 8.88 -11.79	81.14 7.37 -9.14	62.43 6.00 -2.38	58.13 5.22 -5.45	50.06 5.05 -0.28
BETHLEHEM___GRP 23843	42.42 0.67 0.00	36.44 0.75 0.00	33.27 0.75 0.00	32.10 0.72 0.00	32.77 0.74 0.00	34.10 0.73 0.00	40.06 0.82 0.00	44.28 0.99 -0.06	45.77 0.94 0.00	46.24 0.95 0.00	47.68 0.93 0.00	47.43 0.88 0.00	46.91 0.87 0.00	47.84 0.93 -0.58	48.61 0.81 -2.79	51.44 0.76 -3.33	57.28 0.84 -4.01	64.90 1.40 -2.49	75.45 1.70 0.00	76.09 1.70 -3.37	80.02 1.49 -13.90	61.72 1.30 -6.38	54.25 1.14 -5.66	46.54 1.03 -0.79
BETHLEHEM___GS1 323560	42.42 0.67 0.00	36.44 0.75 0.00	33.27 0.75 0.00	32.10 0.72 0.00	32.77 0.74 0.00	34.07 0.70 0.00	40.10 0.86 0.00	44.23 0.95 -0.06	45.77 0.94 0.00	46.24 0.95 0.00	47.68 0.93 0.00	47.43 0.88 0.00	46.91 0.87 0.00	47.84 0.93 -0.58	48.52 0.72 -2.79	51.40 0.71 -3.33	57.28 0.84 -4.01	64.90 1.40 -2.49	75.45 1.70 0.00	76.02 1.63 -3.37	80.02 1.49 -13.90	61.67 1.24 -6.38	54.25 1.14 -5.66	46.54 1.03 -0.79
BETHLEHEM___GS2 323561	42.42 0.67 0.00	36.44 0.75 0.00	33.27 0.75 0.00	32.10 0.72 0.00	32.77 0.74 0.00	34.07 0.70 0.00	40.10 0.86 0.00	44.23 0.95 -0.06	45.77 0.94 0.00	46.24 0.95 0.00	47.68 0.93 0.00	47.43 0.88 0.00	46.91 0.87 0.00	47.84 0.93 -0.58	48.52 0.72 -2.79	51.40 0.71 -3.33	57.28 0.84 -4.01	64.90 1.40 -2.49	75.45 1.70 0.00	76.02 1.63 -3.37	80.02 1.49 -13.90	61.67 1.24 -6.38	54.25 1.14 -5.66	46.54 1.03 -0.79
BETHLEHEM___GS3 323562	42.42 0.67 0.00	36.44 0.75 0.00	33.27 0.75 0.00	32.10 0.72 0.00	32.77 0.74 0.00	34.07 0.70 0.00	40.10 0.86 0.00	44.23 0.95 -0.06	45.77 0.94 0.00	46.24 0.95 0.00	47.68 0.93 0.00	47.43 0.88 0.00	46.91 0.87 0.00	47.84 0.93 -0.58	48.52 0.72 -2.79	51.40 0.71 -3.33	57.28 0.84 -4.01	64.90 1.40 -2.49	75.45 1.70 0.00	76.02 1.63 -3.37	80.02 1.49 -13.90	61.67 1.24 -6.38	54.25 1.14 -5.66	46.54 1.03 -0.79
BETHLEHEM___STEEL 23779	21.53 -4.59 15.63	19.73 -3.96 12.00	17.98 -3.61 10.93	17.46 -3.42 10.50	17.87 -3.49 10.67	18.55 -3.60 11.21	20.00 -4.39 14.84	23.26 -4.88 15.07	25.17 -4.71 14.95	25.52 -4.71 15.06	25.76 -5.19 15.79	26.07 -5.21 15.26	25.75 -5.20 15.09	25.90 -5.14 15.30	24.91 -5.22 14.88	26.97 -5.11 15.27	28.25 -5.72 18.47	31.87 -7.08 22.06	36.25 -8.11 29.39	38.17 -7.67 25.17	38.12 -6.98 19.54	33.71 -5.62 14.72	29.93 -5.03 12.49	27.66 -4.92 12.14
BETHLHEM_115KV_TB1 79974	42.46 0.71 0.00	36.51 0.82 0.00	33.30 0.78 0.00	32.16 0.78 0.00	32.80 0.77 0.00	34.13 0.77 0.00	40.10 0.86 0.00	44.32 1.04 -0.06	45.86 1.03 0.00	46.33 1.04 0.00	47.77 1.03 0.00	47.52 0.98 0.00	47.05 1.01 0.00	47.92 1.07 -0.51	48.44 0.95 -2.49	51.22 0.90 -2.97	57.00 1.00 -3.57	64.80 1.53 -2.27	75.60 1.84 0.00	75.94 1.85 -3.08	79.67 1.62 -13.42	61.56 1.35 -6.16	54.10 1.19 -5.46	46.56 1.07 -0.76
BETHPAGE_CC_5 323564	44.78 3.09 0.06	38.48 2.79 0.00	34.83 2.31 0.00	33.64 2.26 0.00	34.37 2.34 0.00	35.77 2.40 0.00	42.24 3.06 0.06	48.42 4.06 -1.14	49.32 4.48 -0.02	51.52 4.80 -1.43	52.30 5.19 -0.37	53.09 5.35 -1.20	57.93 5.43 -6.46	55.86 5.51 -4.01	55.53 5.44 -5.08	60.64 5.49 -7.79	70.84 5.72 -12.69	95.36 7.01 -27.33	94.49 8.33 -12.40	85.55 7.39 -7.15	75.75 6.01 -5.10	61.38 4.97 -2.37	53.82 4.27 -2.10	50.04 5.05 -0.27
BIGTREE_115_KV_TB2_REV_LBMP_A 345034	22.03 -4.38 15.34	20.13 -3.82 11.74	18.34 -3.48 10.70	17.81 -3.29 10.28	18.22 -3.36 10.45	18.92 -3.47 10.98	20.44 -4.24 14.56	23.78 -4.67 14.77	25.70 -4.48 14.64	26.06 -4.48 14.74	26.32 -4.95 15.47	26.63 -4.98 14.94	26.30 -4.97 14.77	26.45 -4.91 14.97	25.49 -4.95 14.56	27.55 -4.83 14.97	28.87 -5.45 18.11	32.63 -6.71 21.67	37.25 -7.67 28.83	39.07 -7.24 24.70	38.80 -6.66 19.18	34.32 -5.30 14.43	30.47 -4.75 12.24	28.18 -4.65 11.89

BINGHAMTON___COGEN 23790	43.00 -0.04 -1.29	37.40 0.07 -1.64	34.07 0.07 -1.49	32.84 0.03 -1.43	33.53 0.10 -1.40	35.03 0.13 -1.53	40.59 0.08 -1.27	45.00 0.04 -1.74	47.12 0.22 -2.07	47.55 0.18 -2.08	48.88 0.09 -2.04	48.66 0.09 -2.02	48.13 0.09 -2.00	48.60 0.09 -2.16	47.40 0.09 -2.30	49.26 0.19 -1.72	54.83 0.21 -2.19	63.91 0.37 -2.53	79.66 0.66 -5.25	75.79 0.64 -4.13	67.85 0.52 -2.70	56.56 0.49 -2.02	49.70 0.28 -1.96	46.47 0.18 -1.57
BIXINCNT_115KV_LOAD 355685	23.08 -4.47 14.20	20.61 -4.32 10.76	18.55 -4.16 9.81	17.97 -3.99 9.42	18.38 -4.07 9.58	19.23 -4.07 10.06	20.77 -4.98 13.49	24.17 -5.45 13.61	26.11 -5.29 13.43	26.52 -5.25 13.52	26.79 -5.75 14.21	27.21 -5.63 13.70	26.78 -5.71 13.55	27.00 -5.61 13.73	25.98 -5.67 13.36	27.85 -5.68 13.82	29.35 -6.34 16.74	33.39 -7.50 20.12	38.37 -8.78 26.60	40.32 -7.88 22.81	39.62 -7.24 17.77	35.02 -5.73 13.30	31.08 -5.12 11.25	28.85 -4.92 10.95
BLACK RIVER___HYD 24047	42.80 1.04 0.00	36.48 0.78 0.00	33.20 0.68 0.00	32.07 0.69 0.00	32.61 0.58 0.00	34.07 0.70 0.00	40.18 0.94 0.00	44.30 1.08 0.00	45.68 0.85 0.00	45.70 0.41 0.00	46.56 -0.19 0.00	46.22 -0.32 0.00	45.12 -0.92 0.00	45.27 -1.06 0.00	43.61 -1.40 0.00	46.12 -1.23 0.00	51.39 -1.05 0.00	60.28 -0.73 0.00	73.90 0.15 0.00	70.80 -0.21 0.00	64.76 0.13 0.00	54.10 0.05 0.00	47.41 -0.05 0.00	44.72 0.00 0.00
BLACKRVR_115KV_TB2 79977	42.71 0.96 0.00	36.48 0.79 0.00	33.17 0.65 0.00	32.07 0.69 0.00	32.61 0.58 0.00	34.07 0.70 0.00	40.18 0.94 0.00	44.30 1.08 0.00	45.68 0.85 0.00	45.70 0.41 0.00	46.56 -0.19 0.00	46.22 -0.33 0.00	45.12 -0.92 0.00	45.27 -1.07 0.00	43.57 -1.44 0.00	46.12 -1.23 0.00	51.39 -1.05 0.00	60.28 -0.73 0.00	73.90 0.15 0.00	70.80 -0.21 0.00	64.76 0.13 0.00	54.10 0.05 0.00	47.41 -0.05 0.00	44.72 0.00 0.00
BLISS_WT_PWR 323608	22.54 -4.68 14.54	20.12 -4.57 11.00	18.00 -4.49 10.03	17.48 -4.27 9.63	17.76 -4.42 9.85	18.71 -4.37 10.29	19.97 -5.53 13.74	23.42 -5.92 13.88	25.37 -5.74 13.72	25.77 -5.71 13.82	26.02 -6.22 14.51	26.35 -6.10 14.10	25.93 -6.17 13.94	26.19 -6.12 14.03	25.87 -5.49 13.65	27.27 -5.97 14.12	28.40 -6.97 17.07	33.39 -7.87 19.75	37.78 -9.37 26.60	40.11 -8.10 22.81	39.37 -7.50 17.77	34.86 -5.89 13.30	30.79 -5.41 11.25	28.54 -5.23 10.95
BLUESTONE___WT_PWR 323821	44.99 1.42 -1.82	38.96 1.32 -1.95	35.50 1.20 -1.78	34.25 1.16 -1.71	34.93 1.15 -1.75	36.46 1.27 -1.82	41.18 0.24 -1.70	45.80 0.43 -2.15	47.72 0.45 -2.44	47.98 0.23 -2.46	49.10 -0.09 -2.45	48.92 -0.14 -2.51	48.16 -0.37 -2.49	48.49 -0.42 -2.57	47.22 -0.54 -2.75	49.32 -0.28 -2.25	55.12 -0.10 -2.79	63.90 0.43 -2.46	80.30 1.25 -5.29	76.26 0.92 -4.33	69.50 0.97 -3.90	57.45 0.81 -2.59	50.46 0.57 -2.44	46.97 0.54 -1.71
BLUE_CIRC_CHEM_DRP 24182	42.96 1.21 0.00	36.90 1.21 0.00	33.66 1.14 0.00	32.48 1.10 0.00	33.15 1.12 0.00	34.50 1.13 0.00	40.49 1.26 0.00	44.74 1.47 -0.05	46.26 1.43 0.00	46.74 1.45 0.00	48.24 1.50 0.00	47.94 1.40 0.00	47.33 1.29 0.00	48.03 1.34 -0.34	47.93 1.26 -1.66	50.62 1.28 -1.98	56.22 1.42 -2.37	64.67 1.89 -1.77	76.19 2.43 0.00	76.04 2.63 -2.40	78.46 2.26 -11.56	61.30 1.95 -5.30	53.82 1.66 -4.71	46.94 1.57 -0.66
BOC_GAS_DRP 24189	42.63 0.88 0.00	36.62 0.93 0.00	33.40 0.88 0.00	32.23 0.85 0.00	32.90 0.86 0.00	34.23 0.87 0.00	40.22 0.98 0.00	44.48 1.21 -0.05	46.04 1.21 0.00	46.51 1.22 0.00	48.05 1.31 0.00	47.85 1.30 0.00	47.38 1.34 0.00	47.92 1.39 -0.19	47.24 1.31 -0.93	49.79 1.33 -1.11	55.23 1.47 -1.33	62.72 1.77 0.06	75.20 2.14 0.69	74.65 2.06 -1.58	77.32 1.75 -10.94	60.58 1.51 -5.02	53.24 1.33 -4.46	46.55 1.21 -0.62
BOONVILLE_115KV_TB1 79983	42.25 0.50 0.00	36.05 0.36 0.00	32.81 0.29 0.00	31.66 0.28 0.00	32.22 0.19 0.00	33.60 0.23 0.00	39.59 0.35 0.00	43.65 0.43 0.00	45.14 0.31 0.00	45.43 0.14 0.00	46.60 -0.14 0.00	46.40 -0.14 0.00	45.63 -0.41 0.00	45.87 -0.46 0.00	44.38 -0.63 0.00	46.79 -0.57 0.00	52.02 -0.42 0.00	60.77 -0.24 0.00	73.97 0.22 0.00	70.94 -0.07 0.00	64.70 0.06 0.00	54.05 0.00 0.00	47.41 -0.05 0.00	44.68 -0.04 0.00
BORALEX_4TH_BRANCH 23824	43.72 1.96 0.00	37.58 1.89 0.00	34.40 1.89 0.00	33.23 1.85 0.00	33.86 1.83 0.00	35.30 1.94 0.00	41.44 2.20 0.00	45.89 2.59 -0.08	47.29 2.47 0.00	47.74 2.45 0.00	49.13 2.38 0.00	48.82 2.28 0.00	48.25 2.21 0.00	49.55 2.32 -0.89	51.37 2.03 -4.33	54.46 1.94 -5.17	60.68 2.15 -6.10	69.30 2.50 -5.79	77.69 3.10 -0.84	79.89 3.05 -5.82	84.91 2.84 -17.44	64.81 2.76 -8.00	57.16 2.61 -7.10	47.90 2.19 -0.99
BOWLINE___1 23526	43.57 1.88 0.07	37.47 1.78 0.00	34.11 1.59 0.00	32.98 1.60 0.00	33.70 1.66 0.00	35.00 1.63 0.00	41.25 2.08 0.06	45.85 2.64 0.01	47.78 2.96 0.00	48.51 3.22 0.00	50.47 3.74 0.01	50.50 3.95 0.00	50.09 4.05 0.00	51.55 4.17 -1.04	54.26 4.23 -5.02	60.66 4.55 -8.75	73.29 5.03 -15.82	93.13 6.04 -26.08	92.71 7.23 -11.73	84.84 6.75 -7.08	75.21 5.62 -4.96	60.56 4.22 -2.30	53.24 3.75 -2.04	48.60 3.62 -0.26
BOWLINE___2 23595	43.57 1.88 0.07	37.47 1.78 0.00	34.11 1.59 0.00	32.98 1.60 0.00	33.70 1.66 0.00	34.97 1.60 0.00	41.25 2.08 0.06	45.81 2.59 0.01	47.74 2.91 0.00	48.51 3.22 0.00	50.43 3.69 0.01	50.45 3.91 0.00	50.04 4.00 0.00	51.50 4.12 -1.04	54.22 4.19 -5.02	60.64 4.55 -8.74	73.25 5.03 -15.78	93.13 6.04 -26.08	92.63 7.15 -11.73	84.84 6.75 -7.08	75.15 5.56 -4.96	60.56 4.22 -2.30	53.24 3.75 -2.04	48.60 3.62 -0.26
BRADY___115KV_TB2 356060	42.00 0.25 0.00	35.73 0.04 0.00	32.52 0.00 0.00	31.38 0.00 0.00	31.93 -0.10 0.00	33.37 0.00 0.00	39.28 0.04 0.00	43.18 -0.04 0.00	44.51 -0.31 0.00	44.79 -0.50 0.00	46.18 -0.56 0.00	45.99 -0.56 0.00	45.49 -0.55 0.00	45.55 -0.79 0.00	44.25 -0.77 0.00	46.36 -0.99 0.00	51.39 -1.05 0.00	59.55 -1.46 0.00	71.98 -1.77 0.00	69.38 -1.63 0.00	63.34 -1.29 0.00	52.97 -1.08 0.00	46.74 -0.71 0.00	44.27 -0.45 0.00
BRANSCOMB___SOLAR 323811	44.05 2.29 0.00	37.80 2.11 0.00	34.47 1.95 0.00	33.26 1.88 0.00	33.95 1.92 0.00	35.34 1.97 0.00	41.67 2.43 0.00	46.08 2.77 -0.09	47.56 2.73 0.00	48.10 2.81 0.00	49.60 2.85 0.00	49.01 2.47 0.00	48.30 2.26 0.00	49.05 2.18 -0.53	49.43 1.85 -2.58	51.80 1.37 -3.07	57.76 1.68 -3.65	66.02 2.50 -2.51	77.29 3.54 0.00	78.11 3.69 -3.41	89.83 3.81 -21.39	67.10 3.24 -9.81	58.96 2.80 -8.71	48.89 2.95 -1.22
BRDGHMPT_69_KV_BK1 55812	46.07 4.38 0.06	39.62 3.93 0.00	35.74 3.22 0.00	34.42 3.04 0.00	35.14 3.11 0.00	36.54 3.17 0.00	42.94 3.77 0.06	49.41 5.06 -1.14	50.31 5.47 -0.02	52.48 5.75 -1.43	53.23 6.12 -0.37	53.70 5.96 -1.20	58.58 6.08 -6.46	56.65 6.30 -4.01	56.35 6.26 -5.08	61.31 6.16 -7.80	71.36 6.24 -12.69	95.90 7.57 -27.33	95.07 8.92 -12.40	86.05 7.88 -7.15	75.81 6.08 -5.10	61.71 5.30 -2.37	54.11 4.56 -2.10	50.67 5.68 -0.27



BRENTWOD_69_KV_W. BRTWOOD 56703	45.53 3.84 0.06	39.08 3.39 0.00	35.31 2.80 0.00	34.11 2.73 0.00	34.88 2.85 0.00	36.34 2.97 0.00	42.83 3.65 0.06	49.02 4.67 -1.14	49.86 5.02 -0.02	52.02 5.30 -1.43	52.63 5.52 -0.37	53.37 5.63 -1.20	58.21 5.71 -6.46	56.09 5.75 -4.01	55.70 5.58 -5.11	60.82 5.64 -7.83	70.68 5.56 -12.69	94.99 6.65 -27.33	94.04 7.89 -12.40	85.48 7.31 -7.15	75.62 5.88 -5.10	61.66 5.24 -2.37	54.01 4.46 -2.10	50.44 5.46 -0.27
BRISTLHL_115KV_TB1 79998	40.79 -0.96 0.00	34.91 -0.79 0.00	31.80 -0.72 0.00	30.69 -0.69 0.00	31.39 -0.64 0.00	32.73 -0.63 0.00	38.41 -0.82 0.00	42.14 -1.08 0.00	43.80 -1.03 0.00	44.25 -1.04 0.00	45.53 -1.22 0.00	45.24 -1.30 0.00	44.70 -1.34 0.00	44.99 -1.34 0.00	43.75 -1.26 0.00	47.49 -1.23 -1.36	52.79 -1.36 -1.71	62.04 -1.46 -2.50	75.73 -1.70 -3.67	72.79 -1.56 -3.34	66.22 -1.42 -3.00	54.75 -1.14 -1.84	47.45 -1.14 -1.14	43.56 -1.16 0.00
BROOKHAVEN___DRP 24191	45.57 3.88 0.06	39.12 3.43 0.00	35.38 2.86 0.00	34.14 2.76 0.00	34.88 2.85 0.00	36.34 2.97 0.00	42.79 3.61 0.06	49.02 4.67 -1.14	49.82 4.98 -0.02	51.93 5.21 -1.43	52.58 5.47 -0.37	53.05 5.31 -1.20	57.89 5.39 -6.46	55.86 5.51 -4.01	55.49 5.40 -5.08	60.36 5.21 -7.80	70.26 5.14 -12.69	94.62 6.28 -27.33	93.60 7.45 -12.40	84.77 6.60 -7.15	74.97 5.24 -5.10	61.01 4.59 -2.37	53.68 4.13 -2.10	50.27 5.28 -0.27
BROOKLYN_NAVY_YARD 23515	44.07 2.38 0.06	37.87 2.18 0.00	34.47 1.95 0.00	33.29 1.91 0.00	34.05 2.02 0.00	35.34 1.97 0.00	41.73 2.55 0.06	46.50 3.28 0.01	48.59 3.77 0.00	49.41 4.12 0.00	51.34 4.58 -0.01	52.86 4.80 -1.52	58.66 4.93 -7.69	61.59 5.01 -10.24	63.91 5.04 -13.86	81.93 5.44 -29.13	95.12 6.03 -36.65	97.97 7.20 -29.77	97.98 8.62 -15.60	90.92 8.16 -11.74	80.52 6.78 -9.10	61.67 5.24 -2.38	57.51 4.65 -5.41	49.47 4.47 -0.28
BROOKLYN___ARMY_DRP 323595	44.49 2.80 0.06	38.15 2.46 0.00	34.79 2.28 0.00	33.61 2.23 0.00	34.37 2.34 0.00	35.54 2.17 0.00	41.92 2.75 0.06	46.72 3.50 0.01	48.82 3.99 0.00	49.68 4.39 0.00	51.81 5.05 -0.01	53.20 5.12 -1.54	58.93 5.11 -7.78	61.92 5.24 -10.35	64.15 5.18 -13.96	82.32 5.59 -29.37	95.49 6.13 -36.92	98.19 7.38 -29.79	98.17 8.78 -15.64	91.19 8.38 -11.79	80.69 6.92 -9.14	62.11 5.68 -2.38	57.84 4.94 -5.45	49.83 4.83 -0.28
BROOME_2_LFGE 323671	43.34 -0.04 -1.63	37.65 0.07 -1.89	34.30 0.07 -1.72	33.09 0.06 -1.65	33.81 0.10 -1.68	35.26 0.13 -1.76	40.81 0.04 -1.53	45.29 0.04 -2.02	47.42 0.23 -2.37	47.86 0.18 -2.38	49.19 0.09 -2.35	49.06 0.09 -2.43	48.53 0.09 -2.40	48.90 0.09 -2.47	47.79 0.18 -2.60	49.66 0.29 -2.02	55.22 0.26 -2.53	63.60 0.43 -2.16	79.66 0.66 -5.25	75.86 0.71 -4.13	67.98 0.65 -2.70	56.61 0.54 -2.02	49.70 0.29 -1.96	46.47 0.18 -1.57
BROOME___LFGE 323600	43.34 -0.04 -1.63	37.65 0.07 -1.89	34.30 0.07 -1.72	33.09 0.06 -1.65	33.81 0.10 -1.68	35.26 0.13 -1.76	40.81 0.04 -1.53	45.29 0.04 -2.02	47.42 0.23 -2.37	47.86 0.18 -2.38	49.19 0.09 -2.35	49.06 0.09 -2.43	48.53 0.09 -2.40	48.90 0.09 -2.47	47.79 0.18 -2.60	49.66 0.29 -2.02	55.22 0.26 -2.53	63.60 0.43 -2.16	79.66 0.66 -5.25	75.86 0.71 -4.13	67.98 0.65 -2.70	56.61 0.54 -2.02	49.70 0.29 -1.96	46.47 0.18 -1.57
BROWNFLS_115KV_TB_3_5 80003	41.59 -0.17 0.00	35.37 -0.32 0.00	32.16 -0.36 0.00	31.03 -0.35 0.00	31.55 -0.48 0.00	32.93 -0.43 0.00	38.81 -0.43 0.00	42.75 -0.48 0.00	44.15 -0.67 0.00	44.34 -0.95 0.00	45.48 -1.26 0.00	45.29 -1.26 0.00	44.57 -1.47 0.00	44.58 -1.76 0.00	43.07 -1.94 0.00	45.22 -2.13 0.00	50.23 -2.20 0.00	58.51 -2.50 0.00	71.10 -2.66 0.00	68.32 -2.70 0.00	62.37 -2.26 0.00	52.16 -1.89 0.00	45.93 -1.52 0.00	43.42 -1.30 0.00
BROWNSV1_27_KV_LOAD 356125	44.45 2.76 0.06	38.15 2.46 0.00	34.76 2.24 0.00	33.61 2.23 0.00	34.37 2.34 0.00	35.67 2.30 0.00	42.08 2.90 0.06	46.93 3.72 0.01	48.99 4.17 0.00	49.82 4.53 0.00	51.85 5.10 -0.01	53.42 5.35 -1.52	59.17 5.43 -7.69	62.14 5.56 -10.24	64.45 5.58 -13.86	82.50 6.01 -29.13	95.75 6.66 -36.65	98.71 7.93 -29.77	98.94 9.59 -15.60	91.85 9.09 -11.74	81.36 7.63 -9.10	62.38 5.95 -2.38	57.99 5.12 -5.41	49.87 4.87 -0.28
BURROWS___LYONSDAL 23803	42.09 0.33 0.00	35.87 0.18 0.00	32.62 0.10 0.00	31.47 0.09 0.00	32.03 0.00 0.00	33.37 0.00 0.00	39.32 0.08 0.00	43.35 0.13 0.00	44.83 0.00 0.00	45.06 -0.23 0.00	46.23 -0.51 0.00	45.99 -0.56 0.00	45.21 -0.83 0.00	45.46 -0.88 0.00	43.93 -1.08 0.00	46.31 -1.04 0.00	51.49 -0.94 0.00	60.16 -0.85 0.00	73.31 -0.44 0.00	70.30 -0.71 0.00	64.12 -0.52 0.00	53.56 -0.49 0.00	46.98 -0.47 0.00	44.32 -0.40 0.00
CAITHNESS_CC_1 323624	44.99 3.30 0.06	38.65 2.96 0.00	34.96 2.44 0.00	33.73 2.35 0.00	34.46 2.43 0.00	35.90 2.53 0.00	42.32 3.14 0.06	48.68 4.32 -1.14	49.64 4.80 -0.02	51.80 5.07 -1.43	52.44 5.33 -0.37	52.95 5.21 -1.20	57.79 5.29 -6.46	55.77 5.42 -4.01	55.40 5.31 -5.08	60.31 5.16 -7.80	70.21 5.08 -12.69	94.56 6.23 -27.33	93.52 7.37 -12.40	84.48 6.32 -7.15	74.84 5.10 -5.10	60.85 4.43 -2.37	53.49 3.94 -2.10	50.13 5.14 -0.27
CALPINE BETH_PAGE_GT4 24209	45.03 3.34 0.06	38.65 2.96 0.00	35.02 2.50 0.00	33.83 2.45 0.00	34.56 2.53 0.00	36.00 2.64 0.00	42.43 3.26 0.06	48.42 4.06 -1.14	49.28 4.44 -0.02	51.43 4.71 -1.43	52.21 5.10 -0.37	53.05 5.31 -1.20	57.89 5.39 -6.46	55.82 5.47 -4.01	55.49 5.40 -5.08	60.50 5.35 -7.79	70.68 5.56 -12.69	95.18 6.83 -27.34	94.34 8.19 -12.40	85.48 7.31 -7.15	75.68 5.95 -5.10	61.39 4.97 -2.37	53.82 4.27 -2.10	50.00 5.01 -0.27
CALPINE_BETH_PAGE_GT_4 323586	44.78 3.09 0.06	38.44 2.75 0.00	34.83 2.31 0.00	33.64 2.26 0.00	34.37 2.34 0.00	35.77 2.40 0.00	42.24 3.06 0.06	48.33 3.97 -1.14	49.24 4.40 -0.02	51.43 4.71 -1.43	52.21 5.10 -0.37	53.05 5.30 -1.20	57.89 5.38 -6.46	55.81 5.47 -4.01	55.49 5.40 -5.08	60.50 5.35 -7.79	70.68 5.56 -12.69	95.24 6.89 -27.34	94.34 8.19 -12.40	85.41 7.25 -7.15	75.62 5.88 -5.10	61.22 4.81 -2.37	53.77 4.22 -2.10	49.95 4.96 -0.27
CALPINE_BP_GT1 23823	44.78 3.09 0.06	38.44 2.75 0.00	34.83 2.31 0.00	33.64 2.26 0.00	34.37 2.34 0.00	35.77 2.40 0.00	42.24 3.06 0.06	48.33 3.97 -1.14	49.24 4.40 -0.02	51.43 4.71 -1.43	52.21 5.10 -0.37	53.05 5.30 -1.20	57.89 5.38 -6.46	55.81 5.47 -4.01	55.49 5.40 -5.08	60.50 5.35 -7.79	70.68 5.56 -12.69	95.24 6.89 -27.34	94.34 8.19 -12.40	85.41 7.25 -7.15	75.62 5.88 -5.10	61.22 4.81 -2.37	53.77 4.22 -2.10	49.95 4.96 -0.27
CALSPAN___DRP 24200	21.53 -4.59 15.63	19.73 -3.96 12.00	17.98 -3.61 10.93	17.46 -3.42 10.50	17.87 -3.49 10.67	18.55 -3.60 11.21	20.00 -4.39 14.84	23.26 -4.88 15.07	25.17 -4.71 14.95	25.52 -4.71 15.06	25.76 -5.19 15.79	26.07 -5.21 15.26	25.75 -5.20 15.09	25.90 -5.14 15.30	24.91 -5.22 14.88	26.97 -5.11 15.27	28.25 -5.72 18.47	31.87 -7.08 22.06	36.25 -8.11 29.39	38.17 -7.67 25.17	38.12 -6.98 19.54	33.71 -5.62 14.72	29.93 -5.03 12.49	27.66 -4.92 12.14

CALVERTON___SOLAR 323806	45.24 3.55 0.06	38.87 3.18 0.00	35.12 2.60 0.00	33.89 2.51 0.00	34.62 2.59 0.00	36.04 2.67 0.00	42.51 3.33 0.06	48.89 4.54 -1.14	49.91 5.06 -0.02	52.07 5.34 -1.43	52.72 5.61 -0.37	53.14 5.40 -1.20	57.98 5.48 -6.46	56.00 5.65 -4.01	55.62 5.53 -5.08	60.50 5.35 -7.80	70.42 5.29 -12.69	94.87 6.53 -27.33	93.89 7.74 -12.40	84.77 6.61 -7.15	75.04 5.30 -5.10	61.01 4.59 -2.37	53.68 4.13 -2.10	50.35 5.36 -0.27
CANDIGU_WT_PWR 323617	-18.98 -2.17 58.56	-6.00 -1.71 39.98	-6.00 -1.59 36.93	-6.00 -1.66 35.72	-16.35 -1.63 46.75	-6.00 -1.60 37.77	-6.00 -2.08 43.16	-6.00 -2.46 46.76	-6.00 -2.28 48.54	-6.00 -2.45 48.84	-6.00 -2.76 49.99	-23.54 -2.79 67.30	-23.23 -2.72 66.55	-6.00 -2.73 49.60	-6.00 -2.56 48.45	-6.00 -2.75 50.61	-6.00 -3.04 55.39	-6.00 -3.72 63.29	-6.00 -3.98 75.77	-6.00 -3.55 73.47	-6.00 -3.10 67.53	-6.00 -2.43 57.62	-6.00 -2.47 50.98	-6.00 -2.46 48.26
CARR STREET_E_SYR 24060	41.04 -0.71 0.00	35.12 -0.57 0.00	32.00 -0.52 0.00	30.88 -0.50 0.00	31.55 -0.48 0.00	32.93 -0.43 0.00	38.61 -0.63 0.00	42.44 -0.78 0.00	44.15 -0.67 0.00	44.61 -0.68 0.00	45.95 -0.79 0.00	45.66 -0.89 0.00	45.12 -0.92 0.00	45.41 -0.93 0.00	44.20 -0.81 0.00	45.81 -0.76 0.79	50.50 -0.94 0.99	58.62 -0.91 1.48	70.55 -1.03 2.17	68.11 -0.93 1.98	62.01 -0.84 1.78	52.32 -0.65 1.09	46.07 -0.71 0.68	43.92 -0.80 0.00
CARTHAGE___PAPER 23857	42.42 0.67 0.00	36.08 0.39 0.00	32.81 0.29 0.00	31.69 0.31 0.00	32.19 0.16 0.00	33.60 0.24 0.00	39.63 0.39 0.00	43.70 0.48 0.00	45.05 0.23 0.00	45.11 -0.18 0.00	46.09 -0.65 0.00	45.75 -0.79 0.00	44.80 -1.24 0.00	44.95 -1.39 0.00	43.35 -1.66 0.00	45.70 -1.66 0.00	50.91 -1.52 0.00	59.67 -1.34 0.00	72.94 -0.81 0.00	69.95 -1.06 0.00	63.99 -0.65 0.00	53.46 -0.59 0.00	46.89 -0.57 0.00	44.23 -0.49 0.00
CASSADAGA_WT_PWR 323784	21.22 -5.30 15.23	19.20 -4.89 11.60	17.46 -4.49 10.57	17.02 -4.20 10.15	17.10 -4.55 10.39	17.82 -4.70 10.84	19.12 -5.73 14.38	22.52 -6.09 14.60	24.38 -5.96 14.48	24.82 -5.89 14.58	24.95 -6.50 15.29	25.29 -6.37 14.88	24.97 -6.35 14.72	25.04 -6.49 14.81	24.75 -5.85 14.41	26.47 -6.06 14.82	27.64 -6.92 17.88	32.51 -7.93 20.57	37.04 -9.00 27.71	39.28 -7.95 23.78	39.09 -6.98 18.56	34.56 -5.51 13.98	30.62 -4.98 11.85	28.28 -4.92 11.52
CE_DUNWOOD___DRP 24194	43.90 2.21 0.06	37.73 2.03 0.00	34.37 1.85 0.00	33.20 1.82 0.00	33.95 1.92 0.00	35.27 1.90 0.00	41.57 2.39 0.06	46.24 3.03 0.01	48.19 3.36 0.00	48.96 3.67 0.00	50.94 4.21 0.01	50.97 4.42 0.00	50.55 4.51 0.00	52.02 4.63 -1.05	54.76 4.68 -5.07	60.28 5.02 -7.91	71.05 5.56 -13.05	94.84 6.59 -27.24	94.07 7.97 -12.35	85.69 7.53 -7.14	75.94 6.20 -5.10	61.22 4.81 -2.36	53.68 4.13 -2.09	48.97 3.98 -0.27
CE_MILLWOOD___DRP 24193	43.82 2.13 0.06	37.65 1.96 0.00	34.31 1.79 0.00	33.14 1.76 0.00	33.89 1.86 0.00	35.20 1.84 0.00	41.49 2.32 0.06	46.11 2.90 0.01	48.10 3.27 0.00	48.82 3.53 0.00	50.80 4.07 0.01	50.83 4.28 0.00	50.37 4.33 0.00	51.83 4.45 -1.05	54.58 4.50 -5.06	60.19 4.78 -8.05	71.30 5.35 -13.52	94.44 6.35 -27.09	93.69 7.67 -12.27	85.39 7.24 -7.13	75.72 6.01 -5.08	61.05 4.65 -2.35	53.53 3.99 -2.09	48.83 3.85 -0.27
CE_NYC2_DRP 24202	44.19 2.51 0.06	37.98 2.28 0.00	34.66 2.15 0.00	33.48 2.10 0.00	34.24 2.21 0.00	35.44 2.07 0.00	41.81 2.63 0.06	46.59 3.37 0.01	48.68 3.86 0.00	49.50 4.21 0.00	51.57 4.81 -0.01	53.02 4.93 -1.54	58.79 4.97 -7.78	61.73 5.05 -10.35	64.06 5.09 -13.96	82.08 5.35 -29.37	95.28 5.93 -36.92	97.88 7.08 -29.79	97.80 8.41 -15.64	90.83 8.02 -11.79	80.43 6.66 -9.14	61.78 5.35 -2.38	57.50 4.60 -5.45	49.51 4.52 -0.28
CE_NYC_DRP 24195	44.15 2.46 0.06	37.94 2.25 0.00	34.57 2.05 0.00	33.42 2.04 0.00	34.18 2.15 0.00	35.47 2.10 0.00	41.84 2.67 0.06	46.59 3.37 0.01	48.68 3.86 0.00	49.50 4.21 0.00	51.53 4.77 -0.01	53.04 4.98 -1.52	58.78 5.06 -7.67	61.75 5.19 -10.22	64.07 5.22 -13.84	82.02 5.59 -29.08	95.21 6.19 -36.59	98.15 7.38 -29.76	98.20 8.85 -15.59	91.12 8.38 -11.73	80.70 6.98 -9.09	61.89 5.46 -2.38	57.55 4.70 -5.40	49.51 4.52 -0.28
CHAFFEE___LFGE 323603	22.08 -4.38 15.29	20.33 -3.71 11.65	18.52 -3.38 10.62	17.98 -3.20 10.19	18.27 -3.33 10.43	19.08 -3.40 10.89	20.48 -4.32 14.44	23.95 -4.62 14.65	25.87 -4.44 14.51	26.24 -4.44 14.62	26.50 -4.91 15.33	26.74 -4.89 14.92	26.36 -4.93 14.75	26.67 -4.82 14.85	26.43 -4.14 14.44	28.08 -4.40 14.87	29.18 -5.29 17.96	34.02 -6.28 20.71	38.44 -7.30 28.01	40.41 -6.60 24.01	39.89 -6.08 18.67	35.11 -4.92 14.02	30.97 -4.60 11.88	28.56 -4.61 11.55
CHATEAUG_35_KV_LOAD 355732	41.63 -0.13 0.00	35.41 -0.29 0.00	32.19 -0.33 0.00	31.00 -0.38 0.00	31.58 -0.45 0.00	32.97 -0.40 0.00	38.53 -0.71 0.00	42.27 -0.95 0.00	43.66 -1.17 0.00	43.98 -1.31 0.00	45.39 -1.36 0.00	45.29 -1.26 0.00	44.80 -1.24 0.00	45.04 -1.30 0.00	43.84 -1.17 0.00	46.03 -1.33 0.00	50.91 -1.52 0.00	59.00 -2.01 0.00	71.10 -2.66 0.00	68.53 -2.49 0.00	62.50 -2.13 0.00	52.27 -1.78 0.00	45.98 -1.47 0.00	43.42 -1.30 0.00
CHATEAUG_WT_PWR 323614	41.59 -0.17 0.00	35.33 -0.36 0.00	32.16 -0.36 0.00	30.97 -0.41 0.00	31.58 -0.45 0.00	32.93 -0.43 0.00	38.57 -0.67 0.00	42.31 -0.91 0.00	43.75 -1.08 0.00	44.07 -1.22 0.00	45.53 -1.22 0.00	45.43 -1.12 0.00	44.93 -1.11 0.00	45.23 -1.11 0.00	43.98 -1.03 0.00	46.08 -1.28 0.00	50.97 -1.47 0.00	59.00 -2.01 0.00	71.10 -2.65 0.00	68.53 -2.49 0.00	62.37 -2.26 0.00	52.21 -1.84 0.00	45.93 -1.52 0.00	43.42 -1.30 0.00
CHAT_HIGH_FALL_HYD 323578	41.63 -0.13 0.00	35.41 -0.29 0.00	32.19 -0.33 0.00	31.00 -0.38 0.00	31.58 -0.45 0.00	32.97 -0.40 0.00	38.53 -0.71 0.00	42.27 -0.95 0.00	43.66 -1.17 0.00	43.98 -1.31 0.00	45.39 -1.36 0.00	45.29 -1.26 0.00	44.80 -1.24 0.00	45.04 -1.30 0.00	43.84 -1.17 0.00	46.03 -1.33 0.00	50.91 -1.52 0.00	59.00 -2.01 0.00	71.10 -2.66 0.00	68.53 -2.49 0.00	62.50 -2.13 0.00	52.27 -1.78 0.00	45.98 -1.47 0.00	43.42 -1.30 0.00
CHAUTAUQUA___LFGE 323629	21.15 -4.84 15.76	19.46 -4.18 12.06	17.72 -3.80 10.99	17.24 -3.58 10.56	17.42 -3.81 10.80	18.16 -3.94 11.27	19.40 -4.95 14.89	22.75 -5.32 15.16	24.57 -5.20 15.06	24.96 -5.16 15.17	25.19 -5.66 15.89	25.53 -5.54 15.48	25.21 -5.53 15.31	25.42 -5.52 15.40	25.21 -4.82 14.98	26.93 -5.07 15.36	27.94 -5.98 18.52	32.75 -7.01 21.24	37.05 -8.04 28.67	39.24 -7.17 24.61	38.98 -6.46 19.19	34.37 -5.19 14.49	30.36 -4.79 12.30	28.02 -4.74 11.96
CHERRYST_13_KV_LD 356241	44.28 2.59 0.06	38.01 2.32 0.00	34.63 2.11 0.00	33.48 2.10 0.00	34.24 2.21 0.00	35.54 2.17 0.00	41.96 2.79 0.06	46.76 3.54 0.01	48.86 4.03 0.00	49.68 4.39 0.00	51.71 4.95 -0.01	53.27 5.21 -1.52	59.01 5.29 -7.67	61.98 5.42 -10.22	64.29 5.45 -13.84	82.26 5.82 -29.08	95.48 6.45 -36.59	98.46 7.69 -29.76	98.49 9.15 -15.59	91.41 8.66 -11.73	81.02 7.30 -9.09	62.11 5.68 -2.38	57.74 4.89 -5.40	49.69 4.70 -0.28

CHESTROR_138KV_BK263 355645	43.40 1.71 0.07	37.30 1.61 0.00	33.95 1.43 0.00	32.82 1.44 0.00	33.54 1.51 0.00	34.84 1.47 0.00	41.02 1.84 0.07	45.50 2.29 0.01	47.38 2.56 0.00	48.05 2.76 0.00	49.96 3.23 0.01	49.90 3.35 0.00	49.49 3.45 0.00	50.88 3.52 -1.02	53.54 3.60 -4.93	74.60 3.93 -23.32	118.42 4.40 -61.58	90.64 5.31 -24.32	90.89 6.34 -10.79	84.00 6.04 -6.95	74.36 4.98 -4.75	60.09 3.84 -2.20	52.68 3.27 -1.95	48.14 3.18 -0.25
CH_MIDHUDSON___DRP 24192	43.95 2.25 0.06	37.73 2.03 0.00	34.37 1.85 0.00	33.20 1.82 0.00	33.92 1.89 0.00	35.24 1.87 0.00	41.49 2.32 0.06	46.16 2.94 0.00	48.01 3.18 0.00	48.73 3.44 0.00	50.66 3.93 0.01	50.55 4.00 0.00	50.09 4.05 0.00	51.48 4.12 -1.02	54.23 4.28 -4.94	58.79 4.59 -6.84	67.63 5.09 -10.10	93.85 6.22 -26.61	93.24 7.45 -12.04	85.16 7.10 -7.04	76.16 6.01 -5.52	61.25 4.65 -2.55	53.70 3.99 -2.26	48.81 3.80 -0.29
CH_MISC_IPPS 23765	44.07 2.38 0.06	37.83 2.14 0.00	34.44 1.92 0.00	33.29 1.91 0.00	33.99 1.95 0.00	35.27 1.90 0.00	41.61 2.43 0.06	46.29 3.07 0.00	48.19 3.36 0.00	48.92 3.62 0.00	50.85 4.11 0.01	50.69 4.14 0.00	50.27 4.23 0.00	51.66 4.31 -1.02	54.38 4.46 -4.91	59.20 4.92 -6.92	68.25 5.45 -10.36	93.78 6.71 -26.06	93.63 8.11 -11.77	85.58 7.60 -6.96	76.42 6.46 -5.33	61.38 4.87 -2.46	53.91 4.27 -2.19	49.03 4.03 -0.28
CH_RES_BVR_FALLS 23983	41.59 -0.17 0.00	35.48 -0.21 0.00	32.29 -0.23 0.00	31.13 -0.25 0.00	31.74 -0.29 0.00	33.10 -0.27 0.00	38.88 -0.35 0.00	42.79 -0.43 0.00	44.38 -0.45 0.00	44.79 -0.50 0.00	46.23 -0.51 0.00	46.08 -0.47 0.00	45.58 -0.46 0.00	45.87 -0.46 0.00	44.52 -0.49 0.00	46.84 -0.52 0.00	51.86 -0.58 0.00	60.22 -0.79 0.00	72.79 -0.96 0.00	70.09 -0.93 0.00	63.79 -0.84 0.00	53.35 -0.70 0.00	46.89 -0.57 0.00	44.23 -0.49 0.00
CH_RES_NIAGARA 23895	23.29 -5.72 12.75	21.66 -4.89 9.14	19.77 -4.42 8.33	19.24 -4.14 8.00	19.67 -4.26 8.10	20.39 -4.44 8.54	21.67 -5.41 12.15	25.30 -6.01 11.92	27.47 -5.87 11.48	27.79 -5.93 11.56	28.03 -6.45 12.27	28.42 -6.47 11.66	28.02 -6.49 11.53	28.11 -6.49 11.75	27.06 -6.53 11.42	28.64 -6.49 12.23	30.27 -7.39 14.77	32.80 -8.85 19.36	37.19 -10.55 26.01	38.91 -10.30 21.81	39.07 -9.05 16.52	34.87 -7.30 11.88	31.08 -6.45 9.92	28.82 -6.22 9.68
CH_RES_SYRACUSE 23985	41.29 -0.46 0.00	35.33 -0.36 0.00	32.22 -0.29 0.00	31.07 -0.31 0.00	31.77 -0.26 0.00	33.17 -0.20 0.00	38.85 -0.39 0.00	42.70 -0.52 0.00	44.42 -0.40 0.00	44.88 -0.41 0.00	46.19 -0.56 0.00	45.85 -0.70 0.00	45.35 -0.69 0.00	45.64 -0.69 0.00	44.38 -0.63 0.00	46.79 -0.57 0.00	51.75 -0.68 0.00	61.48 -0.61 -1.08	76.77 -0.59 -3.61	72.87 -0.42 -2.28	64.25 -0.39 0.00	53.78 -0.27 0.00	47.03 -0.43 0.00	44.38 -0.49 -0.15
CLINTON_WT_PWR 323605	41.59 -0.17 0.00	35.33 -0.36 0.00	32.16 -0.36 0.00	30.97 -0.41 0.00	31.58 -0.45 0.00	32.93 -0.43 0.00	38.57 -0.67 0.00	42.31 -0.91 0.00	43.75 -1.08 0.00	44.07 -1.22 0.00	45.53 -1.22 0.00	45.43 -1.12 0.00	44.93 -1.11 0.00	45.23 -1.11 0.00	43.98 -1.03 0.00	46.08 -1.28 0.00	50.97 -1.47 0.00	59.00 -2.01 0.00	71.10 -2.65 0.00	68.53 -2.49 0.00	62.37 -2.26 0.00	52.21 -1.84 0.00	45.93 -1.52 0.00	43.42 -1.30 0.00
CLINTON___LFGE 323618	42.09 0.33 0.00	35.76 0.07 0.00	32.52 0.00 0.00	31.35 -0.03 0.00	31.94 -0.10 0.00	33.33 -0.03 0.00	39.00 -0.23 0.00	42.79 -0.43 0.00	44.24 -0.58 0.00	44.56 -0.73 0.00	46.00 -0.75 0.00	45.94 -0.61 0.00	45.49 -0.55 0.00	45.73 -0.60 0.00	44.47 -0.54 0.00	46.55 -0.81 0.00	51.59 -0.84 0.00	59.73 -1.28 0.00	71.91 -1.84 0.00	69.38 -1.63 0.00	63.15 -1.48 0.00	52.81 -1.24 0.00	46.41 -1.04 0.00	43.92 -0.80 0.00
COBBLENY_34_KV_TB1 80064	22.44 -4.38 14.93	20.52 -3.78 11.39	18.69 -3.45 10.38	18.15 -3.26 9.97	18.57 -3.33 10.13	19.28 -3.44 10.65	20.87 -4.20 14.17	24.25 -4.62 14.35	26.19 -4.44 14.20	26.59 -4.39 14.30	26.82 -4.91 15.01	27.16 -4.89 14.49	26.78 -4.93 14.33	26.99 -4.82 14.53	25.97 -4.91 14.13	28.06 -4.74 14.56	29.52 -5.30 17.62	33.32 -6.59 21.10	38.22 -7.52 28.01	39.91 -7.10 24.01	39.44 -6.53 18.67	34.78 -5.24 14.02	30.87 -4.70 11.88	28.56 -4.61 11.55
COFFEEN___115KV_TB3 355620	42.92 1.17 0.00	36.65 0.96 0.00	33.33 0.81 0.00	32.23 0.85 0.00	32.77 0.74 0.00	34.23 0.87 0.00	40.41 1.18 0.00	44.52 1.30 0.00	45.90 1.08 0.00	45.88 0.59 0.00	46.74 0.00 0.00	46.36 -0.19 0.00	45.26 -0.78 0.00	45.37 -0.97 0.00	43.70 -1.31 0.00	46.27 -1.09 0.00	51.60 -0.84 0.00	60.52 -0.49 0.00	74.27 0.52 0.00	71.16 0.14 0.00	65.09 0.45 0.00	54.43 0.38 0.00	47.69 0.24 0.00	44.90 0.18 0.00
COLDSPRG_115KV_BK1 355956	23.77 -3.92 14.06	21.48 -3.57 10.64	19.57 -3.25 9.70	19.02 -3.04 9.31	19.32 -3.24 9.47	20.12 -3.30 9.95	21.93 -3.96 13.35	25.47 -4.28 13.47	27.46 -4.08 13.29	27.88 -4.03 13.38	28.19 -4.49 14.06	28.56 -4.42 13.57	28.20 -4.42 13.42	28.39 -4.36 13.59	27.47 -4.32 13.22	29.60 -4.07 13.68	31.37 -4.51 16.56	35.59 -5.55 19.87	41.28 -6.27 26.20	42.92 -5.61 22.49	41.96 -5.11 17.57	36.84 -4.05 13.16	32.67 -3.65 11.13	30.27 -3.62 10.83
COLONIE_LFGE___ 323577	43.38 1.63 0.00	37.22 1.53 0.00	34.01 1.50 0.00	32.82 1.44 0.00	33.51 1.47 0.00	34.87 1.50 0.00	41.04 1.81 0.00	45.38 2.07 -0.09	46.85 2.02 0.00	47.33 2.04 0.00	48.85 2.11 0.00	48.45 1.91 0.00	47.88 1.84 0.00	48.89 1.90 -0.66	49.80 1.62 -3.17	52.70 1.56 -3.79	58.68 1.78 -4.46	66.40 2.32 -3.07	76.71 2.95 0.00	78.10 2.91 -4.17	86.82 2.84 -19.35	65.42 2.49 -8.88	57.56 2.23 -7.88	47.84 2.01 -1.10
COOPERNY_115KV_TB1 80082	42.88 1.21 0.08	36.83 1.14 0.00	33.56 1.04 0.00	32.41 1.04 0.00	33.12 1.09 0.00	34.43 1.07 0.00	40.50 1.33 0.08	44.89 1.69 0.02	46.71 1.88 0.00	47.33 2.04 0.00	49.02 2.29 0.01	48.96 2.42 0.00	48.53 2.49 0.00	49.05 2.50 -0.21	48.61 2.57 -1.03	50.07 2.75 0.03	53.07 3.09 2.46	78.53 3.78 -13.74	85.45 4.57 -7.13	76.75 4.26 -1.48	72.10 3.55 -3.91	58.63 2.76 -1.82	51.39 2.33 -1.62	47.20 2.28 -0.19
COPENHAGEN_WT_PWR 323753	42.59 0.83 0.00	36.33 0.64 0.00	33.04 0.52 0.00	31.94 0.57 0.00	32.48 0.45 0.00	33.93 0.57 0.00	39.98 0.74 0.00	44.08 0.86 0.00	45.50 0.67 0.00	45.56 0.27 0.00	46.47 -0.28 0.00	46.12 -0.42 0.00	45.07 -0.97 0.00	45.23 -1.11 0.00	43.61 -1.40 0.00	46.12 -1.23 0.00	51.39 -1.05 0.00	60.22 -0.79 0.00	73.68 -0.07 0.00	70.66 -0.35 0.00	64.63 0.00 0.00	54.00 -0.05 0.00	47.31 -0.14 0.00	44.59 -0.13 0.00
CORNELL_____ 23752	46.37 0.25 -4.37	40.40 0.29 -4.42	36.83 0.29 -4.02	35.49 0.25 -3.86	36.20 0.32 -3.84	37.90 0.40 -4.13	43.82 0.35 -4.22	48.51 0.26 -5.03	50.75 0.36 -5.56	51.07 0.18 -5.60	52.34 -0.05 -5.64	51.94 -0.14 -5.54	51.33 -0.18 -5.47	51.88 -0.19 -5.72	50.49 -0.23 -5.70	52.04 -0.09 -4.78	58.48 0.05 -6.00	68.54 0.31 -7.23	87.70 0.81 -13.14	82.17 0.92 -10.23	70.87 0.90 -5.34	59.38 0.81 -4.52	52.13 0.47 -4.20	49.18 0.31 -4.15

CORONA__69_KV_TB1 355595	44.78 3.09 0.06	38.44 2.75 0.00	34.86 2.34 0.00	33.67 2.29 0.00	34.43 2.40 0.00	35.80 2.44 0.00	42.24 3.06 0.06	48.25 3.89 -1.14	49.15 4.30 -0.02	51.30 4.57 -1.43	52.16 5.05 -0.37	53.00 5.26 -1.20	57.84 5.34 -6.46	55.82 5.47 -4.01	55.49 5.40 -5.07	60.73 5.59 -7.79	71.05 5.93 -12.69	95.64 7.26 -27.37	94.89 8.70 -12.44	86.12 7.95 -7.15	76.20 6.46 -5.11	61.77 5.35 -2.37	54.01 4.46 -2.10	49.95 4.96 -0.27
CORTLAND__115KV_TB3 80093	43.26 0.08 -1.43	37.32 0.11 -1.52	34.03 0.13 -1.38	32.80 0.09 -1.33	33.50 0.16 -1.31	34.99 0.20 -1.42	40.79 0.16 -1.40	45.06 0.13 -1.71	46.96 0.22 -1.91	47.36 0.14 -1.93	48.63 -0.05 -1.93	48.33 -0.09 -1.88	47.76 -0.14 -1.86	48.16 -0.14 -1.96	46.73 -0.18 -1.90	48.61 -0.05 -1.31	54.09 0.00 -1.66	63.38 0.18 -2.19	78.83 0.52 -4.56	74.84 0.57 -3.26	66.91 0.52 -1.76	55.98 0.49 -1.44	49.18 0.28 -1.44	46.32 0.13 -1.46
COXSACKIE__GT 23611	44.30 2.55 0.00	37.94 2.25 0.00	34.60 2.08 0.00	33.39 2.01 0.00	34.05 2.02 0.00	35.30 1.93 0.00	41.59 2.35 0.00	45.47 2.20 -0.05	47.29 2.46 0.00	47.56 2.26 0.00	49.03 2.29 0.00	48.45 1.91 0.00	47.93 1.89 0.00	49.02 2.18 -0.50	49.61 2.16 -2.43	52.77 2.51 -2.91	59.06 3.15 -3.48	71.56 4.63 -5.91	81.73 6.05 -1.93	80.20 5.82 -3.36	80.89 5.04 -11.22	62.98 3.78 -5.15	55.20 3.18 -4.57	48.13 2.77 -0.64
CPV_VALLEY__CC1 323721	43.06 1.38 0.07	37.01 1.32 0.00	33.72 1.20 0.00	32.57 1.19 0.00	33.28 1.25 0.00	34.57 1.20 0.00	40.74 1.57 0.07	45.16 1.95 0.01	47.02 2.20 0.00	47.69 2.40 0.00	49.54 2.80 0.01	49.53 2.98 0.00	49.08 3.04 0.00	49.64 3.11 -0.20	49.13 3.15 -0.97	50.80 3.41 -0.03	54.13 3.83 2.13	83.58 4.63 -17.94	88.80 5.53 -9.51	77.59 5.18 -1.39	73.33 4.26 -4.43	59.29 3.19 -2.06	52.12 2.85 -1.82	47.67 2.73 -0.23
CPV_VALLEY__CC2 323722	43.06 1.38 0.07	37.01 1.32 0.00	33.72 1.20 0.00	32.57 1.19 0.00	33.28 1.25 0.00	34.57 1.20 0.00	40.74 1.57 0.07	45.16 1.95 0.01	47.02 2.20 0.00	47.69 2.40 0.00	49.54 2.80 0.01	49.53 2.98 0.00	49.08 3.04 0.00	49.64 3.11 -0.20	49.13 3.15 -0.97	50.80 3.41 -0.03	54.13 3.83 2.13	83.58 4.63 -17.94	88.80 5.53 -9.51	77.59 5.18 -1.39	73.33 4.26 -4.43	59.29 3.19 -2.06	52.12 2.85 -1.82	47.67 2.73 -0.23
CRESCENT__HYD 24018	43.38 1.63 0.00	37.22 1.53 0.00	34.01 1.50 0.00	32.82 1.44 0.00	33.51 1.47 0.00	34.87 1.50 0.00	41.04 1.81 0.00	45.38 2.07 -0.09	46.85 2.02 0.00	47.33 2.04 0.00	48.85 2.11 0.00	48.45 1.91 0.00	47.88 1.84 0.00	48.89 1.90 -0.66	49.80 1.62 -3.17	52.70 1.56 -3.79	58.68 1.78 -4.46	66.40 2.32 -3.07	76.71 2.95 0.00	78.10 2.91 -4.17	86.82 2.84 -19.35	65.42 2.49 -8.88	57.56 2.23 -7.88	47.84 2.01 -1.10
CRICKET__VALLEY_CC1 323756	43.36 1.67 0.06	37.30 1.61 0.00	33.98 1.46 0.00	32.85 1.48 0.00	33.57 1.54 0.00	34.87 1.50 0.00	41.10 1.92 0.06	45.64 2.42 0.00	47.52 2.69 0.00	48.23 2.94 0.00	50.05 3.32 0.01	50.04 3.49 0.00	49.63 3.59 0.00	51.02 3.62 -1.07	53.81 3.64 -5.16	58.24 3.88 -7.01	66.77 4.30 -10.03	95.43 5.13 -29.29	93.32 6.12 -13.45	84.03 5.75 -7.26	74.76 4.78 -5.34	60.20 3.68 -2.47	52.92 3.27 -2.19	48.13 3.13 -0.28
CRICKET__VALLEY_CC2 323757	43.36 1.67 0.06	37.30 1.61 0.00	33.98 1.46 0.00	32.85 1.48 0.00	33.57 1.54 0.00	34.87 1.50 0.00	41.10 1.92 0.06	45.64 2.42 0.00	47.52 2.69 0.00	48.23 2.94 0.00	50.05 3.32 0.01	50.04 3.49 0.00	49.63 3.59 0.00	51.02 3.62 -1.07	53.81 3.64 -5.16	58.24 3.88 -7.01	66.77 4.30 -10.03	95.43 5.13 -29.29	93.32 6.12 -13.45	84.03 5.75 -7.26	74.76 4.78 -5.34	60.20 3.68 -2.47	52.92 3.27 -2.19	48.13 3.13 -0.28
CRICKET__VALLEY_CC3 323758	43.36 1.67 0.06	37.30 1.61 0.00	33.98 1.46 0.00	32.85 1.48 0.00	33.57 1.54 0.00	34.87 1.50 0.00	41.10 1.92 0.06	45.64 2.42 0.00	47.52 2.69 0.00	48.23 2.94 0.00	50.05 3.32 0.01	50.04 3.49 0.00	49.63 3.59 0.00	51.02 3.62 -1.07	53.81 3.64 -5.16	58.24 3.88 -7.01	66.77 4.30 -10.03	95.43 5.13 -29.29	93.32 6.12 -13.45	84.03 5.75 -7.26	74.76 4.78 -5.34	60.20 3.68 -2.47	52.92 3.27 -2.19	48.13 3.13 -0.28
CRUCIBLE__METL_DRP 24180	41.29 -0.46 0.00	35.33 -0.36 0.00	32.19 -0.33 0.00	31.07 -0.31 0.00	31.77 -0.26 0.00	33.13 -0.23 0.00	38.88 -0.35 0.00	42.66 -0.56 0.00	44.42 -0.40 0.00	44.88 -0.41 0.00	46.18 -0.56 0.00	45.85 -0.70 0.00	45.35 -0.69 0.00	45.64 -0.70 0.00	44.34 -0.68 0.00	46.74 -0.62 0.00	51.75 -0.68 0.00	61.48 -0.61 -1.08	76.77 -0.59 -3.61	72.80 -0.50 -2.28	64.18 -0.45 0.00	53.73 -0.32 0.00	47.03 -0.43 0.00	44.38 -0.49 -0.15
DAHOWA__HYDRO 323763	44.34 2.59 0.00	38.01 2.32 0.00	34.66 2.15 0.00	33.48 2.10 0.00	34.18 2.15 0.00	35.53 2.17 0.00	41.94 2.71 0.00	46.38 3.07 -0.09	47.83 3.00 0.00	48.41 3.12 0.00	49.97 3.22 0.00	49.24 2.70 0.00	48.48 2.44 0.00	49.26 2.41 -0.51	49.47 1.98 -2.48	51.69 1.37 -2.96	57.68 1.73 -3.51	66.11 2.68 -2.42	77.51 3.76 0.00	78.42 4.12 -3.28	90.49 4.20 -21.66	67.50 3.51 -9.94	59.31 3.04 -8.82	49.26 3.31 -1.23
DANC__LFGE 323619	41.92 0.17 0.00	35.80 0.11 0.00	32.58 0.07 0.00	31.47 0.09 0.00	32.06 0.03 0.00	33.50 0.13 0.00	39.40 0.16 0.00	43.35 0.13 0.00	44.87 0.04 0.00	45.07 -0.23 0.00	46.09 -0.65 0.00	45.75 -0.79 0.00	44.93 -1.11 0.00	45.13 -1.21 0.00	43.66 -1.35 0.00	46.51 -1.23 -0.39	51.72 -1.20 -0.49	60.61 -1.10 -0.70	74.04 -0.74 -1.03	71.10 -0.85 -0.94	64.89 -0.58 -0.84	54.08 -0.49 -0.51	47.30 -0.47 -0.32	44.23 -0.49 0.00
DANSKAMMER__1 23586	44.07 2.38 0.06	37.83 2.14 0.00	34.44 1.92 0.00	33.29 1.91 0.00	33.99 1.95 0.00	35.27 1.90 0.00	41.61 2.43 0.06	46.29 3.07 0.00	48.19 3.36 0.00	48.92 3.62 0.00	50.85 4.11 0.01	50.69 4.14 0.00	50.27 4.23 0.00	51.66 4.31 -1.02	54.38 4.46 -4.91	59.20 4.92 -6.92	68.25 5.45 -10.36	93.78 6.71 -26.06	93.63 8.11 -11.77	85.58 7.60 -6.96	76.42 6.46 -5.33	61.38 4.87 -2.46	53.91 4.27 -2.19	49.03 4.03 -0.28
DANSKAMMER__2 23589	44.07 2.38 0.06	37.83 2.14 0.00	34.44 1.92 0.00	33.29 1.91 0.00	33.99 1.95 0.00	35.27 1.90 0.00	41.61 2.43 0.06	46.29 3.07 0.00	48.19 3.36 0.00	48.92 3.62 0.00	50.85 4.11 0.01	50.69 4.14 0.00	50.27 4.23 0.00	51.66 4.31 -1.02	54.38 4.46 -4.91	59.20 4.92 -6.92	68.25 5.45 -10.36	93.78 6.71 -26.06	93.63 8.11 -11.77	85.58 7.60 -6.96	76.42 6.46 -5.33	61.38 4.87 -2.46	53.91 4.27 -2.19	49.03 4.03 -0.28
DANSKAMMER__3 23590	44.07 2.38 0.06	37.83 2.14 0.00	34.44 1.92 0.00	33.29 1.91 0.00	33.99 1.95 0.00	35.27 1.90 0.00	41.61 2.43 0.06	46.29 3.07 0.00	48.19 3.36 0.00	48.92 3.62 0.00	50.85 4.11 0.01	50.69 4.14 0.00	50.27 4.23 0.00	51.66 4.31 -1.02	54.38 4.46 -4.91	59.20 4.92 -6.92	68.25 5.45 -10.36	93.78 6.71 -26.06	93.63 8.11 -11.77	85.58 7.60 -6.96	76.42 6.46 -5.33	61.38 4.87 -2.46	53.91 4.27 -2.19	49.03 4.03 -0.28

DANSKAMMER___4 23591	44.07 2.38 0.06	37.83 2.14 0.00	34.44 1.92 0.00	33.29 1.91 0.00	33.99 1.95 0.00	35.27 1.90 0.00	41.61 2.43 0.06	46.29 3.07 0.00	48.19 3.36 0.00	48.92 3.62 0.00	50.85 4.11 0.01	50.69 4.14 0.00	50.27 4.23 0.00	51.66 4.31 -1.02	54.38 4.46 -4.91	59.20 4.92 -6.92	68.25 5.45 -10.36	93.78 6.71 -26.06	93.63 8.11 -11.77	85.58 7.60 -6.96	76.42 6.46 -5.33	61.38 4.87 -2.46	53.91 4.27 -2.19	49.03 4.03 -0.28
DANSKAMMER___DIESEL 23592	44.11 2.42 0.06	37.87 2.18 0.00	34.47 1.95 0.00	33.29 1.91 0.00	34.02 1.99 0.00	35.34 1.97 0.00	41.61 2.43 0.06	46.28 3.07 0.00	48.19 3.36 0.00	48.91 3.62 0.00	50.85 4.11 0.01	50.69 4.14 0.00	50.28 4.24 0.00	51.66 4.31 -1.02	54.38 4.46 -4.91	59.15 4.88 -6.92	68.25 5.45 -10.36	93.72 6.65 -26.06	93.56 8.04 -11.77	85.57 7.60 -6.96	76.42 6.46 -5.33	61.49 4.97 -2.46	53.91 4.27 -2.19	49.03 4.02 -0.28
DARBY___SOLAR 323810	44.09 2.34 0.00	37.83 2.14 0.00	34.50 1.98 0.00	33.29 1.91 0.00	33.99 1.95 0.00	35.37 2.00 0.00	41.71 2.47 0.00	46.12 2.81 -0.09	47.61 2.78 0.00	48.15 2.86 0.00	49.64 2.90 0.00	49.01 2.47 0.00	48.30 2.26 0.00	49.05 2.18 -0.53	49.39 1.80 -2.57	51.75 1.32 -3.07	57.75 1.68 -3.64	66.08 2.56 -2.51	77.29 3.54 0.00	78.25 3.83 -3.40	89.91 3.88 -21.40	67.11 3.24 -9.82	58.96 2.80 -8.71	48.93 3.00 -1.22
DASHVILLE___HYD 23610	44.61 2.92 0.06	38.26 2.57 0.00	34.83 2.31 0.00	33.67 2.29 0.00	34.37 2.34 0.00	35.64 2.27 0.00	41.96 2.79 0.06	46.51 3.28 0.00	48.50 3.68 0.00	49.19 3.90 0.00	51.18 4.44 0.01	50.92 4.38 0.00	50.51 4.47 0.00	51.85 4.68 -0.83	53.97 4.95 -4.01	58.47 5.59 -5.52	66.83 6.29 -8.10	89.06 7.87 -20.18	92.34 9.59 -9.00	85.71 9.02 -5.67	78.73 7.37 -6.72	62.67 5.51 -3.10	54.91 4.70 -2.75	49.42 4.34 -0.36
DELAWARE___LFGE 323621	42.63 1.09 0.21	36.76 1.07 0.00	33.49 0.98 0.00	32.35 0.97 0.00	33.02 0.99 0.00	34.40 1.03 0.00	40.17 1.14 0.20	44.57 1.43 0.07	46.31 1.48 0.00	46.79 1.49 0.00	48.25 1.54 0.04	48.13 1.58 0.00	47.51 1.47 0.00	47.92 1.48 -0.10	46.87 1.40 -0.46	49.51 1.61 -0.55	54.96 1.84 -0.69	65.25 2.32 -1.92	79.34 2.95 -2.64	75.69 2.70 -1.98	71.42 2.39 -4.39	58.07 1.95 -2.08	50.91 1.61 -1.84	46.51 1.52 -0.27
DERFIELD_115KV_TB7 355931	41.88 0.13 0.00	35.83 0.14 0.00	32.65 0.13 0.00	31.50 0.13 0.00	32.16 0.13 0.00	33.50 0.13 0.00	39.39 0.16 0.00	43.39 0.17 0.00	45.01 0.18 0.00	45.47 0.18 0.00	46.93 0.19 0.00	46.73 0.19 0.00	46.18 0.14 0.00	46.48 0.14 0.00	45.15 0.14 0.00	47.50 0.14 0.00	52.65 0.21 0.00	61.25 0.24 0.00	74.12 0.37 0.00	71.30 0.28 0.00	64.89 0.26 0.00	54.27 0.22 0.00	47.64 0.19 0.00	44.90 0.18 0.00
DOGLEVILLE___HYD 23807	41.17 -0.58 0.00	35.26 -0.43 0.00	32.10 -0.42 0.00	30.94 -0.44 0.00	31.45 -0.58 0.00	32.67 -0.70 0.00	38.37 -0.86 0.00	42.66 -0.56 0.00	44.15 -0.67 0.00	44.61 -0.68 0.00	45.95 -0.79 0.00	45.75 -0.79 0.00	45.21 -0.83 0.00	45.50 -0.83 0.00	44.16 -0.86 0.00	46.27 -1.09 0.00	51.02 -1.42 0.00	59.48 -1.53 0.00	71.98 -1.77 0.00	69.31 -1.70 0.00	63.15 -1.49 0.00	52.75 -1.30 0.00	46.41 -1.04 0.00	43.78 -0.94 0.00
DUNKIRK__115KV_TB_200 55889	21.58 -4.72 15.46	19.70 -4.14 11.85	17.95 -3.77 10.80	17.46 -3.55 10.37	17.77 -3.72 10.55	18.45 -3.84 11.08	19.86 -4.71 14.67	23.12 -5.19 14.92	25.00 -5.02 14.81	25.35 -5.03 14.91	25.59 -5.52 15.63	25.98 -5.45 15.12	25.70 -5.39 14.95	25.82 -5.38 15.15	24.88 -5.40 14.73	27.00 -5.26 15.10	28.38 -5.82 18.23	32.18 -7.14 21.69	36.88 -8.11 28.76	38.87 -7.46 24.69	38.59 -6.79 19.25	34.10 -5.40 14.54	30.27 -4.84 12.35	27.98 -4.74 12.00
DUNKIRK___1 23563	21.58 -4.72 15.46	19.70 -4.14 11.85	17.95 -3.77 10.80	17.46 -3.55 10.37	17.77 -3.72 10.55	18.45 -3.84 11.08	19.86 -4.71 14.67	23.12 -5.19 14.92	25.00 -5.02 14.81	25.35 -5.03 14.91	25.59 -5.52 15.63	25.98 -5.45 15.12	25.70 -5.39 14.95	25.82 -5.38 15.15	24.88 -5.40 14.73	27.00 -5.26 15.10	28.38 -5.82 18.23	32.18 -7.14 21.69	36.88 -8.11 28.76	38.87 -7.46 24.69	38.59 -6.79 19.25	34.10 -5.40 14.54	30.27 -4.84 12.35	27.98 -4.74 12.00
DUNKIRK___2 23564	21.58 -4.72 15.46	19.70 -4.14 11.85	17.95 -3.77 10.80	17.46 -3.55 10.37	17.77 -3.72 10.55	18.45 -3.84 11.08	19.86 -4.71 14.67	23.12 -5.19 14.92	25.00 -5.02 14.81	25.35 -5.03 14.91	25.59 -5.52 15.63	25.98 -5.45 15.12	25.70 -5.39 14.95	25.82 -5.38 15.15	24.88 -5.40 14.73	27.00 -5.26 15.10	28.38 -5.82 18.23	32.18 -7.14 21.69	36.88 -8.11 28.76	38.87 -7.46 24.69	38.59 -6.79 19.25	34.10 -5.40 14.54	30.27 -4.84 12.35	27.98 -4.74 12.00
DUNKIRK___3 23565	21.44 -4.59 15.72	19.62 -4.00 12.08	17.87 -3.64 11.01	17.36 -3.45 10.57	17.73 -3.56 10.75	18.41 -3.67 11.29	19.77 -4.55 14.92	23.02 -5.01 15.19	24.88 -4.84 15.10	25.24 -4.85 15.21	25.48 -5.33 15.94	25.87 -5.26 15.42	25.59 -5.20 15.25	25.70 -5.19 15.45	24.81 -5.18 15.02	26.92 -5.07 15.37	28.23 -5.66 18.54	32.12 -6.89 22.00	36.63 -7.97 29.16	38.59 -7.39 25.04	38.36 -6.72 19.55	33.84 -5.40 14.80	30.04 -4.84 12.57	27.81 -4.70 12.22
DUNKIRK___4 23566	21.44 -4.59 15.72	19.62 -4.00 12.08	17.87 -3.64 11.01	17.36 -3.45 10.57	17.73 -3.56 10.75	18.41 -3.67 11.29	19.77 -4.55 14.92	23.02 -5.01 15.19	24.88 -4.84 15.10	25.24 -4.85 15.21	25.48 -5.33 15.94	25.87 -5.26 15.42	25.59 -5.20 15.25	25.70 -5.19 15.45	24.81 -5.18 15.02	26.92 -5.07 15.37	28.23 -5.66 18.54	32.12 -6.89 22.00	36.63 -7.97 29.16	38.59 -7.39 25.04	38.36 -6.72 19.55	33.84 -5.40 14.80	30.04 -4.84 12.57	27.81 -4.70 12.22
DUNWOODS_138_KV_38W08_REV_LBMP_I 345000	44.03 2.34 0.06	37.80 2.11 0.00	34.44 1.92 0.00	33.29 1.91 0.00	34.02 1.99 0.00	35.34 1.97 0.00	41.69 2.51 0.06	46.37 3.16 0.01	48.37 3.54 0.00	49.14 3.85 0.00	51.13 4.39 0.01	51.15 4.61 0.00	50.74 4.70 0.00	52.21 4.82 -1.05	54.95 4.86 -5.07	60.37 5.21 -7.80	70.93 5.77 -12.72	95.17 6.83 -27.32	94.41 8.26 -12.40	85.97 7.81 -7.15	76.21 6.46 -5.11	61.44 5.03 -2.36	53.87 4.32 -2.10	49.15 4.16 -0.27
E.WALDEN_115_KV_TR_1_REV_LBMP_G 345009	43.69 2.00 0.07	37.55 1.86 0.00	34.18 1.66 0.00	33.01 1.63 0.00	33.73 1.70 0.00	35.04 1.67 0.00	41.25 2.08 0.06	45.81 2.59 0.01	47.69 2.87 0.00	48.37 3.08 0.00	50.29 3.55 0.01	50.22 3.68 0.00	49.82 3.78 0.00	51.18 3.85 -0.99	53.77 3.96 -4.80	58.90 4.36 -7.18	68.82 4.93 -11.46	91.70 5.98 -24.71	92.05 7.23 -11.07	84.64 6.82 -6.80	75.42 5.75 -5.03	60.76 4.38 -2.33	53.27 3.75 -2.07	48.56 3.58 -0.26
E179THST_138_KV_TB4_REV_LBMP_J 345001	44.19 2.51 0.06	37.87 2.18 0.00	34.70 2.18 0.00	33.54 2.17 0.00	34.31 2.27 0.00	35.30 1.94 0.00	41.65 2.47 0.06	46.41 3.20 0.01	48.50 3.68 0.00	49.32 4.03 0.00	51.39 4.63 -0.01	51.38 4.75 -0.09	58.61 4.79 -7.78	52.48 4.87 -1.28	63.83 4.86 -13.96	81.89 5.16 -29.37	70.94 5.72 -12.79	97.64 6.83 -29.79	97.50 8.11 -15.64	90.55 7.74 -11.79	80.18 6.40 -9.14	61.57 5.13 -2.38	57.31 4.41 -5.45	49.38 4.38 -0.28

E179THST_13_KV_LOAD 356214	44.36 2.67 0.06	38.05 2.36 0.00	34.86 2.34 0.00	33.67 2.29 0.00	34.43 2.40 0.00	35.47 2.10 0.00	41.84 2.67 0.06	46.63 3.41 0.01	48.73 3.90 0.00	49.55 4.26 0.00	51.62 4.86 -0.01	51.66 5.03 -0.09	58.84 5.02 -7.78	52.76 5.14 -1.28	64.10 5.13 -13.96	82.17 5.45 -29.37	71.31 6.08 -12.79	98.06 7.26 -29.79	98.02 8.63 -15.64	91.12 8.31 -11.79	80.63 6.85 -9.14	61.94 5.51 -2.38	57.60 4.70 -5.45	49.65 4.65 -0.28
EAST HAMPTON___GT 23717	45.53 3.84 0.06	39.19 3.50 0.00	35.31 2.80 0.00	33.98 2.60 0.00	34.66 2.63 0.00	35.97 2.60 0.00	42.32 3.14 0.06	48.94 4.58 -1.14	50.04 5.20 -0.02	52.25 5.52 -1.43	53.05 5.94 -0.37	53.51 5.77 -1.20	58.40 5.89 -6.46	56.46 6.12 -4.01	56.21 6.12 -5.08	61.17 6.01 -7.80	71.25 6.13 -12.69	95.72 7.38 -27.33	94.85 8.70 -12.40	85.62 7.45 -7.15	75.43 5.69 -5.10	61.28 4.87 -2.37	53.73 4.18 -2.10	50.31 5.32 -0.27
EAST RIVER___6 23660	44.15 2.46 0.06	37.98 2.29 0.00	34.57 2.05 0.00	33.42 2.04 0.00	34.18 2.15 0.00	35.44 2.07 0.00	41.85 2.67 0.06	46.59 3.37 0.01	48.72 3.90 0.00	49.55 4.26 0.00	51.62 4.86 -0.01	53.14 5.07 -1.52	58.92 5.20 -7.67	61.88 5.33 -10.22	64.25 5.40 -13.84	82.21 5.78 -29.08	95.42 6.39 -36.59	98.46 7.69 -29.76	98.49 9.14 -15.59	91.41 8.66 -11.73	81.02 7.30 -9.09	62.05 5.62 -2.38	57.74 4.89 -5.40	49.69 4.69 -0.28
EAST RIVER___7 23524	44.15 2.46 0.06	37.98 2.29 0.00	34.57 2.05 0.00	33.42 2.04 0.00	34.18 2.15 0.00	35.44 2.07 0.00	41.85 2.67 0.06	46.59 3.37 0.01	48.72 3.90 0.00	49.55 4.26 0.00	51.62 4.86 -0.01	53.14 5.07 -1.52	58.92 5.20 -7.67	61.88 5.33 -10.22	64.25 5.40 -13.84	82.21 5.78 -29.08	95.42 6.39 -36.59	98.46 7.69 -29.76	98.49 9.14 -15.59	91.41 8.66 -11.73	81.02 7.30 -9.09	62.05 5.62 -2.38	57.74 4.89 -5.40	49.69 4.69 -0.28
EASTVIEW_138_KV_38W32_REV_LBMP_I 345002	43.90 2.21 0.06	37.73 2.03 0.00	34.37 1.85 0.00	33.20 1.82 0.00	33.95 1.92 0.00	35.27 1.90 0.00	41.57 2.39 0.06	46.24 3.03 0.01	48.19 3.36 0.00	48.96 3.67 0.00	50.94 4.21 0.01	50.97 4.42 0.00	50.55 4.51 0.00	52.02 4.63 -1.05	54.76 4.68 -5.07	60.28 5.02 -7.91	71.05 5.56 -13.05	94.84 6.59 -27.24	94.07 7.97 -12.35	85.69 7.53 -7.14	75.94 6.20 -5.10	61.22 4.81 -2.36	53.68 4.13 -2.09	48.97 3.98 -0.27
EAST_HAMPTON___DIESEL 23722	45.49 3.80 0.06	39.15 3.46 0.00	35.28 2.76 0.00	33.95 2.57 0.00	34.62 2.59 0.00	35.94 2.57 0.00	42.28 3.10 0.06	48.89 4.54 -1.14	49.95 5.11 -0.02	52.20 5.48 -1.43	52.95 5.84 -0.37	53.42 5.68 -1.20	58.30 5.80 -6.46	56.37 6.02 -4.01	56.12 6.03 -5.08	61.12 5.97 -7.80	71.15 6.03 -12.69	95.66 7.32 -27.33	94.77 8.62 -12.40	85.48 7.32 -7.15	75.30 5.56 -5.10	61.22 4.81 -2.37	53.63 4.08 -2.10	50.22 5.23 -0.27
EAST_POINT___SOLAR 323840	44.61 2.92 0.07	38.29 2.60 0.00	34.86 2.34 0.00	33.67 2.29 0.00	34.37 2.34 0.00	35.84 2.47 0.00	42.24 3.06 0.06	46.70 3.41 -0.06	47.61 2.78 0.00	47.24 1.95 0.00	47.90 1.17 0.01	47.47 0.93 0.00	46.96 0.92 0.00	47.49 0.83 -0.32	46.83 0.27 -1.55	49.77 0.57 -1.84	55.65 0.99 -2.22	64.98 2.50 -1.47	78.02 4.28 0.01	79.06 5.97 -2.07	92.06 6.01 -21.41	68.70 4.81 -9.85	60.27 4.08 -8.74	49.62 3.71 -1.20
EAST_PULASKI___ESR 323781	41.34 -0.42 0.00	35.33 -0.36 0.00	32.19 -0.33 0.00	31.07 -0.31 0.00	31.71 -0.32 0.00	33.10 -0.27 0.00	38.85 -0.39 0.00	42.70 -0.52 0.00	44.29 -0.54 0.00	44.61 -0.68 0.00	45.81 -0.93 0.00	45.52 -1.02 0.00	44.84 -1.20 0.00	45.09 -1.25 0.00	43.80 -1.21 0.00	47.23 -1.14 -1.01	52.45 -1.26 -1.27	61.58 -1.28 -1.85	75.22 -1.25 -2.72	72.36 -1.14 -2.48	65.89 -0.97 -2.23	54.60 -0.81 -1.36	47.54 -0.76 -0.85	43.96 -0.76 0.00
EAST_RIVER___1 323558	44.11 2.42 0.06	37.90 2.21 0.00	34.53 2.02 0.00	33.39 2.01 0.00	34.14 2.11 0.00	35.40 2.04 0.00	41.81 2.63 0.06	46.59 3.37 0.01	48.68 3.86 0.00	49.50 4.21 0.00	51.53 4.77 -0.01	53.04 4.98 -1.52	58.78 5.06 -7.67	61.75 5.19 -10.22	64.07 5.22 -13.84	82.02 5.59 -29.08	95.21 6.18 -36.59	98.15 7.38 -29.76	98.19 8.85 -15.59	91.05 8.30 -11.73	80.70 6.98 -9.09	61.78 5.35 -2.38	57.55 4.70 -5.40	49.51 4.51 -0.28
EAST_RIVER___2 323559	44.15 2.46 0.06	37.98 2.29 0.00	34.57 2.05 0.00	33.42 2.04 0.00	34.18 2.15 0.00	35.44 2.07 0.00	41.85 2.67 0.06	46.59 3.37 0.01	48.72 3.90 0.00	49.55 4.26 0.00	51.62 4.86 -0.01	53.14 5.07 -1.52	58.92 5.20 -7.67	61.88 5.33 -10.22	64.25 5.40 -13.84	82.21 5.78 -29.08	95.42 6.39 -36.59	98.46 7.69 -29.76	98.49 9.14 -15.59	91.41 8.66 -11.73	81.02 7.30 -9.09	62.05 5.62 -2.38	57.74 4.89 -5.40	49.69 4.69 -0.28
EAST___DELAWARE_HYD 23607	43.60 1.92 0.07	37.44 1.75 0.00	34.08 1.56 0.00	32.92 1.54 0.00	33.60 1.57 0.00	34.87 1.50 0.00	41.09 1.92 0.07	45.67 2.46 0.01	47.52 2.69 0.00	48.15 2.86 0.00	50.00 3.27 0.01	49.85 3.30 0.00	49.40 3.36 0.00	50.44 3.43 -0.67	51.85 3.60 -3.23	55.29 4.07 -3.86	61.81 4.72 -4.66	86.61 5.98 -19.62	90.12 7.23 -9.13	82.35 6.75 -4.58	75.50 5.82 -5.05	60.66 4.27 -2.34	53.23 3.70 -2.07	48.47 3.49 -0.26
EIGHT_POINT___WT_PWR 323820	85.93 -2.92 -47.10	77.03 -2.43 -43.77	70.07 -2.34 -39.90	67.12 -2.57 -38.32	68.66 -2.59 -39.22	71.62 -2.67 -40.92	80.16 -3.34 -44.26	90.08 -3.89 -50.75	96.12 -3.63 -54.93	96.67 -3.94 -55.32	98.55 -4.35 -56.15	98.72 -4.33 -56.50	97.77 -4.14 -55.88	98.34 -4.22 -56.21	95.77 -4.05 -54.81	91.60 -4.64 -48.89	107.73 -5.09 -60.38	107.86 -6.10 -52.95	145.73 -6.64 -78.61	134.83 -5.75 -69.57	110.87 -4.98 -51.22	95.25 -3.84 -45.04	84.34 -3.70 -40.58	80.61 -3.58 -39.47
ELBRIDGE_115KV_TB2 80188	40.96 -0.79 0.00	35.08 -0.61 0.00	32.00 -0.52 0.00	30.85 -0.53 0.00	31.55 -0.48 0.00	32.90 -0.47 0.00	38.57 -0.67 0.00	42.36 -0.86 0.00	44.02 -0.81 0.00	44.48 -0.82 0.00	45.76 -0.98 0.00	45.47 -1.07 0.00	44.98 -1.06 0.00	45.27 -1.07 0.00	43.98 -1.04 0.00	46.36 -0.99 0.00	51.33 -1.10 0.00	61.37 -1.10 -1.46	77.44 -1.18 -4.87	73.02 -1.07 -3.07	63.66 -0.97 0.00	53.35 -0.70 0.00	46.69 -0.76 0.00	44.12 -0.80 -0.21
ELEC_TRO_TEK 24086	44.61 2.92 0.06	38.30 2.61 0.00	34.73 2.21 0.00	33.54 2.17 0.00	34.27 2.24 0.00	35.70 2.34 0.00	42.08 2.90 0.06	48.07 3.72 -1.14	48.97 4.12 -0.02	51.12 4.39 -1.43	51.93 4.81 -0.37	52.77 5.03 -1.20	57.57 5.06 -6.46	55.49 5.14 -4.01	55.22 5.13 -5.07	60.40 5.26 -7.79	70.63 5.51 -12.69	95.13 6.77 -27.35	94.21 8.04 -12.42	85.48 7.31 -7.15	75.69 5.95 -5.11	61.28 4.86 -2.37	53.63 4.08 -2.10	49.68 4.70 -0.27
ELLENBURG_WT_PWR 323604	41.59 -0.17 0.00	35.33 -0.36 0.00	32.16 -0.36 0.00	30.97 -0.41 0.00	31.58 -0.45 0.00	32.93 -0.43 0.00	38.57 -0.67 0.00	42.31 -0.91 0.00	43.75 -1.08 0.00	44.07 -1.22 0.00	45.53 -1.22 0.00	45.43 -1.12 0.00	44.93 -1.11 0.00	45.23 -1.11 0.00	43.98 -1.03 0.00	46.08 -1.28 0.00	50.97 -1.47 0.00	59.00 -2.01 0.00	71.10 -2.65 0.00	68.53 -2.49 0.00	62.37 -2.26 0.00	52.21 -1.84 0.00	45.93 -1.52 0.00	43.42 -1.30 0.00

ELM_ST_23_KV_LD_REV_LBMP_A 345012	20.98 -4.93 15.85	19.40 -4.21 12.08	17.67 -3.84 11.01	17.20 -3.61 10.57	17.57 -3.72 10.75	18.24 -3.84 11.29	19.48 -4.71 15.05	22.76 -5.19 15.27	24.67 -5.02 15.14	25.02 -5.03 15.25	25.19 -5.56 16.00	25.56 -5.54 15.44	25.20 -5.57 15.27	25.34 -5.51 15.49	24.37 -5.58 15.06	26.40 -5.49 15.46	27.83 -6.19 18.42	31.08 -7.50 22.42	35.40 -8.70 29.65	37.45 -8.24 25.33	37.30 -7.56 19.77	33.08 -6.05 14.92	29.43 -5.36 12.66	27.18 -5.23 12.31
EMPIRE_CC_1 323656	43.13 1.38 0.00	37.05 1.36 0.00	33.85 1.33 0.00	32.67 1.29 0.00	33.34 1.31 0.00	34.70 1.34 0.00	40.81 1.57 0.00	45.08 1.81 -0.04	46.57 1.75 0.00	47.06 1.76 0.00	48.52 1.78 0.00	48.22 1.67 0.00	47.70 1.66 0.00	49.76 1.72 -1.71	54.75 1.48 -8.26	58.72 1.51 -9.85	65.83 1.68 -11.72	75.60 2.08 -12.52	78.63 2.58 -2.29	84.94 2.48 -11.44	76.41 2.32 -9.45	60.49 2.11 -4.34	53.20 1.90 -3.85	46.91 1.66 -0.54
EMPIRE_CC_2 323658	43.13 1.38 0.00	37.05 1.36 0.00	33.85 1.33 0.00	32.67 1.29 0.00	33.34 1.31 0.00	34.70 1.34 0.00	40.81 1.57 0.00	45.08 1.81 -0.04	46.57 1.75 0.00	47.06 1.76 0.00	48.52 1.78 0.00	48.22 1.67 0.00	47.70 1.66 0.00	49.76 1.72 -1.71	54.75 1.48 -8.26	58.72 1.51 -9.85	65.83 1.68 -11.72	75.60 2.08 -12.52	78.63 2.58 -2.29	84.94 2.48 -11.44	76.41 2.32 -9.45	60.49 2.11 -4.34	53.20 1.90 -3.85	46.91 1.66 -0.54
ENORWICH_115KV_TB1 80156	45.52 1.63 -2.14	39.51 1.50 -2.32	35.93 1.30 -2.11	34.66 1.26 -2.03	35.22 1.19 -2.01	36.84 1.30 -2.17	42.42 1.10 -2.08	47.06 1.25 -2.59	48.91 1.17 -2.92	49.00 0.77 -2.94	49.97 0.28 -2.94	49.66 0.23 -2.89	48.80 -0.09 -2.86	49.20 -0.19 -3.04	47.78 -0.41 -3.18	49.93 0.00 -2.58	56.05 0.37 -3.25	66.00 1.16 -3.83	83.36 2.51 -7.10	78.81 2.13 -5.67	70.80 2.07 -4.10	58.80 1.78 -2.97	51.52 1.28 -2.79	48.14 1.16 -2.25
ERIE_ST__34_KV_TB1-2 80199	23.33 -3.80 14.62	21.30 -3.28 11.11	19.40 -2.99 10.12	18.84 -2.82 9.72	19.27 -2.88 9.88	20.05 -2.94 10.38	21.74 -3.61 13.89	25.25 -3.98 13.99	27.27 -3.77 13.79	27.68 -3.71 13.89	27.98 -4.16 14.60	28.33 -4.14 14.07	27.94 -4.19 13.91	28.15 -4.08 14.11	27.15 -4.14 13.72	29.26 -3.88 14.21	30.78 -4.40 17.25	34.58 -5.55 20.88	39.66 -6.27 27.82	41.36 -5.89 23.77	40.76 -5.49 18.38	35.96 -4.38 13.71	31.92 -3.94 11.59	29.50 -3.94 11.28
ERIE_WT_PWR 323693	21.15 -4.59 16.01	19.50 -3.93 12.27	17.79 -3.54 11.18	17.28 -3.36 10.74	17.56 -3.49 10.98	18.33 -3.57 11.47	19.56 -4.55 15.12	22.95 -4.88 15.39	24.79 -4.75 15.29	25.14 -4.75 15.40	25.38 -5.23 16.13	25.62 -5.21 15.71	25.26 -5.25 15.54	25.51 -5.19 15.64	25.30 -4.50 15.21	26.92 -4.83 15.61	27.83 -5.77 18.84	32.59 -6.77 21.64	36.47 -7.89 29.39	38.67 -7.17 25.17	38.50 -6.59 19.54	33.98 -5.35 14.72	30.03 -4.94 12.49	27.66 -4.92 12.14
ESPRGFLD_115KV_TB1 80157	43.69 2.05 0.11	37.55 1.86 0.00	34.21 1.69 0.00	33.04 1.66 0.00	33.73 1.70 0.00	35.17 1.80 0.00	41.29 2.16 0.11	45.75 2.51 -0.02	47.20 2.38 0.00	47.42 2.13 0.00	48.60 1.87 0.02	48.36 1.82 0.00	47.70 1.66 0.00	48.16 1.58 -0.24	47.54 1.35 -1.18	50.43 1.66 -1.41	56.08 1.94 -1.70	64.96 2.87 -1.08	77.87 4.13 0.01	76.94 4.33 -1.60	84.43 4.07 -15.73	64.60 3.30 -7.25	56.69 2.80 -6.43	48.17 2.59 -0.86
ETNA_115_KV_TB1_REV_LBMP_C 345029	45.57 0.21 -3.61	39.63 0.25 -3.69	36.14 0.26 -3.36	34.82 0.22 -3.22	35.52 0.29 -3.20	37.18 0.37 -3.44	43.05 0.31 -3.50	47.62 0.22 -4.19	49.78 0.31 -4.64	50.10 0.14 -4.68	51.36 -0.09 -4.71	50.97 -0.19 -4.61	50.42 -0.18 -4.56	50.89 -0.23 -4.78	49.53 -0.27 -4.79	51.24 -0.09 -3.98	57.43 0.00 -4.99	67.33 0.24 -6.08	85.64 0.74 -11.15	80.53 0.85 -8.66	69.97 0.78 -4.56	58.62 0.76 -3.81	51.44 0.43 -3.56	48.46 0.27 -3.48
ETNA____115KV_TB2 80207	45.57 0.21 -3.61	39.63 0.25 -3.69	36.14 0.26 -3.36	34.82 0.22 -3.22	35.52 0.29 -3.20	37.18 0.37 -3.44	43.05 0.31 -3.50	47.62 0.22 -4.19	49.78 0.31 -4.64	50.10 0.14 -4.68	51.36 -0.09 -4.71	50.97 -0.19 -4.61	50.42 -0.18 -4.56	50.89 -0.23 -4.78	49.53 -0.27 -4.79	51.24 -0.09 -3.98	57.43 0.00 -4.99	67.33 0.24 -6.08	85.64 0.74 -11.15	80.53 0.85 -8.66	69.97 0.78 -4.56	58.62 0.76 -3.81	51.44 0.43 -3.56	48.46 0.27 -3.48
EUCLID__115KV_TB2 356179	40.83 -0.92 0.00	34.94 -0.75 0.00	31.84 -0.68 0.00	30.72 -0.66 0.00	31.39 -0.64 0.00	32.73 -0.63 0.00	38.41 -0.82 0.00	42.18 -1.04 0.00	43.88 -0.94 0.00	44.34 -0.95 0.00	45.62 -1.12 0.00	45.38 -1.16 0.00	44.84 -1.20 0.00	45.13 -1.20 0.00	43.89 -1.13 0.00	45.26 -1.09 1.01	49.91 -1.26 1.27	57.79 -1.34 1.88	69.52 -1.48 2.76	67.08 -1.42 2.51	61.08 -1.29 2.26	51.64 -1.03 1.38	45.60 -1.00 0.86	43.69 -1.03 0.00
E_CANADA_CAP_HY 24051	44.39 2.71 0.08	38.12 2.43 0.00	34.73 2.21 0.00	33.51 2.13 0.00	34.21 2.18 0.00	35.67 2.30 0.00	41.99 2.83 0.08	46.43 3.15 -0.05	47.65 2.83 0.00	47.69 2.40 0.00	48.79 2.05 0.01	48.36 1.81 0.00	47.74 1.70 0.00	48.26 1.62 -0.30	47.72 1.26 -1.45	50.65 1.56 -1.73	56.36 1.83 -2.09	65.43 3.05 -1.37	78.32 4.57 0.01	78.36 5.39 -1.95	89.86 5.30 -19.93	67.49 4.27 -9.17	59.34 3.75 -8.13	49.27 3.44 -1.11
E_CANADA_MHWK_HY 24050	41.17 -0.58 0.00	35.26 -0.43 0.00	32.09 -0.42 0.00	30.94 -0.44 0.00	31.46 -0.58 0.00	32.66 -0.70 0.00	38.37 -0.86 0.00	42.66 -0.56 0.00	44.15 -0.67 0.00	44.61 -0.68 0.00	45.95 -0.79 0.00	45.75 -0.79 0.00	45.21 -0.83 0.00	45.51 -0.83 0.00	44.15 -0.86 0.00	46.27 -1.09 0.00	51.02 -1.41 0.00	59.49 -1.52 0.00	71.98 -1.77 0.00	69.24 -1.77 0.00	63.15 -1.48 0.00	52.75 -1.30 0.00	46.41 -1.04 0.00	43.78 -0.94 0.00
E_FISHKILL__LBMP 23776	43.65 1.96 0.06	37.51 1.82 0.00	34.18 1.66 0.00	33.01 1.63 0.00	33.73 1.70 0.00	35.07 1.70 0.00	41.30 2.12 0.06	45.90 2.68 0.00	47.78 2.96 0.00	48.51 3.22 0.00	50.38 3.65 0.01	50.36 3.82 0.00	49.95 3.91 0.00	51.38 3.99 -1.06	54.12 4.01 -5.11	58.44 4.26 -6.82	66.73 4.72 -9.57	94.79 5.67 -28.11	93.35 6.79 -12.82	84.67 6.46 -7.19	75.14 5.30 -5.21	60.62 4.16 -2.41	53.20 3.61 -2.14	48.48 3.49 -0.27
FALCON__SEABRD_CC1 323796	42.01 0.25 0.00	35.73 0.04 0.00	32.49 -0.03 0.00	31.29 -0.09 0.00	31.87 -0.16 0.00	33.27 -0.10 0.00	38.92 -0.32 0.00	42.75 -0.47 0.00	44.15 -0.67 0.00	44.52 -0.77 0.00	45.95 -0.79 0.00	45.89 -0.65 0.00	45.44 -0.60 0.00	45.69 -0.65 0.00	44.42 -0.59 0.00	46.55 -0.81 0.00	51.49 -0.94 0.00	59.61 -1.40 0.00	71.83 -1.92 0.00	69.17 -1.85 0.00	63.02 -1.61 0.00	52.70 -1.35 0.00	46.31 -1.14 0.00	43.83 -0.89 0.00
FALCON__SEABRD_CC2 323797	42.01 0.25 0.00	35.73 0.04 0.00	32.49 -0.03 0.00	31.29 -0.09 0.00	31.87 -0.16 0.00	33.27 -0.10 0.00	38.92 -0.32 0.00	42.75 -0.47 0.00	44.15 -0.67 0.00	44.52 -0.77 0.00	45.95 -0.79 0.00	45.89 -0.65 0.00	45.44 -0.60 0.00	45.69 -0.65 0.00	44.42 -0.59 0.00	46.55 -0.81 0.00	51.49 -0.94 0.00	59.61 -1.40 0.00	71.83 -1.92 0.00	69.17 -1.85 0.00	63.02 -1.61 0.00	52.70 -1.35 0.00	46.31 -1.14 0.00	43.83 -0.89 0.00

FAR ROCKAWAY___4 23548	45.15 3.47 0.06	38.76 3.07 0.00	35.12 2.60 0.00	33.92 2.54 0.00	34.66 2.63 0.00	36.10 2.74 0.00	42.55 3.37 0.06	48.64 4.28 -1.14	49.59 4.75 -0.02	51.80 5.07 -1.43	52.67 5.56 -0.37	53.56 5.82 -1.20	58.35 5.85 -6.46	56.37 6.02 -4.01	56.07 5.99 -5.07	61.30 6.16 -7.79	71.68 6.55 -12.69	96.44 8.05 -27.37	95.86 9.66 -12.44	86.97 8.81 -7.15	76.98 7.24 -5.11	62.41 6.00 -2.37	54.49 4.94 -2.10	50.44 5.46 -0.27
FARRAGUT_138_KV_32071_REV_LBMP_J 345003	44.15 2.46 0.06	37.94 2.25 0.00	34.57 2.05 0.00	33.42 2.04 0.00	34.18 2.15 0.00	35.47 2.10 0.00	41.84 2.67 0.06	46.63 3.41 0.01	48.68 3.86 0.00	49.50 4.21 0.00	51.53 4.77 -0.01	53.05 4.98 -1.52	58.84 5.11 -7.69	61.77 5.19 -10.24	64.09 5.22 -13.86	82.07 5.59 -29.13	95.28 6.19 -36.65	98.16 7.38 -29.77	98.20 8.85 -15.60	91.14 8.38 -11.74	80.71 6.98 -9.10	61.89 5.46 -2.38	57.56 4.70 -5.41	49.51 4.52 -0.28
FARRAGUT_138_KV_38B01_REV_LBMP_J 345016	44.19 2.51 0.06	37.94 2.25 0.00	34.57 2.05 0.00	33.42 2.04 0.00	34.18 2.15 0.00	35.47 2.10 0.00	41.84 2.67 0.06	46.63 3.41 0.01	48.68 3.86 0.00	49.50 4.21 0.00	51.53 4.77 -0.01	53.05 4.98 -1.52	58.84 5.11 -7.69	61.77 5.19 -10.24	64.09 5.22 -13.86	82.07 5.59 -29.13	95.28 6.19 -36.65	98.16 7.38 -29.77	98.20 8.85 -15.60	91.14 8.38 -11.74	80.78 7.05 -9.10	61.94 5.51 -2.38	57.56 4.70 -5.41	49.56 4.56 -0.28
FARRAGUT_138_KV_38M12_REV_LBMP_J 345017	44.15 2.46 0.06	37.94 2.25 0.00	34.53 2.02 0.00	33.39 2.01 0.00	34.14 2.11 0.00	35.44 2.07 0.00	41.81 2.63 0.06	46.59 3.37 0.01	48.68 3.86 0.00	49.46 4.17 0.00	51.53 4.77 -0.01	53.05 4.98 -1.52	58.80 5.06 -7.69	61.77 5.19 -10.24	64.05 5.18 -13.86	82.03 5.54 -29.13	95.22 6.13 -36.65	98.10 7.32 -29.77	98.13 8.78 -15.60	91.06 8.31 -11.74	80.65 6.92 -9.10	61.89 5.46 -2.38	57.51 4.65 -5.41	49.51 4.52 -0.28
FARRAGUT___LBMP 323566	44.11 2.42 0.06	37.90 2.21 0.00	34.53 2.02 0.00	33.39 2.01 0.00	34.14 2.11 0.00	35.44 2.07 0.00	41.81 2.63 0.06	46.59 3.37 0.01	48.64 3.81 0.00	49.41 4.12 0.00	51.48 4.72 -0.01	53.00 4.93 -1.52	58.75 5.02 -7.69	61.68 5.10 -10.24	64.00 5.13 -13.86	81.98 5.49 -29.13	95.17 6.08 -36.65	98.04 7.26 -29.77	98.06 8.70 -15.60	90.99 8.24 -11.74	80.65 6.92 -9.10	61.84 5.40 -2.38	57.51 4.65 -5.41	49.47 4.47 -0.28
FARRCKWY_69_KV_BK2 55825	45.15 3.47 0.06	38.76 3.07 0.00	35.12 2.60 0.00	33.92 2.54 0.00	34.66 2.63 0.00	36.10 2.74 0.00	42.55 3.37 0.06	48.64 4.28 -1.14	49.59 4.75 -0.02	51.80 5.07 -1.43	52.67 5.56 -0.37	53.56 5.82 -1.20	58.35 5.85 -6.46	56.37 6.02 -4.01	56.07 5.99 -5.07	61.30 6.16 -7.79	71.68 6.55 -12.69	96.44 8.05 -27.37	95.86 9.66 -12.44	86.97 8.81 -7.15	76.98 7.24 -5.11	62.41 6.00 -2.37	54.49 4.94 -2.10	50.44 5.46 -0.27
FENNER___WINDPWR 24204	42.12 0.46 0.09	36.12 0.43 0.00	32.88 0.36 0.00	31.73 0.35 0.00	32.38 0.35 0.00	33.80 0.43 0.00	39.62 0.47 0.09	43.70 0.52 0.04	45.37 0.54 0.00	45.74 0.45 0.00	47.01 0.28 0.02	46.78 0.23 0.00	46.13 0.09 0.00	46.43 0.09 0.00	45.01 0.00 0.00	47.10 0.14 0.40	52.20 0.26 0.50	61.37 0.55 0.19	75.75 0.96 -1.04	72.21 0.86 -0.34	64.48 0.84 0.99	54.18 0.70 0.57	47.58 0.47 0.35	45.18 0.40 -0.06
FIBERTEK___ENERGY 23856	41.29 -0.46 0.00	35.33 -0.36 0.00	32.19 -0.33 0.00	31.07 -0.31 0.00	31.77 -0.26 0.00	33.13 -0.23 0.00	38.88 -0.35 0.00	42.66 -0.56 0.00	44.42 -0.40 0.00	44.88 -0.41 0.00	46.18 -0.56 0.00	45.85 -0.70 0.00	45.35 -0.69 0.00	45.64 -0.70 0.00	44.34 -0.68 0.00	46.74 -0.62 0.00	51.75 -0.68 0.00	61.48 -0.61 -1.08	76.77 -0.59 -3.61	72.80 -0.50 -2.28	64.18 -0.45 0.00	53.73 -0.32 0.00	47.03 -0.43 0.00	44.38 -0.49 -0.15
FITZPATRICK___ 23598	40.38 -1.38 0.00	34.58 -1.11 0.00	31.51 -1.01 0.00	30.41 -0.97 0.00	31.07 -0.96 0.00	32.40 -0.97 0.00	37.94 -1.29 0.00	41.67 -1.55 0.00	43.21 -1.61 0.00	43.66 -1.63 0.00	44.97 -1.78 0.00	44.73 -1.82 0.00	44.24 -1.80 0.00	44.53 -1.81 0.00	43.30 -1.71 0.00	45.60 -1.75 0.00	50.50 -1.94 0.00	58.82 -2.19 0.00	71.10 -2.65 0.00	68.60 -2.41 0.00	62.44 -2.20 0.00	52.21 -1.84 0.00	45.79 -1.66 0.00	43.07 -1.65 0.00
FORGEBRK_115_KV_TR1_2_REV_LBMP_G 345010	44.15 2.46 0.06	37.90 2.21 0.00	34.50 1.98 0.00	33.36 1.98 0.00	34.08 2.05 0.00	35.37 2.00 0.00	41.69 2.51 0.06	46.37 3.16 0.00	48.28 3.45 0.00	48.96 3.67 0.00	50.94 4.21 0.01	50.73 4.19 0.00	50.32 4.28 0.00	51.71 4.36 -1.02	54.50 4.55 -4.94	59.23 4.97 -6.91	68.26 5.56 -10.27	94.14 6.77 -26.36	93.86 8.19 -11.92	85.75 7.74 -7.00	76.56 6.59 -5.33	61.60 5.08 -2.47	53.96 4.32 -2.19	49.07 4.07 -0.28
FORT ORANGE___ 23900	42.88 1.13 0.00	36.80 1.11 0.00	33.59 1.07 0.00	32.41 1.03 0.00	33.09 1.06 0.00	34.40 1.04 0.00	40.49 1.26 0.00	44.62 1.34 -0.06	46.17 1.34 0.00	46.65 1.36 0.00	48.10 1.36 0.00	47.75 1.21 0.00	47.28 1.24 0.00	48.28 1.34 -0.59	49.00 1.13 -2.87	51.96 1.18 -3.42	57.92 1.42 -4.07	65.76 2.08 -2.68	76.33 2.58 0.00	77.20 2.55 -3.63	80.72 2.32 -13.77	62.26 1.89 -6.32	54.72 1.66 -5.60	46.98 1.47 -0.78
FORT_DRUM_COGEN 23780	42.67 0.92 0.00	36.40 0.71 0.00	33.14 0.62 0.00	32.01 0.63 0.00	32.54 0.51 0.00	34.00 0.63 0.00	40.10 0.86 0.00	44.21 0.99 0.00	45.59 0.76 0.00	45.61 0.32 0.00	46.51 -0.23 0.00	46.17 -0.37 0.00	45.07 -0.97 0.00	45.23 -1.11 0.00	43.57 -1.44 0.00	46.08 -1.28 0.00	51.33 -1.10 0.00	60.22 -0.79 0.00	73.75 0.00 0.00	70.66 -0.36 0.00	64.63 0.00 0.00	54.00 -0.05 0.00	47.36 -0.09 0.00	44.63 -0.09 0.00
FOX_HILLS___ESR 323835	44.41 2.71 0.06	38.08 2.39 0.00	34.76 2.24 0.00	33.54 2.16 0.00	34.31 2.27 0.00	35.44 2.07 0.00	41.81 2.63 0.06	46.59 3.37 0.01	48.72 3.90 0.00	49.60 4.30 0.00	51.71 4.95 -0.01	53.06 4.98 -1.54	58.70 4.88 -7.78	61.69 5.01 -10.35	63.97 5.00 -13.96	82.12 5.40 -29.37	95.23 5.87 -36.92	97.94 7.13 -29.79	97.87 8.48 -15.64	90.83 8.02 -11.79	80.44 6.66 -9.14	61.73 5.30 -2.38	57.70 4.79 -5.45	49.74 4.74 -0.28
FPL_FAR_ROCK_GT1 24212	44.95 3.26 0.06	38.58 2.89 0.00	34.96 2.44 0.00	33.76 2.38 0.00	34.53 2.50 0.00	35.90 2.53 0.00	42.39 3.22 0.06	48.59 4.24 -1.14	49.55 4.71 -0.02	51.80 5.07 -1.43	52.68 5.56 -0.37	53.56 5.82 -1.20	58.40 5.89 -6.46	56.37 6.02 -4.01	56.08 5.99 -5.08	61.35 6.20 -7.79	71.73 6.61 -12.69	96.50 8.12 -27.37	95.93 9.73 -12.44	86.90 8.73 -7.15	76.98 7.24 -5.11	62.25 5.84 -2.37	54.44 4.89 -2.10	50.40 5.41 -0.27
FPL_FAR_ROCK_GT2 23815	44.95 3.26 0.06	38.58 2.89 0.00	34.96 2.44 0.00	33.76 2.38 0.00	34.53 2.50 0.00	35.90 2.53 0.00	42.39 3.22 0.06	48.59 4.24 -1.14	49.55 4.71 -0.02	51.80 5.07 -1.43	52.68 5.56 -0.37	53.56 5.82 -1.20	58.40 5.89 -6.46	56.37 6.02 -4.01	56.08 5.99 -5.08	61.35 6.20 -7.79	71.73 6.61 -12.69	96.50 8.12 -27.37	95.93 9.73 -12.44	86.90 8.73 -7.15	76.98 7.24 -5.11	62.25 5.84 -2.37	54.44 4.89 -2.10	50.40 5.41 -0.27



FRANKLIN_FALL_HYD 24054	41.84 0.08 0.00	35.51 -0.18 0.00	32.29 -0.23 0.00	31.13 -0.25 0.00	31.68 -0.35 0.00	33.13 -0.23 0.00	38.85 -0.39 0.00	42.70 -0.52 0.00	44.15 -0.67 0.00	44.48 -0.82 0.00	45.86 -0.89 0.00	45.80 -0.74 0.00	45.26 -0.78 0.00	45.41 -0.93 0.00	44.11 -0.90 0.00	46.22 -1.14 0.00	51.18 -1.26 0.00	59.30 -1.71 0.00	71.39 -2.36 0.00	68.81 -2.20 0.00	62.76 -1.87 0.00	52.43 -1.62 0.00	46.17 -1.28 0.00	43.65 -1.07 0.00
FREEPORT_EQUS_GT1 23764	44.78 3.09 0.06	38.44 2.75 0.00	34.83 2.31 0.00	33.64 2.26 0.00	34.37 2.34 0.00	35.74 2.37 0.00	42.24 3.06 0.06	48.42 4.06 -1.14	49.32 4.48 -0.02	51.57 4.85 -1.43	52.35 5.23 -0.37	53.19 5.44 -1.20	58.02 5.52 -6.46	56.00 5.65 -4.01	55.71 5.63 -5.08	60.87 5.73 -7.79	71.15 6.03 -12.69	95.80 7.44 -27.34	95.01 8.85 -12.41	86.05 7.88 -7.15	76.20 6.46 -5.11	61.71 5.30 -2.37	54.01 4.46 -2.10	50.08 5.10 -0.27
FREEPORT___CT2 23818	44.78 3.09 0.06	38.44 2.75 0.00	34.83 2.31 0.00	33.64 2.26 0.00	34.37 2.34 0.00	35.74 2.37 0.00	42.24 3.06 0.06	48.42 4.06 -1.14	49.32 4.48 -0.02	51.57 4.85 -1.43	52.35 5.23 -0.37	53.19 5.44 -1.20	58.02 5.52 -6.46	56.00 5.65 -4.01	55.71 5.63 -5.08	60.87 5.73 -7.79	71.15 6.03 -12.69	95.80 7.44 -27.34	95.01 8.85 -12.41	86.05 7.88 -7.15	76.20 6.46 -5.11	61.71 5.30 -2.37	54.01 4.46 -2.10	50.08 5.10 -0.27
FRESHKLS_33_KV_LOAD 356253	44.45 2.76 0.06	38.15 2.46 0.00	34.83 2.31 0.00	33.61 2.23 0.00	34.34 2.31 0.00	35.47 2.10 0.00	41.85 2.67 0.06	46.67 3.46 0.01	48.77 3.95 0.00	49.64 4.35 0.00	51.81 5.05 -0.01	53.06 4.98 -1.54	58.65 4.83 -7.78	61.59 4.91 -10.34	63.91 4.95 -13.95	82.07 5.35 -29.36	95.22 5.87 -36.92	97.93 7.13 -29.79	97.86 8.48 -15.63	90.82 8.02 -11.79	80.43 6.66 -9.14	61.66 5.24 -2.37	57.75 4.84 -5.45	49.79 4.79 -0.28
FULTON COGEN____ 23766	40.79 -0.96 0.00	34.91 -0.79 0.00	31.80 -0.72 0.00	30.69 -0.69 0.00	31.39 -0.64 0.00	32.73 -0.63 0.00	38.41 -0.82 0.00	42.14 -1.08 0.00	43.80 -1.03 0.00	44.25 -1.04 0.00	45.53 -1.22 0.00	45.24 -1.30 0.00	44.70 -1.34 0.00	44.99 -1.34 0.00	43.75 -1.26 0.00	47.49 -1.23 -1.36	52.79 -1.36 -1.71	62.04 -1.46 -2.50	75.73 -1.70 -3.67	72.79 -1.56 -3.34	66.22 -1.42 -3.00	54.75 -1.84 -1.14	47.45 -1.14 0.00	43.56 -1.16 0.00
FULTON___LFGE 323630	44.28 2.59 0.06	38.01 2.32 0.00	34.60 2.08 0.00	33.42 2.04 0.00	34.11 2.08 0.00	35.53 2.17 0.00	41.88 2.71 0.06	46.27 2.98 -0.07	47.47 2.64 0.00	47.56 2.26 0.00	48.61 1.87 0.01	48.08 1.53 0.00	47.33 1.29 0.00	47.87 1.20 -0.32	47.43 0.85 -1.57	50.32 1.09 -1.87	56.11 1.42 -2.26	65.07 2.56 -1.50	77.95 4.20 0.01	78.37 5.25 -2.10	91.70 5.30 -21.76	68.27 4.22 -10.01	59.98 3.65 -8.88	49.25 3.31 -1.22
G.F.CEMENT___DRP 24184	44.80 3.05 0.00	38.40 2.71 0.00	35.02 2.50 0.00	33.80 2.42 0.00	34.47 2.43 0.00	35.90 2.54 0.00	42.30 3.06 0.00	46.90 3.59 -0.10	48.37 3.54 0.00	49.01 3.71 0.00	50.62 3.88 0.00	49.66 3.12 0.00	48.85 2.81 0.00	49.55 2.73 -0.48	49.58 2.25 -2.32	51.31 1.18 -2.77	57.41 1.68 -3.30	66.08 2.81 -2.27	77.81 4.06 0.00	78.78 4.69 -3.08	91.45 4.72 -22.10	68.03 3.84 -10.14	59.72 3.27 -9.00	49.96 3.98 -1.26
GARDENVILLE___LBMP 24039	20.02 -4.72 17.02	18.39 -4.07 13.23	16.79 -3.67 12.06	16.32 -3.48 11.58	16.70 -3.56 11.78	17.33 -3.67 12.37	18.58 -4.51 16.14	21.65 -5.01 16.55	23.48 -4.80 16.55	23.78 -4.85 16.67	23.99 -5.33 17.43	24.34 -5.31 16.90	23.99 -5.34 16.71	24.13 -5.28 16.93	23.19 -5.36 16.46	25.39 -5.26 16.70	26.38 -5.93 20.13	30.22 -7.20 23.59	34.05 -8.33 31.37	36.14 -7.88 26.99	36.38 -7.17 21.08	32.18 -5.78 16.09	28.62 -5.12 13.71	26.40 -5.01 13.31
GARDNVLA_35_KV_LD 355827	22.05 -4.59 15.11	20.19 -3.96 11.54	18.43 -3.58 10.51	17.86 -3.42 10.10	18.28 -3.49 10.26	19.01 -3.57 10.78	20.49 -4.39 14.35	23.86 -4.84 14.52	25.80 -4.66 14.36	26.16 -4.67 14.46	26.37 -5.19 15.19	26.73 -5.17 14.65	26.40 -5.16 14.49	26.50 -5.14 14.69	25.55 -5.18 14.29	27.55 -5.07 14.73	28.93 -5.66 17.85	32.50 -7.02 21.49	37.06 -8.04 28.65	38.92 -7.60 24.50	38.69 -6.98 18.96	34.22 -5.62 14.21	30.43 -4.98 12.04	28.14 -4.87 11.70
GELCKHM__115KV_LOAD 80723	41.00 -0.75 0.00	35.08 -0.61 0.00	31.97 -0.55 0.00	30.85 -0.53 0.00	31.55 -0.48 0.00	32.90 -0.47 0.00	38.57 -0.67 0.00	42.36 -0.86 0.00	44.06 -0.76 0.00	44.52 -0.77 0.00	45.81 -0.93 0.00	45.57 -0.98 0.00	45.03 -1.01 0.00	45.32 -1.02 0.00	44.02 -0.99 0.00	45.80 -0.90 0.66	50.61 -1.00 0.83	59.25 -1.10 0.67	72.77 -1.11 -0.12	69.51 -1.07 0.44	62.15 -0.97 1.51	52.37 -0.76 0.92	46.07 -0.81 0.57	43.95 -0.85 -0.08
GENERAL___MILLS 23808	21.53 -4.59 15.63	19.73 -3.96 12.00	17.98 -3.61 10.93	17.46 -3.42 10.50	17.87 -3.49 10.67	18.55 -3.60 11.21	20.00 -4.39 14.84	23.26 -4.88 15.07	25.17 -4.71 14.95	25.52 -4.71 15.06	25.76 -5.19 15.79	26.07 -5.21 15.26	25.75 -5.20 15.09	25.90 -5.14 15.30	24.91 -5.22 14.88	26.97 -5.11 15.27	28.25 -5.72 18.47	31.87 -7.08 22.06	36.25 -8.11 29.39	38.17 -7.67 25.17	38.12 -6.98 19.54	33.71 -5.62 14.72	29.93 -5.03 12.49	27.66 -4.92 12.14
GE_PLASTICS___DRP 24183	42.67 0.92 0.00	36.62 0.93 0.00	33.43 0.91 0.00	32.26 0.88 0.00	32.93 0.90 0.00	34.27 0.90 0.00	40.26 1.02 0.00	44.48 1.21 -0.05	46.04 1.21 0.00	46.51 1.22 0.00	48.01 1.26 0.00	47.80 1.26 0.00	47.28 1.24 0.00	48.00 1.30 -0.36	47.98 1.22 -1.75	50.63 1.18 -2.09	56.24 1.31 -2.49	64.59 1.77 -1.81	75.89 2.14 0.00	75.60 2.13 -2.46	78.50 1.81 -12.05	61.09 1.51 -5.53	53.69 1.33 -4.91	46.61 1.21 -0.69
GILBOA___1 23756	42.67 1.00 0.08	36.80 1.11 0.00	33.53 1.01 0.00	32.38 1.00 0.00	33.06 1.02 0.00	34.40 1.04 0.00	40.26 1.10 0.08	44.55 1.34 0.02	46.26 1.43 0.00	46.74 1.45 0.00	48.32 1.59 0.01	48.17 1.63 0.00	47.70 1.66 0.00	48.09 1.67 -0.08	46.98 1.57 -0.39	49.48 1.66 -0.47	54.88 1.88 -0.56	58.92 2.32 4.40	73.73 2.65 2.67	73.92 2.34 -0.56	71.29 2.13 -4.52	57.99 1.84 -2.10	50.93 1.61 -1.87	46.47 1.52 -0.23
GILBOA___2 23757	42.67 1.00 0.08	36.80 1.11 0.00	33.53 1.01 0.00	32.38 1.00 0.00	33.06 1.02 0.00	34.40 1.04 0.00	40.26 1.10 0.08	44.55 1.34 0.02	46.26 1.43 0.00	46.74 1.45 0.00	48.32 1.59 0.01	48.17 1.63 0.00	47.70 1.66 0.00	48.09 1.67 -0.08	46.98 1.57 -0.39	49.48 1.66 -0.47	54.88 1.88 -0.56	58.92 2.32 4.40	73.73 2.65 2.67	73.92 2.34 -0.56	71.29 2.13 -4.52	57.99 1.84 -2.10	50.93 1.61 -1.87	46.47 1.52 -0.23
GILBOA___3 23758	42.67 1.00 0.08	36.80 1.11 0.00	33.53 1.01 0.00	32.38 1.00 0.00	33.06 1.02 0.00	34.40 1.04 0.00	40.26 1.10 0.08	44.55 1.34 0.02	46.26 1.43 0.00	46.74 1.45 0.00	48.32 1.59 0.01	48.17 1.63 0.00	47.70 1.66 0.00	48.09 1.67 -0.08	46.98 1.57 -0.39	49.48 1.66 -0.47	54.88 1.88 -0.56	58.92 2.32 4.40	73.73 2.65 2.67	73.92 2.34 -0.56	71.29 2.13 -4.52	57.99 1.84 -2.10	50.93 1.61 -1.87	46.47 1.52 -0.23

GILBOA___4 23759	42.67 1.00 0.08	36.80 1.11 0.00	33.53 1.01 0.00	32.38 1.00 0.00	33.06 1.02 0.00	34.40 1.04 0.00	40.26 1.10 0.08	44.55 1.34 0.02	46.26 1.43 0.00	46.74 1.45 0.00	48.32 1.59 0.01	48.17 1.63 0.00	47.70 1.66 0.00	48.09 1.67 -0.08	46.98 1.57 -0.39	49.48 1.66 -0.47	54.88 1.88 -0.56	58.92 2.32 4.40	73.73 2.65 2.67	73.92 2.34 -0.56	71.29 2.13 -4.52	57.99 1.84 -2.10	50.93 1.61 -1.87	46.47 1.52 -0.23
GILBOA____ 23599	42.67 1.00 0.08	36.80 1.11 0.00	33.53 1.01 0.00	32.38 1.00 0.00	33.06 1.02 0.00	34.40 1.03 0.00	40.26 1.10 0.08	44.59 1.38 0.02	46.22 1.39 0.00	46.74 1.45 0.00	48.32 1.59 0.01	48.17 1.63 0.00	47.70 1.66 0.00	48.09 1.67 -0.08	47.03 1.62 -0.39	49.53 1.70 -0.47	54.89 1.89 -0.56	58.93 2.32 4.40	73.73 2.66 2.67	73.99 2.41 -0.56	71.29 2.13 -4.52	57.99 1.84 -2.10	50.93 1.61 -1.87	46.47 1.52 -0.23
GINNA____ 23603	35.49 -4.13 2.13	29.89 -3.57 2.23	27.27 -3.22 2.03	26.32 -3.11 1.95	26.90 -3.14 1.99	28.11 -3.17 2.08	33.32 -3.92 2.00	36.52 -4.23 2.47	38.04 -3.99 2.80	38.44 -4.03 2.82	39.44 -4.49 2.81	38.92 -4.75 2.87	38.46 -4.74 2.84	38.70 -4.77 2.86	37.86 -4.37 2.78	38.12 -4.64 4.59	41.33 -5.35 5.75	47.14 -6.28 7.59	47.08 -7.22 19.45	50.51 -6.75 13.75	54.48 -6.08 4.07	46.43 -5.02 2.60	41.19 -4.65 1.61	39.60 -4.61 0.51
GLEN PARK____ 23778	42.92 1.17 0.00	36.58 0.89 0.00	33.30 0.78 0.00	32.19 0.81 0.00	32.73 0.70 0.00	34.20 0.83 0.00	40.33 1.10 0.00	44.43 1.21 0.00	45.81 0.98 0.00	45.84 0.55 0.00	46.70 -0.05 0.00	46.31 -0.23 0.00	45.21 -0.83 0.00	45.32 -1.02 0.00	43.66 -1.35 0.00	46.22 -1.14 0.00	51.54 -0.89 0.00	60.46 -0.55 0.00	74.12 0.37 0.00	71.09 0.07 0.00	65.02 0.39 0.00	54.32 0.27 0.00	47.60 0.14 0.00	44.85 0.13 0.00
GLENDALE_27_KV_LOAD 356172	44.40 2.71 0.06	38.12 2.43 0.00	34.79 2.28 0.00	33.61 2.23 0.00	34.37 2.34 0.00	35.57 2.20 0.00	41.96 2.79 0.06	46.80 3.59 0.01	48.91 4.08 0.00	49.73 4.44 0.00	51.81 5.05 -0.01	53.30 5.21 -1.54	59.07 5.25 -7.78	62.01 5.33 -10.35	64.33 5.36 -13.96	82.41 5.68 -29.37	95.65 6.29 -36.92	98.31 7.50 -29.79	98.31 8.92 -15.64	91.33 8.52 -11.79	80.89 7.11 -9.14	62.16 5.73 -2.38	57.79 4.89 -5.45	49.78 4.79 -0.28
GLENWOOD_IC_1_G5 23712	44.53 2.84 0.06	38.22 2.53 0.00	34.73 2.21 0.00	33.58 2.20 0.00	34.31 2.27 0.00	35.70 2.34 0.00	42.08 2.90 0.06	48.07 3.72 -1.14	48.97 4.12 -0.02	51.16 4.44 -1.43	52.07 4.95 -0.37	52.96 5.21 -1.20	57.80 5.29 -6.46	55.77 5.42 -4.01	55.49 5.40 -5.07	60.78 5.64 -7.79	70.89 5.77 -12.69	95.30 6.96 -27.34	94.49 8.33 -12.41	85.83 7.67 -7.15	75.95 6.20 -5.11	61.77 5.35 -2.37	54.01 4.46 -2.10	49.73 4.74 -0.27
GLENWOOD_IC_2_G1 23688	44.15 2.46 0.06	37.94 2.25 0.00	34.50 1.98 0.00	33.33 1.95 0.00	34.08 2.05 0.00	35.40 2.04 0.00	41.81 2.63 0.06	47.77 3.41 -1.14	48.65 3.81 -0.02	50.84 4.12 -1.43	51.74 4.63 -0.37	52.58 4.84 -1.20	57.43 4.93 -6.46	55.40 5.05 -4.01	55.13 5.04 -5.07	60.45 5.30 -7.79	70.84 5.72 -12.69	95.30 6.95 -27.33	94.41 8.26 -12.40	85.77 7.60 -7.15	76.01 6.27 -5.11	61.33 4.92 -2.37	53.82 4.27 -2.10	49.37 4.39 -0.27
GLENWOOD_IC_3_G1 23689	44.15 2.46 0.06	37.94 2.25 0.00	34.50 1.98 0.00	33.33 1.95 0.00	34.08 2.05 0.00	35.40 2.04 0.00	41.81 2.63 0.06	47.77 3.41 -1.14	48.65 3.81 -0.02	50.84 4.12 -1.43	51.74 4.63 -0.37	52.58 4.84 -1.20	57.43 4.93 -6.46	55.40 5.05 -4.01	55.13 5.04 -5.07	60.45 5.30 -7.79	70.84 5.72 -12.69	95.30 6.95 -27.33	94.41 8.26 -12.40	85.77 7.60 -7.15	76.01 6.27 -5.11	61.33 4.92 -2.37	53.82 4.27 -2.10	49.37 4.39 -0.27
GLENWOOD___4 23550	44.53 2.84 0.06	38.22 2.53 0.00	34.73 2.21 0.00	33.58 2.20 0.00	34.31 2.27 0.00	35.70 2.34 0.00	42.08 2.90 0.06	48.07 3.72 -1.14	48.97 4.12 -0.02	51.16 4.44 -1.43	52.07 4.95 -0.37	52.96 5.21 -1.20	57.80 5.29 -6.46	55.77 5.42 -4.01	55.49 5.40 -5.07	60.78 5.64 -7.79	70.99 5.87 -12.69	95.43 7.08 -27.34	94.64 8.48 -12.41	85.98 7.81 -7.15	76.14 6.40 -5.11	61.77 5.35 -2.37	54.01 4.46 -2.10	49.73 4.74 -0.27
GLENWOOD___5 23614	44.53 2.84 0.06	38.22 2.53 0.00	34.73 2.21 0.00	33.58 2.20 0.00	34.31 2.27 0.00	35.70 2.34 0.00	42.08 2.90 0.06	48.07 3.72 -1.14	48.97 4.12 -0.02	51.16 4.44 -1.43	52.07 4.95 -0.37	52.96 5.21 -1.20	57.80 5.29 -6.46	55.77 5.42 -4.01	55.49 5.40 -5.07	60.78 5.64 -7.79	70.99 5.87 -12.69	95.43 7.08 -27.34	94.64 8.48 -12.41	85.98 7.81 -7.15	76.14 6.40 -5.11	61.77 5.35 -2.37	54.01 4.46 -2.10	49.73 4.74 -0.27
GLOBAL GREEN_PORT_GT1 23814	45.74 4.05 0.06	39.33 3.64 0.00	35.48 2.96 0.00	34.17 2.79 0.00	34.85 2.82 0.00	36.20 2.83 0.00	42.63 3.45 0.06	49.24 4.88 -1.14	50.35 5.51 -0.02	52.57 5.84 -1.43	53.38 6.27 -0.37	53.84 6.10 -1.20	58.71 6.21 -6.46	56.79 6.44 -4.01	56.52 6.44 -5.08	61.54 6.39 -7.80	71.62 6.50 -12.69	96.27 7.93 -27.33	95.52 9.37 -12.40	86.19 8.02 -7.15	76.00 6.27 -5.10	61.82 5.40 -2.37	54.15 4.60 -2.10	50.67 5.68 -0.27
GLOBE___DSASP 323697	23.28 -5.76 12.71	21.71 -4.89 9.09	19.82 -4.42 8.28	19.29 -4.14 7.95	19.72 -4.26 8.05	20.44 -4.44 8.49	21.70 -5.41 12.12	25.34 -6.01 11.87	27.52 -5.87 11.43	27.84 -5.93 11.51	28.03 -6.50 12.21	28.47 -6.47 11.61	28.07 -6.49 11.48	28.16 -6.49 11.69	27.07 -6.57 11.37	28.68 -6.49 12.18	30.22 -7.45 14.77	32.84 -8.85 19.32	37.20 -10.55 26.01	38.91 -10.30 21.80	39.10 -9.05 16.49	34.91 -7.30 11.84	31.11 -6.45 9.88	28.81 -6.26 9.65
GOETHSLN___LBMP 323567	43.99 2.30 0.06	37.80 2.11 0.00	34.44 1.92 0.00	33.29 1.91 0.00	34.05 2.02 0.00	35.34 1.97 0.00	41.65 2.47 0.06	46.46 3.24 0.01	48.50 3.68 0.00	49.32 4.03 0.00	51.34 4.58 -0.01	52.86 4.79 -1.52	58.66 4.93 -7.69	61.58 5.00 -10.24	63.87 5.00 -13.86	81.84 5.35 -29.13	95.01 5.93 -36.65	97.85 7.08 -29.77	97.84 8.48 -15.60	90.78 8.02 -11.74	80.45 6.72 -9.10	61.73 5.30 -2.38	57.37 4.51 -5.41	49.38 4.38 -0.28
GOLAH___69_KV_TB 1_2 80279	37.09 -2.88 1.78	31.39 -2.50 1.80	28.61 -2.28 1.64	27.65 -2.17 1.57	28.40 -2.18 1.46	29.48 -2.20 1.68	34.64 -2.75 1.85	38.06 -3.07 2.09	39.71 -2.87 2.25	40.13 -2.90 2.26	41.07 -3.37 2.31	40.91 -3.58 2.05	40.37 -3.64 2.03	40.38 -3.66 2.30	39.09 -3.69 2.23	39.74 -3.65 3.97	43.27 -4.09 5.08	46.83 -4.94 9.24	51.31 -5.46 16.98	53.01 -5.04 12.96	53.85 -4.46 6.32	46.18 -3.51 4.36	41.01 -3.27 3.17	39.62 -3.22 1.88
GOODYEAR_LAKE_HYD 323669	43.00 1.42 0.18	37.05 1.36 0.00	33.75 1.24 0.00	32.60 1.22 0.00	33.28 1.25 0.00	34.67 1.30 0.00	40.60 1.53 0.17	45.04 1.86 0.04	46.75 1.93 0.00	47.10 1.81 0.00	48.44 1.73 0.03	48.31 1.77 0.00	47.65 1.61 0.00	48.10 1.62 -0.14	47.13 1.44 -0.68	49.87 1.70 -0.81	55.42 1.99 -1.00	64.75 2.68 -1.05	79.02 3.54 -1.73	76.32 3.27 -2.04	75.40 2.97 -7.79	60.06 2.38 -3.63	52.67 1.99 -3.22	47.05 1.88 -0.46

GOUDEY___7 345031	43.25 0.13 -1.37	37.59 0.18 -1.72	34.25 0.16 -1.57	33.04 0.16 -1.50	33.70 0.19 -1.47	35.24 0.27 -1.61	40.78 0.20 -1.35	45.27 0.22 -1.83	47.35 0.36 -2.17	47.79 0.32 -2.19	49.13 0.23 -2.15	48.90 0.23 -2.12	48.37 0.23 -2.10	48.84 0.23 -2.27	47.64 0.23 -2.40	49.49 0.33 -1.80	55.10 0.37 -2.30	64.22 0.55 -2.66	80.11 0.89 -5.47	76.17 0.85 -4.31	68.11 0.71 -2.77	56.79 0.65 -2.09	49.91 0.43 -2.03	46.67 0.31 -1.64
GOUDEY___7 23579	43.25 0.13 -1.37	37.59 0.18 -1.72	34.25 0.16 -1.57	33.04 0.16 -1.50	33.70 0.19 -1.47	35.24 0.27 -1.61	40.78 0.20 -1.35	45.27 0.22 -1.83	47.35 0.36 -2.17	47.79 0.32 -2.19	49.13 0.23 -2.15	48.90 0.23 -2.12	48.37 0.23 -2.10	48.84 0.23 -2.27	47.64 0.23 -2.40	49.49 0.33 -1.80	55.10 0.37 -2.30	64.22 0.55 -2.66	80.11 0.89 -5.47	76.17 0.85 -4.31	68.11 0.71 -2.77	56.79 0.65 -2.09	49.91 0.43 -2.03	46.67 0.31 -1.64
GOUDEY___8 23580	43.25 0.13 -1.37	37.59 0.18 -1.72	34.25 0.16 -1.57	33.04 0.16 -1.50	33.70 0.19 -1.47	35.24 0.27 -1.61	40.78 0.20 -1.35	45.27 0.22 -1.83	47.35 0.36 -2.17	47.79 0.32 -2.19	49.13 0.23 -2.15	48.90 0.23 -2.12	48.37 0.23 -2.10	48.84 0.23 -2.27	47.64 0.23 -2.40	49.49 0.33 -1.80	55.10 0.37 -2.30	64.22 0.55 -2.66	80.11 0.89 -5.47	76.17 0.85 -4.31	68.11 0.71 -2.77	56.79 0.65 -2.09	49.91 0.43 -2.03	46.67 0.31 -1.64
GOWANUS_GT1_1 24077	44.49 2.80 0.06	38.15 2.46 0.00	34.79 2.28 0.00	33.61 2.23 0.00	34.37 2.34 0.00	35.54 2.17 0.00	41.92 2.75 0.06	46.72 3.50 0.01	48.82 3.99 0.00	49.68 4.39 0.00	51.81 5.05 -0.01	53.20 5.12 -1.54	58.93 5.11 -7.78	61.92 5.24 -10.35	64.15 5.18 -13.96	82.32 5.59 -29.37	95.49 6.13 -36.92	98.19 7.38 -29.79	98.17 8.78 -15.64	91.19 8.38 -11.79	80.69 6.92 -9.14	62.11 5.68 -2.38	57.84 4.94 -5.45	49.83 4.83 -0.28
GOWANUS_GT1_2 24078	44.49 2.80 0.06	38.15 2.46 0.00	34.79 2.28 0.00	33.61 2.23 0.00	34.37 2.34 0.00	35.54 2.17 0.00	41.92 2.75 0.06	46.72 3.50 0.01	48.82 3.99 0.00	49.68 4.39 0.00	51.81 5.05 -0.01	53.20 5.12 -1.54	58.93 5.11 -7.78	61.92 5.24 -10.35	64.15 5.18 -13.96	82.32 5.59 -29.37	95.49 6.13 -36.92	98.19 7.38 -29.79	98.17 8.78 -15.64	91.19 8.38 -11.79	80.69 6.92 -9.14	62.11 5.68 -2.38	57.84 4.94 -5.45	49.83 4.83 -0.28
GOWANUS_GT1_3 24079	44.49 2.80 0.06	38.15 2.46 0.00	34.79 2.28 0.00	33.61 2.23 0.00	34.37 2.34 0.00	35.54 2.17 0.00	41.92 2.75 0.06	46.72 3.50 0.01	48.82 3.99 0.00	49.68 4.39 0.00	51.81 5.05 -0.01	53.20 5.12 -1.54	58.93 5.11 -7.78	61.92 5.24 -10.35	64.15 5.18 -13.96	82.32 5.59 -29.37	95.49 6.13 -36.92	98.19 7.38 -29.79	98.17 8.78 -15.64	91.19 8.38 -11.79	80.69 6.92 -9.14	62.11 5.68 -2.38	57.84 4.94 -5.45	49.83 4.83 -0.28
GOWANUS_GT1_4 24080	44.49 2.80 0.06	38.15 2.46 0.00	34.79 2.28 0.00	33.61 2.23 0.00	34.37 2.34 0.00	35.54 2.17 0.00	41.92 2.75 0.06	46.72 3.50 0.01	48.82 3.99 0.00	49.68 4.39 0.00	51.81 5.05 -0.01	53.20 5.12 -1.54	58.93 5.11 -7.78	61.92 5.24 -10.35	64.15 5.18 -13.96	82.32 5.59 -29.37	95.49 6.13 -36.92	98.19 7.38 -29.79	98.17 8.78 -15.64	91.19 8.38 -11.79	80.69 6.92 -9.14	62.11 5.68 -2.38	57.84 4.94 -5.45	49.83 4.83 -0.28
GOWANUS_GT1_5 24084	44.49 2.80 0.06	38.15 2.46 0.00	34.79 2.28 0.00	33.61 2.23 0.00	34.37 2.34 0.00	35.54 2.17 0.00	41.92 2.75 0.06	46.72 3.50 0.01	48.82 3.99 0.00	49.68 4.39 0.00	51.81 5.05 -0.01	53.20 5.12 -1.54	58.93 5.11 -7.78	61.92 5.24 -10.35	64.15 5.18 -13.96	82.32 5.59 -29.37	95.49 6.13 -36.92	98.19 7.38 -29.79	98.17 8.78 -15.64	91.19 8.38 -11.79	80.69 6.92 -9.14	62.11 5.68 -2.38	57.84 4.94 -5.45	49.83 4.83 -0.28
GOWANUS_GT1_6 24111	44.49 2.80 0.06	38.15 2.46 0.00	34.79 2.28 0.00	33.61 2.23 0.00	34.37 2.34 0.00	35.54 2.17 0.00	41.92 2.75 0.06	46.72 3.50 0.01	48.82 3.99 0.00	49.68 4.39 0.00	51.81 5.05 -0.01	53.20 5.12 -1.54	58.93 5.11 -7.78	61.92 5.24 -10.35	64.15 5.18 -13.96	82.32 5.59 -29.37	95.49 6.13 -36.92	98.19 7.38 -29.79	98.17 8.78 -15.64	91.19 8.38 -11.79	80.69 6.92 -9.14	62.11 5.68 -2.38	57.84 4.94 -5.45	49.83 4.83 -0.28
GOWANUS_GT1_7 24112	44.49 2.80 0.06	38.15 2.46 0.00	34.79 2.28 0.00	33.61 2.23 0.00	34.37 2.34 0.00	35.54 2.17 0.00	41.92 2.75 0.06	46.72 3.50 0.01	48.82 3.99 0.00	49.68 4.39 0.00	51.81 5.05 -0.01	53.20 5.12 -1.54	58.93 5.11 -7.78	61.92 5.24 -10.35	64.15 5.18 -13.96	82.32 5.59 -29.37	95.49 6.13 -36.92	98.19 7.38 -29.79	98.17 8.78 -15.64	91.19 8.38 -11.79	80.69 6.92 -9.14	62.11 5.68 -2.38	57.84 4.94 -5.45	49.83 4.83 -0.28
GOWANUS_GT1_8 24113	44.49 2.80 0.06	38.15 2.46 0.00	34.79 2.28 0.00	33.61 2.23 0.00	34.37 2.34 0.00	35.54 2.17 0.00	41.92 2.75 0.06	46.72 3.50 0.01	48.82 3.99 0.00	49.68 4.39 0.00	51.81 5.05 -0.01	53.20 5.12 -1.54	58.93 5.11 -7.78	61.92 5.24 -10.35	64.15 5.18 -13.96	82.32 5.59 -29.37	95.49 6.13 -36.92	98.19 7.38 -29.79	98.17 8.78 -15.64	91.19 8.38 -11.79	80.69 6.92 -9.14	62.11 5.68 -2.38	57.84 4.94 -5.45	49.83 4.83 -0.28
GOWANUS_GT2_1 24114	44.41 2.71 0.06	38.12 2.43 0.00	34.79 2.28 0.00	33.61 2.23 0.00	34.34 2.31 0.00	35.50 2.14 0.00	41.88 2.71 0.06	46.67 3.46 0.01	48.81 3.99 0.00	49.68 4.39 0.00	51.81 5.05 -0.01	53.20 5.12 -1.54	58.93 5.11 -7.78	61.87 5.19 -10.35	64.14 5.17 -13.96	82.31 5.59 -29.37	95.49 6.13 -36.92	98.18 7.38 -29.79	98.16 8.77 -15.64	91.11 8.30 -11.79	80.70 6.92 -9.14	61.89 5.46 -2.38	57.84 4.93 -5.45	49.84 4.83 -0.28
GOWANUS_GT2_2 24115	44.41 2.71 0.06	38.12 2.43 0.00	34.79 2.28 0.00	33.61 2.23 0.00	34.34 2.31 0.00	35.50 2.14 0.00	41.88 2.71 0.06	46.67 3.46 0.01	48.81 3.99 0.00	49.68 4.39 0.00	51.81 5.05 -0.01	53.20 5.12 -1.54	58.93 5.11 -7.78	61.87 5.19 -10.35	64.14 5.17 -13.96	82.31 5.59 -29.37	95.49 6.13 -36.92	98.18 7.38 -29.79	98.16 8.77 -15.64	91.11 8.30 -11.79	80.70 6.92 -9.14	61.89 5.46 -2.38	57.84 4.93 -5.45	49.84 4.83 -0.28
GOWANUS_GT2_3 24116	44.41 2.71 0.06	38.12 2.43 0.00	34.79 2.28 0.00	33.61 2.23 0.00	34.34 2.31 0.00	35.50 2.14 0.00	41.88 2.71 0.06	46.67 3.46 0.01	48.81 3.99 0.00	49.68 4.39 0.00	51.81 5.05 -0.01	53.20 5.12 -1.54	58.93 5.11 -7.78	61.87 5.19 -10.35	64.14 5.17 -13.96	82.31 5.59 -29.37	95.49 6.13 -36.92	98.18 7.38 -29.79	98.16 8.77 -15.64	91.11 8.30 -11.79	80.70 6.92 -9.14	61.89 5.46 -2.38	57.84 4.93 -5.45	49.84 4.83 -0.28
GOWANUS_GT2_4 24117	44.41 2.71 0.06	38.12 2.43 0.00	34.79 2.28 0.00	33.61 2.23 0.00	34.34 2.31 0.00	35.50 2.14 0.00	41.88 2.71 0.06	46.67 3.46 0.01	48.81 3.99 0.00	49.68 4.39 0.00	51.81 5.05 -0.01	53.20 5.12 -1.54	58.93 5.11 -7.78	61.87 5.19 -10.35	64.14 5.17 -13.96	82.31 5.59 -29.37	95.49 6.13 -36.92	98.18 7.38 -29.79	98.16 8.77 -15.64	91.11 8.30 -11.79	80.70 6.92 -9.14	61.89 5.46 -2.38	57.84 4.93 -5.45	49.84 4.83 -0.28

GOWANUS_GT2_5 24118	44.41 2.71 0.06	38.12 2.43 0.00	34.79 2.28 0.00	33.61 2.23 0.00	34.34 2.31 0.00	35.50 2.14 0.00	41.88 2.71 0.06	46.67 3.46 0.01	48.81 3.99 0.00	49.68 4.39 0.00	51.81 5.05 -0.01	53.20 5.12 -1.54	58.93 5.11 -7.78	61.87 5.19 -10.35	64.14 5.17 -13.96	82.31 5.59 -29.37	95.49 6.13 -36.92	98.18 7.38 -29.79	98.16 8.77 -15.64	91.11 8.30 -11.79	80.70 6.92 -9.14	61.89 5.46 -2.38	57.84 4.93 -5.45	49.84 4.83 -0.28
GOWANUS_GT2_6 24119	44.41 2.71 0.06	38.12 2.43 0.00	34.79 2.28 0.00	33.61 2.23 0.00	34.34 2.31 0.00	35.50 2.14 0.00	41.88 2.71 0.06	46.67 3.46 0.01	48.81 3.99 0.00	49.68 4.39 0.00	51.81 5.05 -0.01	53.20 5.12 -1.54	58.93 5.11 -7.78	61.87 5.19 -10.35	64.14 5.17 -13.96	82.31 5.59 -29.37	95.49 6.13 -36.92	98.18 7.38 -29.79	98.16 8.77 -15.64	91.11 8.30 -11.79	80.70 6.92 -9.14	61.89 5.46 -2.38	57.84 4.93 -5.45	49.84 4.83 -0.28
GOWANUS_GT2_7 24120	44.41 2.71 0.06	38.12 2.43 0.00	34.79 2.28 0.00	33.61 2.23 0.00	34.34 2.31 0.00	35.50 2.14 0.00	41.88 2.71 0.06	46.67 3.46 0.01	48.81 3.99 0.00	49.68 4.39 0.00	51.81 5.05 -0.01	53.20 5.12 -1.54	58.93 5.11 -7.78	61.87 5.19 -10.35	64.14 5.17 -13.96	82.31 5.59 -29.37	95.49 6.13 -36.92	98.18 7.38 -29.79	98.16 8.77 -15.64	91.11 8.30 -11.79	80.70 6.92 -9.14	61.89 5.46 -2.38	57.84 4.93 -5.45	49.84 4.83 -0.28
GOWANUS_GT2_8 24121	44.41 2.71 0.06	38.12 2.43 0.00	34.79 2.28 0.00	33.61 2.23 0.00	34.34 2.31 0.00	35.50 2.14 0.00	41.88 2.71 0.06	46.67 3.46 0.01	48.81 3.99 0.00	49.68 4.39 0.00	51.81 5.05 -0.01	53.20 5.12 -1.54	58.93 5.11 -7.78	61.87 5.19 -10.35	64.14 5.17 -13.96	82.31 5.59 -29.37	95.49 6.13 -36.92	98.18 7.38 -29.79	98.16 8.77 -15.64	91.11 8.30 -11.79	80.70 6.92 -9.14	61.89 5.46 -2.38	57.84 4.93 -5.45	49.84 4.83 -0.28
GOWANUS_GT3_1 24122	44.41 2.71 0.06	38.12 2.43 0.00	34.79 2.28 0.00	33.61 2.23 0.00	34.37 2.34 0.00	35.50 2.14 0.00	41.88 2.71 0.06	46.71 3.50 0.01	48.81 3.99 0.00	49.68 4.39 0.00	51.81 5.05 -0.01	53.20 5.12 -1.54	58.93 5.11 -7.78	61.92 5.23 -10.35	64.14 5.17 -13.96	82.31 5.59 -29.37	95.49 6.13 -36.92	98.18 7.38 -29.79	98.24 8.85 -15.64	91.11 8.30 -11.79	80.70 6.92 -9.14	61.95 5.52 -2.38	57.84 4.93 -5.45	49.84 4.83 -0.28
GOWANUS_GT3_2 24123	44.41 2.71 0.06	38.12 2.43 0.00	34.79 2.28 0.00	33.61 2.23 0.00	34.37 2.34 0.00	35.50 2.14 0.00	41.88 2.71 0.06	46.71 3.50 0.01	48.81 3.99 0.00	49.68 4.39 0.00	51.81 5.05 -0.01	53.20 5.12 -1.54	58.93 5.11 -7.78	61.92 5.23 -10.35	64.14 5.17 -13.96	82.31 5.59 -29.37	95.49 6.13 -36.92	98.18 7.38 -29.79	98.24 8.85 -15.64	91.11 8.30 -11.79	80.70 6.92 -9.14	61.95 5.52 -2.38	57.84 4.93 -5.45	49.84 4.83 -0.28
GOWANUS_GT3_3 24124	44.41 2.71 0.06	38.12 2.43 0.00	34.79 2.28 0.00	33.61 2.23 0.00	34.37 2.34 0.00	35.50 2.14 0.00	41.88 2.71 0.06	46.71 3.50 0.01	48.81 3.99 0.00	49.68 4.39 0.00	51.81 5.05 -0.01	53.20 5.12 -1.54	58.93 5.11 -7.78	61.92 5.23 -10.35	64.14 5.17 -13.96	82.31 5.59 -29.37	95.49 6.13 -36.92	98.18 7.38 -29.79	98.24 8.85 -15.64	91.11 8.30 -11.79	80.70 6.92 -9.14	61.95 5.52 -2.38	57.84 4.93 -5.45	49.84 4.83 -0.28
GOWANUS_GT3_4 24125	44.41 2.71 0.06	38.12 2.43 0.00	34.79 2.28 0.00	33.61 2.23 0.00	34.37 2.34 0.00	35.50 2.14 0.00	41.88 2.71 0.06	46.71 3.50 0.01	48.81 3.99 0.00	49.68 4.39 0.00	51.81 5.05 -0.01	53.20 5.12 -1.54	58.93 5.11 -7.78	61.92 5.23 -10.35	64.14 5.17 -13.96	82.31 5.59 -29.37	95.49 6.13 -36.92	98.18 7.38 -29.79	98.24 8.85 -15.64	91.11 8.30 -11.79	80.70 6.92 -9.14	61.95 5.52 -2.38	57.84 4.93 -5.45	49.84 4.83 -0.28
GOWANUS_GT3_5 24126	44.41 2.71 0.06	38.12 2.43 0.00	34.79 2.28 0.00	33.61 2.23 0.00	34.37 2.34 0.00	35.50 2.14 0.00	41.88 2.71 0.06	46.71 3.50 0.01	48.81 3.99 0.00	49.68 4.39 0.00	51.81 5.05 -0.01	53.20 5.12 -1.54	58.93 5.11 -7.78	61.92 5.23 -10.35	64.14 5.17 -13.96	82.31 5.59 -29.37	95.49 6.13 -36.92	98.18 7.38 -29.79	98.24 8.85 -15.64	91.11 8.30 -11.79	80.70 6.92 -9.14	61.95 5.52 -2.38	57.84 4.93 -5.45	49.84 4.83 -0.28
GOWANUS_GT3_6 24127	44.41 2.71 0.06	38.12 2.43 0.00	34.79 2.28 0.00	33.61 2.23 0.00	34.37 2.34 0.00	35.50 2.14 0.00	41.88 2.71 0.06	46.71 3.50 0.01	48.81 3.99 0.00	49.68 4.39 0.00	51.81 5.05 -0.01	53.20 5.12 -1.54	58.93 5.11 -7.78	61.92 5.23 -10.35	64.14 5.17 -13.96	82.31 5.59 -29.37	95.49 6.13 -36.92	98.18 7.38 -29.79	98.24 8.85 -15.64	91.11 8.30 -11.79	80.70 6.92 -9.14	61.95 5.52 -2.38	57.84 4.93 -5.45	49.84 4.83 -0.28
GOWANUS_GT3_7 24128	44.41 2.71 0.06	38.12 2.43 0.00	34.79 2.28 0.00	33.61 2.23 0.00	34.37 2.34 0.00	35.50 2.14 0.00	41.88 2.71 0.06	46.71 3.50 0.01	48.81 3.99 0.00	49.68 4.39 0.00	51.81 5.05 -0.01	53.20 5.12 -1.54	58.93 5.11 -7.78	61.92 5.23 -10.35	64.14 5.17 -13.96	82.31 5.59 -29.37	95.49 6.13 -36.92	98.18 7.38 -29.79	98.24 8.85 -15.64	91.11 8.30 -11.79	80.70 6.92 -9.14	61.95 5.52 -2.38	57.84 4.93 -5.45	49.84 4.83 -0.28
GOWANUS_GT3_8 24129	44.41 2.71 0.06	38.12 2.43 0.00	34.79 2.28 0.00	33.61 2.23 0.00	34.37 2.34 0.00	35.50 2.14 0.00	41.88 2.71 0.06	46.71 3.50 0.01	48.81 3.99 0.00	49.68 4.39 0.00	51.81 5.05 -0.01	53.20 5.12 -1.54	58.93 5.11 -7.78	61.92 5.23 -10.35	64.14 5.17 -13.96	82.31 5.59 -29.37	95.49 6.13 -36.92	98.18 7.38 -29.79	98.24 8.85 -15.64	91.11 8.30 -11.79	80.70 6.92 -9.14	61.95 5.52 -2.38	57.84 4.93 -5.45	49.84 4.83 -0.28
GOWANUS_GT4_1 24130	44.49 2.80 0.06	38.15 2.46 0.00	34.79 2.28 0.00	33.61 2.23 0.00	34.37 2.34 0.00	35.54 2.17 0.00	41.92 2.75 0.06	46.72 3.50 0.01	48.82 3.99 0.00	49.68 4.39 0.00	51.81 5.05 -0.01	53.20 5.12 -1.54	58.93 5.11 -7.78	61.87 5.19 -10.35	64.15 5.18 -13.96	82.27 5.54 -29.37	95.49 6.13 -36.92	98.13 7.32 -29.79	98.17 8.78 -15.64	91.19 8.38 -11.79	80.69 6.92 -9.14	62.11 5.68 -2.38	57.84 4.94 -5.45	49.83 4.83 -0.28
GOWANUS_GT4_2 24131	44.49 2.80 0.06	38.15 2.46 0.00	34.79 2.28 0.00	33.61 2.23 0.00	34.37 2.34 0.00	35.54 2.17 0.00	41.92 2.75 0.06	46.72 3.50 0.01	48.82 3.99 0.00	49.68 4.39 0.00	51.81 5.05 -0.01	53.20 5.12 -1.54	58.93 5.11 -7.78	61.87 5.19 -10.35	64.15 5.18 -13.96	82.27 5.54 -29.37	95.49 6.13 -36.92	98.13 7.32 -29.79	98.17 8.78 -15.64	91.19 8.38 -11.79	80.69 6.92 -9.14	62.11 5.68 -2.38	57.84 4.94 -5.45	49.83 4.83 -0.28
GOWANUS_GT4_3 24132	44.49 2.80 0.06	38.15 2.46 0.00	34.79 2.28 0.00	33.61 2.23 0.00	34.37 2.34 0.00	35.54 2.17 0.00	41.92 2.75 0.06	46.72 3.50 0.01	48.82 3.99 0.00	49.68 4.39 0.00	51.81 5.05 -0.01	53.20 5.12 -1.54	58.93 5.11 -7.78	61.87 5.19 -10.35	64.15 5.18 -13.96	82.27 5.54 -29.37	95.49 6.13 -36.92	98.13 7.32 -29.79	98.17 8.78 -15.64	91.19 8.38 -11.79	80.69 6.92 -9.14	62.11 5.68 -2.38	57.84 4.94 -5.45	49.83 4.83 -0.28

GOWANUS_GT4_4 24133	44.49 2.80 0.06	38.15 2.46 0.00	34.79 2.28 0.00	33.61 2.23 0.00	34.37 2.34 0.00	35.54 2.17 0.00	41.92 2.75 0.06	46.72 3.50 0.01	48.82 3.99 0.00	49.68 4.39 0.00	51.81 5.05 -0.01	53.20 5.12 -1.54	58.93 5.11 -7.78	61.87 5.19 -10.35	64.15 5.18 -13.96	82.27 5.54 -29.37	95.49 6.13 -36.92	98.13 7.32 -29.79	98.17 8.78 -15.64	91.19 8.38 -11.79	80.69 6.92 -9.14	62.11 5.68 -2.38	57.84 4.94 -5.45	49.83 4.83 -0.28
GOWANUS_GT4_5 24134	44.49 2.80 0.06	38.15 2.46 0.00	34.79 2.28 0.00	33.61 2.23 0.00	34.37 2.34 0.00	35.54 2.17 0.00	41.92 2.75 0.06	46.72 3.50 0.01	48.82 3.99 0.00	49.68 4.39 0.00	51.81 5.05 -0.01	53.20 5.12 -1.54	58.93 5.11 -7.78	61.87 5.19 -10.35	64.15 5.18 -13.96	82.27 5.54 -29.37	95.49 6.13 -36.92	98.13 7.32 -29.79	98.17 8.78 -15.64	91.19 8.38 -11.79	80.69 6.92 -9.14	62.11 5.68 -2.38	57.84 4.94 -5.45	49.83 4.83 -0.28
GOWANUS_GT4_6 24135	44.49 2.80 0.06	38.15 2.46 0.00	34.79 2.28 0.00	33.61 2.23 0.00	34.37 2.34 0.00	35.54 2.17 0.00	41.92 2.75 0.06	46.72 3.50 0.01	48.82 3.99 0.00	49.68 4.39 0.00	51.81 5.05 -0.01	53.20 5.12 -1.54	58.93 5.11 -7.78	61.87 5.19 -10.35	64.15 5.18 -13.96	82.27 5.54 -29.37	95.49 6.13 -36.92	98.13 7.32 -29.79	98.17 8.78 -15.64	91.19 8.38 -11.79	80.69 6.92 -9.14	62.11 5.68 -2.38	57.84 4.94 -5.45	49.83 4.83 -0.28
GOWANUS_GT4_7 24136	44.49 2.80 0.06	38.15 2.46 0.00	34.79 2.28 0.00	33.61 2.23 0.00	34.37 2.34 0.00	35.54 2.17 0.00	41.92 2.75 0.06	46.72 3.50 0.01	48.82 3.99 0.00	49.68 4.39 0.00	51.81 5.05 -0.01	53.20 5.12 -1.54	58.93 5.11 -7.78	61.87 5.19 -10.35	64.15 5.18 -13.96	82.27 5.54 -29.37	95.49 6.13 -36.92	98.13 7.32 -29.79	98.17 8.78 -15.64	91.19 8.38 -11.79	80.69 6.92 -9.14	62.11 5.68 -2.38	57.84 4.94 -5.45	49.83 4.83 -0.28
GOWANUS_GT4_8 24137	44.49 2.80 0.06	38.15 2.46 0.00	34.79 2.28 0.00	33.61 2.23 0.00	34.37 2.34 0.00	35.54 2.17 0.00	41.92 2.75 0.06	46.72 3.50 0.01	48.82 3.99 0.00	49.68 4.39 0.00	51.81 5.05 -0.01	53.20 5.12 -1.54	58.93 5.11 -7.78	61.87 5.19 -10.35	64.15 5.18 -13.96	82.27 5.54 -29.37	95.49 6.13 -36.92	98.13 7.32 -29.79	98.17 8.78 -15.64	91.19 8.38 -11.79	80.69 6.92 -9.14	62.11 5.68 -2.38	57.84 4.94 -5.45	49.83 4.83 -0.28
GREENBSH_115KV_TB3 55895	42.63 0.88 0.00	36.62 0.93 0.00	33.40 0.88 0.00	32.26 0.88 0.00	32.90 0.86 0.00	34.23 0.87 0.00	40.22 0.98 0.00	44.49 1.21 -0.06	45.99 1.17 0.00	46.47 1.18 0.00	47.91 1.17 0.00	47.66 1.12 0.00	47.14 1.10 0.00	48.16 1.20 -0.61	49.02 1.04 -2.97	51.90 0.99 -3.55	57.81 1.15 -4.22	65.40 1.65 -2.74	75.82 2.07 0.00	76.80 2.06 -3.73	80.55 1.81 -14.10	62.09 1.57 -6.47	54.57 1.38 -5.74	46.73 1.21 -0.80
GREENDGE_115KV_TB5 80291	57.17 -1.46 -16.88	51.63 -0.71 -16.66	47.35 -0.33 -15.16	45.51 -0.41 -14.54	46.05 -0.29 -14.31	48.75 -0.17 -15.55	55.11 -0.67 -16.54	60.97 -1.47 -19.22	64.51 -1.30 -20.99	64.94 -1.49 -21.14	66.28 -1.87 -21.41	65.14 -2.00 -20.60	64.43 -1.98 -20.37	65.89 -1.95 -21.50	63.96 -2.07 -21.02	63.55 -2.04 -18.23	73.28 -2.10 -22.94	89.68 -3.23 -31.90	129.41 -3.39 -59.05	112.31 -3.05 -44.35	80.18 -2.71 -18.26	68.08 -2.16 -16.19	60.17 -2.09 -14.81	58.52 -2.15 -15.95
GREENIDGE___3 23582	57.17 -1.46 -16.88	51.63 -0.71 -16.66	47.35 -0.33 -15.16	45.51 -0.41 -14.54	46.05 -0.29 -14.31	48.75 -0.17 -15.55	55.11 -0.67 -16.54	60.97 -1.47 -19.22	64.51 -1.30 -20.99	64.94 -1.49 -21.14	66.28 -1.87 -21.41	65.14 -2.00 -20.60	64.43 -1.98 -20.37	65.89 -1.95 -21.50	63.96 -2.07 -21.02	63.55 -2.04 -18.23	73.28 -2.10 -22.94	89.68 -3.23 -31.90	129.41 -3.39 -59.05	112.31 -3.05 -44.35	80.18 -2.71 -18.26	68.08 -2.16 -16.19	60.17 -2.09 -14.81	58.52 -2.15 -15.95
GREENIDGE___4 23583	60.82 -1.46 -20.53	54.30 -0.64 -19.25	49.74 -0.33 -17.55	47.83 -0.41 -16.86	49.02 -0.29 -17.28	51.20 -0.17 -18.00	57.63 -0.86 -19.25	63.97 -1.47 -22.22	67.67 -1.30 -24.15	68.12 -1.49 -24.32	69.52 -1.87 -24.65	69.43 -2.00 -24.88	68.67 -1.98 -24.61	69.12 -1.94 -24.73	67.35 -1.85 -24.18	66.94 -1.85 -21.44	76.98 -1.94 -26.49	85.98 -2.99 -27.96	129.64 -3.17 -59.05	112.60 -2.77 -44.35	80.43 -2.46 -18.26	68.30 -1.94 -16.19	60.18 -2.09 -14.81	58.52 -2.15 -15.95
GREENLWN_69_KV_BK 3 55738	44.95 3.26 0.06	38.58 2.89 0.00	34.92 2.41 0.00	33.73 2.35 0.00	34.47 2.43 0.00	35.90 2.54 0.00	42.32 3.14 0.06	48.38 4.02 -1.14	49.28 4.44 -0.02	51.39 4.67 -1.43	51.97 4.86 -0.37	52.72 4.98 -1.20	57.52 5.02 -6.46	55.40 5.05 -4.01	54.99 4.91 -5.07	60.07 4.92 -7.79	70.16 5.03 -12.69	94.50 6.16 -27.33	93.45 7.30 -12.40	84.63 6.46 -7.15	74.97 5.24 -5.10	60.85 4.43 -2.37	53.30 3.75 -2.10	49.82 4.83 -0.27
GREENWD_138_KV_38B11_REV_LBMP_J 345004	44.49 2.80 0.06	38.15 2.46 0.00	34.79 2.28 0.00	33.61 2.23 0.00	34.37 2.34 0.00	35.54 2.17 0.00	41.92 2.75 0.06	46.72 3.50 0.01	48.82 3.99 0.00	49.68 4.39 0.00	51.81 5.05 -0.01	53.20 5.12 -1.54	58.93 5.11 -7.78	61.92 5.24 -10.35	64.15 5.18 -13.96	82.32 5.59 -29.37	95.49 6.13 -36.92	98.19 7.38 -29.79	98.17 8.78 -15.64	91.19 8.38 -11.79	80.69 6.92 -9.14	62.11 5.68 -2.38	57.84 4.94 -5.45	49.83 4.83 -0.28
GRISSOM___SOLAR 323813	44.11 2.42 0.06	37.87 2.18 0.00	34.50 1.98 0.00	33.29 1.91 0.00	33.99 1.95 0.00	35.40 2.04 0.00	41.73 2.55 0.06	46.10 2.81 -0.07	47.33 2.51 0.00	47.38 2.08 0.00	48.47 1.73 0.01	47.94 1.40 0.00	47.14 1.10 0.00	47.64 0.97 -0.33	47.28 0.68 -1.59	50.15 0.90 -1.90	55.88 1.15 -2.29	64.79 2.26 -1.52	77.50 3.76 0.01	77.98 4.83 -2.13	91.67 4.91 -22.12	68.16 3.94 -10.17	59.90 3.42 -9.02	49.09 3.13 -1.24
GROVEVILLE___HYD 323602	44.15 2.46 0.06	37.90 2.21 0.00	34.50 1.98 0.00	33.36 1.98 0.00	34.08 2.05 0.00	35.37 2.00 0.00	41.69 2.51 0.06	46.37 3.16 0.00	48.28 3.45 0.00	48.96 3.67 0.00	50.94 4.21 0.01	50.73 4.19 0.00	50.32 4.28 0.00	51.71 4.36 -1.02	54.50 4.55 -4.94	59.23 4.97 -6.91	68.26 5.56 -10.27	94.14 6.77 -26.36	93.86 8.19 -11.92	85.75 7.74 -7.00	76.56 6.59 -5.33	61.60 5.08 -2.47	53.96 4.32 -2.19	49.07 4.07 -0.28
GRS_LOCK_115KV_LINE_2_SOLVAY 80269	41.29 -0.46 0.00	35.33 -0.36 0.00	32.19 -0.33 0.00	31.07 -0.31 0.00	31.77 -0.26 0.00	33.13 -0.23 0.00	38.88 -0.35 0.00	42.66 -0.56 0.00	44.42 -0.40 0.00	44.88 -0.41 0.00	46.18 -0.56 0.00	45.85 -0.70 0.00	45.35 -0.69 0.00	45.64 -0.70 0.00	44.34 -0.68 0.00	46.74 -0.62 0.00	51.75 -0.68 0.00	61.48 -0.61 -1.08	76.77 -0.59 -3.61	72.80 -0.50 -2.28	64.18 -0.45 0.00	53.73 -0.32 0.00	47.03 -0.43 0.00	44.38 -0.49 -0.15
HAMLTNNY_34_KV_TB 80303	41.17 -0.58 0.00	35.23 -0.46 0.00	32.13 -0.39 0.00	30.97 -0.41 0.00	31.68 -0.35 0.00	33.07 -0.30 0.00	38.77 -0.47 0.00	42.53 -0.69 0.00	44.29 -0.54 0.00	44.75 -0.54 0.00	46.04 -0.70 0.00	45.71 -0.84 0.00	45.21 -0.83 0.00	45.46 -0.88 0.00	44.16 -0.86 0.00	46.60 -0.76 0.00	51.60 -0.84 0.00	61.31 -0.85 -1.16	76.86 -0.74 -3.85	72.80 -0.64 -2.43	64.05 -0.58 0.00	53.67 -0.38 0.00	46.98 -0.47 0.00	44.30 -0.58 -0.16

HAMPSHIRE___PAPER_HYD 323593	41.63 -0.12 0.00	35.37 -0.32 0.00	32.16 -0.36 0.00	31.03 -0.34 0.00	31.55 -0.48 0.00	32.93 -0.43 0.00	38.81 -0.43 0.00	42.75 -0.47 0.00	44.15 -0.67 0.00	44.34 -0.95 0.00	45.48 -1.26 0.00	45.29 -1.25 0.00	44.56 -1.48 0.00	44.58 -1.76 0.00	43.03 -1.98 0.00	45.18 -2.18 0.00	50.24 -2.20 0.00	58.51 -2.50 0.00	71.10 -2.65 0.00	68.32 -2.70 0.00	62.37 -2.26 0.00	52.16 -1.89 0.00	45.89 -1.56 0.00	43.42 -1.30 0.00
HARDSCRABBLE_WT_PWR 323673	41.25 -0.50 0.00	35.30 -0.39 0.00	32.16 -0.36 0.00	30.97 -0.41 0.00	31.49 -0.54 0.00	32.70 -0.67 0.00	38.41 -0.83 0.00	41.88 -1.34 0.00	43.52 -1.30 0.00	44.11 -1.18 0.00	45.58 -1.17 0.00	45.43 -1.12 0.00	44.84 -1.20 0.00	45.09 -1.25 0.00	43.66 -1.35 0.00	46.31 -1.04 0.00	51.18 -1.26 0.00	59.61 -1.40 0.00	72.13 -1.62 0.00	69.38 -1.63 0.00	63.21 -1.42 0.00	52.81 -1.24 0.00	46.50 -0.95 0.00	43.83 -0.89 0.00
HARRIMAN_69_KV_BK771_REV_LBMP_G 345025	43.73 2.05 0.07	37.58 1.89 0.00	34.21 1.69 0.00	33.04 1.66 0.00	33.76 1.73 0.00	35.07 1.70 0.00	41.29 2.12 0.07	45.89 2.68 0.01	47.78 2.96 0.00	48.51 3.22 0.00	50.47 3.74 0.01	50.36 3.82 0.00	50.00 3.96 0.00	51.39 4.03 -1.02	54.15 4.19 -4.96	64.48 4.59 -12.53	85.35 5.14 -27.77	92.01 6.22 -24.78	92.24 7.45 -11.04	85.03 7.03 -6.98	75.32 5.88 -4.81	60.76 4.49 -2.23	53.27 3.84 -1.98	48.64 3.67 -0.25
HARSNRAD_115KV_TB1 81005	24.57 -5.26 11.92	22.23 -4.50 8.96	20.29 -4.06 8.16	19.71 -3.83 7.84	20.20 -3.91 7.93	20.96 -4.04 8.37	22.84 -5.02 11.37	26.43 -5.49 11.30	28.48 -5.33 11.01	28.81 -5.39 11.09	29.10 -5.94 11.71	29.38 -6.00 11.16	28.97 -6.03 11.04	29.05 -6.02 11.27	27.98 -6.08 10.96	29.53 -6.01 11.81	30.94 -6.82 14.68	34.08 -8.24 18.69	38.12 -9.66 25.97	40.12 -9.16 21.73	40.39 -8.40 15.84	35.92 -6.65 11.49	32.00 -5.88 9.57	29.81 -5.72 9.19
HARZA MOOSE___RIVER 24016	42.09 0.33 0.00	35.87 0.18 0.00	32.62 0.10 0.00	31.47 0.09 0.00	32.03 0.00 0.00	33.37 0.00 0.00	39.32 0.08 0.00	43.35 0.13 0.00	44.83 0.00 0.00	45.06 -0.23 0.00	46.23 -0.51 0.00	45.99 -0.56 0.00	45.21 -0.83 0.00	45.46 -0.88 0.00	43.93 -1.08 0.00	46.31 -1.04 0.00	51.49 -0.94 0.00	60.16 -0.85 0.00	73.31 -0.44 0.00	70.30 -0.71 0.00	64.12 -0.52 0.00	53.56 -0.49 0.00	46.98 -0.47 0.00	44.32 -0.40 0.00
HDSNBRDG_115KV_BRDG_TB1 355580	41.00 -0.75 0.00	35.08 -0.61 0.00	32.00 -0.52 0.00	30.85 -0.53 0.00	31.55 -0.48 0.00	32.90 -0.47 0.00	38.61 -0.63 0.00	42.40 -0.82 0.00	44.15 -0.67 0.00	44.61 -0.68 0.00	45.90 -0.84 0.00	45.61 -0.93 0.00	45.12 -0.92 0.00	45.41 -0.93 0.00	44.11 -0.90 0.00	45.70 -0.85 0.80	50.49 -0.94 1.01	58.47 -1.04 1.50	70.52 -1.03 2.20	68.02 -0.99 2.01	61.93 -0.90 1.80	52.24 -0.70 1.10	46.01 -0.76 0.68	43.91 -0.80 0.00
HELLGATE_13_KV_LD 55870	44.36 2.67 0.06	38.08 2.39 0.00	34.79 2.28 0.00	33.64 2.26 0.00	34.40 2.37 0.00	35.57 2.20 0.00	41.96 2.79 0.06	46.76 3.54 0.01	48.86 4.03 0.00	49.68 4.39 0.00	51.81 5.05 -0.01	53.25 5.17 -1.54	59.02 5.20 -7.78	61.97 5.28 -10.35	64.28 5.31 -13.96	82.36 5.64 -29.37	95.60 6.24 -36.92	98.25 7.44 -29.79	98.24 8.85 -15.64	91.26 8.45 -11.79	80.82 7.05 -9.14	62.11 5.68 -2.38	57.74 4.84 -5.45	49.74 4.74 -0.28
HELLGT_W_13_KV_BRUCKNER_REV_LBMP_J 345018	44.36 2.67 0.06	38.08 2.39 0.00	34.79 2.28 0.00	33.64 2.26 0.00	34.40 2.37 0.00	35.57 2.20 0.00	41.96 2.79 0.06	46.76 3.54 0.01	48.86 4.03 0.00	49.68 4.39 0.00	51.81 5.05 -0.01	53.25 5.17 -1.54	59.02 5.20 -7.78	61.97 5.28 -10.35	64.28 5.31 -13.96	82.36 5.64 -29.37	95.60 6.24 -36.92	98.25 7.44 -29.79	98.24 8.85 -15.64	91.26 8.45 -11.79	80.82 7.05 -9.14	62.11 5.68 -2.38	57.74 4.84 -5.45	49.74 4.74 -0.28
HEMPSTEAD___ 23647	44.40 2.71 0.06	38.12 2.43 0.00	34.57 2.05 0.00	33.39 2.01 0.00	34.14 2.11 0.00	35.50 2.14 0.00	41.92 2.75 0.06	48.03 3.67 -1.14	48.96 4.12 -0.02	51.17 4.44 -1.43	51.97 4.86 -0.37	52.82 5.07 -1.20	57.66 5.16 -6.46	55.63 5.28 -4.01	55.30 5.22 -5.08	60.50 5.35 -7.79	70.74 5.61 -12.69	95.24 6.89 -27.34	94.35 8.19 -12.41	85.48 7.32 -7.15	75.68 5.94 -5.11	61.28 4.87 -2.37	53.68 4.13 -2.10	49.68 4.69 -0.27
HICKLING___1 23621	47.62 -0.84 -6.70	41.89 -0.61 -6.81	38.20 -0.52 -6.21	36.78 -0.56 -5.96	37.68 -0.48 -6.13	39.33 -0.40 -6.37	44.90 -0.59 -6.25	50.01 -0.82 -7.61	52.82 -0.54 -8.53	53.25 -0.63 -8.60	54.47 -0.89 -8.61	54.44 -0.93 -8.83	53.85 -0.92 -8.73	54.23 -0.88 -8.77	52.66 -1.04 -8.68	53.66 -0.95 -7.26	60.45 -1.00 -9.01	69.09 -1.28 -9.36	90.62 -1.18 -18.04	84.01 -0.92 -13.91	70.16 -0.84 -6.37	59.27 -0.59 -5.82	52.27 -0.66 -5.48	49.47 -0.80 -5.56
HICKLING___2 23622	47.62 -0.84 -6.70	41.89 -0.61 -6.81	38.20 -0.52 -6.21	36.78 -0.56 -5.96	37.68 -0.48 -6.13	39.33 -0.40 -6.37	44.90 -0.59 -6.25	50.01 -0.82 -7.61	52.82 -0.54 -8.53	53.25 -0.63 -8.60	54.47 -0.89 -8.61	54.44 -0.93 -8.83	53.85 -0.92 -8.73	54.23 -0.88 -8.77	52.66 -1.04 -8.68	53.66 -0.95 -7.26	60.45 -1.00 -9.01	69.09 -1.28 -9.36	90.62 -1.18 -18.04	84.01 -0.92 -13.91	70.16 -0.84 -6.37	59.27 -0.59 -5.82	52.27 -0.66 -5.48	49.47 -0.80 -5.56
HIGH FALLS___HY 23754	44.36 2.67 0.06	38.05 2.36 0.00	34.63 2.11 0.00	33.45 2.07 0.00	34.14 2.11 0.00	35.44 2.07 0.00	41.81 2.63 0.06	46.55 3.33 0.00	48.41 3.59 0.00	49.10 3.80 0.00	51.08 4.35 0.01	50.92 4.38 0.00	50.51 4.47 0.00	51.69 4.54 -0.81	53.70 4.77 -3.92	58.17 5.45 -5.37	66.43 6.19 -7.80	89.35 7.75 -20.59	92.47 9.44 -9.28	85.37 8.81 -5.55	78.59 7.76 -6.20	62.81 5.89 -2.86	54.98 4.98 -2.54	49.66 4.61 -0.33
HIGH_RIVER___SOLAR 323847	43.51 1.75 0.00	37.30 1.61 0.00	34.01 1.50 0.00	32.82 1.44 0.00	33.51 1.47 0.00	34.87 1.50 0.00	41.08 1.84 0.00	45.35 2.03 -0.10	46.62 1.79 0.00	46.78 1.49 0.00	48.05 1.31 0.00	47.66 1.12 0.00	47.14 1.10 0.00	47.70 1.02 -0.34	47.42 0.76 -1.65	50.22 0.90 -1.97	56.02 1.21 -2.37	64.72 2.08 -1.63	76.85 3.10 0.00	76.85 3.62 -2.21	91.21 3.49 -23.09	67.51 2.86 -10.60	59.32 2.47 -9.40	48.31 2.28 -1.31
HILLBURN___GT 23639	43.65 1.96 0.07	37.55 1.85 0.00	34.18 1.66 0.00	33.01 1.63 0.00	33.76 1.73 0.00	35.03 1.67 0.00	41.33 2.16 0.06	45.94 2.72 0.01	47.88 3.05 0.00	48.60 3.30 0.00	50.57 3.83 0.01	50.59 4.05 0.00	50.19 4.15 0.00	51.63 4.26 -1.03	54.36 4.36 -4.99	63.41 4.74 -11.32	81.62 5.24 -23.94	92.64 6.29 -25.35	92.62 7.53 -11.34	85.07 7.03 -7.03	75.33 5.82 -4.87	60.68 4.38 -2.26	53.35 3.89 -2.00	48.68 3.71 -0.25
HILLSIDE_115KV_TB1 80332	45.99 -1.04 -5.28	40.54 -0.79 -5.63	36.96 -0.68 -5.13	35.61 -0.69 -4.92	36.31 -0.64 -4.92	38.03 -0.60 -5.26	43.50 -0.82 -5.08	48.45 -1.04 -6.27	51.06 -0.85 -7.08	51.52 -0.91 -7.13	52.76 -1.12 -7.13	52.52 -1.12 -7.09	51.99 -1.06 -7.01	52.56 -1.07 -7.29	51.13 -1.13 -7.24	52.28 -0.99 -5.92	58.78 -1.10 -7.45	68.23 -1.34 -8.56	88.84 -1.33 -16.41	82.58 -1.14 -12.70	69.53 -1.10 -6.00	58.64 -0.81 -5.40	51.64 -0.90 -5.09	48.88 -0.94 -5.10

HISHELDN_WT_PWR 323625	6.22 -4.30 31.24	5.66 -3.57 26.47	5.14 -3.25 24.13	4.98 -3.23 23.17	5.07 -3.27 23.69	5.32 -3.30 24.74	5.63 -4.16 29.44	6.68 -4.67 31.87	7.22 -4.44 33.17	7.31 -4.57 33.41	7.35 -5.00 34.40	7.39 -5.07 34.08	7.32 -5.02 33.70	7.41 -5.01 33.93	7.41 -4.59 33.00	10.85 -4.93 31.58	8.17 -5.61 38.66	15.79 -6.77 38.45	14.06 -7.82 51.87	17.62 -7.17 46.22	21.36 -6.46 36.81	18.79 -5.19 30.07	16.36 -4.84 26.25	14.66 -4.78 25.27
HOLTSVILLE_IC_1 23690	44.95 3.26 0.06	38.62 2.93 0.00	34.92 2.41 0.00	33.70 2.32 0.00	34.43 2.40 0.00	35.87 2.50 0.00	42.32 3.14 0.06	48.64 4.28 -1.14	49.59 4.75 -0.02	51.75 5.03 -1.43	52.39 5.28 -0.37	53.00 5.26 -1.20	57.79 5.29 -6.46	55.77 5.42 -4.01	55.40 5.31 -5.08	60.36 5.21 -7.80	70.31 5.19 -12.69	94.62 6.29 -27.33	93.59 7.45 -12.40	84.56 6.39 -7.15	74.97 5.23 -5.10	60.96 4.54 -2.37	53.54 3.99 -2.10	50.08 5.10 -0.27
HOLTSVILLE_IC_10 23699	45.20 3.51 0.06	38.83 3.14 0.00	35.09 2.57 0.00	33.86 2.48 0.00	34.62 2.59 0.00	36.04 2.67 0.00	42.51 3.33 0.06	48.89 4.54 -1.14	49.91 5.06 -0.02	52.07 5.34 -1.43	52.72 5.61 -0.37	53.37 5.63 -1.20	58.21 5.71 -6.46	56.19 5.84 -4.01	55.81 5.72 -5.08	60.78 5.63 -7.80	70.74 5.61 -12.69	95.17 6.83 -27.33	94.19 8.04 -12.40	85.13 6.96 -7.15	75.43 5.69 -5.10	61.38 4.97 -2.37	53.87 4.32 -2.10	50.40 5.41 -0.27
HOLTSVILLE_IC_2 23691	44.95 3.26 0.06	38.62 2.93 0.00	34.92 2.41 0.00	33.70 2.32 0.00	34.43 2.40 0.00	35.87 2.50 0.00	42.32 3.14 0.06	48.64 4.28 -1.14	49.59 4.75 -0.02	51.75 5.03 -1.43	52.39 5.28 -0.37	53.00 5.26 -1.20	57.79 5.29 -6.46	55.77 5.42 -4.01	55.40 5.31 -5.08	60.36 5.21 -7.80	70.31 5.19 -12.69	94.62 6.29 -27.33	93.59 7.45 -12.40	84.56 6.39 -7.15	74.97 5.23 -5.10	60.96 4.54 -2.37	53.54 3.99 -2.10	50.08 5.10 -0.27
HOLTSVILLE_IC_3 23692	44.95 3.26 0.06	38.62 2.93 0.00	34.92 2.41 0.00	33.70 2.32 0.00	34.43 2.40 0.00	35.87 2.50 0.00	42.32 3.14 0.06	48.64 4.28 -1.14	49.59 4.75 -0.02	51.75 5.03 -1.43	52.39 5.28 -0.37	53.00 5.26 -1.20	57.79 5.29 -6.46	55.77 5.42 -4.01	55.40 5.31 -5.08	60.36 5.21 -7.80	70.31 5.19 -12.69	94.62 6.29 -27.33	93.59 7.45 -12.40	84.56 6.39 -7.15	74.97 5.23 -5.10	60.96 4.54 -2.37	53.54 3.99 -2.10	50.08 5.10 -0.27
HOLTSVILLE_IC_4 23693	44.95 3.26 0.06	38.62 2.93 0.00	34.92 2.41 0.00	33.70 2.32 0.00	34.43 2.40 0.00	35.87 2.50 0.00	42.32 3.14 0.06	48.64 4.28 -1.14	49.59 4.75 -0.02	51.75 5.03 -1.43	52.39 5.28 -0.37	53.00 5.26 -1.20	57.79 5.29 -6.46	55.77 5.42 -4.01	55.40 5.31 -5.08	60.36 5.21 -7.80	70.31 5.19 -12.69	94.62 6.29 -27.33	93.59 7.45 -12.40	84.56 6.39 -7.15	74.97 5.23 -5.10	60.96 4.54 -2.37	53.54 3.99 -2.10	50.08 5.10 -0.27
HOLTSVILLE_IC_5 23694	44.95 3.26 0.06	38.62 2.93 0.00	34.92 2.41 0.00	33.70 2.32 0.00	34.43 2.40 0.00	35.87 2.50 0.00	42.32 3.14 0.06	48.64 4.28 -1.14	49.59 4.75 -0.02	51.75 5.03 -1.43	52.39 5.28 -0.37	53.00 5.26 -1.20	57.79 5.29 -6.46	55.77 5.42 -4.01	55.40 5.31 -5.08	60.36 5.21 -7.80	70.31 5.19 -12.69	94.62 6.29 -27.33	93.59 7.45 -12.40	84.56 6.39 -7.15	74.97 5.23 -5.10	60.96 4.54 -2.37	53.54 3.99 -2.10	50.08 5.10 -0.27
HOLTSVILLE_IC_6 23695	45.20 3.51 0.06	38.83 3.14 0.00	35.09 2.57 0.00	33.86 2.48 0.00	34.62 2.59 0.00	36.04 2.67 0.00	42.51 3.33 0.06	48.89 4.54 -1.14	49.91 5.06 -0.02	52.07 5.34 -1.43	52.72 5.61 -0.37	53.37 5.63 -1.20	58.21 5.71 -6.46	56.19 5.84 -4.01	55.81 5.72 -5.08	60.78 5.63 -7.80	70.74 5.61 -12.69	95.17 6.83 -27.33	94.19 8.04 -12.40	85.13 6.96 -7.15	75.43 5.69 -5.10	61.38 4.97 -2.37	53.87 4.32 -2.10	50.40 5.41 -0.27
HOLTSVILLE_IC_7 23696	45.20 3.51 0.06	38.83 3.14 0.00	35.09 2.57 0.00	33.86 2.48 0.00	34.62 2.59 0.00	36.04 2.67 0.00	42.51 3.33 0.06	48.89 4.54 -1.14	49.91 5.06 -0.02	52.07 5.34 -1.43	52.72 5.61 -0.37	53.37 5.63 -1.20	58.21 5.71 -6.46	56.19 5.84 -4.01	55.81 5.72 -5.08	60.78 5.63 -7.80	70.74 5.61 -12.69	95.17 6.83 -27.33	94.19 8.04 -12.40	85.13 6.96 -7.15	75.43 5.69 -5.10	61.38 4.97 -2.37	53.87 4.32 -2.10	50.40 5.41 -0.27
HOLTSVILLE_IC_8 23697	45.20 3.51 0.06	38.83 3.14 0.00	35.09 2.57 0.00	33.86 2.48 0.00	34.62 2.59 0.00	36.04 2.67 0.00	42.51 3.33 0.06	48.89 4.54 -1.14	49.91 5.06 -0.02	52.07 5.34 -1.43	52.72 5.61 -0.37	53.37 5.63 -1.20	58.21 5.71 -6.46	56.19 5.84 -4.01	55.81 5.72 -5.08	60.78 5.63 -7.80	70.74 5.61 -12.69	95.17 6.83 -27.33	94.19 8.04 -12.40	85.13 6.96 -7.15	75.43 5.69 -5.10	61.38 4.97 -2.37	53.87 4.32 -2.10	50.40 5.41 -0.27
HOLTSVILLE_IC_9 23698	45.20 3.51 0.06	38.83 3.14 0.00	35.09 2.57 0.00	33.86 2.48 0.00	34.62 2.59 0.00	36.04 2.67 0.00	42.51 3.33 0.06	48.89 4.54 -1.14	49.91 5.06 -0.02	52.07 5.34 -1.43	52.72 5.61 -0.37	53.37 5.63 -1.20	58.21 5.71 -6.46	56.19 5.84 -4.01	55.81 5.72 -5.08	60.78 5.63 -7.80	70.74 5.61 -12.69	95.17 6.83 -27.33	94.19 8.04 -12.40	85.13 6.96 -7.15	75.43 5.69 -5.10	61.38 4.97 -2.37	53.87 4.32 -2.10	50.40 5.41 -0.27
HOMER_HL_115KV_TB2 355744	25.44 -2.96 13.34	23.14 -2.53 10.02	21.01 -2.37 9.13	20.38 -2.23 8.77	20.84 -2.27 8.92	21.66 -2.34 9.37	23.70 -2.86 12.67	27.34 -3.16 12.72	29.36 -2.96 12.51	29.75 -2.94 12.60	30.22 -3.27 13.26	30.61 -3.17 12.77	30.28 -3.13 12.63	30.53 -3.01 12.79	29.55 -3.02 12.44	31.66 -2.75 12.95	33.60 -3.15 15.69	38.11 -3.97 18.93	44.37 -4.50 24.88	45.61 -4.05 21.36	44.12 -3.81 16.70	38.52 -3.08 12.45	34.06 -2.89 10.50	31.58 -2.91 10.23
HOWARD_WT_PWR 323690	82.10 -2.88 -43.23	73.51 -2.39 -40.21	66.86 -2.31 -36.65	64.01 -2.57 -35.20	65.44 -2.63 -36.04	68.29 -2.67 -37.59	76.48 -3.37 -40.61	85.94 -3.89 -46.61	91.66 -3.63 -50.46	92.22 -3.90 -50.82	93.97 -4.35 -51.57	94.08 -4.38 -51.92	93.19 -4.19 -51.34	93.72 -4.26 -51.65	91.29 -4.10 -50.37	87.61 -4.64 -44.89	102.74 -5.14 -55.44	103.64 -6.16 -48.79	140.46 -6.64 -73.35	129.72 -5.82 -64.53	106.48 -4.98 -46.82	91.40 -3.84 -41.18	80.88 -3.70 -37.13	77.31 -3.58 -36.17
HQ_GEN_CEDARS 23644	41.75 0.00 0.00	35.48 -0.21 0.00	32.32 -0.20 0.00	31.16 -0.22 0.00	31.74 -0.29 0.00	33.13 -0.23 0.00	39.00 -0.24 0.00	42.92 -0.30 0.00	44.42 -0.40 0.00	44.79 -0.50 0.00	46.18 -0.56 0.00	46.08 -0.47 0.00	45.53 -0.51 0.00	45.69 -0.65 0.00	44.34 -0.68 0.00	46.50 -0.85 0.00	51.44 -1.00 0.00	59.55 -1.46 0.00	71.83 -1.92 0.00	69.17 -1.85 0.00	63.08 -1.55 0.00	52.81 -1.24 0.00	46.55 -0.90 0.00	44.05 -0.67 0.00
HQ_GEN_CEDARS_PROXY 323590	41.75 0.00 0.00	35.48 -0.21 0.00	32.32 -0.19 0.00	31.16 -0.22 0.00	31.74 -0.29 0.00	33.14 -0.23 0.00	39.00 -0.23 0.00	42.92 -0.30 0.00	44.42 -0.40 0.00	44.79 -0.50 0.00	46.19 -0.56 0.00	46.08 -0.47 0.00	45.53 -0.51 0.00	45.69 -0.65 0.00	44.34 -0.67 0.00	46.41 -0.95 0.00	51.44 -1.00 0.00	59.49 -1.52 0.00	71.83 -1.92 0.00	69.17 -1.85 0.00	63.02 -1.61 0.00	52.75 -1.30 0.00	46.50 -0.95 0.00	44.05 -0.67 0.00

HQ_GEN_CHPE_PROXY 323851	44.03 2.34 0.06	37.87 2.18 0.00	34.50 1.98 0.00	33.36 1.98 0.00	34.11 2.08 0.00	35.37 2.00 0.00	41.73 2.55 0.06	46.50 3.28 0.01	48.54 3.72 0.00	49.37 4.08 0.00	51.39 4.63 -0.01	52.92 4.84 -1.53	58.72 4.93 -7.75	61.70 5.05 -10.31	64.02 5.08 -13.93	82.09 5.44 -29.29	95.25 5.98 -36.83	97.93 7.13 -29.79	97.93 8.55 -15.63	90.88 8.09 -11.78	80.55 6.78 -9.13	61.62 5.19 -2.38	57.44 4.56 -5.43	49.42 4.43 -0.28
HQ_GEN_IMPORT 323601	41.71 -0.04 0.00	35.51 -0.18 0.00	32.36 -0.16 0.00	31.22 -0.16 0.00	31.84 -0.19 0.00	33.20 -0.17 0.00	39.08 -0.16 0.00	43.01 -0.22 0.00	44.60 -0.22 0.00	45.02 -0.27 0.00	46.47 -0.28 0.00	46.31 -0.23 0.00	45.81 -0.23 0.00	46.06 -0.28 0.00	44.74 -0.27 0.00	47.03 -0.33 0.00	52.07 -0.36 0.00	60.40 -0.61 0.00	72.94 -0.81 0.00	70.30 -0.71 0.00	63.99 -0.65 0.00	53.56 -0.49 0.00	47.07 -0.38 0.00	44.41 -0.31 0.00
HQ_GEN_WHEEL 23651	41.71 -0.04 0.00	35.51 -0.18 0.00	32.36 -0.16 0.00	31.22 -0.16 0.00	31.84 -0.19 0.00	33.20 -0.17 0.00	39.08 -0.16 0.00	43.01 -0.22 0.00	44.60 -0.22 0.00	45.02 -0.27 0.00	46.47 -0.28 0.00	46.31 -0.23 0.00	45.81 -0.23 0.00	46.06 -0.28 0.00	44.74 -0.27 0.00	47.03 -0.33 0.00	52.07 -0.36 0.00	60.40 -0.61 0.00	72.94 -0.81 0.00	70.30 -0.71 0.00	63.99 -0.65 0.00	53.56 -0.49 0.00	47.07 -0.38 0.00	44.41 -0.31 0.00
HUDSON AVE_GT_3 23810	44.19 2.51 0.06	37.94 2.25 0.00	34.57 2.05 0.00	33.42 2.04 0.00	34.18 2.15 0.00	35.47 2.10 0.00	41.84 2.67 0.06	46.63 3.41 0.01	48.73 3.90 0.00	49.50 4.21 0.00	51.53 4.77 -0.01	53.09 5.03 -1.52	58.84 5.11 -7.69	61.82 5.24 -10.24	64.09 5.22 -13.86	82.07 5.59 -29.13	95.28 6.19 -36.65	98.16 7.38 -29.77	98.20 8.85 -15.60	91.21 8.45 -11.74	80.78 7.05 -9.10	61.94 5.51 -2.38	57.61 4.75 -5.41	49.56 4.56 -0.28
HUDSON AVE_GT_4 23540	44.19 2.51 0.06	37.94 2.25 0.00	34.57 2.05 0.00	33.42 2.04 0.00	34.18 2.15 0.00	35.47 2.10 0.00	41.84 2.67 0.06	46.63 3.41 0.01	48.73 3.90 0.00	49.50 4.21 0.00	51.53 4.77 -0.01	53.09 5.03 -1.52	58.84 5.11 -7.69	61.82 5.24 -10.24	64.09 5.22 -13.86	82.07 5.59 -29.13	95.28 6.19 -36.65	98.16 7.38 -29.77	98.20 8.85 -15.60	91.21 8.45 -11.74	80.78 7.05 -9.10	61.94 5.51 -2.38	57.61 4.75 -5.41	49.56 4.56 -0.28
HUDSON AVE_GT_5 23657	44.19 2.51 0.06	37.94 2.25 0.00	34.57 2.05 0.00	33.42 2.04 0.00	34.18 2.15 0.00	35.47 2.10 0.00	41.84 2.67 0.06	46.63 3.41 0.01	48.73 3.90 0.00	49.50 4.21 0.00	51.53 4.77 -0.01	53.09 5.03 -1.52	58.84 5.11 -7.69	61.82 5.24 -10.24	64.09 5.22 -13.86	82.07 5.59 -29.13	95.28 6.19 -36.65	98.16 7.38 -29.77	98.20 8.85 -15.60	91.21 8.45 -11.74	80.78 7.05 -9.10	61.94 5.51 -2.38	57.61 4.75 -5.41	49.56 4.56 -0.28
HUDSON_AVE_10 24168	44.11 2.42 0.06	37.90 2.21 0.00	34.47 1.95 0.00	33.32 1.95 0.00	34.08 2.05 0.00	35.37 2.00 0.00	41.73 2.55 0.06	46.54 3.33 0.01	48.64 3.81 0.00	49.41 4.12 0.00	51.34 4.58 -0.01	52.86 4.79 -1.52	58.66 4.93 -7.69	61.58 5.00 -10.24	63.91 5.04 -13.86	81.88 5.40 -29.13	95.12 6.03 -36.65	97.98 7.20 -29.77	97.98 8.63 -15.60	90.92 8.17 -11.74	80.58 6.85 -9.10	61.73 5.30 -2.38	57.46 4.60 -5.41	49.47 4.47 -0.28
HUDSON___115KV_TB 4 355613	43.51 1.75 0.00	37.37 1.68 0.00	34.05 1.53 0.00	32.89 1.51 0.00	33.54 1.51 0.00	34.87 1.50 0.00	40.96 1.73 0.00	45.13 1.86 -0.05	46.71 1.88 0.00	47.10 1.81 0.00	48.61 1.87 0.00	48.17 1.63 0.00	47.65 1.61 0.00	48.65 1.81 -0.50	49.20 1.76 -2.44	52.11 1.85 -2.91	58.11 2.20 -3.47	68.15 3.17 -3.97	78.76 4.13 -0.88	78.53 4.26 -3.25	80.56 3.55 -12.37	62.53 2.81 -5.67	54.86 2.37 -5.04	47.53 2.10 -0.70
HUNTER MOUNT___DRP 323613	43.76 2.00 0.00	37.55 1.86 0.00	34.24 1.72 0.00	33.04 1.66 0.00	33.70 1.67 0.00	35.00 1.63 0.00	41.12 1.88 0.00	45.17 1.90 -0.05	46.84 2.02 0.00	47.24 1.95 0.00	48.71 1.96 0.00	48.27 1.72 0.00	47.70 1.66 0.00	48.79 1.95 -0.50	49.38 1.94 -2.43	52.39 2.13 -2.91	58.43 2.52 -3.48	70.58 3.66 -5.91	80.40 4.72 -1.93	79.27 4.90 -3.36	79.66 3.81 -11.22	62.11 2.92 -5.15	54.44 2.42 -4.57	47.50 2.15 -0.64
HUNTINGTON_RES_REC 323705	44.90 3.22 0.06	38.58 2.89 0.00	34.86 2.34 0.00	33.67 2.29 0.00	34.40 2.37 0.00	35.80 2.43 0.00	42.28 3.10 0.06	48.59 4.24 -1.14	49.55 4.71 -0.02	51.75 5.03 -1.43	52.35 5.23 -0.37	53.05 5.30 -1.20	57.89 5.38 -6.46	55.81 5.47 -4.01	55.44 5.35 -5.07	60.49 5.35 -7.79	70.52 5.40 -12.69	94.93 6.59 -27.33	93.89 7.74 -12.40	84.84 6.67 -7.15	75.23 5.49 -5.10	61.06 4.65 -2.37	53.54 3.99 -2.10	50.13 5.14 -0.27
HUNTLEY___63 23557	23.45 -5.14 13.17	21.46 -4.43 9.81	19.58 -4.00 8.94	19.03 -3.77 8.58	19.49 -3.84 8.70	20.23 -3.97 9.17	21.83 -4.87 12.55	25.37 -5.36 12.49	27.47 -5.16 12.20	27.84 -5.16 12.29	28.03 -5.75 12.96	28.37 -5.77 12.40	27.98 -5.80 12.26	28.12 -5.75 12.48	27.07 -5.81 12.13	28.87 -5.64 12.85	30.39 -6.40 15.65	33.42 -7.81 19.78	37.79 -9.15 26.82	39.67 -8.73 22.61	39.73 -7.89 17.02	35.27 -6.32 12.46	31.41 -5.60 10.44	29.14 -5.46 10.12
HUNTLEY___64 23558	23.45 -5.14 13.17	21.46 -4.43 9.81	19.58 -4.00 8.94	19.03 -3.77 8.58	19.49 -3.84 8.70	20.23 -3.97 9.17	21.83 -4.87 12.55	25.37 -5.36 12.49	27.47 -5.16 12.20	27.84 -5.16 12.29	28.03 -5.75 12.96	28.37 -5.77 12.40	27.98 -5.80 12.26	28.12 -5.75 12.48	27.07 -5.81 12.13	28.87 -5.64 12.85	30.39 -6.40 15.65	33.42 -7.81 19.78	37.79 -9.15 26.82	39.67 -8.73 22.61	39.73 -7.89 17.02	35.27 -6.32 12.46	31.41 -5.60 10.44	29.14 -5.46 10.12
HUNTLEY___65 23559	23.45 -5.14 13.17	21.46 -4.43 9.81	19.58 -4.00 8.94	19.03 -3.77 8.58	19.49 -3.84 8.70	20.23 -3.97 9.17	21.83 -4.87 12.55	25.37 -5.36 12.49	27.47 -5.16 12.20	27.84 -5.16 12.29	28.03 -5.75 12.96	28.37 -5.77 12.40	27.98 -5.80 12.26	28.12 -5.75 12.48	27.07 -5.81 12.13	28.87 -5.64 12.85	30.39 -6.40 15.65	33.42 -7.81 19.78	37.79 -9.15 26.82	39.67 -8.73 22.61	39.73 -7.89 17.02	35.27 -6.32 12.46	31.41 -5.60 10.44	29.14 -5.46 10.12
HUNTLEY___66 23560	23.45 -5.14 13.17	21.46 -4.43 9.81	19.58 -4.00 8.94	19.03 -3.77 8.58	19.49 -3.84 8.70	20.23 -3.97 9.17	21.83 -4.87 12.55	25.37 -5.36 12.49	27.47 -5.16 12.20	27.84 -5.16 12.29	28.03 -5.75 12.96	28.37 -5.77 12.40	27.98 -5.80 12.26	28.12 -5.75 12.48	27.07 -5.81 12.13	28.87 -5.64 12.85	30.39 -6.40 15.65	33.42 -7.81 19.78	37.79 -9.15 26.82	39.67 -8.73 22.61	39.73 -7.89 17.02	35.27 -6.32 12.46	31.41 -5.60 10.44	29.14 -5.46 10.12
HUNTLEY___67 23561	21.70 -5.18 14.88	20.15 -4.43 11.12	18.39 -4.00 10.13	17.86 -3.80 9.73	18.28 -3.88 9.88	18.97 -4.00 10.39	20.15 -4.94 14.15	23.57 -5.45 14.20	25.58 -5.29 13.96	25.89 -5.34 14.06	26.11 -5.84 14.80	26.46 -5.86 14.22	26.13 -5.85 14.06	26.22 -5.84 14.28	25.23 -5.90 13.89	27.11 -5.82 14.42	28.92 -6.55 16.96	31.62 -7.93 21.46	36.24 -9.29 28.22	38.28 -8.81 23.93	37.93 -8.01 18.69	33.62 -6.49 13.94	29.94 -5.74 11.78	27.66 -5.59 11.47



HUNTLEY___68 23562	21.70 -5.18 14.88	20.15 -4.43 11.12	18.39 -4.00 10.13	17.86 -3.80 9.73	18.28 -3.88 9.88	18.97 -4.00 10.39	20.15 -4.94 14.15	23.57 -5.45 14.20	25.58 -5.29 13.96	25.89 -5.34 14.06	26.11 -5.84 14.80	26.46 -5.86 14.22	26.13 -5.85 14.06	26.22 -5.84 14.28	25.23 -5.90 13.89	27.11 -5.82 14.42	28.92 -6.55 16.96	31.62 -7.93 21.46	36.24 -9.29 28.22	38.28 -8.81 23.93	37.93 -8.01 18.69	33.62 -6.49 13.94	29.94 -5.74 11.78	27.66 -5.59 11.47
HYLAND___LFGE 323620	79.24 -1.09 -38.57	70.44 -0.96 -35.71	64.19 -0.88 -32.55	61.70 -0.94 -31.26	63.19 -0.83 -31.99	66.05 -0.70 -33.39	74.44 -1.06 -36.26	83.19 -1.51 -41.48	87.86 -1.79 -44.83	88.08 -2.36 -45.15	89.56 -3.04 -45.85	89.29 -3.35 -46.10	88.27 -3.36 -45.58	88.81 -3.38 -45.85	86.64 -2.97 -44.60	83.65 -2.79 -39.09	97.69 -2.99 -48.25	98.79 -3.11 -40.89	128.12 -2.58 -56.95	121.56 -1.35 -51.89	105.40 -0.58 -41.35	90.42 -0.27 -36.64	79.88 -0.81 -33.23	76.12 -1.16 -32.56
INDECK___CORINTH 23802	44.76 3.01 0.00	38.37 2.68 0.00	34.96 2.44 0.00	33.73 2.35 0.00	34.43 2.40 0.00	35.80 2.43 0.00	42.34 3.10 0.00	46.86 3.54 -0.10	48.32 3.50 0.00	48.96 3.67 0.00	50.58 3.83 0.00	49.57 3.02 0.00	48.76 2.72 0.00	49.39 2.59 -0.46	49.32 2.07 -2.24	50.55 0.52 -2.67	56.67 1.05 -3.18	65.21 2.01 -2.19	76.92 3.17 0.00	77.75 3.76 -2.97	90.90 3.94 -22.33	67.43 3.13 -10.24	59.25 2.70 -9.09	49.93 3.94 -1.27
INDECK___ILION 23567	41.63 -0.13 0.00	35.62 -0.07 0.00	32.45 -0.07 0.00	31.29 -0.09 0.00	31.87 -0.16 0.00	33.17 -0.20 0.00	38.96 -0.27 0.00	43.18 -0.04 0.00	44.74 -0.09 0.00	45.20 -0.09 0.00	46.60 -0.14 0.00	46.40 -0.14 0.00	45.86 -0.18 0.00	46.15 -0.19 0.00	44.79 -0.23 0.00	46.98 -0.38 0.00	52.02 -0.42 0.00	60.58 -0.43 0.00	73.31 -0.44 0.00	70.52 -0.50 0.00	64.18 -0.45 0.00	53.67 -0.38 0.00	47.17 -0.28 0.00	44.45 -0.27 0.00
INDECK___OLEAN 23982	25.14 -2.96 13.65	22.99 -2.46 10.24	20.84 -2.34 9.33	20.22 -2.20 8.96	20.56 -2.31 9.17	21.46 -2.34 9.57	23.40 -2.94 12.90	27.09 -3.15 12.97	29.05 -3.00 12.77	29.48 -2.94 12.86	29.94 -3.27 13.53	30.25 -3.17 13.13	29.92 -3.13 12.98	30.26 -3.01 13.06	29.87 -2.43 12.71	31.58 -2.56 13.22	33.30 -3.14 15.99	38.63 -3.78 18.60	44.52 -4.35 24.88	45.89 -3.77 21.36	44.44 -3.49 16.70	38.74 -2.87 12.45	34.10 -2.85 10.50	31.58 -2.91 10.23
INDECK___OSWEGO 23783	40.75 -1.00 0.00	34.87 -0.82 0.00	31.77 -0.75 0.00	30.66 -0.72 0.00	31.33 -0.70 0.00	32.70 -0.67 0.00	38.30 -0.94 0.00	42.06 -1.16 0.00	43.66 -1.17 0.00	44.07 -1.22 0.00	45.34 -1.40 0.00	45.05 -1.49 0.00	44.56 -1.48 0.00	44.81 -1.53 0.00	43.57 -1.44 0.00	48.35 -1.42 -2.41	53.90 -1.57 -3.03	63.73 -1.71 -4.43	78.28 -1.99 -6.52	75.17 -1.77 -5.93	68.35 -1.61 -5.33	56.01 -1.30 -3.26	48.24 -1.23 -2.02	43.47 -1.25 0.00
INDECK___YERKES 23781	23.01 -5.10 13.65	21.19 -4.36 10.15	19.36 -3.90 9.25	18.82 -3.67 8.88	19.10 -3.84 9.09	19.94 -3.94 9.49	21.31 -5.02 12.90	24.97 -5.36 12.89	27.01 -5.20 12.61	27.42 -5.16 12.70	27.60 -5.75 13.39	27.81 -5.77 12.96	27.47 -5.76 12.82	27.74 -5.70 12.90	27.51 -4.95 12.55	28.78 -5.30 13.27	29.81 -6.50 16.12	34.25 -7.51 19.26	38.01 -8.93 26.82	40.24 -8.16 22.61	40.11 -7.50 17.02	35.59 -6.00 12.46	31.55 -5.46 10.44	29.14 -5.46 10.12
INDIAN POINT_GT_1 24139	43.78 2.09 0.06	37.62 1.93 0.00	34.27 1.76 0.00	33.11 1.73 0.00	33.86 1.83 0.00	35.17 1.80 0.00	41.45 2.28 0.06	46.07 2.85 0.01	48.01 3.18 0.00	48.78 3.49 0.00	50.75 4.02 0.01	50.73 4.19 0.00	50.32 4.28 0.00	51.79 4.40 -1.05	54.52 4.46 -5.06	60.30 4.78 -8.16	71.60 5.30 -13.87	94.26 6.35 -26.91	93.52 7.60 -12.17	85.38 7.24 -7.12	75.64 5.95 -5.06	60.98 4.59 -2.34	53.52 3.99 -2.08	48.83 3.85 -0.27
INDIAN POINT_GT_2 23659	43.78 2.09 0.06	37.62 1.93 0.00	34.27 1.76 0.00	33.11 1.73 0.00	33.86 1.83 0.00	35.17 1.80 0.00	41.45 2.28 0.06	46.07 2.85 0.01	48.01 3.18 0.00	48.78 3.49 0.00	50.75 4.02 0.01	50.73 4.19 0.00	50.32 4.28 0.00	51.79 4.40 -1.05	54.52 4.46 -5.06	60.30 4.78 -8.16	71.60 5.30 -13.87	94.26 6.35 -26.91	93.52 7.60 -12.17	85.38 7.24 -7.12	75.64 5.95 -5.06	60.98 4.59 -2.34	53.52 3.99 -2.08	48.83 3.85 -0.27
INDIAN POINT_GT_3 24019	43.78 2.09 0.06	37.62 1.93 0.00	34.27 1.76 0.00	33.11 1.73 0.00	33.86 1.83 0.00	35.17 1.80 0.00	41.45 2.28 0.06	46.07 2.85 0.01	48.01 3.18 0.00	48.78 3.49 0.00	50.75 4.02 0.01	50.73 4.19 0.00	50.32 4.28 0.00	51.79 4.40 -1.05	54.52 4.46 -5.06	60.30 4.78 -8.16	71.60 5.30 -13.87	94.26 6.35 -26.91	93.52 7.60 -12.17	85.38 7.24 -7.12	75.64 5.95 -5.06	60.98 4.59 -2.34	53.52 3.99 -2.08	48.83 3.85 -0.27
INDIAN POINT___2 23530	43.69 2.00 0.07	37.55 1.85 0.00	34.18 1.66 0.00	33.04 1.66 0.00	33.76 1.73 0.00	35.07 1.70 0.00	41.33 2.16 0.06	45.98 2.77 0.01	47.92 3.09 0.00	48.69 3.40 0.00	50.66 3.93 0.01	50.64 4.10 0.00	50.27 4.23 0.00	51.69 4.31 -1.04	54.41 4.36 -5.03	60.53 4.69 -8.49	72.64 5.24 -14.97	93.63 6.29 -26.33	93.06 7.45 -11.87	85.14 7.03 -7.09	75.44 5.82 -4.99	60.74 4.38 -2.31	53.39 3.89 -2.05	48.74 3.76 -0.26
INDIAN POINT___3 23531	43.73 2.05 0.06	37.58 1.89 0.00	34.21 1.69 0.00	33.07 1.69 0.00	33.82 1.79 0.00	35.14 1.77 0.00	41.37 2.20 0.06	45.98 2.77 0.01	47.96 3.14 0.00	48.69 3.40 0.00	50.66 3.93 0.01	50.64 4.10 0.00	50.23 4.19 0.00	51.69 4.31 -1.05	54.43 4.37 -5.06	60.23 4.69 -8.19	71.59 5.19 -13.96	94.09 6.16 -26.92	93.31 7.38 -12.18	85.17 7.03 -7.13	75.51 5.82 -5.06	60.88 4.49 -2.34	53.42 3.89 -2.08	48.74 3.76 -0.27
INDIANHD_69_KV_BK1 55831	45.45 3.76 0.06	39.01 3.32 0.00	35.25 2.73 0.00	34.05 2.67 0.00	34.79 2.75 0.00	36.24 2.87 0.00	42.71 3.53 0.06	48.89 4.54 -1.14	49.77 4.93 -0.02	51.93 5.21 -1.43	52.53 5.42 -0.37	53.28 5.54 -1.20	58.12 5.62 -6.46	56.05 5.70 -4.01	55.67 5.58 -5.07	60.73 5.59 -7.79	70.73 5.61 -12.69	95.11 6.77 -27.33	94.11 7.97 -12.40	85.26 7.10 -7.15	75.55 5.82 -5.10	61.44 5.03 -2.37	53.82 4.27 -2.10	50.35 5.37 -0.27
INGHAM_C_115KV_TB7 356103	41.17 -0.58 0.00	35.26 -0.43 0.00	32.10 -0.42 0.00	30.94 -0.44 0.00	31.45 -0.58 0.00	32.67 -0.70 0.00	38.37 -0.86 0.00	42.66 -0.56 0.00	44.15 -0.67 0.00	44.61 -0.68 0.00	45.95 -0.79 0.00	45.75 -0.79 0.00	45.21 -0.83 0.00	45.50 -0.83 0.00	44.16 -0.86 0.00	46.27 -1.09 0.00	51.02 -1.42 0.00	59.48 -1.53 0.00	71.98 -1.77 0.00	69.31 -1.70 0.00	63.15 -1.49 0.00	52.75 -1.30 0.00	46.41 -1.04 0.00	43.78 -0.94 0.00
IP CORINTH___1 23988	44.72 2.96 0.00	38.37 2.68 0.00	34.96 2.44 0.00	33.73 2.35 0.00	34.43 2.40 0.00	35.84 2.47 0.00	42.26 3.02 0.00	46.86 3.54 -0.10	48.32 3.50 0.00	48.96 3.67 0.00	50.58 3.83 0.00	49.57 3.03 0.00	48.76 2.72 0.00	49.40 2.59 -0.46	49.36 2.12 -2.24	50.78 0.76 -2.67	56.93 1.31 -3.18	65.52 2.32 -2.19	77.29 3.54 0.00	78.18 4.19 -2.97	91.22 4.27 -22.33	67.70 3.41 -10.24	59.48 2.94 -9.09	49.93 3.94 -1.27

IP___TICONDEROGA 23804	45.97 4.22 0.00	39.44 3.75 0.00	35.90 3.38 0.00	34.64 3.26 0.00	35.33 3.30 0.00	36.77 3.40 0.00	43.44 4.20 0.00	48.12 4.80 -0.10	49.49 4.66 0.00	50.18 4.89 0.00	51.79 5.05 0.00	50.64 4.10 0.00	49.68 3.64 0.00	50.33 3.52 -0.47	50.18 2.88 -2.29	51.94 1.85 -2.73	58.21 2.52 -3.25	67.46 4.21 -2.24	79.80 6.05 0.00	81.30 7.24 -3.04	94.31 7.50 -22.18	70.23 6.00 -10.18	61.51 5.03 -9.03	51.66 5.68 -1.26
ISLIP_RES_REC 323679	45.36 3.68 0.06	38.97 3.28 0.00	35.22 2.70 0.00	33.98 2.60 0.00	34.72 2.69 0.00	36.17 2.80 0.00	42.71 3.53 0.06	49.11 4.75 -1.14	50.13 5.29 -0.02	52.34 5.61 -1.43	53.05 5.94 -0.37	53.70 5.96 -1.20	58.53 6.03 -6.46	56.56 6.21 -4.01	56.17 6.07 -5.08	61.22 6.06 -7.80	71.20 6.08 -12.69	95.66 7.32 -27.33	94.77 8.62 -12.40	85.69 7.52 -7.15	75.94 6.21 -5.10	61.77 5.35 -2.37	54.15 4.60 -2.10	50.67 5.68 -0.27
JAMAICA__27_KV_LOAD 355505	44.45 2.76 0.06	38.15 2.46 0.00	34.57 2.05 0.00	33.42 2.04 0.00	34.18 2.15 0.00	35.50 2.14 0.00	41.92 2.75 0.06	46.80 3.59 0.01	48.91 4.08 0.00	49.68 4.39 0.00	51.39 4.63 -0.01	52.86 4.79 -1.52	58.66 4.93 -7.69	61.63 5.05 -10.24	63.96 5.09 -13.86	82.03 5.54 -29.13	95.28 6.19 -36.65	98.22 7.44 -29.77	98.35 9.00 -15.60	91.28 8.52 -11.74	80.91 7.17 -9.10	61.94 5.51 -2.38	57.80 4.94 -5.41	49.78 4.79 -0.28
JANIS___SOLAR 323808	46.05 0.96 -3.33	39.86 0.86 -3.31	36.32 0.78 -3.02	34.97 0.69 -2.90	35.74 0.74 -2.98	37.33 0.87 -3.10	43.06 0.71 -3.12	47.61 0.65 -3.74	49.52 0.54 -4.16	49.66 0.18 -4.18	50.63 -0.32 -4.21	50.41 -0.42 -4.29	49.68 -0.60 -4.24	49.99 -0.65 -4.30	48.70 -0.67 -4.36	50.60 -0.43 -3.67	56.77 -0.21 -4.55	65.71 0.43 -4.27	84.15 1.47 -8.92	79.59 1.56 -7.01	70.56 1.62 -4.31	58.80 1.40 -3.35	51.53 0.95 -3.13	48.24 0.71 -2.80
JARVIS____ 23743	41.88 0.13 0.00	35.83 0.14 0.00	32.65 0.13 0.00	31.51 0.13 0.00	32.16 0.13 0.00	33.50 0.13 0.00	39.40 0.16 0.00	43.39 0.17 0.00	45.01 0.18 0.00	45.47 0.18 0.00	46.93 0.19 0.00	46.73 0.19 0.00	46.18 0.14 0.00	46.48 0.14 0.00	45.15 0.14 0.00	47.50 0.14 0.00	52.65 0.21 0.00	61.32 0.31 0.00	74.12 0.37 0.00	71.30 0.29 0.00	64.89 0.26 0.00	54.27 0.22 0.00	47.64 0.19 0.00	44.90 0.18 0.00
JENNISON___1 23625	44.49 1.25 -1.48	38.58 1.18 -1.71	35.15 1.07 -1.56	33.91 1.04 -1.49	34.56 1.06 -1.47	36.10 1.13 -1.60	41.32 0.63 -1.45	45.87 0.78 -1.87	47.83 0.85 -2.15	48.09 0.63 -2.17	49.22 0.33 -2.15	48.99 0.33 -2.12	48.23 0.09 -2.09	48.65 0.05 -2.27	47.33 -0.14 -2.46	49.45 0.14 -1.95	55.32 0.42 -2.47	64.75 0.92 -2.82	80.89 1.84 -5.29	76.83 1.49 -4.33	69.95 1.42 -3.90	57.88 1.24 -2.59	50.80 0.90 -2.44	47.23 0.80 -1.71
JENNISON___2 23626	44.49 1.25 -1.48	38.58 1.18 -1.71	35.15 1.07 -1.56	33.91 1.04 -1.49	34.56 1.06 -1.47	36.10 1.13 -1.60	41.32 0.63 -1.45	45.87 0.78 -1.87	47.83 0.85 -2.15	48.09 0.63 -2.17	49.22 0.33 -2.15	48.99 0.33 -2.12	48.23 0.09 -2.09	48.65 0.05 -2.27	47.33 -0.14 -2.46	49.45 0.14 -1.95	55.32 0.42 -2.47	64.75 0.92 -2.82	80.89 1.84 -5.29	76.83 1.49 -4.33	69.95 1.42 -3.90	57.88 1.24 -2.59	50.80 0.90 -2.44	47.23 0.80 -1.71
JERICHO_RISE_WT_PWR 323719	41.55 -0.21 0.00	35.33 -0.36 0.00	32.13 -0.39 0.00	30.94 -0.44 0.00	31.52 -0.51 0.00	32.90 -0.47 0.00	38.49 -0.75 0.00	42.23 -0.99 0.00	43.66 -1.17 0.00	43.98 -1.31 0.00	45.44 -1.31 0.00	45.33 -1.21 0.00	44.89 -1.15 0.00	45.13 -1.21 0.00	43.84 -1.17 0.00	45.98 -1.37 0.00	50.91 -1.52 0.00	58.94 -2.07 0.00	71.02 -2.73 0.00	68.39 -2.63 0.00	62.24 -2.39 0.00	52.11 -1.94 0.00	45.84 -1.61 0.00	43.33 -1.39 0.00
KATONAH___115KV_46KV_TB4 355592	44.07 2.38 0.06	37.83 2.14 0.00	34.47 1.95 0.00	33.32 1.95 0.00	34.08 2.05 0.00	35.40 2.04 0.00	41.77 2.59 0.06	46.41 3.20 0.00	48.41 3.59 0.00	49.14 3.85 0.00	51.17 4.44 0.01	51.11 4.56 0.00	50.60 4.56 0.00	52.07 4.68 -1.05	54.95 4.86 -5.08	59.82 5.07 -7.40	69.59 5.72 -11.44	95.58 6.83 -27.74	94.63 8.26 -12.62	86.06 7.88 -7.16	76.36 6.53 -5.20	61.43 4.97 -2.41	53.86 4.27 -2.14	49.06 4.07 -0.27
KCE_NY_1 323755	43.96 2.21 0.00	37.72 2.03 0.00	34.40 1.89 0.00	33.20 1.82 0.00	33.89 1.86 0.00	35.23 1.87 0.00	41.55 2.31 0.00	45.95 2.64 -0.10	47.42 2.60 0.00	47.96 2.67 0.00	49.50 2.76 0.00	49.01 2.47 0.00	48.30 2.26 0.00	49.09 2.27 -0.48	49.27 1.93 -2.33	51.84 1.70 -2.78	57.79 2.04 -3.31	66.15 2.87 -2.28	77.51 3.76 0.00	78.15 4.05 -3.09	90.65 3.94 -22.07	67.47 3.30 -10.13	59.29 2.85 -8.99	48.84 2.86 -1.26
KCE_NY_6_ESR 323823	21.15 -4.59 16.01	19.50 -3.93 12.27	17.79 -3.54 11.18	17.28 -3.36 10.74	17.56 -3.49 10.98	18.33 -3.57 11.47	19.56 -4.55 15.12	22.95 -4.88 15.39	24.79 -4.75 15.29	25.14 -4.75 15.40	25.38 -5.23 16.13	25.62 -5.21 15.71	25.26 -5.25 15.54	25.51 -5.19 15.64	25.30 -4.50 15.21	26.92 -4.83 15.61	27.83 -5.77 18.84	32.59 -6.77 21.64	36.47 -7.89 29.39	38.67 -7.17 25.17	38.50 -6.59 19.54	33.98 -5.35 14.72	30.03 -4.94 12.49	27.66 -4.92 12.14
KEDC_PORT_JEFF_GT2 24210	45.11 3.42 0.06	38.79 3.10 0.00	35.06 2.54 0.00	33.83 2.45 0.00	34.56 2.53 0.00	36.00 2.64 0.00	42.47 3.30 0.06	48.81 4.45 -1.14	49.82 4.98 -0.02	52.02 5.30 -1.43	52.67 5.56 -0.37	53.28 5.54 -1.20	58.12 5.61 -6.46	56.09 5.74 -4.01	55.71 5.63 -5.08	60.69 5.54 -7.80	70.52 5.40 -12.69	94.56 6.23 -27.33	93.45 7.30 -12.40	84.41 6.25 -7.15	75.10 5.36 -5.10	61.17 4.76 -2.37	53.77 4.22 -2.10	50.31 5.32 -0.27
KEDC_PORT_JEFF_GT3 24211	45.11 3.42 0.06	38.79 3.10 0.00	35.06 2.54 0.00	33.83 2.45 0.00	34.56 2.53 0.00	36.00 2.64 0.00	42.47 3.30 0.06	48.81 4.45 -1.14	49.82 4.98 -0.02	52.02 5.30 -1.43	52.67 5.56 -0.37	53.28 5.54 -1.20	58.12 5.61 -6.46	56.09 5.74 -4.01	55.71 5.63 -5.08	60.69 5.54 -7.80	70.52 5.40 -12.69	94.56 6.23 -27.33	93.45 7.30 -12.40	84.41 6.25 -7.15	75.10 5.36 -5.10	61.17 4.76 -2.37	53.77 4.22 -2.10	50.31 5.32 -0.27
KEDC_GLWD_GT4 24219	44.36 2.67 0.06	38.12 2.43 0.00	34.63 2.11 0.00	33.45 2.07 0.00	34.21 2.18 0.00	35.53 2.17 0.00	41.96 2.79 0.06	48.03 3.67 -1.14	48.92 4.08 -0.02	51.17 4.44 -1.43	52.06 4.95 -0.37	52.96 5.21 -1.20	57.79 5.29 -6.46	55.77 5.42 -4.01	55.48 5.40 -5.08	60.78 5.63 -7.79	70.89 5.77 -12.69	95.36 7.01 -27.34	94.49 8.33 -12.41	85.77 7.60 -7.15	75.95 6.21 -5.11	61.66 5.24 -2.37	54.01 4.46 -2.10	49.68 4.69 -0.27
KEDC_GLWD_GT5 24220	44.36 2.67 0.06	38.12 2.43 0.00	34.63 2.11 0.00	33.45 2.07 0.00	34.21 2.18 0.00	35.53 2.17 0.00	41.96 2.79 0.06	48.03 3.67 -1.14	48.92 4.08 -0.02	51.17 4.44 -1.43	52.06 4.95 -0.37	52.96 5.21 -1.20	57.79 5.29 -6.46	55.77 5.42 -4.01	55.48 5.40 -5.08	60.78 5.63 -7.79	70.89 5.77 -12.69	95.36 7.01 -27.34	94.49 8.33 -12.41	85.77 7.60 -7.15	75.95 6.21 -5.11	61.66 5.24 -2.37	54.01 4.46 -2.10	49.68 4.69 -0.27

KENSICO____ 23655	43.90 2.21 0.06	37.73 2.03 0.00	34.37 1.85 0.00	33.20 1.82 0.00	33.95 1.92 0.00	35.27 1.90 0.00	41.57 2.39 0.06	46.24 3.03 0.01	48.19 3.36 0.00	48.96 3.67 0.00	50.94 4.21 0.01	50.97 4.42 0.00	50.55 4.51 0.00	52.02 4.63 -1.05	54.76 4.68 -5.07	60.28 5.02 -7.91	71.05 5.56 -13.05	94.84 6.59 -27.24	94.07 7.97 -12.35	85.69 7.53 -7.14	75.94 6.20 -5.10	61.22 4.81 -2.36	53.68 4.13 -2.09	48.97 3.98 -0.27
KERHONKS_69_KV_TR1_REV_LBMP_G 345021	44.19 2.51 0.07	37.90 2.21 0.00	34.50 1.98 0.00	33.32 1.95 0.00	34.05 2.02 0.00	35.34 1.97 0.00	41.65 2.47 0.06	46.28 3.07 0.00	48.14 3.32 0.00	48.78 3.49 0.00	50.75 4.02 0.01	50.55 4.00 0.00	50.14 4.10 0.00	51.28 4.17 -0.77	53.13 4.41 -3.71	57.34 4.97 -5.02	65.34 5.72 -7.19	88.76 7.14 -20.61	91.87 8.70 -9.41	84.44 8.17 -5.26	77.30 7.11 -5.55	62.02 5.40 -2.57	54.29 4.56 -2.28	49.26 4.25 -0.29
KIAC_JFK_GT1 23816	44.19 2.51 0.06	37.94 2.25 0.00	34.40 1.89 0.00	33.26 1.88 0.00	34.02 1.99 0.00	35.30 1.94 0.00	41.69 2.51 0.06	46.54 3.33 0.01	48.64 3.81 0.00	49.46 4.17 0.00	51.15 4.39 -0.01	52.58 4.51 -1.52	58.38 4.65 -7.69	61.35 4.77 -10.24	63.55 4.68 -13.86	81.55 5.07 -29.13	94.75 5.66 -36.65	97.61 6.83 -29.77	97.61 8.26 -15.60	90.57 7.81 -11.74	80.19 6.46 -9.10	61.57 5.13 -2.38	57.51 4.65 -5.41	49.47 4.47 -0.28
KIAC_JFK_GT2 23817	44.19 2.51 0.06	37.94 2.25 0.00	34.40 1.89 0.00	33.26 1.88 0.00	34.02 1.99 0.00	35.30 1.94 0.00	41.69 2.51 0.06	46.54 3.33 0.01	48.64 3.81 0.00	49.46 4.17 0.00	51.15 4.39 -0.01	52.58 4.51 -1.52	58.38 4.65 -7.69	61.35 4.77 -10.24	63.55 4.68 -13.86	81.55 5.07 -29.13	94.75 5.66 -36.65	97.61 6.83 -29.77	97.61 8.26 -15.60	90.57 7.81 -11.74	80.19 6.46 -9.10	61.57 5.13 -2.38	57.51 4.65 -5.41	49.47 4.47 -0.28
KIAC_JFK____ 323774	44.15 2.46 0.06	37.94 2.25 0.00	34.40 1.89 0.00	33.23 1.85 0.00	33.99 1.95 0.00	35.27 1.90 0.00	41.65 2.47 0.06	46.50 3.28 0.01	48.59 3.77 0.00	49.46 4.16 0.00	51.15 4.39 -0.01	52.58 4.51 -1.52	58.38 4.65 -7.69	61.35 4.77 -10.24	63.55 4.68 -13.86	81.60 5.12 -29.13	94.75 5.66 -36.65	97.67 6.89 -29.77	97.61 8.26 -15.60	90.57 7.81 -11.74	80.19 6.46 -9.10	61.57 5.14 -2.38	57.51 4.65 -5.41	49.47 4.47 -0.28
KINTIGH_24_KV_GSU 356498	26.19 -4.93 10.63	25.13 -4.14 6.42	22.93 -3.74 5.85	22.24 -3.51 5.62	22.63 -3.65 5.75	23.63 -3.74 6.00	24.37 -4.79 10.08	28.98 -5.14 9.10	31.69 -5.02 8.11	32.09 -5.03 8.17	32.29 -5.52 8.93	32.67 -5.54 8.34	32.22 -5.57 8.24	32.48 -5.56 8.30	32.03 -4.90 8.07	32.67 -5.30 9.38	34.37 -6.35 11.72	37.63 -7.26 16.12	42.63 -8.63 22.49	44.80 -7.95 18.26	43.78 -7.24 13.61	39.42 -5.89 8.74	34.98 -5.41 7.06	32.23 -5.37 7.13
KINTIGH____ 23543	26.81 -4.93 10.02	25.50 -4.21 5.98	23.26 -3.80 5.45	22.57 -3.58 5.23	23.13 -3.65 5.25	23.97 -3.80 5.59	24.98 -4.63 9.62	29.49 -5.14 8.59	32.27 -4.98 7.58	32.63 -5.03 7.64	32.84 -5.52 8.39	33.39 -5.54 7.61	32.94 -5.57 7.53	33.02 -5.56 7.75	31.89 -5.58 7.54	32.98 -5.54 8.84	35.07 -6.24 11.12	36.72 -7.50 16.79	42.48 -8.78 22.49	44.37 -8.38 18.26	43.39 -7.63 13.61	39.15 -6.16 8.74	34.88 -5.50 7.06	32.23 -5.37 7.13
KNTFSRNC_46_KV_46KV_LOAD 80397	42.09 0.33 0.00	35.76 0.07 0.00	32.52 0.00 0.00	31.35 -0.03 0.00	31.93 -0.10 0.00	33.33 -0.03 0.00	39.00 -0.24 0.00	42.79 -0.43 0.00	44.24 -0.58 0.00	44.57 -0.72 0.00	46.00 -0.75 0.00	45.94 -0.61 0.00	45.49 -0.55 0.00	45.74 -0.60 0.00	44.47 -0.54 0.00	46.64 -0.71 0.00	51.60 -0.84 0.00	59.79 -1.22 0.00	71.91 -1.84 0.00	69.38 -1.63 0.00	63.21 -1.42 0.00	52.81 -1.24 0.00	46.46 -1.00 0.00	43.91 -0.80 0.00
LACHUTE____HYDRO 323717	46.01 4.26 0.00	39.44 3.75 0.00	35.90 3.38 0.00	34.64 3.26 0.00	35.36 3.33 0.00	36.77 3.41 0.00	43.55 4.32 0.00	48.16 4.84 -0.10	49.49 4.66 0.00	50.18 4.89 0.00	51.79 5.05 0.00	50.64 4.10 0.00	49.68 3.64 0.00	50.33 3.52 -0.47	50.18 2.88 -2.29	51.89 1.80 -2.73	58.21 2.52 -3.25	67.46 4.21 -2.24	79.80 6.05 0.00	81.30 7.25 -3.04	94.31 7.49 -22.18	70.28 6.05 -10.18	61.51 5.03 -9.03	51.66 5.68 -1.26
LAWRNCV_115KV_TB1 80681	41.50 -0.25 0.00	35.26 -0.43 0.00	32.10 -0.42 0.00	30.94 -0.44 0.00	31.52 -0.51 0.00	32.90 -0.47 0.00	38.73 -0.51 0.00	42.66 -0.56 0.00	44.11 -0.72 0.00	44.39 -0.91 0.00	45.76 -0.98 0.00	45.61 -0.93 0.00	45.03 -1.01 0.00	44.99 -1.34 0.00	43.57 -1.44 0.00	45.56 -1.80 0.00	50.50 -1.94 0.00	58.51 -2.50 0.00	70.65 -3.10 0.00	68.03 -2.98 0.00	62.05 -2.59 0.00	51.89 -2.16 0.00	45.89 -1.57 0.00	43.51 -1.21 0.00
LEDERLE____ 23769	43.86 2.17 0.07	37.69 2.00 0.00	34.31 1.79 0.00	33.14 1.76 0.00	33.86 1.83 0.00	35.17 1.80 0.00	41.45 2.28 0.06	46.07 2.85 0.01	48.01 3.18 0.00	48.78 3.49 0.00	50.75 4.02 0.01	50.73 4.19 0.00	50.37 4.33 0.00	51.78 4.40 -1.04	54.52 4.50 -5.01	61.88 4.88 -9.65	76.53 5.45 -18.65	93.43 6.53 -25.89	93.12 7.74 -11.63	85.46 7.39 -7.06	75.71 6.14 -4.94	61.04 4.70 -2.29	53.51 4.03 -2.03	48.87 3.89 -0.26
LIGHTHSE_115KV_TB6 355974	41.42 -0.33 0.00	35.44 -0.25 0.00	32.26 -0.26 0.00	31.16 -0.22 0.00	31.81 -0.22 0.00	33.17 -0.20 0.00	39.00 -0.24 0.00	42.83 -0.39 0.00	44.42 -0.40 0.00	44.70 -0.59 0.00	45.86 -0.89 0.00	45.57 -0.98 0.00	44.89 -1.15 0.00	45.13 -1.20 0.00	43.75 -1.26 0.00	46.65 -1.18 -0.48	51.78 -1.26 -0.61	60.54 -1.34 -0.87	73.86 -1.18 -1.29	70.98 -1.21 -1.17	64.72 -0.97 -1.05	53.88 -0.81 -0.64	47.19 -0.66 -0.40	44.00 -0.72 0.00
LINDEN COGEN____ 23786	43.90 2.21 0.06	37.76 2.07 0.00	34.40 1.89 0.00	33.23 1.85 0.00	34.02 1.99 0.00	35.27 1.90 0.00	41.61 2.43 0.06	46.37 3.15 0.01	48.46 3.63 0.00	49.28 3.99 0.00	51.29 4.53 -0.01	52.86 4.80 -1.52	58.61 4.88 -7.69	61.59 5.01 -10.24	63.87 5.00 -13.86	81.84 5.35 -29.13	95.01 5.92 -36.65	97.85 7.07 -29.77	97.83 8.48 -15.60	90.71 7.95 -11.74	80.39 6.66 -9.10	61.57 5.14 -2.38	57.37 4.51 -5.41	49.33 4.34 -0.28
LINDHRST_69_KV_BK1 356055	45.45 3.76 0.06	39.01 3.32 0.00	35.28 2.76 0.00	34.08 2.70 0.00	34.82 2.79 0.00	36.27 2.90 0.00	42.79 3.61 0.06	48.94 4.58 -1.14	49.82 4.98 -0.02	51.98 5.25 -1.43	52.72 5.61 -0.37	53.51 5.77 -1.20	58.35 5.85 -6.46	56.33 5.98 -4.01	55.94 5.85 -5.08	61.12 5.97 -7.80	71.26 6.13 -12.69	95.85 7.50 -27.33	95.15 9.00 -12.40	86.26 8.10 -7.15	76.39 6.66 -5.10	62.04 5.62 -2.37	54.25 4.70 -2.10	50.53 5.55 -0.27
LIPA_MISC_IPP 23656	45.57 3.88 0.06	39.12 3.43 0.00	35.38 2.86 0.00	34.14 2.76 0.00	34.88 2.85 0.00	36.34 2.97 0.00	42.79 3.61 0.06	49.02 4.67 -1.14	49.82 4.98 -0.02	51.93 5.21 -1.43	52.58 5.47 -0.37	53.05 5.31 -1.20	57.89 5.39 -6.46	55.86 5.51 -4.01	55.49 5.40 -5.08	60.36 5.21 -7.80	70.26 5.14 -12.69	94.62 6.28 -27.33	93.60 7.45 -12.40	84.77 6.60 -7.15	74.97 5.24 -5.10	61.01 4.59 -2.37	53.68 4.13 -2.10	50.27 5.28 -0.27

LISF___SOLAR 323691	45.20 3.51 0.06	38.83 3.14 0.00	35.12 2.60 0.00	33.89 2.51 0.00	34.62 2.59 0.00	36.04 2.67 0.00	42.51 3.33 0.06	48.85 4.49 -1.14	49.86 5.02 -0.02	52.02 5.30 -1.43	52.67 5.56 -0.37	53.09 5.35 -1.20	57.93 5.43 -6.46	55.95 5.60 -4.01	55.58 5.49 -5.08	60.50 5.35 -7.80	70.42 5.29 -12.69	94.87 6.53 -27.33	93.89 7.74 -12.40	84.84 6.67 -7.15	75.10 5.36 -5.10	61.06 4.65 -2.37	53.73 4.18 -2.10	50.35 5.36 -0.27
LITTLE FALLS___HYD 24013	41.17 -0.58 0.00	35.26 -0.43 0.00	32.10 -0.42 0.00	30.94 -0.44 0.00	31.45 -0.58 0.00	32.67 -0.70 0.00	38.37 -0.86 0.00	42.66 -0.56 0.00	44.15 -0.67 0.00	44.61 -0.68 0.00	45.95 -0.79 0.00	45.75 -0.79 0.00	45.21 -0.83 0.00	45.50 -0.83 0.00	44.16 -0.86 0.00	46.27 -1.09 0.00	51.02 -1.42 0.00	59.48 -1.53 0.00	71.98 -1.77 0.00	69.31 -1.70 0.00	63.15 -1.49 0.00	52.75 -1.30 0.00	46.41 -1.04 0.00	43.78 -0.94 0.00
LITTLRIV_115KV_TB1 356100	41.88 0.13 0.00	35.58 -0.11 0.00	32.39 -0.13 0.00	31.29 -0.09 0.00	31.81 -0.22 0.00	33.23 -0.13 0.00	39.16 -0.08 0.00	43.09 -0.13 0.00	44.42 -0.40 0.00	44.66 -0.63 0.00	45.95 -0.79 0.00	45.75 -0.79 0.00	45.17 -0.87 0.00	45.13 -1.20 0.00	43.70 -1.31 0.00	45.75 -1.61 0.00	50.71 -1.73 0.00	58.75 -2.26 0.00	71.17 -2.58 0.00	68.53 -2.49 0.00	62.63 -2.00 0.00	52.37 -1.68 0.00	46.27 -1.19 0.00	43.87 -0.85 0.00
LI_NEWBRDGE___DRP 323616	44.61 2.92 0.06	38.30 2.61 0.00	34.70 2.18 0.00	33.51 2.13 0.00	34.24 2.21 0.00	35.64 2.27 0.00	42.04 2.86 0.06	48.03 3.67 -1.14	48.92 4.08 -0.02	51.07 4.35 -1.43	51.79 4.67 -0.37	52.58 4.84 -1.20	57.38 4.88 -6.46	55.31 4.96 -4.01	54.99 4.91 -5.07	60.12 4.97 -7.79	70.26 5.14 -12.69	94.68 6.35 -27.33	93.67 7.52 -12.39	84.91 6.75 -7.15	75.17 5.43 -5.10	60.96 4.54 -2.37	53.40 3.84 -2.10	49.59 4.61 -0.27
LOCKPORT_115KV_TB60_63_64 80432	25.35 -5.18 11.23	22.84 -4.43 8.42	20.84 -4.00 7.68	20.24 -3.77 7.37	20.74 -3.84 7.44	21.52 -3.97 7.87	23.53 -4.98 10.73	27.17 -5.45 10.61	29.29 -5.24 10.29	29.62 -5.30 10.37	29.89 -5.89 10.97	30.21 -5.91 10.42	29.75 -5.99 10.31	29.83 -5.98 10.53	28.74 -6.03 10.24	30.22 -5.97 11.17	31.77 -6.76 13.90	34.83 -8.18 18.01	39.01 -9.51 25.23	40.98 -9.02 21.02	41.17 -8.34 15.12	36.58 -6.59 10.88	32.59 -5.84 9.02	30.40 -5.68 8.64
LOCKPORT___CC1 323769	24.08 -5.22 12.45	21.96 -4.39 9.34	20.03 -3.97 8.52	19.47 -3.73 8.18	19.79 -3.88 8.36	20.63 -4.00 8.73	22.33 -5.14 11.77	25.99 -5.49 11.74	27.97 -5.38 11.48	28.34 -5.39 11.56	28.62 -5.94 12.19	28.75 -6.00 11.79	28.35 -6.03 11.66	28.57 -6.02 11.74	28.32 -5.27 11.42	29.34 -5.73 12.28	30.37 -6.87 15.20	34.91 -7.99 18.11	38.34 -9.44 25.97	40.69 -8.60 21.73	40.91 -7.89 15.84	36.24 -6.32 11.49	32.09 -5.79 9.57	29.81 -5.72 9.19
LOCKPORT___CC2 323770	24.08 -5.22 12.45	21.96 -4.39 9.34	20.03 -3.97 8.52	19.47 -3.73 8.18	19.79 -3.88 8.36	20.63 -4.00 8.73	22.33 -5.14 11.77	25.99 -5.49 11.74	27.97 -5.38 11.48	28.34 -5.39 11.56	28.62 -5.94 12.19	28.75 -6.00 11.79	28.35 -6.03 11.66	28.57 -6.02 11.74	28.32 -5.27 11.42	29.34 -5.73 12.28	30.37 -6.87 15.20	34.91 -7.99 18.11	38.34 -9.44 25.97	40.69 -8.60 21.73	40.91 -7.89 15.84	36.24 -6.32 11.49	32.09 -5.79 9.57	29.81 -5.72 9.19
LOCKPORT___CC3 323771	24.08 -5.22 12.45	21.96 -4.39 9.34	20.03 -3.97 8.52	19.47 -3.73 8.18	19.79 -3.88 8.36	20.63 -4.00 8.73	22.33 -5.14 11.77	25.99 -5.49 11.74	27.97 -5.38 11.48	28.34 -5.39 11.56	28.62 -5.94 12.19	28.75 -6.00 11.79	28.35 -6.03 11.66	28.57 -6.02 11.74	28.32 -5.27 11.42	29.34 -5.73 12.28	30.37 -6.87 15.20	34.91 -7.99 18.11	38.34 -9.44 25.97	40.69 -8.60 21.73	40.91 -7.89 15.84	36.24 -6.32 11.49	32.09 -5.79 9.57	29.81 -5.72 9.19
LOCUSVLY_69_KV_BK2 55797	44.86 3.17 0.06	38.51 2.82 0.00	34.92 2.41 0.00	33.73 2.35 0.00	34.50 2.47 0.00	35.90 2.54 0.00	42.32 3.14 0.06	48.38 4.02 -1.14	49.28 4.44 -0.02	51.48 4.76 -1.43	52.35 5.24 -0.37	53.19 5.45 -1.20	58.03 5.52 -6.46	56.00 5.65 -4.01	55.67 5.58 -5.07	60.92 5.78 -7.79	71.15 6.03 -12.69	95.67 7.32 -27.34	94.86 8.70 -12.41	86.12 7.95 -7.15	76.20 6.46 -5.11	61.82 5.40 -2.37	54.06 4.51 -2.10	50.00 5.01 -0.27
LONG_LAKE_PHOENIX 24014	40.79 -0.96 0.00	34.91 -0.79 0.00	31.80 -0.72 0.00	30.69 -0.69 0.00	31.39 -0.64 0.00	32.73 -0.63 0.00	38.41 -0.82 0.00	42.14 -1.08 0.00	43.80 -1.03 0.00	44.25 -1.04 0.00	45.53 -1.22 0.00	45.24 -1.30 0.00	44.70 -1.34 0.00	44.99 -1.34 0.00	43.75 -1.26 0.00	47.49 -1.23 -1.36	52.79 -1.36 -1.71	62.04 -1.46 -2.50	75.73 -1.70 -3.67	72.79 -1.56 -3.34	66.22 -1.42 -3.00	54.75 -1.14 -1.84	47.45 -1.14 -1.14	43.56 -1.16 0.00
LOVETT___3 23632	43.69 2.00 0.07	37.55 1.86 0.00	34.18 1.66 0.00	33.04 1.66 0.00	33.76 1.73 0.00	35.07 1.70 0.00	41.33 2.16 0.06	45.94 2.72 0.01	47.87 3.05 0.00	48.60 3.31 0.00	50.57 3.83 0.01	50.59 4.05 0.00	50.18 4.14 0.00	51.59 4.22 -1.04	54.31 4.28 -5.03	60.95 4.59 -9.00	74.15 5.14 -16.58	93.28 6.10 -26.16	92.83 7.30 -11.78	84.98 6.89 -7.08	75.29 5.69 -4.97	60.78 4.43 -2.30	53.29 3.80 -2.04	48.69 3.71 -0.26
LOVETT___4 23642	43.69 2.00 0.07	37.55 1.86 0.00	34.18 1.66 0.00	33.04 1.66 0.00	33.76 1.73 0.00	35.07 1.70 0.00	41.33 2.16 0.06	45.94 2.72 0.01	47.87 3.05 0.00	48.60 3.31 0.00	50.57 3.83 0.01	50.59 4.05 0.00	50.18 4.14 0.00	51.59 4.22 -1.04	54.31 4.28 -5.03	60.95 4.59 -9.00	74.15 5.14 -16.58	93.28 6.10 -26.16	92.83 7.30 -11.78	84.98 6.89 -7.08	75.29 5.69 -4.97	60.78 4.43 -2.30	53.29 3.80 -2.04	48.69 3.71 -0.26
LOVETT___5 23593	43.69 2.00 0.07	37.55 1.86 0.00	34.18 1.66 0.00	33.04 1.66 0.00	33.76 1.73 0.00	35.07 1.70 0.00	41.33 2.16 0.06	45.94 2.72 0.01	47.87 3.05 0.00	48.60 3.31 0.00	50.57 3.83 0.01	50.59 4.05 0.00	50.18 4.14 0.00	51.59 4.22 -1.04	54.31 4.28 -5.03	60.95 4.59 -9.00	74.15 5.14 -16.58	93.28 6.10 -26.16	92.83 7.30 -11.78	84.98 6.89 -7.08	75.29 5.69 -4.97	60.78 4.43 -2.30	53.29 3.80 -2.04	48.69 3.71 -0.26
LOWER RAQUET___HYD 24057	41.46 -0.29 0.00	35.19 -0.50 0.00	32.03 -0.49 0.00	30.88 -0.50 0.00	31.46 -0.58 0.00	32.83 -0.54 0.00	38.69 -0.55 0.00	42.57 -0.65 0.00	43.97 -0.85 0.00	44.29 -1.00 0.00	45.62 -1.12 0.00	45.43 -1.12 0.00	44.89 -1.15 0.00	44.76 -1.58 0.00	43.30 -1.71 0.00	45.18 -2.18 0.00	50.18 -2.25 0.00	58.08 -2.93 0.00	70.29 -3.47 0.00	67.61 -3.41 0.00	61.66 -2.97 0.00	51.62 -2.43 0.00	45.60 -1.85 0.00	43.33 -1.39 0.00
LOWER___HUDSON 24059	43.38 1.63 0.00	37.22 1.53 0.00	34.01 1.50 0.00	32.82 1.44 0.00	33.51 1.47 0.00	34.87 1.50 0.00	41.04 1.81 0.00	45.38 2.07 -0.09	46.85 2.02 0.00	47.33 2.04 0.00	48.85 2.11 0.00	48.45 1.91 0.00	47.88 1.84 0.00	48.89 1.90 -0.66	49.80 1.62 -3.17	52.70 1.56 -3.79	58.68 1.78 -4.46	66.40 2.32 -3.07	76.71 2.95 0.00	78.10 2.91 -4.17	86.82 2.84 -19.35	65.42 2.49 -8.88	57.56 2.23 -7.88	47.84 2.01 -1.10

LOWVILLE_115KV_TB2 356335	41.92 0.17 0.00	35.66 -0.04 0.00	32.36 -0.16 0.00	31.19 -0.19 0.00	31.71 -0.32 0.00	33.03 -0.33 0.00	38.96 -0.27 0.00	42.92 -0.30 0.00	44.33 -0.49 0.00	44.43 -0.86 0.00	45.53 -1.22 0.00	45.29 -1.26 0.00	44.47 -1.57 0.00	44.67 -1.67 0.00	43.07 -1.94 0.00	45.41 -1.94 0.00	50.50 -1.94 0.00	59.12 -1.89 0.00	72.13 -1.62 0.00	69.17 -1.85 0.00	63.15 -1.49 0.00	52.75 -1.30 0.00	46.31 -1.14 0.00	43.69 -1.03 0.00
LUTHERFT_115KV_GLOB_FND_222 355753	43.92 2.17 0.00	37.69 2.00 0.00	34.37 1.85 0.00	33.20 1.82 0.00	33.86 1.83 0.00	35.24 1.87 0.00	41.47 2.24 0.00	45.95 2.64 -0.10	47.43 2.60 0.00	47.96 2.67 0.00	49.50 2.76 0.00	48.96 2.42 0.00	48.30 2.26 0.00	49.04 2.22 -0.48	49.28 1.94 -2.33	51.84 1.70 -2.78	57.74 1.99 -3.31	66.09 2.81 -2.28	77.44 3.69 0.00	78.08 3.98 -3.09	90.58 3.88 -22.07	67.42 3.24 -10.13	59.24 2.80 -8.99	48.79 2.82 -1.26
LUTHERNY_35_KV_BK2 355980	43.97 2.21 0.00	37.73 2.03 0.00	34.40 1.89 0.00	33.20 1.82 0.00	33.89 1.86 0.00	35.27 1.90 0.00	41.51 2.28 0.00	45.95 2.64 -0.10	47.43 2.60 0.00	47.96 2.67 0.00	49.50 2.76 0.00	49.01 2.47 0.00	48.30 2.26 0.00	49.09 2.27 -0.48	49.32 1.98 -2.33	51.84 1.70 -2.78	57.79 2.04 -3.31	66.15 2.87 -2.28	77.51 3.76 0.00	78.15 4.05 -3.09	90.65 3.94 -22.07	67.42 3.24 -10.13	59.29 2.85 -8.99	48.84 2.86 -1.26
LWR__OSWEGATCHIE_HYD 23850	41.59 -0.17 0.00	35.37 -0.32 0.00	32.16 -0.36 0.00	31.03 -0.35 0.00	31.55 -0.48 0.00	32.93 -0.43 0.00	38.81 -0.43 0.00	42.75 -0.48 0.00	44.15 -0.67 0.00	44.34 -0.95 0.00	45.48 -1.26 0.00	45.29 -1.26 0.00	44.57 -1.47 0.00	44.58 -1.76 0.00	43.07 -1.94 0.00	45.22 -2.13 0.00	50.23 -2.20 0.00	58.51 -2.50 0.00	71.10 -2.66 0.00	68.32 -2.70 0.00	62.37 -2.26 0.00	52.16 -1.89 0.00	45.93 -1.52 0.00	43.42 -1.30 0.00
LYONS_FALL_HYD 23570	42.13 0.37 0.00	35.87 0.18 0.00	32.62 0.10 0.00	31.47 0.09 0.00	32.03 0.00 0.00	33.37 0.00 0.00	39.32 0.08 0.00	43.35 0.13 0.00	44.83 0.00 0.00	45.07 -0.23 0.00	46.23 -0.51 0.00	45.99 -0.56 0.00	45.21 -0.83 0.00	45.46 -0.88 0.00	43.93 -1.08 0.00	46.31 -1.04 0.00	51.49 -0.94 0.00	60.22 -0.79 0.00	73.31 -0.44 0.00	70.30 -0.71 0.00	64.11 -0.52 0.00	53.56 -0.49 0.00	46.98 -0.47 0.00	44.32 -0.40 0.00
MADISON__COUNTY_LFGE 323628	42.42 0.67 0.00	36.30 0.61 0.00	33.07 0.55 0.00	31.91 0.53 0.00	32.58 0.54 0.00	33.97 0.60 0.00	39.98 0.75 0.00	44.04 0.82 0.00	45.63 0.81 0.00	45.97 0.68 0.00	47.21 0.47 0.00	46.96 0.42 0.00	46.27 0.23 0.00	46.57 0.23 0.00	45.06 0.05 0.00	47.19 0.24 0.40	52.35 0.42 0.50	60.99 0.73 0.75	73.97 1.33 1.11	71.15 1.14 1.01	64.76 1.03 0.90	54.36 0.86 0.55	47.77 0.66 0.34	45.30 0.58 0.00
MALONE__115KV_TB1 356076	41.84 0.08 0.00	35.51 -0.18 0.00	32.29 -0.23 0.00	31.13 -0.25 0.00	31.68 -0.35 0.00	33.13 -0.23 0.00	38.85 -0.39 0.00	42.70 -0.52 0.00	44.15 -0.67 0.00	44.48 -0.82 0.00	45.86 -0.89 0.00	45.80 -0.74 0.00	45.26 -0.78 0.00	45.41 -0.93 0.00	44.11 -0.90 0.00	46.22 -1.14 0.00	51.18 -1.26 0.00	59.30 -1.71 0.00	71.39 -2.36 0.00	68.81 -2.20 0.00	62.76 -1.87 0.00	52.43 -1.62 0.00	46.17 -1.28 0.00	43.65 -1.07 0.00
MAPLEWOD_115KV_TB3 80458	43.17 1.42 0.00	37.08 1.39 0.00	33.82 1.30 0.00	32.67 1.29 0.00	33.31 1.28 0.00	34.67 1.30 0.00	40.77 1.53 0.00	45.20 1.90 -0.07	46.71 1.88 0.00	47.24 1.95 0.00	48.75 2.01 0.00	48.31 1.77 0.00	47.74 1.70 0.00	48.83 1.81 -0.68	49.93 1.62 -3.30	52.91 1.61 -3.94	58.78 1.78 -4.56	66.51 2.44 -3.06	76.70 2.95 0.00	78.23 3.05 -4.16	84.00 2.84 -16.53	64.01 2.38 -7.58	56.27 2.09 -6.73	47.54 1.88 -0.94
MAPLE_RIDGE_WT_1 323574	41.17 -0.58 0.00	35.01 -0.68 0.00	31.80 -0.72 0.00	30.60 -0.78 0.00	31.17 -0.86 0.00	32.43 -0.93 0.00	38.10 -1.14 0.00	41.97 -1.25 0.00	43.48 -1.34 0.00	43.93 -1.36 0.00	45.34 -1.40 0.00	45.15 -1.40 0.00	44.70 -1.34 0.00	44.99 -1.35 0.00	43.66 -1.35 0.00	45.89 -1.47 0.00	50.81 -1.63 0.00	59.12 -1.89 0.00	71.39 -2.36 0.00	68.74 -2.28 0.00	62.56 -2.07 0.00	52.37 -1.68 0.00	45.98 -1.47 0.00	43.38 -1.34 0.00
MAPLE_RIDGE_WT_2 323611	41.17 -0.58 0.00	35.01 -0.68 0.00	31.80 -0.72 0.00	30.60 -0.78 0.00	31.17 -0.86 0.00	32.43 -0.93 0.00	38.10 -1.14 0.00	41.97 -1.25 0.00	43.48 -1.34 0.00	43.93 -1.36 0.00	45.34 -1.40 0.00	45.15 -1.40 0.00	44.70 -1.34 0.00	44.99 -1.35 0.00	43.66 -1.35 0.00	45.89 -1.47 0.00	50.81 -1.63 0.00	59.12 -1.89 0.00	71.39 -2.36 0.00	68.74 -2.28 0.00	62.56 -2.07 0.00	52.37 -1.68 0.00	45.98 -1.47 0.00	43.38 -1.34 0.00
MARBLE_RIVER_WT_PWR 323696	41.59 -0.17 0.00	35.37 -0.32 0.00	32.16 -0.36 0.00	30.97 -0.41 0.00	31.58 -0.45 0.00	32.93 -0.43 0.00	38.53 -0.71 0.00	42.31 -0.91 0.00	43.71 -1.12 0.00	44.07 -1.22 0.00	45.53 -1.22 0.00	45.43 -1.12 0.00	44.98 -1.06 0.00	45.23 -1.11 0.00	43.93 -1.08 0.00	46.08 -1.28 0.00	50.97 -1.47 0.00	59.00 -2.01 0.00	71.10 -2.65 0.00	68.53 -2.49 0.00	62.37 -2.26 0.00	52.21 -1.84 0.00	45.93 -1.52 0.00	43.42 -1.30 0.00
MARSHVLE_115KV_TB1 80742	44.43 2.76 0.07	38.15 2.46 0.00	34.73 2.21 0.00	33.54 2.17 0.00	34.24 2.21 0.00	35.70 2.34 0.00	41.99 2.83 0.07	46.48 3.20 -0.06	47.65 2.82 0.00	47.69 2.40 0.00	48.70 1.96 0.01	48.27 1.72 0.00	47.65 1.61 0.00	48.17 1.53 -0.31	47.66 1.17 -1.48	50.59 1.47 -1.76	56.29 1.73 -2.13	65.40 2.99 -1.40	78.32 4.57 0.01	78.54 5.54 -1.99	90.42 5.43 -20.36	67.79 4.38 -9.37	59.56 3.80 -8.31	49.34 3.49 -1.13
MARSH_HILL_WT_PWR 323713	85.93 -2.92 -47.10	77.03 -2.43 -43.77	70.07 -2.34 -39.90	67.12 -2.57 -38.32	68.66 -2.59 -39.22	71.62 -2.67 -40.92	80.16 -3.34 -44.26	90.08 -3.89 -50.75	96.12 -3.63 -54.93	96.67 -3.94 -55.32	98.55 -4.35 -56.15	98.72 -4.33 -56.50	97.77 -4.14 -55.88	98.34 -4.22 -56.21	95.77 -4.05 -54.81	91.60 -4.64 -48.89	107.73 -5.09 -60.38	107.86 -6.10 -52.95	145.73 -6.64 -78.61	134.83 -5.75 -69.57	110.87 -4.98 -51.22	95.25 -3.84 -45.04	84.34 -3.70 -40.58	80.61 -3.58 -39.47
MCINTYRE_115KV_TB2 80467	42.17 0.42 0.00	35.87 0.18 0.00	32.65 0.13 0.00	31.50 0.13 0.00	32.06 0.03 0.00	33.50 0.13 0.00	39.47 0.24 0.00	43.35 0.13 0.00	44.60 -0.22 0.00	44.84 -0.45 0.00	46.14 -0.61 0.00	45.94 -0.61 0.00	45.40 -0.64 0.00	45.41 -0.93 0.00	44.02 -0.99 0.00	46.12 -1.23 0.00	51.18 -1.26 0.00	59.30 -1.71 0.00	71.91 -1.84 0.00	69.31 -1.70 0.00	63.34 -1.29 0.00	52.97 -1.08 0.00	46.74 -0.71 0.00	44.32 -0.40 0.00
MECO____69_KV_BK1 80468	44.70 3.01 0.06	38.37 2.68 0.00	34.92 2.41 0.00	33.73 2.35 0.00	34.43 2.40 0.00	35.87 2.50 0.00	42.20 3.02 0.06	46.70 3.41 -0.07	47.92 3.09 0.00	48.01 2.72 0.00	49.12 2.38 0.01	48.55 2.00 0.00	47.79 1.75 0.00	48.28 1.62 -0.32	47.88 1.31 -1.57	50.79 1.56 -1.87	56.63 1.94 -2.26	65.80 3.29 -1.50	78.83 5.09 0.01	79.30 6.18 -2.10	92.53 6.14 -21.76	68.97 4.92 -10.00	60.55 4.22 -8.88	49.78 3.85 -1.22

MENANDS__115KV_TB5 355628	42.92 1.17 0.00	36.87 1.18 0.00	33.66 1.14 0.00	32.48 1.10 0.00	33.15 1.12 0.00	34.50 1.13 0.00	40.53 1.29 0.00	45.02 1.73 -0.07	46.53 1.70 0.00	47.06 1.77 0.00	48.52 1.78 0.00	48.08 1.54 0.00	47.56 1.52 0.00	48.61 1.58 -0.70	49.79 1.40 -3.38	52.76 1.37 -4.03	58.58 1.52 -4.62	66.17 2.07 -3.09	76.26 2.51 0.00	77.76 2.56 -4.19	82.93 2.33 -15.97	63.37 2.00 -7.33	55.71 1.76 -6.50	47.19 1.57 -0.91
MG INDUSTRY__DRP 24185	42.96 1.21 0.00	36.90 1.21 0.00	33.66 1.14 0.00	32.48 1.10 0.00	33.15 1.12 0.00	34.50 1.13 0.00	40.49 1.26 0.00	44.74 1.47 -0.05	46.26 1.43 0.00	46.74 1.45 0.00	48.24 1.50 0.00	47.94 1.40 0.00	47.33 1.29 0.00	48.03 1.34 -0.34	47.93 1.26 -1.66	50.62 1.28 -1.98	56.22 1.42 -2.37	64.67 1.89 -1.77	76.19 2.43 0.00	76.04 2.63 -2.40	78.46 2.26 -11.56	61.30 1.95 -5.30	53.82 1.66 -4.71	46.94 1.57 -0.66
MID__OSWEGATCHIE_HYD 23849	41.59 -0.17 0.00	35.37 -0.32 0.00	32.16 -0.36 0.00	31.03 -0.35 0.00	31.55 -0.48 0.00	32.93 -0.43 0.00	38.81 -0.43 0.00	42.75 -0.48 0.00	44.15 -0.67 0.00	44.34 -0.95 0.00	45.48 -1.26 0.00	45.29 -1.26 0.00	44.57 -1.47 0.00	44.58 -1.76 0.00	43.07 -1.94 0.00	45.22 -2.13 0.00	50.23 -2.20 0.00	58.51 -2.50 0.00	71.10 -2.66 0.00	68.32 -2.70 0.00	62.37 -2.26 0.00	52.16 -1.89 0.00	45.93 -1.52 0.00	43.42 -1.30 0.00
MID__RAQUETTE_HYD 23851	41.42 -0.33 0.00	35.19 -0.50 0.00	32.03 -0.49 0.00	30.91 -0.47 0.00	31.45 -0.58 0.00	32.83 -0.53 0.00	38.69 -0.55 0.00	42.57 -0.65 0.00	43.97 -0.85 0.00	44.29 -1.00 0.00	45.62 -1.12 0.00	45.43 -1.12 0.00	44.89 -1.15 0.00	44.76 -1.58 0.00	43.30 -1.71 0.00	45.27 -2.08 0.00	50.18 -2.25 0.00	58.14 -2.87 0.00	70.29 -3.47 0.00	67.68 -3.34 0.00	61.72 -2.91 0.00	51.62 -2.43 0.00	45.65 -1.80 0.00	43.33 -1.39 0.00
MILLIKEN__1 23584	45.00 0.21 -3.03	39.04 0.25 -3.10	35.60 0.26 -2.82	34.31 0.22 -2.71	35.00 0.29 -2.68	36.63 0.37 -2.90	42.51 0.31 -2.96	46.96 0.22 -3.53	49.04 0.31 -3.91	49.41 0.18 -3.93	50.66 -0.05 -3.96	50.26 -0.14 -3.86	49.67 -0.18 -3.81	50.18 -0.19 -4.03	48.82 -0.23 -4.04	50.60 -0.09 -3.34	56.64 0.00 -4.21	66.64 0.24 -5.39	84.51 0.74 -10.02	79.55 0.85 -7.68	69.26 0.78 -3.86	58.00 0.76 -3.20	50.87 0.43 -2.99	47.94 0.27 -2.95
MILLIKEN__2 23585	45.00 0.21 -3.03	39.04 0.25 -3.10	35.60 0.26 -2.82	34.31 0.22 -2.71	35.00 0.29 -2.68	36.63 0.37 -2.90	42.51 0.31 -2.96	46.96 0.22 -3.53	49.04 0.31 -3.91	49.41 0.18 -3.93	50.66 -0.05 -3.96	50.26 -0.14 -3.86	49.67 -0.18 -3.81	50.18 -0.19 -4.03	48.82 -0.23 -4.04	50.60 -0.09 -3.34	56.64 0.00 -4.21	66.64 0.24 -5.39	84.51 0.74 -10.02	79.55 0.85 -7.68	69.26 0.78 -3.86	58.00 0.76 -3.20	50.87 0.43 -2.99	47.94 0.27 -2.95
MILLIKEN__DIESEL 23629	45.00 0.21 -3.03	39.04 0.25 -3.10	35.60 0.26 -2.82	34.31 0.22 -2.71	35.00 0.29 -2.68	36.63 0.37 -2.90	42.51 0.31 -2.96	46.96 0.22 -3.53	49.04 0.31 -3.91	49.41 0.18 -3.93	50.66 -0.05 -3.96	50.26 -0.14 -3.86	49.67 -0.18 -3.81	50.18 -0.19 -4.03	48.82 -0.23 -4.04	50.60 -0.09 -3.34	56.64 0.00 -4.21	66.64 0.24 -5.39	84.51 0.74 -10.02	79.55 0.85 -7.68	69.26 0.78 -3.86	58.00 0.76 -3.20	50.87 0.43 -2.99	47.94 0.27 -2.95
MILLSEAT__LFGE 323607	27.46 -4.17 10.12	24.50 -3.53 7.66	22.35 -3.19 6.98	21.66 -3.01 6.71	22.07 -3.11 6.86	23.07 -3.14 7.16	25.59 -4.08 9.56	29.34 -4.32 9.56	31.43 -4.03 9.37	31.69 -4.17 9.43	32.04 -4.77 9.94	31.99 -4.93 9.62	31.51 -5.02 9.52	31.75 -5.01 9.58	31.37 -4.32 9.32	32.26 -4.69 10.40	33.87 -5.66 12.90	38.74 -6.53 15.75	42.57 -7.45 23.73	44.78 -6.68 19.56	45.22 -6.01 13.41	39.60 -4.81 9.64	35.03 -4.51 7.91	32.75 -4.56 7.41
MILLWOOD_138_KV_38W41_REV_LBMP_H 345005	43.82 2.13 0.06	37.65 1.96 0.00	34.31 1.79 0.00	33.14 1.76 0.00	33.89 1.86 0.00	35.20 1.84 0.00	41.49 2.32 0.06	46.11 2.90 0.01	48.10 3.27 0.00	48.82 3.53 0.00	50.80 4.07 0.01	50.83 4.28 0.00	50.37 4.33 0.00	51.83 4.45 -1.05	54.58 4.50 -5.06	60.19 4.78 -8.05	71.30 5.35 -13.52	94.44 6.35 -27.09	93.69 7.67 -12.27	85.39 7.24 -7.13	75.72 6.01 -5.08	61.05 4.65 -2.35	53.53 3.99 -2.09	48.83 3.85 -0.27
MILLWOOD_13_KV_LOAD 356217	43.94 2.25 0.06	37.76 2.07 0.00	34.37 1.85 0.00	33.23 1.85 0.00	33.98 1.95 0.00	35.30 1.94 0.00	41.61 2.43 0.06	46.24 3.03 0.01	48.23 3.41 0.00	48.96 3.67 0.00	50.94 4.21 0.01	50.97 4.42 0.00	50.51 4.47 0.00	51.97 4.59 -1.05	54.76 4.68 -5.06	60.38 4.97 -8.05	71.51 5.56 -13.52	94.75 6.65 -27.09	93.99 7.97 -12.27	85.75 7.60 -7.13	75.98 6.27 -5.08	61.21 4.81 -2.35	53.72 4.18 -2.09	48.97 3.98 -0.27
MODEL_CITY_ENERGY 24167	23.78 -5.43 12.54	21.85 -4.57 9.28	19.96 -4.10 8.46	19.40 -3.86 8.12	19.72 -4.00 8.30	20.56 -4.14 8.67	22.04 -5.34 11.86	25.85 -5.75 11.62	28.03 -5.60 11.19	28.36 -5.66 11.27	28.58 -6.22 11.95	28.81 -6.24 11.50	28.41 -6.26 11.37	28.64 -6.26 11.45	28.38 -5.49 11.13	29.31 -6.02 12.03	30.21 -7.24 14.99	34.54 -8.36 18.12	38.12 -9.88 25.75	40.38 -9.09 21.55	40.41 -8.34 15.88	36.08 -6.70 11.27	31.96 -6.12 9.37	29.61 -5.99 9.12
MODERN_LFGE__ 323580	23.78 -5.43 12.54	21.85 -4.57 9.28	19.96 -4.10 8.46	19.40 -3.86 8.12	19.72 -4.00 8.30	20.56 -4.14 8.67	22.04 -5.34 11.86	25.85 -5.75 11.62	28.03 -5.60 11.19	28.36 -5.66 11.27	28.58 -6.22 11.95	28.81 -6.24 11.50	28.41 -6.26 11.37	28.64 -6.26 11.45	28.38 -5.49 11.13	29.31 -6.02 12.03	30.21 -7.24 14.99	34.54 -8.36 18.12	38.12 -9.88 25.75	40.38 -9.09 21.55	40.41 -8.34 15.88	36.08 -6.70 11.27	31.96 -6.12 9.37	29.61 -5.99 9.12
MOHAWK_PAPER__DRP 24187	43.17 1.42 0.00	37.08 1.39 0.00	33.82 1.30 0.00	32.67 1.29 0.00	33.31 1.28 0.00	34.67 1.30 0.00	40.77 1.53 0.00	45.20 1.90 -0.07	46.71 1.88 0.00	47.24 1.95 0.00	48.75 2.01 0.00	48.31 1.77 0.00	47.74 1.70 0.00	48.83 1.81 -0.68	49.93 1.62 -3.30	52.91 1.61 -3.94	58.78 1.78 -4.56	66.51 2.44 -3.06	76.70 2.95 0.00	78.23 3.05 -4.16	84.00 2.84 -16.53	64.01 2.38 -7.58	56.27 2.09 -6.73	47.54 1.88 -0.94
MOHICAN__35_KV_115KV_LD 80490	44.80 3.05 0.00	38.40 2.71 0.00	35.02 2.50 0.00	33.80 2.42 0.00	34.47 2.43 0.00	35.90 2.54 0.00	42.30 3.06 0.00	46.90 3.59 -0.10	48.37 3.54 0.00	49.01 3.71 0.00	50.62 3.88 0.00	49.66 3.12 0.00	48.85 2.81 0.00	49.55 2.73 -0.48	49.58 2.25 -2.32	51.31 1.18 -2.77	57.41 1.68 -3.30	66.08 2.81 -2.27	77.81 4.06 0.00	78.78 4.69 -3.08	91.45 4.72 -22.10	68.03 3.84 -10.14	59.72 3.27 -9.00	49.96 3.98 -1.26
MONGAUP__HYD 23641	43.65 1.96 0.07	37.47 1.78 0.00	34.11 1.59 0.00	32.95 1.57 0.00	33.63 1.60 0.00	34.90 1.54 0.00	41.09 1.92 0.07	45.54 2.33 0.01	47.33 2.51 0.00	47.92 2.63 0.00	49.68 2.95 0.01	49.57 3.02 0.00	49.17 3.13 0.00	50.55 3.19 -1.01	53.24 3.33 -4.90	46.60 3.74 4.50	31.40 4.30 25.33	90.21 5.49 -23.71	91.00 6.78 -10.47	84.45 6.53 -6.90	74.92 5.62 -4.67	60.38 4.16 -2.17	52.98 3.60 -1.92	48.32 3.36 -0.24

MONTAUK___DIESEL 23721	45.99 4.30 0.06	39.55 3.85 0.00	35.64 3.12 0.00	34.33 2.95 0.00	34.98 2.95 0.00	36.34 2.97 0.00	42.67 3.49 0.06	49.20 4.84 -1.14	50.09 5.24 -0.02	52.25 5.53 -1.43	53.05 5.94 -0.37	53.51 5.77 -1.20	58.39 5.89 -6.46	56.47 6.12 -4.01	56.17 6.08 -5.08	61.17 6.01 -7.80	71.20 6.08 -12.69	95.72 7.38 -27.33	94.85 8.70 -12.40	85.76 7.60 -7.15	75.49 5.75 -5.10	61.44 5.03 -2.37	53.78 4.22 -2.10	50.35 5.37 -0.27
MOONROAD_115KV_HARTFLD_TB1-2 355988	21.56 -5.30 14.89	19.37 -4.96 11.36	17.65 -4.52 10.35	17.21 -4.24 9.94	17.38 -4.55 10.11	18.01 -4.74 10.61	19.46 -5.65 14.13	22.80 -6.09 14.32	24.68 -5.96 14.18	25.12 -5.89 14.29	25.26 -6.50 14.99	25.69 -6.38 14.48	25.32 -6.40 14.32	25.34 -6.49 14.51	24.42 -6.48 14.11	26.54 -6.30 14.52	27.97 -6.92 17.55	31.89 -8.18 20.95	36.82 -9.22 27.71	38.85 -8.38 23.78	38.70 -7.37 18.56	34.29 -5.78 13.98	30.53 -5.08 11.85	28.28 -4.92 11.52
MORRIS_RIDGE___SOLAR 323848	-11.88 -3.05 50.58	-11.39 -2.46 44.62	-10.43 -2.28 40.67	-10.03 -2.35 39.06	-10.25 -2.34 39.94	-10.68 -2.34 41.71	-11.39 -2.98 47.64	-13.04 -3.42 52.84	-14.39 -3.27 55.95	-14.54 -3.49 56.35	-14.79 -3.88 57.66	-14.85 -3.91 57.49	-14.63 -3.82 56.85	-14.78 -3.89 57.23	-14.31 -3.64 55.67	-8.47 -3.93 51.90	-15.52 -4.35 63.60	-3.99 -5.31 59.69	-12.39 -5.90 80.24	-7.14 -5.25 72.90	1.24 -4.65 58.74	0.77 -3.68 49.61	0.13 -3.56 43.76	-0.09 -3.53 41.27
MORTIMER_115KV_TB3 55949	37.47 -3.01 1.27	31.60 -2.61 1.48	28.80 -2.37 1.35	27.86 -2.23 1.29	28.62 -2.24 1.17	29.72 -2.27 1.38	35.08 -2.79 1.37	38.49 -3.07 1.66	40.19 -2.78 1.86	40.61 -2.81 1.87	41.64 -3.23 1.88	41.45 -3.44 1.65	40.95 -3.45 1.63	40.96 -3.48 1.90	39.65 -3.51 1.84	40.28 -3.46 3.62	43.89 -3.88 4.66	47.51 -4.70 8.81	51.85 -5.31 16.59	53.47 -4.97 12.58	54.32 -4.46 5.85	46.40 -3.62 4.02	41.25 -3.32 2.88	39.86 -3.31 1.55
MOTTHAVN_138_KV_9M4_REV_LBMP_J 345006	44.11 2.42 0.06	37.87 2.18 0.00	34.50 1.98 0.00	33.36 1.98 0.00	34.11 2.08 0.00	35.40 2.04 0.00	41.77 2.59 0.06	46.50 3.28 0.01	48.55 3.72 0.00	49.32 4.03 0.00	51.30 4.58 0.02	50.61 4.79 0.73	47.22 4.88 3.70	47.97 5.00 3.37	50.90 5.04 -0.85	50.25 5.35 2.46	59.56 5.93 -1.20	94.24 7.08 -26.15	93.09 8.48 -10.86	84.05 8.10 -4.94	74.55 6.72 -3.19	61.65 5.24 -2.36	52.47 4.51 -0.51	49.37 4.38 -0.26
MUNSVILLE_WIND_PWR 323609	46.12 1.79 -2.57	39.93 1.61 -2.63	36.31 1.40 -2.40	34.97 1.29 -2.30	35.61 1.22 -2.36	37.12 1.30 -2.46	42.70 1.06 -2.41	47.46 1.30 -2.94	49.33 1.21 -3.30	49.38 0.77 -3.32	50.30 0.23 -3.32	50.17 0.23 -3.40	49.26 -0.14 -3.36	49.54 -0.23 -3.43	48.16 -0.41 -3.55	50.31 0.00 -2.96	56.47 0.37 -3.67	65.65 1.28 -3.36	83.50 2.65 -7.10	78.95 2.27 -5.67	70.99 2.26 -4.10	58.91 1.89 -2.97	51.62 1.38 -2.79	48.18 1.21 -2.25
N SALMON___HYD 24042	41.84 0.08 0.00	35.51 -0.18 0.00	32.29 -0.23 0.00	31.13 -0.25 0.00	31.68 -0.35 0.00	33.14 -0.23 0.00	38.85 -0.39 0.00	42.70 -0.52 0.00	44.15 -0.67 0.00	44.48 -0.81 0.00	45.86 -0.89 0.00	45.80 -0.75 0.00	45.26 -0.78 0.00	45.41 -0.93 0.00	44.11 -0.90 0.00	46.12 -1.23 0.00	51.13 -1.31 0.00	59.24 -1.77 0.00	71.39 -2.36 0.00	68.81 -2.20 0.00	62.70 -1.94 0.00	52.43 -1.62 0.00	46.08 -1.38 0.00	43.65 -1.07 0.00
N.AKRON__115KV_KNAPP 355671	27.60 -4.26 9.89	24.52 -3.68 7.49	22.34 -3.35 6.83	21.69 -3.14 6.55	22.26 -3.17 6.60	23.10 -3.27 7.00	25.69 -4.08 9.47	29.41 -4.41 9.41	31.54 -4.12 9.16	31.85 -4.21 9.23	32.14 -4.86 9.75	32.27 -5.03 9.24	31.83 -5.06 9.14	31.87 -5.10 9.37	30.72 -5.18 9.11	32.13 -5.07 10.16	34.06 -5.72 12.66	37.34 -6.89 16.77	41.79 -7.89 24.07	43.82 -7.31 19.88	44.12 -6.72 13.79	38.89 -5.24 9.92	34.54 -4.75 8.16	32.34 -4.70 7.68
N.BELMOR_69_KV_BK1 55787	44.95 3.26 0.06	38.58 2.89 0.00	34.92 2.41 0.00	33.73 2.35 0.00	34.50 2.47 0.00	35.90 2.54 0.00	42.35 3.18 0.06	48.38 4.02 -1.14	49.28 4.44 -0.02	51.43 4.71 -1.43	52.25 5.14 -0.37	53.10 5.35 -1.20	57.93 5.43 -6.46	55.91 5.56 -4.01	55.58 5.49 -5.07	60.73 5.59 -7.79	70.99 5.87 -12.69	95.61 7.26 -27.34	94.79 8.63 -12.41	85.98 7.81 -7.15	76.07 6.33 -5.11	61.71 5.30 -2.37	54.01 4.46 -2.10	50.04 5.05 -0.27
N.E_GEN_SANDY PD 24062	43.42 1.67 0.00	37.26 1.57 0.00	34.05 1.53 0.00	33.90 1.51 -1.01	33.60 1.57 0.00	37.30 1.57 -2.36	41.16 1.92 0.00	45.51 2.25 -0.04	47.07 2.24 0.00	47.60 2.31 0.00	49.13 2.38 0.00	48.92 2.37 0.00	48.43 2.39 0.00	50.20 2.45 -1.41	54.07 2.25 -6.81	57.80 2.32 -8.12	64.63 2.57 -9.63	80.98 3.05 -16.92	83.04 3.69 -5.60	83.99 3.55 -9.42	77.50 3.17 -9.70	61.20 2.70 -4.45	53.92 2.51 -3.95	47.51 2.24 -0.55
N.HEMPST_138_KV_BK345_REV_LBMP_G 345014	43.73 2.05 0.07	37.58 1.89 0.00	34.21 1.69 0.00	33.07 1.69 0.00	33.79 1.76 0.00	35.10 1.74 0.00	41.37 2.20 0.06	45.94 2.72 0.01	47.92 3.09 0.00	48.64 3.35 0.00	50.61 3.88 0.01	50.59 4.05 0.00	50.23 4.19 0.00	51.68 4.31 -1.04	54.39 4.37 -5.02	61.48 4.74 -9.39	75.50 5.24 -17.82	93.29 6.28 -26.00	92.96 7.52 -11.68	85.19 7.10 -7.07	75.46 5.88 -4.95	60.88 4.54 -2.29	53.38 3.89 -2.03	48.73 3.76 -0.26
N.QUEENS_27_KV_LOAD 356247	44.19 2.51 0.06	37.87 2.18 0.00	34.79 2.28 0.00	33.64 2.26 0.00	34.37 2.34 0.00	35.34 1.97 0.00	41.69 2.51 0.06	46.46 3.24 0.01	48.55 3.72 0.00	49.37 4.08 0.00	51.57 4.81 -0.01	53.15 5.07 -1.53	58.89 5.06 -7.78	61.87 5.19 -10.34	64.15 5.18 -13.96	82.17 5.45 -29.37	71.26 6.03 -12.79	98.00 7.20 -29.79	97.95 8.56 -15.64	90.97 8.17 -11.79	80.56 6.79 -9.14	61.89 5.46 -2.38	57.60 4.70 -5.45	49.56 4.56 -0.28
N.TROY___115KV_TB1 355778	43.38 1.63 0.00	37.23 1.53 0.00	34.01 1.50 0.00	32.82 1.44 0.00	33.47 1.44 0.00	34.87 1.50 0.00	41.00 1.77 0.00	45.38 2.07 -0.09	46.84 2.02 0.00	47.33 2.04 0.00	48.85 2.10 0.00	48.45 1.91 0.00	47.88 1.84 0.00	48.89 1.90 -0.66	49.85 1.67 -3.17	52.70 1.56 -3.79	58.68 1.78 -4.46	66.40 2.32 -3.07	76.70 2.95 0.00	78.17 2.98 -4.17	86.76 2.78 -19.35	65.36 2.43 -8.88	57.51 2.18 -7.88	47.83 2.01 -1.10
NARROWS_GT1_1 24228	44.41 2.71 0.06	38.12 2.43 0.00	34.79 2.28 0.00	33.61 2.23 0.00	34.37 2.34 0.00	35.50 2.14 0.00	41.88 2.71 0.06	46.71 3.50 0.01	48.81 3.99 0.00	49.68 4.39 0.00	51.81 5.05 -0.01	53.20 5.12 -1.54	58.93 5.11 -7.78	61.92 5.23 -10.35	64.14 5.17 -13.96	82.31 5.59 -29.37	95.49 6.13 -36.92	98.18 7.38 -29.79	98.24 8.85 -15.64	91.11 8.30 -11.79	80.70 6.92 -9.14	61.95 5.52 -2.38	57.84 4.93 -5.45	49.84 4.83 -0.28
NARROWS_GT1_2 24229	44.41 2.71 0.06	38.12 2.43 0.00	34.79 2.28 0.00	33.61 2.23 0.00	34.37 2.34 0.00	35.50 2.14 0.00	41.88 2.71 0.06	46.71 3.50 0.01	48.81 3.99 0.00	49.68 4.39 0.00	51.81 5.05 -0.01	53.20 5.12 -1.54	58.93 5.11 -7.78	61.92 5.23 -10.35	64.14 5.17 -13.96	82.31 5.59 -29.37	95.49 6.13 -36.92	98.18 7.38 -29.79	98.24 8.85 -15.64	91.11 8.30 -11.79	80.70 6.92 -9.14	61.95 5.52 -2.38	57.84 4.93 -5.45	49.84 4.83 -0.28

NARROWS_GT1_3 24230	44.41 2.71 0.06	38.12 2.43 0.00	34.79 2.28 0.00	33.61 2.23 0.00	34.37 2.34 0.00	35.50 2.14 0.00	41.88 2.71 0.06	46.71 3.50 0.01	48.81 3.99 0.00	49.68 4.39 0.00	51.81 5.05 -0.01	53.20 5.12 -1.54	58.93 5.11 -7.78	61.92 5.23 -10.35	64.14 5.17 -13.96	82.31 5.59 -29.37	95.49 6.13 -36.92	98.18 7.38 -29.79	98.24 8.85 -15.64	91.11 8.30 -11.79	80.70 6.92 -9.14	61.95 5.52 -2.38	57.84 4.93 -5.45	49.84 4.83 -0.28
NARROWS_GT1_4 24231	44.41 2.71 0.06	38.12 2.43 0.00	34.79 2.28 0.00	33.61 2.23 0.00	34.37 2.34 0.00	35.50 2.14 0.00	41.88 2.71 0.06	46.71 3.50 0.01	48.81 3.99 0.00	49.68 4.39 0.00	51.81 5.05 -0.01	53.20 5.12 -1.54	58.93 5.11 -7.78	61.92 5.23 -10.35	64.14 5.17 -13.96	82.31 5.59 -29.37	95.49 6.13 -36.92	98.18 7.38 -29.79	98.24 8.85 -15.64	91.11 8.30 -11.79	80.70 6.92 -9.14	61.95 5.52 -2.38	57.84 4.93 -5.45	49.84 4.83 -0.28
NARROWS_GT1_5 24232	44.41 2.71 0.06	38.12 2.43 0.00	34.79 2.28 0.00	33.61 2.23 0.00	34.37 2.34 0.00	35.50 2.14 0.00	41.88 2.71 0.06	46.71 3.50 0.01	48.81 3.99 0.00	49.68 4.39 0.00	51.81 5.05 -0.01	53.20 5.12 -1.54	58.93 5.11 -7.78	61.92 5.23 -10.35	64.14 5.17 -13.96	82.31 5.59 -29.37	95.49 6.13 -36.92	98.18 7.38 -29.79	98.24 8.85 -15.64	91.11 8.30 -11.79	80.70 6.92 -9.14	61.95 5.52 -2.38	57.84 4.93 -5.45	49.84 4.83 -0.28
NARROWS_GT1_6 24233	44.41 2.71 0.06	38.12 2.43 0.00	34.79 2.28 0.00	33.61 2.23 0.00	34.37 2.34 0.00	35.50 2.14 0.00	41.88 2.71 0.06	46.71 3.50 0.01	48.81 3.99 0.00	49.68 4.39 0.00	51.81 5.05 -0.01	53.20 5.12 -1.54	58.93 5.11 -7.78	61.92 5.23 -10.35	64.14 5.17 -13.96	82.31 5.59 -29.37	95.49 6.13 -36.92	98.18 7.38 -29.79	98.24 8.85 -15.64	91.11 8.30 -11.79	80.70 6.92 -9.14	61.95 5.52 -2.38	57.84 4.93 -5.45	49.84 4.83 -0.28
NARROWS_GT1_7 24234	44.41 2.71 0.06	38.12 2.43 0.00	34.79 2.28 0.00	33.61 2.23 0.00	34.37 2.34 0.00	35.50 2.14 0.00	41.88 2.71 0.06	46.71 3.50 0.01	48.81 3.99 0.00	49.68 4.39 0.00	51.81 5.05 -0.01	53.20 5.12 -1.54	58.93 5.11 -7.78	61.92 5.23 -10.35	64.14 5.17 -13.96	82.31 5.59 -29.37	95.49 6.13 -36.92	98.18 7.38 -29.79	98.24 8.85 -15.64	91.11 8.30 -11.79	80.70 6.92 -9.14	61.95 5.52 -2.38	57.84 4.93 -5.45	49.84 4.83 -0.28
NARROWS_GT1_8 24235	44.41 2.71 0.06	38.12 2.43 0.00	34.79 2.28 0.00	33.61 2.23 0.00	34.37 2.34 0.00	35.50 2.14 0.00	41.88 2.71 0.06	46.71 3.50 0.01	48.81 3.99 0.00	49.68 4.39 0.00	51.81 5.05 -0.01	53.20 5.12 -1.54	58.93 5.11 -7.78	61.92 5.23 -10.35	64.14 5.17 -13.96	82.31 5.59 -29.37	95.49 6.13 -36.92	98.18 7.38 -29.79	98.24 8.85 -15.64	91.11 8.30 -11.79	80.70 6.92 -9.14	61.95 5.52 -2.38	57.84 4.93 -5.45	49.84 4.83 -0.28
NARROWS_GT2_1 24236	44.41 2.71 0.06	38.12 2.43 0.00	34.79 2.28 0.00	33.61 2.23 0.00	34.37 2.34 0.00	35.50 2.14 0.00	41.88 2.71 0.06	46.71 3.50 0.01	48.81 3.99 0.00	49.68 4.39 0.00	51.81 5.05 -0.01	53.20 5.12 -1.54	58.93 5.11 -7.78	61.92 5.23 -10.35	64.14 5.17 -13.96	82.31 5.59 -29.37	95.49 6.13 -36.92	98.18 7.38 -29.79	98.24 8.85 -15.64	91.11 8.30 -11.79	80.70 6.92 -9.14	61.95 5.52 -2.38	57.84 4.93 -5.45	49.84 4.83 -0.28
NARROWS_GT2_2 24237	44.41 2.71 0.06	38.12 2.43 0.00	34.79 2.28 0.00	33.61 2.23 0.00	34.37 2.34 0.00	35.50 2.14 0.00	41.88 2.71 0.06	46.71 3.50 0.01	48.81 3.99 0.00	49.68 4.39 0.00	51.81 5.05 -0.01	53.20 5.12 -1.54	58.93 5.11 -7.78	61.92 5.23 -10.35	64.14 5.17 -13.96	82.31 5.59 -29.37	95.49 6.13 -36.92	98.18 7.38 -29.79	98.24 8.85 -15.64	91.11 8.30 -11.79	80.70 6.92 -9.14	61.95 5.52 -2.38	57.84 4.93 -5.45	49.84 4.83 -0.28
NARROWS_GT2_3 24238	44.41 2.71 0.06	38.12 2.43 0.00	34.79 2.28 0.00	33.61 2.23 0.00	34.37 2.34 0.00	35.50 2.14 0.00	41.88 2.71 0.06	46.71 3.50 0.01	48.81 3.99 0.00	49.68 4.39 0.00	51.81 5.05 -0.01	53.20 5.12 -1.54	58.93 5.11 -7.78	61.92 5.23 -10.35	64.14 5.17 -13.96	82.31 5.59 -29.37	95.49 6.13 -36.92	98.18 7.38 -29.79	98.24 8.85 -15.64	91.11 8.30 -11.79	80.70 6.92 -9.14	61.95 5.52 -2.38	57.84 4.93 -5.45	49.84 4.83 -0.28
NARROWS_GT2_4 24239	44.41 2.71 0.06	38.12 2.43 0.00	34.79 2.28 0.00	33.61 2.23 0.00	34.37 2.34 0.00	35.50 2.14 0.00	41.88 2.71 0.06	46.71 3.50 0.01	48.81 3.99 0.00	49.68 4.39 0.00	51.81 5.05 -0.01	53.20 5.12 -1.54	58.93 5.11 -7.78	61.92 5.23 -10.35	64.14 5.17 -13.96	82.31 5.59 -29.37	95.49 6.13 -36.92	98.18 7.38 -29.79	98.24 8.85 -15.64	91.11 8.30 -11.79	80.70 6.92 -9.14	61.95 5.52 -2.38	57.84 4.93 -5.45	49.84 4.83 -0.28
NARROWS_GT2_5 24240	44.41 2.71 0.06	38.12 2.43 0.00	34.79 2.28 0.00	33.61 2.23 0.00	34.37 2.34 0.00	35.50 2.14 0.00	41.88 2.71 0.06	46.71 3.50 0.01	48.81 3.99 0.00	49.68 4.39 0.00	51.81 5.05 -0.01	53.20 5.12 -1.54	58.93 5.11 -7.78	61.92 5.23 -10.35	64.14 5.17 -13.96	82.31 5.59 -29.37	95.49 6.13 -36.92	98.18 7.38 -29.79	98.24 8.85 -15.64	91.11 8.30 -11.79	80.70 6.92 -9.14	61.95 5.52 -2.38	57.84 4.93 -5.45	49.84 4.83 -0.28
NARROWS_GT2_6 24241	44.41 2.71 0.06	38.12 2.43 0.00	34.79 2.28 0.00	33.61 2.23 0.00	34.37 2.34 0.00	35.50 2.14 0.00	41.88 2.71 0.06	46.71 3.50 0.01	48.81 3.99 0.00	49.68 4.39 0.00	51.81 5.05 -0.01	53.20 5.12 -1.54	58.93 5.11 -7.78	61.92 5.23 -10.35	64.14 5.17 -13.96	82.31 5.59 -29.37	95.49 6.13 -36.92	98.18 7.38 -29.79	98.24 8.85 -15.64	91.11 8.30 -11.79	80.70 6.92 -9.14	61.95 5.52 -2.38	57.84 4.93 -5.45	49.84 4.83 -0.28
NARROWS_GT2_7 24242	44.41 2.71 0.06	38.12 2.43 0.00	34.79 2.28 0.00	33.61 2.23 0.00	34.37 2.34 0.00	35.50 2.14 0.00	41.88 2.71 0.06	46.71 3.50 0.01	48.81 3.99 0.00	49.68 4.39 0.00	51.81 5.05 -0.01	53.20 5.12 -1.54	58.93 5.11 -7.78	61.92 5.23 -10.35	64.14 5.17 -13.96	82.31 5.59 -29.37	95.49 6.13 -36.92	98.18 7.38 -29.79	98.24 8.85 -15.64	91.11 8.30 -11.79	80.70 6.92 -9.14	61.95 5.52 -2.38	57.84 4.93 -5.45	49.84 4.83 -0.28
NARROWS_GT2_8 24243	44.41 2.71 0.06	38.12 2.43 0.00	34.79 2.28 0.00	33.61 2.23 0.00	34.37 2.34 0.00	35.50 2.14 0.00	41.88 2.71 0.06	46.71 3.50 0.01	48.81 3.99 0.00	49.68 4.39 0.00	51.81 5.05 -0.01	53.20 5.12 -1.54	58.93 5.11 -7.78	61.92 5.23 -10.35	64.14 5.17 -13.96	82.31 5.59 -29.37	95.49 6.13 -36.92	98.18 7.38 -29.79	98.24 8.85 -15.64	91.11 8.30 -11.79	80.70 6.92 -9.14	61.95 5.52 -2.38	57.84 4.93 -5.45	49.84 4.83 -0.28
NCATSKLL_69_KV_NC-LINE_REV_LBMP_G 345022	43.76 2.00 0.00	37.55 1.86 0.00	34.24 1.72 0.00	33.04 1.66 0.00	33.70 1.67 0.00	35.00 1.63 0.00	41.12 1.88 0.00	45.17 1.90 -0.05	46.84 2.02 0.00	47.24 1.95 0.00	48.71 1.96 0.00	48.27 1.72 0.00	47.70 1.66 0.00	48.79 1.95 -0.50	49.38 1.94 -2.43	52.39 2.13 -2.91	58.43 2.52 -3.48	70.58 3.66 -5.91	80.40 4.72 -1.93	79.27 4.90 -11.22	79.66 3.81 -5.15	62.11 2.92 -5.47	54.44 2.42 -1.65	47.50 2.15 -0.28



NCHELSEA_115KV_TR2 355582	44.11 2.42 0.06	37.87 2.18 0.00	34.47 1.95 0.00	33.32 1.95 0.00	34.02 1.99 0.00	35.34 1.97 0.00	41.65 2.47 0.06	46.33 3.11 0.00	48.23 3.41 0.00	48.91 3.62 0.00	50.89 4.16 0.01	50.69 4.14 0.00	50.28 4.24 0.00	51.66 4.31 -1.02	54.43 4.50 -4.92	59.19 4.92 -6.91	68.22 5.45 -10.34	93.87 6.71 -26.15	93.68 8.11 -11.81	85.66 7.67 -6.97	76.49 6.53 -5.33	61.49 4.97 -2.47	53.91 4.27 -2.19	49.03 4.02 -0.28
NEG CAPITAL___MECHNVIL 23645	44.01 2.25 0.00	37.72 2.03 0.00	34.40 1.89 0.00	33.23 1.85 0.00	33.92 1.89 0.00	35.27 1.90 0.00	41.59 2.35 0.00	45.99 2.68 -0.09	47.47 2.64 0.00	48.01 2.72 0.00	49.55 2.80 0.00	49.06 2.51 0.00	48.39 2.35 0.00	49.24 2.36 -0.53	49.67 2.07 -2.59	52.34 1.90 -3.09	58.30 2.20 -3.66	66.58 3.05 -2.52	77.73 3.98 0.00	78.63 4.19 -3.42	90.06 4.07 -21.36	67.26 3.41 -9.80	59.09 2.94 -8.69	48.80 2.86 -1.22
NEG CENTRAL_HIGH_ACRES 23767	36.92 -3.09 1.75	31.20 -2.64 1.85	28.43 -2.41 1.68	27.47 -2.29 1.62	28.07 -2.31 1.65	29.34 -2.30 1.73	34.65 -2.94 1.64	38.03 -3.15 2.04	39.60 -2.91 2.32	40.06 -2.90 2.33	41.10 -3.32 2.33	40.63 -3.54 2.38	40.15 -3.54 2.35	40.40 -3.57 2.37	39.51 -3.19 2.31	40.05 -3.36 3.94	43.50 -3.99 4.94	49.76 -4.64 6.62	51.74 -5.23 16.78	54.26 -4.83 11.92	56.56 -4.40 3.67	48.14 -3.57 2.34	42.58 -3.42 1.45	40.85 -3.44 0.43
NEG CENTRAL___DRP 24199	44.53 -0.75 -3.53	39.64 -0.39 -4.35	36.25 -0.20 -3.93	34.88 -0.25 -3.75	34.98 -0.13 -3.08	37.37 -0.03 -4.03	43.17 -0.27 -4.20	47.46 -0.78 -5.02	49.86 -0.54 -5.57	50.23 -0.68 -5.62	51.44 -0.98 -5.67	49.90 -1.07 -4.43	49.36 -1.06 -4.38	50.97 -1.07 -5.70	49.36 -1.17 -5.52	50.87 -1.09 -4.61	57.56 -1.10 -6.23	80.88 -1.65 -21.52	120.93 -1.62 -48.81	101.58 -1.35 -31.92	66.87 -1.23 -3.47	56.22 -0.92 -3.08	49.45 -1.00 -2.99	48.69 -1.12 -5.09
NEG CENTRAL___INDECK 23768	78.84 -1.67 -38.75	70.14 -1.43 -35.88	63.93 -1.30 -32.71	61.44 -1.35 -31.41	62.90 -1.28 -32.15	65.75 -1.17 -33.55	74.06 -1.61 -36.43	82.96 -1.94 -41.68	88.03 -1.84 -45.04	88.53 -2.13 -45.36	90.15 -2.66 -46.07	89.88 -2.98 -46.32	88.90 -2.95 -45.80	89.40 -3.01 -46.07	87.22 -2.61 -44.82	84.03 -2.60 -39.28	97.94 -2.99 -48.49	98.83 -3.30 -41.11	127.86 -3.17 -57.28	120.92 -2.28 -52.18	104.52 -1.68 -41.56	89.69 -1.19 -36.83	79.28 -1.56 -33.40	75.65 -1.79 -32.72
NEG CENTRAL___SENECA 23627	46.39 -0.96 -5.60	42.28 -0.39 -6.98	38.76 -0.07 -6.30	37.21 -0.19 -6.02	36.91 -0.03 -4.91	39.94 0.10 -6.48	45.73 -0.24 -6.73	50.36 -0.91 -8.05	53.11 -0.67 -8.95	53.50 -0.82 -9.02	54.64 -1.22 -9.11	52.26 -1.35 -7.07	51.69 -1.34 -6.99	54.15 -1.34 -9.16	52.44 -1.44 -8.87	53.02 -1.37 -7.04	60.65 -1.36 -9.57	93.62 -2.38 -34.99	151.11 -2.43 -79.80	120.95 -2.13 -52.06	67.66 -1.87 -4.91	57.21 -1.46 -4.62	50.48 -1.52 -4.54	51.28 -1.61 -8.17
NEG CENTRAL___STATE_STREET 24147	42.73 -0.46 -1.44	36.97 -0.32 -1.60	33.71 -0.26 -1.45	32.52 -0.25 -1.39	33.07 -0.19 -1.23	34.76 -0.10 -1.49	40.58 -0.24 -1.58	44.60 -0.48 -1.86	46.55 -0.31 -2.04	47.03 -0.32 -2.06	48.26 -0.56 -2.08	47.66 -0.65 -1.77	47.10 -0.69 -1.75	47.73 -0.70 -2.09	46.31 -0.72 -2.02	48.48 -0.62 -1.74	54.08 -0.63 -2.27	66.77 -0.61 -6.37	86.96 -0.44 -13.65	79.99 -0.28 -9.26	66.81 -0.19 -2.37	55.76 -0.05 -1.77	48.74 -0.28 -1.58	46.04 -0.45 -1.77
NEG MILLWOOD___DRP 24198	44.24 2.55 0.06	37.98 2.28 0.00	34.60 2.08 0.00	33.42 2.04 0.00	34.21 2.18 0.00	35.54 2.17 0.00	41.92 2.75 0.06	46.59 3.37 0.00	48.55 3.72 0.00	49.28 3.99 0.00	51.27 4.53 0.01	51.15 4.61 0.00	50.64 4.60 0.00	52.10 4.73 -1.04	55.02 5.00 -5.01	59.65 5.21 -7.08	69.01 5.93 -10.65	95.29 7.20 -27.08	94.74 8.70 -12.28	86.41 8.31 -7.09	76.85 6.92 -5.30	61.74 5.24 -2.45	54.14 4.51 -2.17	49.25 4.25 -0.28
NEG NORTH_FLCN_SEA 23793	42.00 0.25 0.00	35.73 0.04 0.00	32.49 -0.03 0.00	31.29 -0.09 0.00	31.87 -0.16 0.00	33.27 -0.10 0.00	38.92 -0.31 0.00	42.75 -0.48 0.00	44.15 -0.67 0.00	44.52 -0.77 0.00	45.95 -0.79 0.00	45.89 -0.65 0.00	45.44 -0.60 0.00	45.69 -0.65 0.00	44.43 -0.59 0.00	46.60 -0.76 0.00	51.54 -0.89 0.00	59.67 -1.34 0.00	71.83 -1.92 0.00	69.24 -1.78 0.00	63.02 -1.62 0.00	52.70 -1.35 0.00	46.41 -1.04 0.00	43.83 -0.89 0.00
NEG NORTH_KES_CHATEGAY 23792	41.63 -0.13 0.00	35.41 -0.29 0.00	32.19 -0.33 0.00	31.00 -0.38 0.00	31.58 -0.45 0.00	32.97 -0.40 0.00	38.53 -0.71 0.00	42.27 -0.95 0.00	43.66 -1.17 0.00	43.98 -1.31 0.00	45.39 -1.36 0.00	45.29 -1.26 0.00	44.80 -1.24 0.00	45.04 -1.30 0.00	43.84 -1.17 0.00	46.03 -1.33 0.00	50.91 -1.52 0.00	59.00 -2.01 0.00	71.10 -2.66 0.00	68.53 -2.49 0.00	62.50 -2.13 0.00	52.27 -1.78 0.00	45.98 -1.47 0.00	43.42 -1.30 0.00
NEG NORTH___ALICE_FALLS 23915	42.09 0.33 0.00	35.76 0.07 0.00	32.52 0.00 0.00	31.35 -0.03 0.00	31.93 -0.10 0.00	33.33 -0.03 0.00	39.00 -0.24 0.00	42.79 -0.43 0.00	44.24 -0.58 0.00	44.57 -0.72 0.00	46.00 -0.75 0.00	45.94 -0.61 0.00	45.49 -0.55 0.00	45.74 -0.60 0.00	44.47 -0.54 0.00	46.64 -0.71 0.00	51.60 -0.84 0.00	59.79 -1.22 0.00	71.91 -1.84 0.00	69.38 -1.63 0.00	63.21 -1.42 0.00	52.81 -1.24 0.00	46.46 -1.00 0.00	43.91 -0.80 0.00
NEG NORTH___LWR_SARANAC 23913	42.09 0.33 0.00	35.76 0.07 0.00	32.52 0.00 0.00	31.35 -0.03 0.00	31.93 -0.10 0.00	33.33 -0.03 0.00	39.00 -0.24 0.00	42.79 -0.43 0.00	44.24 -0.58 0.00	44.57 -0.72 0.00	46.00 -0.75 0.00	45.94 -0.61 0.00	45.49 -0.55 0.00	45.74 -0.60 0.00	44.47 -0.54 0.00	46.64 -0.71 0.00	51.60 -0.84 0.00	59.79 -1.22 0.00	71.91 -1.84 0.00	69.38 -1.63 0.00	63.21 -1.42 0.00	52.81 -1.24 0.00	46.46 -1.00 0.00	43.91 -0.80 0.00
NEG NORTH___PLATTSBURG 23628	42.09 0.33 0.00	35.76 0.07 0.00	32.52 0.00 0.00	31.35 -0.03 0.00	31.94 -0.10 0.00	33.33 -0.03 0.00	39.00 -0.23 0.00	42.79 -0.43 0.00	44.24 -0.58 0.00	44.56 -0.73 0.00	46.00 -0.75 0.00	45.94 -0.61 0.00	45.49 -0.55 0.00	45.73 -0.60 0.00	44.47 -0.54 0.00	46.55 -0.81 0.00	51.59 -0.84 0.00	59.73 -1.28 0.00	71.91 -1.84 0.00	69.38 -1.63 0.00	63.15 -1.48 0.00	52.81 -1.24 0.00	46.41 -1.04 0.00	43.92 -0.80 0.00
NEG WEST_LEA_LOCKPORT 23791	24.57 -5.26 11.92	22.23 -4.50 8.96	20.29 -4.06 8.16	19.71 -3.83 7.84	20.20 -3.91 7.93	20.96 -4.04 8.37	22.84 -5.02 11.37	26.43 -5.49 11.30	28.48 -5.33 11.01	28.81 -5.39 11.09	29.10 -5.94 11.71	29.38 -6.00 11.16	28.97 -6.03 11.04	29.05 -6.02 11.27	27.98 -6.08 10.96	29.53 -6.01 11.81	30.94 -6.82 14.68	34.08 -8.24 18.69	38.12 -9.66 25.97	40.12 -9.16 21.73	40.39 -8.40 15.84	35.92 -6.65 11.49	32.00 -5.88 9.57	29.81 -5.72 9.19
NEG WEST___LANCASTR 23811	24.60 -3.05 14.11	22.41 -2.61 10.68	20.41 -2.37 9.73	19.81 -2.23 9.34	20.23 -2.31 9.50	21.05 -2.34 9.98	22.94 -2.90 13.40	26.53 -3.20 13.50	28.52 -3.00 13.30	28.91 -2.99 13.39	29.30 -3.37 14.08	29.62 -3.35 13.57	29.26 -3.36 13.42	29.45 -3.29 13.60	28.45 -3.33 13.23	30.52 -3.13 13.71	32.24 -3.57 16.63	36.51 -4.45 20.05	42.19 -5.02 26.54	43.59 -4.69 22.74	42.62 -4.33 17.68	37.38 -3.46 13.21	33.16 -3.13 11.16	30.68 -3.18 10.87

NEG_PENN_ALLEGHNY 23528	43.43 0.04 -1.63	37.68 0.11 -1.89	34.33 0.10 -1.72	33.12 0.09 -1.65	33.84 0.13 -1.68	35.33 0.20 -1.76	40.89 0.12 -1.53	45.38 0.13 -2.02	47.51 0.32 -2.37	47.99 0.32 -2.38	49.28 0.19 -2.35	49.16 0.19 -2.43	48.62 0.18 -2.40	49.00 0.19 -2.47	47.88 0.27 -2.60	49.75 0.38 -2.02	55.33 0.37 -2.53	63.71 0.55 -2.16	79.81 0.81 -5.25	76.00 0.86 -4.13	68.04 0.71 -2.70	56.72 0.65 -2.02	49.79 0.38 -1.96	46.51 0.22 -1.57
NEG___GEN_MONROE 24207	37.09 -2.88 1.78	31.39 -2.50 1.80	28.61 -2.28 1.64	27.65 -2.17 1.57	28.40 -2.18 1.46	29.48 -2.20 1.68	34.64 -2.75 1.85	38.06 -3.07 2.09	39.71 -2.87 2.25	40.13 -2.90 2.26	41.07 -3.37 2.31	40.91 -3.58 2.05	40.37 -3.64 2.03	40.38 -3.66 2.30	39.09 -3.69 2.23	39.74 -3.65 3.97	43.27 -4.09 5.08	46.83 -4.94 9.24	51.31 -5.46 16.98	53.01 -5.04 12.96	53.85 -4.46 6.32	46.18 -3.51 4.36	41.01 -3.27 3.17	39.62 -3.22 1.88
NEPA___ENERGY 23901	22.87 -4.22 14.67	20.93 -3.60 11.15	19.04 -3.32 10.16	18.48 -3.14 9.76	18.87 -3.24 9.93	19.61 -3.34 10.42	21.20 -4.12 13.92	24.59 -4.54 14.10	26.48 -4.39 13.95	26.80 -4.44 14.05	27.18 -4.81 14.75	27.60 -4.70 14.24	27.31 -4.65 14.08	27.48 -4.59 14.27	26.59 -4.55 13.88	28.70 -4.36 14.29	30.23 -4.93 17.27	34.34 -6.04 20.63	39.51 -7.01 27.23	41.17 -6.46 23.39	40.41 -5.95 18.28	35.54 -4.76 13.75	31.43 -4.37 11.65	29.13 -4.25 11.34
NEVERSINK___HYD 23608	43.65 1.96 0.07	37.47 1.78 0.00	34.11 1.59 0.00	32.95 1.57 0.00	33.63 1.60 0.00	34.90 1.54 0.00	41.13 1.96 0.07	45.72 2.51 0.01	47.56 2.73 0.00	48.19 2.90 0.00	50.05 3.32 0.01	49.90 3.35 0.00	49.45 3.41 0.00	50.47 3.48 -0.65	51.82 3.64 -3.16	55.25 4.12 -3.77	61.71 4.72 -4.55	86.42 5.98 -19.43	90.12 7.30 -9.07	82.32 6.82 -4.48	75.46 5.82 -5.01	60.70 4.33 -2.32	53.26 3.75 -2.06	48.47 3.49 -0.26
NEWKRMKL_115KV_TB1 55635	42.71 0.96 0.00	36.69 1.00 0.00	33.46 0.94 0.00	32.32 0.94 0.00	32.96 0.93 0.00	34.30 0.93 0.00	40.30 1.06 0.00	44.63 1.34 -0.07	46.13 1.30 0.00	46.65 1.36 0.00	48.10 1.36 0.00	47.71 1.16 0.00	47.19 1.15 0.00	48.12 1.25 -0.53	48.66 1.08 -2.57	51.46 1.04 -3.07	57.73 1.21 -4.09	65.47 1.83 -2.63	75.96 2.21 0.00	76.86 2.27 -3.57	82.20 2.07 -15.50	62.89 1.73 -7.11	55.23 1.47 -6.31	46.94 1.34 -0.88
NEWTON___FALLS_HYD 23847	41.59 -0.17 0.00	35.37 -0.32 0.00	32.16 -0.36 0.00	31.03 -0.35 0.00	31.55 -0.48 0.00	32.93 -0.43 0.00	38.81 -0.43 0.00	42.75 -0.48 0.00	44.15 -0.67 0.00	44.34 -0.95 0.00	45.48 -1.26 0.00	45.29 -1.26 0.00	44.57 -1.47 0.00	44.58 -1.76 0.00	43.07 -1.94 0.00	45.22 -2.13 0.00	50.23 -2.20 0.00	58.51 -2.50 0.00	71.10 -2.66 0.00	68.32 -2.70 0.00	62.37 -2.26 0.00	52.16 -1.89 0.00	45.93 -1.52 0.00	43.42 -1.30 0.00
NGRID_A1_DSASP 323792	23.29 -5.72 12.75	21.66 -4.89 9.14	19.77 -4.42 8.33	19.24 -4.14 8.00	19.67 -4.26 8.10	20.39 -4.44 8.54	21.67 -5.41 12.15	25.30 -6.01 11.92	27.47 -5.87 11.48	27.79 -5.93 11.56	28.03 -6.45 12.27	28.42 -6.47 11.66	28.02 -6.49 11.53	28.11 -6.49 11.75	27.06 -6.53 11.42	28.64 -6.49 12.23	30.27 -7.39 14.77	32.80 -8.85 19.36	37.19 -10.55 26.01	38.91 -10.30 21.81	39.07 -9.05 16.52	34.87 -7.30 11.88	31.08 -6.45 9.92	28.82 -6.22 9.68
NGRID_A2_DSASP 323793	23.29 -5.72 12.75	21.66 -4.89 9.14	19.77 -4.42 8.33	19.24 -4.14 8.00	19.67 -4.26 8.10	20.39 -4.44 8.54	21.67 -5.41 12.15	25.30 -6.01 11.92	27.47 -5.87 11.48	27.79 -5.93 11.56	28.03 -6.45 12.27	28.42 -6.47 11.66	28.02 -6.49 11.53	28.11 -6.49 11.75	27.06 -6.53 11.42	28.64 -6.49 12.23	30.27 -7.39 14.77	32.80 -8.85 19.36	37.19 -10.55 26.01	38.91 -10.30 21.81	39.07 -9.05 16.52	34.87 -7.30 11.88	31.08 -6.45 9.92	28.82 -6.22 9.68
NGRID_A4_DSASP 323807	23.29 -5.72 12.75	21.66 -4.89 9.14	19.77 -4.42 8.33	19.24 -4.14 8.00	19.67 -4.26 8.10	20.39 -4.44 8.54	21.67 -5.41 12.15	25.30 -6.01 11.92	27.47 -5.87 11.48	27.79 -5.93 11.56	28.03 -6.45 12.27	28.42 -6.47 11.66	28.02 -6.49 11.53	28.11 -6.49 11.75	27.06 -6.53 11.42	28.64 -6.49 12.23	30.27 -7.39 14.77	32.80 -8.85 19.36	37.19 -10.55 26.01	38.91 -10.30 21.81	39.07 -9.05 16.52	34.87 -7.30 11.88	31.08 -6.45 9.92	28.82 -6.22 9.68
NIAGARA_115E_LBMP 323715	23.29 -5.55 12.91	21.52 -4.67 9.50	19.67 -4.19 8.66	19.11 -3.95 8.31	19.43 -4.10 8.50	20.25 -4.24 8.88	21.57 -5.45 12.22	25.45 -5.88 11.89	27.65 -5.78 11.39	27.98 -5.84 11.47	28.19 -6.36 12.19	28.46 -6.37 11.71	28.07 -6.40 11.58	28.25 -6.44 11.65	28.00 -5.67 11.34	28.94 -6.20 12.22	29.68 -7.50 15.26	33.94 -8.60 18.47	37.49 -10.25 26.01	39.77 -9.44 21.80	39.72 -8.66 16.25	35.62 -6.97 11.45	31.61 -6.31 9.54	29.20 -6.17 9.35
NIAGARA_115W_LBMP 323714	22.83 -5.72 13.21	21.43 -4.82 9.44	19.59 -4.32 8.61	19.04 -4.08 8.27	19.35 -4.23 8.45	20.17 -4.37 8.83	21.14 -5.61 12.49	24.93 -6.01 12.28	27.04 -5.92 11.86	27.41 -5.93 11.95	27.59 -6.50 12.66	27.88 -6.47 12.19	27.49 -6.49 12.06	27.72 -6.49 12.13	27.49 -5.72 11.80	28.53 -6.20 12.62	29.47 -7.71 15.26	33.63 -8.60 18.78	37.27 -10.47 26.01	39.48 -9.73 21.80	39.29 -8.85 16.49	35.24 -6.97 11.84	31.21 -6.36 9.88	28.86 -6.21 9.65
NIAGARA_230_LBMP 323716	23.31 -5.55 12.89	22.03 -4.67 8.98	20.10 -4.23 8.19	19.56 -3.95 7.87	19.89 -4.10 8.04	20.73 -4.24 8.40	21.59 -5.45 12.20	25.47 -5.88 11.87	27.72 -5.74 11.37	28.04 -5.80 11.45	28.26 -6.31 12.17	28.57 -6.28 11.69	28.18 -6.31 11.56	28.36 -6.35 11.63	28.11 -5.58 11.32	29.10 -6.06 12.20	29.91 -7.29 15.24	34.21 -8.36 18.45	37.80 -9.96 25.99	40.00 -9.23 21.78	40.00 -8.40 16.23	35.80 -6.81 11.43	31.72 -6.21 9.52	29.31 -6.08 9.33
NIAGARA___115KV_198_GIBSON 55903	23.28 -5.76 12.71	21.71 -4.89 9.09	19.82 -4.42 8.28	19.29 -4.14 7.95	19.72 -4.26 8.05	20.44 -4.44 8.49	21.70 -5.41 12.12	25.34 -6.01 11.87	27.52 -5.87 11.43	27.84 -5.93 11.51	28.03 -6.50 12.21	28.47 -6.47 11.61	28.07 -6.49 11.48	28.16 -6.49 11.69	27.07 -6.57 11.37	28.68 -6.49 12.18	30.22 -7.45 14.77	32.84 -8.85 19.32	37.20 -10.55 26.01	38.91 -10.30 21.80	39.10 -9.05 16.49	34.91 -7.30 11.84	31.11 -6.45 9.88	28.81 -6.26 9.65
NIAGARA____ 23760	23.31 -5.55 12.89	22.03 -4.67 8.98	20.10 -4.23 8.19	19.56 -3.95 7.87	19.89 -4.10 8.04	20.73 -4.24 8.40	21.59 -5.45 12.20	25.47 -5.88 11.88	27.71 -5.74 11.37	28.04 -5.80 11.45	28.26 -6.31 12.17	28.57 -6.28 11.69	28.18 -6.31 11.56	28.36 -6.35 11.63	28.11 -5.58 11.32	29.10 -6.06 12.20	29.91 -7.29 15.24	34.21 -8.36 18.45	37.80 -9.96 25.99	40.00 -9.23 21.79	40.00 -8.40 16.23	35.80 -6.81 11.44	31.72 -6.21 9.52	29.31 -6.08 9.33
NINE_MILE_1 23575	40.38 -1.38 0.00	34.58 -1.11 0.00	31.51 -1.01 0.00	30.41 -0.97 0.00	31.07 -0.96 0.00	32.40 -0.97 0.00	37.94 -1.29 0.00	41.67 -1.55 0.00	43.21 -1.61 0.00	43.66 -1.63 0.00	44.97 -1.78 0.00	44.73 -1.82 0.00	44.24 -1.80 0.00	44.53 -1.81 0.00	43.30 -1.71 0.00	31.74 -1.75 13.86	33.06 -1.94 17.44	33.26 -2.19 25.56	33.51 -2.65 37.59	34.38 -2.41 34.22	31.67 -2.20 30.76	33.40 -1.84 18.81	34.12 -1.66 11.67	43.07 -1.65 0.00

NINE_MILE_2 23744	40.38 -1.38 0.00	34.58 -1.11 0.00	31.51 -1.01 0.00	30.41 -0.97 0.00	31.07 -0.96 0.00	32.40 -0.97 0.00	37.94 -1.29 0.00	41.67 -1.55 0.00	43.21 -1.61 0.00	43.66 -1.63 0.00	44.97 -1.78 0.00	44.73 -1.82 0.00	44.24 -1.80 0.00	44.53 -1.81 0.00	43.30 -1.71 0.00	31.56 -1.75 14.04	32.83 -1.94 17.66	32.92 -2.19 25.89	33.02 -2.65 38.08	33.94 -2.41 34.66	31.27 -2.20 31.16	33.15 -1.84 19.06	33.97 -1.66 11.82	43.07 -1.65 0.00
NM_CAPITAL___DRP 24208	42.80 1.04 0.00	36.80 1.11 0.00	33.56 1.04 0.00	32.41 1.04 0.00	33.06 1.02 0.00	34.40 1.03 0.00	40.45 1.22 0.00	44.63 1.34 -0.07	46.13 1.30 0.00	46.60 1.31 0.00	48.05 1.31 0.00	47.94 1.40 0.00	47.42 1.38 0.00	48.47 1.44 -0.69	49.67 1.31 -3.35	52.58 1.23 -4.00	58.45 1.36 -4.65	66.04 1.95 -3.08	76.11 2.36 0.00	77.61 2.41 -4.18	82.10 2.13 -15.34	62.92 1.84 -7.04	55.31 1.61 -6.24	47.07 1.48 -0.87
NM_CENTRAL___DRP 24181	41.04 -0.71 0.00	35.12 -0.57 0.00	32.03 -0.49 0.00	30.88 -0.50 0.00	31.58 -0.45 0.00	32.93 -0.43 0.00	38.65 -0.59 0.00	42.49 -0.73 0.00	44.20 -0.63 0.00	44.66 -0.63 0.00	45.95 -0.79 0.00	45.71 -0.84 0.00	45.17 -0.87 0.00	45.46 -0.88 0.00	44.16 -0.86 0.00	45.79 -0.81 0.76	50.59 -0.89 0.96	58.67 -0.92 1.43	70.69 -0.96 2.10	68.18 -0.92 1.91	62.07 -0.84 1.72	52.35 -0.65 1.05	46.09 -0.71 0.65	43.96 -0.76 0.00
NM_FRONTIER___DRP 24179	23.28 -5.76 12.71	21.71 -4.89 9.09	19.82 -4.42 8.28	19.29 -4.14 7.95	19.72 -4.26 8.05	20.44 -4.44 8.49	21.70 -5.41 12.12	25.34 -6.01 11.87	27.52 -5.87 11.43	27.84 -5.93 11.51	28.03 -6.50 12.21	28.47 -6.47 11.61	28.07 -6.49 11.48	28.16 -6.49 11.69	27.07 -6.57 11.37	28.68 -6.49 12.18	30.22 -7.45 14.77	32.84 -8.85 19.32	37.20 -10.55 26.01	38.91 -10.30 21.80	39.10 -9.05 16.49	34.91 -7.30 11.84	31.11 -6.45 9.88	28.81 -6.26 9.65
NM_ST_REGIS___HYD 24053	41.54 -0.21 0.00	35.30 -0.39 0.00	32.13 -0.39 0.00	30.97 -0.41 0.00	31.52 -0.51 0.00	32.93 -0.43 0.00	38.73 -0.51 0.00	42.62 -0.61 0.00	44.02 -0.81 0.00	44.29 -1.00 0.00	45.67 -1.08 0.00	45.52 -1.02 0.00	44.98 -1.06 0.00	44.95 -1.39 0.00	43.52 -1.49 0.00	45.51 -1.85 0.00	50.44 -1.99 0.00	58.45 -2.56 0.00	70.58 -3.17 0.00	67.96 -3.05 0.00	61.98 -2.65 0.00	51.83 -2.22 0.00	45.79 -1.66 0.00	43.42 -1.30 0.00
NORTHPORT___1 23551	44.61 2.92 0.06	38.37 2.68 0.00	34.70 2.18 0.00	33.51 2.13 0.00	34.24 2.21 0.00	35.67 2.30 0.00	42.08 2.90 0.06	48.33 3.97 -1.14	49.24 4.40 -0.02	51.39 4.67 -1.43	51.83 4.72 -0.37	52.58 4.84 -1.20	57.33 4.83 -6.46	55.17 4.82 -4.01	54.63 4.54 -5.07	59.69 4.55 -7.79	69.63 4.51 -12.69	93.89 5.55 -27.33	92.71 6.56 -12.40	83.77 5.61 -7.15	74.33 4.59 -5.10	60.36 3.94 -2.37	52.97 3.42 -2.10	49.68 4.69 -0.27
NORTHPORT___2 23552	44.61 2.92 0.06	38.37 2.68 0.00	34.70 2.18 0.00	33.51 2.13 0.00	34.24 2.21 0.00	35.67 2.30 0.00	42.08 2.90 0.06	48.33 3.97 -1.14	49.24 4.40 -0.02	51.39 4.67 -1.43	51.83 4.72 -0.37	52.58 4.84 -1.20	57.33 4.83 -6.46	55.17 4.82 -4.01	54.63 4.54 -5.07	59.69 4.55 -7.79	69.63 4.51 -12.69	93.89 5.55 -27.33	92.71 6.56 -12.40	83.77 5.61 -7.15	74.33 4.59 -5.10	60.36 3.94 -2.37	52.97 3.42 -2.10	49.68 4.69 -0.27
NORTHPORT___3 23553	44.57 2.88 0.06	38.33 2.64 0.00	34.70 2.18 0.00	33.48 2.10 0.00	34.21 2.18 0.00	35.64 2.27 0.00	42.08 2.90 0.06	48.29 3.93 -1.14	49.19 4.35 -0.02	51.35 4.62 -1.43	51.83 4.72 -0.37	52.54 4.80 -1.20	57.29 4.79 -6.46	55.12 4.77 -4.01	54.68 4.59 -5.07	59.74 4.59 -7.79	69.74 4.62 -12.69	94.01 5.67 -27.33	92.86 6.71 -12.40	83.91 5.75 -7.15	74.39 4.66 -5.10	60.36 3.94 -2.37	53.01 3.46 -2.10	49.68 4.69 -0.27
NORTHPORT___4 23650	44.57 2.88 0.06	38.33 2.64 0.00	34.70 2.18 0.00	33.48 2.10 0.00	34.21 2.18 0.00	35.64 2.27 0.00	42.08 2.90 0.06	48.29 3.93 -1.14	49.19 4.35 -0.02	51.35 4.62 -1.43	51.83 4.72 -0.37	52.54 4.80 -1.20	57.29 4.79 -6.46	55.12 4.77 -4.01	54.68 4.59 -5.07	59.74 4.59 -7.79	69.74 4.62 -12.69	94.01 5.67 -27.33	92.86 6.71 -12.40	83.91 5.75 -7.15	74.39 4.66 -5.10	60.36 3.94 -2.37	53.01 3.46 -2.10	49.68 4.69 -0.27
NORTHPORT___IC 23718	44.95 3.26 0.06	38.62 2.93 0.00	34.96 2.44 0.00	33.73 2.35 0.00	34.50 2.47 0.00	35.94 2.57 0.00	42.35 3.18 0.06	48.42 4.06 -1.14	49.23 4.39 -0.02	51.34 4.62 -1.43	51.83 4.72 -0.37	52.58 4.84 -1.20	57.34 4.83 -6.46	55.17 4.82 -4.01	54.63 4.55 -5.07	59.69 4.55 -7.79	69.63 4.51 -12.69	93.89 5.55 -27.33	92.71 6.56 -12.40	83.99 5.82 -7.15	74.46 4.72 -5.10	60.47 4.05 -2.37	53.06 3.51 -2.10	49.73 4.74 -0.27
NORTH___COUNTRY_ESR 323785	41.55 -0.21 0.00	35.33 -0.36 0.00	32.13 -0.39 0.00	30.94 -0.44 0.00	31.52 -0.51 0.00	32.90 -0.47 0.00	38.49 -0.75 0.00	42.23 -0.99 0.00	43.66 -1.17 0.00	43.98 -1.31 0.00	45.44 -1.31 0.00	45.33 -1.21 0.00	44.89 -1.15 0.00	45.13 -1.21 0.00	43.84 -1.17 0.00	45.98 -1.37 0.00	50.91 -1.52 0.00	58.94 -2.07 0.00	71.02 -2.73 0.00	68.39 -2.63 0.00	62.24 -2.39 0.00	52.11 -1.94 0.00	45.84 -1.61 0.00	43.33 -1.39 0.00
NPX_GEN_1385_PROXY 323591	44.32 2.63 0.06	38.37 2.68 0.00	34.70 2.18 0.00	33.51 2.13 0.00	34.24 2.21 0.00	35.77 2.40 0.00	42.08 2.90 0.06	48.33 3.97 -1.14	48.83 3.99 -0.02	50.98 4.26 -1.43	51.32 4.21 -0.37	52.02 4.28 -1.20	56.69 4.19 -6.46	54.43 4.08 -4.01	53.95 3.87 -5.07	58.93 3.79 -7.79	68.48 3.36 -12.69	80.41 3.91 -15.49	88.60 4.57 -10.27	82.21 4.05 -7.15	73.42 3.68 -5.10	60.36 3.94 -2.37	52.97 3.42 -2.10	49.10 4.11 -0.27
NPX_GEN_CSC 323557	45.28 3.59 0.06	38.90 3.21 0.00	35.15 2.63 0.00	33.92 2.54 0.00	34.66 2.63 0.00	36.07 2.70 0.00	42.55 3.37 0.06	48.94 4.58 -1.14	49.95 5.11 -0.02	52.11 5.39 -1.43	52.76 5.65 -0.37	53.05 5.30 -1.20	57.89 5.38 -6.46	55.91 5.56 -4.01	55.53 5.44 -5.08	60.31 5.16 -7.80	70.16 5.03 -12.69	94.56 6.23 -27.33	93.45 7.30 -12.40	84.41 6.25 -7.15	74.71 4.98 -5.10	60.74 4.33 -2.37	53.54 3.99 -2.10	50.31 5.32 -0.27
NSINS_S_GLNS_FALLS 23858	44.80 3.05 0.00	38.44 2.75 0.00	35.02 2.50 0.00	33.80 2.42 0.00	34.50 2.47 0.00	35.90 2.54 0.00	42.34 3.10 0.00	46.95 3.63 -0.10	48.41 3.59 0.00	49.05 3.76 0.00	50.67 3.93 0.00	49.71 3.16 0.00	48.89 2.85 0.00	49.55 2.73 -0.47	49.55 2.25 -2.29	51.18 1.09 -2.73	57.31 1.63 -3.25	65.93 2.68 -2.24	77.73 3.98 0.00	78.60 4.54 -3.04	91.47 4.65 -22.18	67.96 3.73 -10.18	59.71 3.23 -9.03	50.01 4.02 -1.26
NUCOR_STEEL___DRP 24197	41.38 -0.38 0.00	35.44 -0.25 0.00	32.32 -0.20 0.00	31.16 -0.22 0.00	31.87 -0.16 0.00	33.27 -0.10 0.00	39.00 -0.24 0.00	42.79 -0.43 0.00	44.51 -0.31 0.00	44.93 -0.36 0.00	46.18 -0.56 0.00	45.85 -0.70 0.00	45.35 -0.69 0.00	45.60 -0.74 0.00	44.25 -0.77 0.00	46.69 -0.66 0.00	51.75 -0.68 0.00	61.70 -0.67 -1.36	77.84 -0.44 -4.53	73.52 -0.36 -2.86	64.37 -0.26 0.00	53.94 -0.11 0.00	47.17 -0.28 0.00	44.51 -0.40 -0.19

NUMBER_THREE_WT_PWR 323818	41.92 0.17 0.00	35.58 -0.11 0.00	32.32 -0.19 0.00	31.16 -0.22 0.00	31.65 -0.38 0.00	32.97 -0.40 0.00	38.88 -0.35 0.00	42.83 -0.39 0.00	44.24 -0.58 0.00	44.34 -0.95 0.00	45.44 -1.31 0.00	45.19 -1.35 0.00	44.38 -1.66 0.00	44.58 -1.76 0.00	42.99 -2.02 0.00	45.32 -2.03 0.00	50.39 -2.05 0.00	58.94 -2.07 0.00	71.91 -1.84 0.00	68.95 -2.06 0.00	62.95 -1.68 0.00	52.64 -1.41 0.00	46.17 -1.28 0.00	43.56 -1.16 0.00
NYISO_LBMP_REFERENCE 24008	41.75 0.00 0.00	35.69 0.00 0.00	32.52 0.00 0.00	31.38 0.00 0.00	32.03 0.00 0.00	33.37 0.00 0.00	39.24 0.00 0.00	43.22 0.00 0.00	44.83 0.00 0.00	45.29 0.00 0.00	46.74 0.00 0.00	46.54 0.00 0.00	46.04 0.00 0.00	46.34 0.00 0.00	45.01 0.00 0.00	47.36 0.00 0.00	52.44 0.00 0.00	61.01 0.00 0.00	73.75 0.00 0.00	71.01 0.00 0.00	64.63 0.00 0.00	54.05 0.00 0.00	47.45 0.00 0.00	44.72 0.00 0.00
NYPA_BRENTWD____GT 24164	45.15 3.46 0.06	38.79 3.10 0.00	35.06 2.54 0.00	33.86 2.48 0.00	34.59 2.56 0.00	36.04 2.67 0.00	42.55 3.37 0.06	48.85 4.49 -1.14	49.82 4.98 -0.02	52.02 5.30 -1.43	52.62 5.51 -0.37	53.37 5.63 -1.20	58.21 5.71 -6.46	56.09 5.74 -4.01	55.70 5.58 -5.11	60.86 5.68 -7.83	70.74 5.61 -12.69	95.05 6.71 -27.33	94.12 7.97 -12.40	85.05 6.89 -7.15	75.56 5.82 -5.10	61.55 5.14 -2.37	53.91 4.36 -2.10	50.40 5.41 -0.27
NYPA_GOWANUS____GT5 24156	44.41 2.71 0.06	38.12 2.43 0.00	34.79 2.28 0.00	33.61 2.23 0.00	34.37 2.34 0.00	35.50 2.14 0.00	41.88 2.71 0.06	46.71 3.50 0.01	48.81 3.99 0.00	49.68 4.39 0.00	51.81 5.05 -0.01	53.20 5.12 -1.54	58.93 5.11 -7.78	61.92 5.23 -10.35	64.14 5.17 -13.96	82.31 5.59 -29.37	95.49 6.13 -36.92	98.18 7.38 -29.79	98.16 8.77 -15.64	91.11 8.30 -11.79	80.70 6.92 -9.14	61.89 5.46 -2.38	57.84 4.93 -5.45	49.84 4.83 -0.28
NYPA_GOWANUS____GT6 24157	44.41 2.71 0.06	38.12 2.43 0.00	34.79 2.28 0.00	33.61 2.23 0.00	34.37 2.34 0.00	35.50 2.14 0.00	41.88 2.71 0.06	46.71 3.50 0.01	48.81 3.99 0.00	49.68 4.39 0.00	51.81 5.05 -0.01	53.20 5.12 -1.54	58.93 5.11 -7.78	61.92 5.23 -10.35	64.14 5.17 -13.96	82.31 5.59 -29.37	95.49 6.13 -36.92	98.18 7.38 -29.79	98.16 8.77 -15.64	91.11 8.30 -11.79	80.70 6.92 -9.14	61.89 5.46 -2.38	57.84 4.93 -5.45	49.84 4.83 -0.28
NYPA_HARLEM__RVR__GT1 24160	44.07 2.38 0.06	37.83 2.14 0.00	34.76 2.24 0.00	33.54 2.16 0.00	34.31 2.27 0.00	35.26 1.90 0.01	41.60 2.43 0.07	46.37 3.15 0.01	48.49 3.68 0.01	49.31 4.03 0.01	51.42 4.67 -0.01	51.66 4.89 -0.23	58.74 4.93 -7.77	61.77 5.01 -0.43	63.96 5.00 -13.95	81.98 5.26 -29.36	68.78 5.82 -10.53	97.75 6.95 -29.79	97.64 8.26 -15.63	90.68 7.88 -11.79	80.23 6.46 -9.14	61.45 5.03 -2.37	57.45 4.56 -5.44	49.42 4.43 -0.28
NYPA_HARLEM__RVR__GT2 24161	44.07 2.38 0.06	37.83 2.14 0.00	34.76 2.24 0.00	33.54 2.16 0.00	34.31 2.27 0.00	35.26 1.90 0.01	41.60 2.43 0.07	46.37 3.15 0.01	48.49 3.68 0.01	49.31 4.03 0.01	51.42 4.67 -0.01	51.66 4.89 -0.23	58.74 4.93 -7.77	61.77 5.01 -0.43	63.96 5.00 -13.95	81.98 5.26 -29.36	68.78 5.82 -10.53	97.75 6.95 -29.79	97.64 8.26 -15.63	90.68 7.88 -11.79	80.23 6.46 -9.14	61.45 5.03 -2.37	57.45 4.56 -5.44	49.42 4.43 -0.28
NYPA_KENT____GT 24152	44.33 2.63 0.06	38.05 2.36 0.00	34.73 2.21 0.00	33.54 2.16 0.00	34.31 2.27 0.00	35.47 2.10 0.00	41.85 2.67 0.06	46.63 3.41 0.01	48.72 3.90 0.00	49.64 4.35 0.00	51.71 4.95 -0.01	53.16 5.07 -1.54	58.89 5.06 -7.78	61.83 5.14 -10.35	64.10 5.13 -13.96	82.22 5.49 -29.37	95.39 6.03 -36.92	98.06 7.26 -29.79	98.02 8.62 -15.64	90.97 8.16 -11.79	80.56 6.78 -9.14	61.78 5.35 -2.38	57.69 4.79 -5.45	49.70 4.69 -0.28
NYPA_POUCH1____GT 24155	44.41 2.71 0.06	38.08 2.39 0.00	34.76 2.24 0.00	33.54 2.16 0.00	34.31 2.27 0.00	35.44 2.07 0.00	41.81 2.63 0.06	46.59 3.37 0.01	48.72 3.90 0.00	49.60 4.30 0.00	51.71 4.95 -0.01	53.06 4.98 -1.54	58.70 4.88 -7.78	61.69 5.01 -10.35	63.97 5.00 -13.96	82.12 5.40 -29.37	95.23 5.87 -36.92	97.94 7.13 -29.79	97.87 8.48 -15.64	90.83 8.02 -11.79	80.44 6.66 -9.14	61.73 5.30 -2.38	57.70 4.79 -5.45	49.74 4.74 -0.28
NYPA_VERNON____GT2 24162	44.20 2.51 0.06	37.94 2.25 0.00	34.66 2.15 0.00	33.48 2.10 0.00	34.24 2.21 0.00	35.44 2.07 0.00	41.81 2.63 0.06	46.59 3.37 0.01	48.68 3.86 0.00	49.55 4.26 0.00	51.57 4.82 -0.01	53.06 4.98 -1.54	58.84 5.02 -7.78	61.78 5.10 -10.35	64.05 5.08 -13.96	82.12 5.40 -29.37	95.33 5.98 -36.92	97.94 7.13 -29.79	97.87 8.48 -15.64	90.83 8.02 -11.79	80.50 6.72 -9.14	61.67 5.24 -2.38	57.55 4.65 -5.45	49.56 4.56 -0.28
NYPA_VERNON____GT3 24163	44.20 2.51 0.06	37.94 2.25 0.00	34.66 2.15 0.00	33.48 2.10 0.00	34.24 2.21 0.00	35.44 2.07 0.00	41.81 2.63 0.06	46.59 3.37 0.01	48.68 3.86 0.00	49.55 4.26 0.00	51.57 4.82 -0.01	53.06 4.98 -1.54	58.84 5.02 -7.78	61.78 5.10 -10.35	64.05 5.08 -13.96	82.12 5.40 -29.37	95.33 5.98 -36.92	97.94 7.13 -29.79	97.87 8.48 -15.64	90.83 8.02 -11.79	80.50 6.72 -9.14	61.67 5.24 -2.38	57.55 4.65 -5.45	49.56 4.56 -0.28
NYPA__ASTORIA_CC1 323568	44.15 2.46 0.06	37.90 2.21 0.00	34.66 2.15 0.00	33.48 2.10 0.00	34.21 2.18 0.00	35.40 2.04 0.00	41.73 2.55 0.06	46.50 3.28 0.01	48.59 3.77 0.00	49.46 4.16 0.00	51.53 4.77 -0.01	52.97 4.89 -1.54	58.75 4.93 -7.78	61.69 5.01 -10.35	63.97 5.00 -13.96	82.03 5.30 -29.37	95.23 5.87 -36.92	97.82 7.01 -29.79	97.72 8.33 -15.64	90.76 7.95 -11.79	80.37 6.60 -9.14	61.62 5.19 -2.38	57.50 4.60 -5.45	49.47 4.47 -0.28
NYPA__ASTORIA_CC2 323569	44.15 2.46 0.06	37.90 2.21 0.00	34.66 2.15 0.00	33.48 2.10 0.00	34.21 2.18 0.00	35.40 2.04 0.00	41.73 2.55 0.06	46.50 3.28 0.01	48.59 3.77 0.00	49.46 4.16 0.00	51.53 4.77 -0.01	52.97 4.89 -1.54	58.75 4.93 -7.78	61.69 5.01 -10.35	63.97 5.00 -13.96	82.03 5.30 -29.37	95.23 5.87 -36.92	97.82 7.01 -29.79	97.72 8.33 -15.64	90.76 7.95 -11.79	80.37 6.60 -9.14	61.62 5.19 -2.38	57.50 4.60 -5.45	49.47 4.47 -0.28
NYPA__HOLTSVILL 23794	44.90 3.22 0.06	38.62 2.93 0.00	34.92 2.41 0.00	33.70 2.32 0.00	34.43 2.40 0.00	35.84 2.47 0.00	42.32 3.14 0.06	48.59 4.24 -1.14	49.55 4.71 -0.02	51.75 5.03 -1.43	52.39 5.28 -0.37	53.00 5.26 -1.20	57.79 5.29 -6.46	55.77 5.42 -4.01	55.35 5.26 -5.08	60.36 5.21 -7.80	70.26 5.14 -12.69	94.62 6.29 -27.33	93.59 7.45 -12.40	84.56 6.39 -7.15	74.91 5.17 -5.10	60.90 4.48 -2.37	53.54 3.99 -2.10	50.08 5.10 -0.27
NYPA__HELLGATE_GT1 24158	44.07 2.38 0.06	37.83 2.14 0.00	34.76 2.24 0.00	33.54 2.16 0.00	34.31 2.27 0.00	35.26 1.90 0.01	41.60 2.43 0.07	46.37 3.15 0.01	48.49 3.68 0.01	49.31 4.03 0.01	51.42 4.67 -0.01	54.27 4.89 -2.84	58.74 4.93 -7.77	53.47 5.01 -2.13	63.96 5.00 -13.95	82.02 5.30 -29.36	73.31 5.82 -15.06	97.75 6.95 -29.79	97.64 8.26 -15.63	90.68 7.88 -11.79	80.23 6.46 -9.14	61.45 5.03 -2.37	57.45 4.56 -5.44	49.42 4.43 -0.28

NYPA_____HELLGATE_GT2 24159	44.07 2.38 0.06	37.83 2.14 0.00	34.76 2.24 0.00	33.54 2.16 0.00	34.31 2.27 0.00	35.26 1.90 0.01	41.60 2.43 0.07	46.37 3.15 0.01	48.49 3.68 0.01	49.31 4.03 0.01	51.42 4.67 -0.01	54.27 4.89 -2.84	58.74 4.93 -7.77	53.47 5.01 -2.13	63.96 5.00 -13.95	82.02 5.30 -29.36	73.31 5.82 -15.06	97.75 6.95 -29.79	97.64 8.26 -15.63	90.68 7.88 -11.79	80.23 6.46 -9.14	61.45 5.03 -2.37	57.45 4.56 -5.44	49.42 4.43 -0.28
NYS_BARGE____HYD 23848	24.79 -5.18 11.78	22.52 -4.36 8.82	20.54 -3.94 8.04	19.96 -3.70 7.72	20.29 -3.84 7.90	21.18 -3.94 8.25	23.04 -5.06 11.14	26.71 -5.45 11.06	28.76 -5.29 10.78	29.09 -5.34 10.85	29.40 -5.89 11.46	29.56 -5.91 11.07	29.11 -5.98 10.95	29.34 -5.98 11.02	29.07 -5.22 10.72	30.06 -5.64 11.66	31.18 -6.82 14.44	35.68 -7.93 17.40	39.23 -9.29 25.23	41.47 -8.52 21.02	41.75 -7.76 15.12	36.90 -6.27 10.88	32.69 -5.74 9.02	30.40 -5.68 8.64
OAK ORCHARD____HYD 24046	36.58 -3.01 2.17	31.00 -2.57 2.12	28.28 -2.31 1.93	27.32 -2.20 1.86	27.89 -2.24 1.90	29.15 -2.24 1.98	34.29 -2.90 2.04	37.76 -3.07 2.40	39.37 -2.82 2.64	39.79 -2.85 2.65	40.84 -3.22 2.68	40.40 -3.44 2.70	39.91 -3.45 2.67	40.17 -3.48 2.70	39.37 -3.02 2.62	39.72 -3.22 4.41	43.02 -3.88 5.53	48.73 -4.45 7.83	52.07 -5.09 16.59	53.82 -4.61 12.58	54.64 -4.14 5.85	46.67 -3.35 4.02	41.30 -3.27 2.88	39.86 -3.31 1.55
OAKDALE____35_KV_LOAD 356122	43.12 -0.04 -1.41	37.50 0.04 -1.78	34.17 0.03 -1.62	32.96 0.03 -1.55	33.65 0.10 -1.52	35.16 0.13 -1.66	40.67 0.04 -1.39	45.16 0.04 -1.89	47.24 0.18 -2.24	47.73 0.18 -2.25	49.05 0.09 -2.22	48.78 0.05 -2.19	48.25 0.05 -2.17	48.77 0.09 -2.34	47.53 0.05 -2.47	49.40 0.19 -1.86	55.01 0.21 -2.37	64.12 0.37 -2.74	79.99 0.59 -5.65	76.03 0.57 -4.44	67.93 0.45 -2.85	56.64 0.43 -2.15	49.78 0.24 -2.09	46.55 0.13 -1.70
OCC_CHEM____DRP 24175	23.29 -5.72 12.75	21.66 -4.89 9.14	19.77 -4.42 8.33	19.24 -4.14 8.00	19.67 -4.26 8.10	20.39 -4.44 8.54	21.67 -5.41 12.15	25.30 -6.01 11.92	27.47 -5.87 11.48	27.79 -5.93 11.56	28.03 -6.45 12.27	28.42 -6.47 11.66	28.02 -6.49 11.53	28.11 -6.49 11.75	27.06 -6.53 11.42	28.64 -6.49 12.23	30.27 -7.39 14.77	32.80 -8.85 19.36	37.19 -10.55 26.01	38.91 -10.30 21.81	39.07 -9.05 16.52	34.87 -7.30 11.88	31.08 -6.45 9.92	28.82 -6.22 9.68
OH_GEN_PROXY 24063	24.00 -5.47 12.28	22.72 -4.60 8.37	20.73 -4.16 7.63	20.16 -3.89 7.33	20.47 -4.07 7.49	21.37 -4.17 7.82	22.27 -5.34 11.63	26.30 -5.75 11.17	28.60 -5.65 10.58	28.98 -5.66 10.65	29.20 -6.17 11.37	29.53 -6.14 10.87	29.12 -6.17 10.75	29.31 -6.21 10.82	29.04 -5.45 10.52	30.00 -5.87 11.48	31.03 -7.08 14.32	35.16 -8.11 17.74	39.50 -9.66 24.59	41.59 -8.95 20.48	41.05 -8.15 15.44	36.70 -6.60 10.75	32.47 -6.07 8.91	29.95 -5.99 8.77
OLIN_CORP_DRP 24177	23.49 -5.59 12.67	21.61 -4.75 9.33	19.72 -4.29 8.50	19.20 -4.02 8.16	19.66 -4.10 8.27	20.37 -4.27 8.72	21.78 -5.38 12.09	25.57 -5.88 11.78	27.80 -5.74 11.29	28.13 -5.80 11.37	28.31 -6.36 12.08	28.76 -6.33 11.46	28.31 -6.40 11.33	28.40 -6.39 11.55	27.30 -6.48 11.23	28.85 -6.44 12.06	30.16 -7.34 14.94	32.90 -8.85 19.26	37.21 -9.94 26.15	39.13 -9.94 21.95	38.96 -9.18 16.49	35.08 -7.24 11.72	31.27 -6.41 9.78	28.97 -6.17 9.58
OLIN_CORP_DSASP 323712	23.29 -5.72 12.75	21.66 -4.89 9.14	19.77 -4.42 8.33	19.24 -4.14 8.00	19.67 -4.26 8.10	20.39 -4.44 8.54	21.67 -5.41 12.15	25.30 -6.01 11.92	27.47 -5.87 11.48	27.79 -5.93 11.56	28.03 -6.45 12.27	28.42 -6.47 11.66	28.02 -6.49 11.53	28.11 -6.49 11.75	27.06 -6.53 11.42	28.64 -6.49 12.23	30.27 -7.39 14.77	32.80 -8.85 19.36	37.19 -10.55 26.01	38.91 -10.30 21.81	39.07 -9.05 16.52	34.87 -7.30 11.88	31.08 -6.45 9.92	28.82 -6.22 9.68
ONEIDA_HERK_LFGE 323681	42.26 0.50 0.00	36.05 0.36 0.00	32.78 0.26 0.00	31.66 0.28 0.00	32.22 0.19 0.00	33.60 0.24 0.00	39.55 0.31 0.00	43.65 0.43 0.00	45.14 0.32 0.00	45.43 0.14 0.00	46.65 -0.09 0.00	46.40 -0.14 0.00	45.67 -0.37 0.00	45.92 -0.42 0.00	44.42 -0.59 0.00	46.84 -0.52 0.00	52.07 -0.36 0.00	60.83 -0.18 0.00	73.97 0.22 0.00	71.01 0.00 0.00	64.70 0.06 0.00	54.10 0.05 0.00	47.41 -0.05 0.00	44.72 0.00 0.00
ONEIDA____115KV_TB4 55905	42.42 0.67 0.00	36.30 0.61 0.00	33.07 0.55 0.00	31.91 0.53 0.00	32.58 0.54 0.00	33.97 0.60 0.00	39.98 0.75 0.00	44.04 0.82 0.00	45.63 0.81 0.00	45.97 0.68 0.00	47.21 0.47 0.00	46.96 0.42 0.00	46.27 0.23 0.00	46.57 0.23 0.00	45.06 0.05 0.00	47.19 0.24 0.40	52.35 0.42 0.50	60.99 0.73 0.75	73.97 1.33 1.11	71.15 1.14 1.01	64.76 1.03 0.90	54.36 0.86 0.55	47.77 0.66 0.34	45.30 0.58 0.00
ONONDAGA_REF_OCCRA 23987	41.25 -0.50 0.00	35.30 -0.39 0.00	32.16 -0.36 0.00	31.03 -0.35 0.00	31.74 -0.29 0.00	33.10 -0.27 0.00	38.85 -0.39 0.00	42.70 -0.52 0.00	44.42 -0.40 0.00	44.88 -0.41 0.00	46.18 -0.56 0.00	45.89 -0.65 0.00	45.40 -0.64 0.00	45.69 -0.65 0.00	44.38 -0.63 0.00	46.24 -0.57 0.55	51.12 -0.63 0.69	59.99 -0.61 0.41	73.82 -0.52 -0.59	70.46 -0.50 0.06	62.92 -0.45 1.26	52.95 -0.32 0.77	46.55 -0.43 0.48	44.27 -0.54 -0.09
ONONDAGA____COGEN 23986	41.29 -0.46 0.00	35.33 -0.36 0.00	32.19 -0.33 0.00	31.07 -0.31 0.00	31.77 -0.26 0.00	33.13 -0.23 0.00	38.88 -0.35 0.00	42.66 -0.56 0.00	44.42 -0.40 0.00	44.88 -0.41 0.00	46.18 -0.56 0.00	45.85 -0.70 0.00	45.35 -0.69 0.00	45.64 -0.70 0.00	44.34 -0.68 0.00	46.74 -0.62 0.00	51.75 -0.68 0.00	61.48 -0.61 -1.08	76.77 -0.59 -3.61	72.80 -0.50 -2.28	64.18 -0.45 0.00	53.73 -0.32 0.00	47.03 -0.43 0.00	44.38 -0.49 -0.15
ONTARIO____LFGE 23819	54.06 -0.96 -13.27	47.81 -0.32 -12.44	43.79 -0.06 -11.34	42.11 -0.16 -10.89	43.16 -0.03 -11.16	45.13 0.13 -11.63	51.25 -0.43 -12.45	56.67 -0.91 -14.36	59.75 -0.67 -15.60	60.19 -0.81 -15.71	61.45 -1.22 -15.92	61.27 -1.35 -16.08	60.60 -1.34 -15.90	60.95 -1.35 -15.96	59.32 -1.21 -15.52	59.95 -1.18 -13.78	68.26 -1.20 -17.02	85.48 -2.19 -26.67	151.34 -2.21 -79.80	121.16 -1.91 -52.06	67.86 -1.68 -4.91	57.37 -1.30 -4.62	50.53 -1.47 -4.54	51.28 -1.61 -8.17
ORANGEVILLE_WT_PWR 323706	1.00 -3.97 36.79	0.73 -3.28 31.67	0.66 -2.99 28.87	0.61 -3.04 27.73	0.63 -3.04 28.36	0.69 -3.07 29.61	0.73 -3.84 34.66	0.97 -4.36 37.89	1.00 -4.12 39.70	1.00 -4.30 39.99	1.00 -4.67 41.07	1.00 -4.75 40.80	1.00 -4.70 40.34	1.00 -4.73 40.61	1.09 -4.41 39.51	5.21 -4.74 37.41	1.27 -5.29 45.87	10.00 -6.47 44.54	6.29 -7.45 60.01	10.32 -6.82 53.87	15.39 -6.14 43.10	13.45 -4.92 35.68	11.58 -4.60 31.27	10.14 -4.51 30.07
ORANGEVILLE____ESR 323794	1.00 -3.97 36.79	0.73 -3.28 31.67	0.66 -2.99 28.87	0.61 -3.04 27.73	0.63 -3.04 28.36	0.69 -3.07 29.61	0.73 -3.84 34.66	0.97 -4.36 37.89	1.00 -4.12 39.70	1.00 -4.30 39.99	1.00 -4.67 41.07	1.00 -4.75 40.80	1.00 -4.70 40.34	1.00 -4.73 40.61	1.09 -4.41 39.51	5.21 -4.74 37.41	1.27 -5.29 45.87	10.00 -6.47 44.54	6.29 -7.45 60.01	10.32 -6.82 53.87	15.39 -6.14 43.10	13.45 -4.92 35.68	11.58 -4.60 31.27	10.14 -4.51 30.07

OSWEGATCHIE___HYD 24044	41.63 -0.12 0.00	35.37 -0.32 0.00	32.16 -0.36 0.00	31.03 -0.34 0.00	31.55 -0.48 0.00	32.93 -0.43 0.00	38.81 -0.43 0.00	42.75 -0.47 0.00	44.15 -0.67 0.00	44.34 -0.95 0.00	45.48 -1.26 0.00	45.29 -1.25 0.00	44.56 -1.48 0.00	44.58 -1.76 0.00	43.03 -1.98 0.00	45.18 -2.18 0.00	50.24 -2.20 0.00	58.51 -2.50 0.00	71.10 -2.65 0.00	68.32 -2.70 0.00	62.37 -2.26 0.00	52.16 -1.89 0.00	45.89 -1.56 0.00	43.42 -1.30 0.00
OSWEGO___5 23606	40.63 -1.13 0.00	34.80 -0.89 0.00	31.71 -0.81 0.00	30.60 -0.78 0.00	31.26 -0.77 0.00	32.60 -0.77 0.00	38.18 -1.06 0.00	41.97 -1.25 0.00	43.57 -1.25 0.00	43.98 -1.31 0.00	45.30 -1.45 0.00	45.05 -1.49 0.00	44.56 -1.48 0.00	44.85 -1.48 0.00	43.61 -1.40 0.00	51.49 -1.42 -5.55	57.85 -1.57 -6.98	69.48 -1.77 -10.24	86.75 -2.06 -15.06	82.81 -1.91 -13.71	75.22 -1.74 -12.32	60.18 -1.41 -7.54	50.80 -1.33 -4.68	43.38 -1.34 0.00
OSWEGO___6 23613	40.63 -1.13 0.00	34.80 -0.89 0.00	31.71 -0.81 0.00	30.60 -0.78 0.00	31.26 -0.77 0.00	32.60 -0.77 0.00	38.18 -1.06 0.00	41.97 -1.25 0.00	43.57 -1.25 0.00	43.98 -1.31 0.00	45.30 -1.45 0.00	45.05 -1.49 0.00	44.56 -1.48 0.00	44.85 -1.48 0.00	43.61 -1.40 0.00	51.49 -1.42 -5.55	57.85 -1.57 -6.98	69.48 -1.77 -10.24	86.75 -2.06 -15.06	82.81 -1.91 -13.71	75.22 -1.74 -12.32	60.18 -1.41 -7.54	50.80 -1.33 -4.68	43.38 -1.34 0.00
OUTOKUMPU-AB___DRP 24206	23.45 -5.14 13.17	21.46 -4.43 9.81	19.58 -4.00 8.94	19.03 -3.77 8.58	19.49 -3.84 8.70	20.23 -3.97 9.17	21.83 -4.87 12.55	25.37 -5.36 12.49	27.47 -5.16 12.20	27.84 -5.16 12.29	28.03 -5.75 12.96	28.37 -5.77 12.40	27.98 -5.80 12.26	28.12 -5.75 12.48	27.07 -5.81 12.13	28.87 -5.64 12.85	30.39 -6.40 15.65	33.42 -7.81 19.78	37.79 -9.15 26.82	39.67 -8.73 22.61	39.73 -7.89 17.02	35.27 -6.32 12.46	31.41 -5.60 10.44	29.14 -5.46 10.12
OXBOW___BTM 323836	22.92 -5.39 13.45	21.30 -4.57 9.83	19.46 -4.10 8.96	18.92 -3.86 8.60	19.20 -4.04 8.80	20.04 -4.14 9.19	21.22 -5.30 12.72	24.95 -5.66 12.61	27.04 -5.52 12.27	27.41 -5.53 12.36	27.61 -6.08 13.06	27.84 -6.10 12.61	27.45 -6.12 12.47	27.72 -6.07 12.55	27.49 -5.31 12.21	28.65 -5.73 12.97	29.72 -7.03 15.69	33.98 -7.99 19.04	37.75 -9.59 26.42	39.92 -8.88 22.21	39.78 -8.08 16.77	35.44 -6.43 12.18	31.38 -5.89 10.19	29.00 -5.81 9.91
OXBOW___ 24026	23.36 -5.43 12.96	21.57 -4.64 9.48	19.69 -4.19 8.64	19.13 -3.95 8.29	19.60 -4.04 8.40	20.30 -4.20 8.86	21.75 -5.14 12.35	25.35 -5.66 12.21	27.51 -5.47 11.85	27.83 -5.53 11.93	28.05 -6.08 12.62	28.41 -6.10 12.04	28.01 -6.12 11.90	28.15 -6.07 12.12	27.10 -6.12 11.79	28.80 -6.01 12.54	30.40 -6.82 15.22	33.14 -8.30 19.57	37.60 -9.74 26.42	39.36 -9.44 22.21	39.46 -8.40 16.77	35.12 -6.76 12.18	31.28 -5.98 10.19	29.00 -5.81 9.91
OXY_CHEM_DSASP 323612	23.29 -5.72 12.75	21.66 -4.89 9.14	19.77 -4.42 8.33	19.24 -4.14 8.00	19.67 -4.26 8.10	20.39 -4.44 8.54	21.67 -5.41 12.15	25.30 -6.01 11.92	27.47 -5.87 11.48	27.79 -5.93 11.56	28.03 -6.45 12.27	28.42 -6.47 11.66	28.02 -6.49 11.53	28.11 -6.49 11.75	27.06 -6.53 11.42	28.64 -6.49 12.23	30.27 -7.39 14.77	32.80 -8.85 19.36	37.19 -10.55 26.01	38.91 -10.30 21.81	39.07 -9.05 16.52	34.87 -7.30 11.88	31.08 -6.45 9.92	28.82 -6.22 9.68
OZONE_PARK_ESR 323760	44.45 2.76 0.06	38.19 2.50 0.00	34.76 2.24 0.00	33.61 2.23 0.00	34.37 2.34 0.00	35.67 2.30 0.00	42.08 2.90 0.06	46.93 3.72 0.01	49.04 4.21 0.00	49.82 4.53 0.00	51.90 5.14 -0.01	53.42 5.35 -1.52	59.17 5.43 -7.69	62.14 5.56 -10.24	64.50 5.63 -13.86	82.50 6.01 -29.13	95.80 6.71 -36.65	98.77 7.99 -29.77	98.94 9.59 -15.60	91.92 9.16 -11.74	81.42 7.69 -9.10	62.43 6.00 -2.38	57.99 5.12 -5.41	49.92 4.92 -0.28
PACKARD_115_KV_ADAMS_187_REV_LBMP_A 345013	23.29 -5.72 12.75	21.66 -4.89 9.14	19.77 -4.42 8.33	19.24 -4.14 8.00	19.67 -4.26 8.10	20.39 -4.44 8.54	21.67 -5.41 12.15	25.30 -6.01 11.92	27.47 -5.87 11.48	27.79 -5.93 11.56	28.03 -6.45 12.27	28.42 -6.47 11.66	28.02 -6.49 11.53	28.11 -6.49 11.75	27.06 -6.53 11.42	28.64 -6.49 12.23	30.27 -7.39 14.77	32.80 -8.85 19.36	37.19 -10.55 26.01	38.91 -10.30 21.81	39.07 -9.05 16.52	34.87 -7.30 11.88	31.08 -6.45 9.92	28.82 -6.22 9.68
PACKARD___115KV_DUPONT_184 80571	22.79 -5.72 13.24	21.38 -4.82 9.49	19.54 -4.32 8.66	18.99 -4.08 8.31	19.30 -4.23 8.50	20.12 -4.37 8.88	21.10 -5.61 12.53	24.89 -6.01 12.33	27.00 -5.92 11.91	27.36 -5.93 12.00	27.59 -6.45 12.71	27.83 -6.47 12.24	27.44 -6.49 12.11	27.67 -6.49 12.19	27.44 -5.72 11.85	28.49 -6.20 12.66	29.52 -7.66 15.26	33.59 -8.60 18.82	37.34 -10.40 26.01	39.55 -9.66 21.81	39.33 -8.79 16.52	35.20 -6.97 11.88	31.17 -6.36 9.92	28.82 -6.21 9.68
PARKCHTR_138_KV_TB2S_REV_LBMP_J 345007	44.15 2.46 0.06	37.87 2.18 0.00	34.70 2.18 0.00	33.54 2.17 0.00	34.27 2.24 0.00	35.30 1.94 0.00	41.61 2.43 0.06	46.41 3.20 0.01	48.46 3.63 0.00	49.28 3.99 0.00	51.34 4.58 -0.01	51.38 4.75 -0.09	58.56 4.74 -7.78	52.44 4.82 -1.28	63.83 4.86 -13.96	81.84 5.11 -29.37	70.89 5.66 -12.79	97.58 6.77 -29.79	97.50 8.11 -15.64	90.55 7.74 -11.79	80.18 6.40 -9.14	61.57 5.13 -2.38	57.31 4.41 -5.45	49.38 4.38 -0.28
PARKCHTR_13_KV_CPCTY_REV_LBMP_J 345019	44.86 3.17 0.06	38.47 2.78 0.00	35.28 2.76 0.00	34.08 2.70 0.00	34.85 2.82 0.00	35.87 2.50 0.00	42.32 3.14 0.06	47.19 3.98 0.01	49.26 4.44 0.00	50.09 4.80 0.00	52.13 5.38 -0.01	52.13 5.49 -0.09	59.35 5.52 -7.78	53.27 5.65 -1.28	64.64 5.67 -13.96	82.79 6.06 -29.37	71.94 6.71 -12.79	98.86 8.05 -29.79	99.05 9.66 -15.64	92.11 9.30 -11.79	81.53 7.76 -9.14	62.65 6.22 -2.38	58.26 5.36 -5.45	50.23 5.23 -0.28
PATROON___115KV_TB1 80586	42.84 1.09 0.00	36.80 1.11 0.00	33.56 1.04 0.00	32.38 1.00 0.00	33.06 1.02 0.00	34.40 1.03 0.00	40.41 1.18 0.00	44.81 1.51 -0.07	46.31 1.48 0.00	46.83 1.54 0.00	48.33 1.59 0.00	47.85 1.30 0.00	47.33 1.29 0.00	48.19 1.34 -0.51	48.63 1.17 -2.45	51.41 1.14 -2.92	57.94 1.36 -4.14	65.73 2.01 -2.71	76.19 2.43 0.00	77.18 2.49 -3.68	83.27 2.26 -16.37	63.45 1.89 -7.51	55.78 1.66 -6.66	47.13 1.48 -0.93
PATTRSNVILLE___SOLAR 323815	43.38 1.63 0.00	37.19 1.50 0.00	33.88 1.37 0.00	32.73 1.35 0.00	33.41 1.38 0.00	34.77 1.40 0.00	40.96 1.72 0.00	45.27 1.95 -0.10	46.62 1.79 0.00	46.92 1.63 0.00	48.29 1.54 0.00	47.89 1.35 0.00	47.33 1.29 0.00	47.93 1.25 -0.34	47.71 1.04 -1.66	50.43 1.09 -1.98	56.19 1.36 -2.39	64.79 2.13 -1.64	76.78 3.03 0.00	76.58 3.34 -2.23	91.17 3.23 -23.31	67.39 2.65 -10.69	59.22 2.28 -9.49	48.19 2.15 -1.33
PAVMNTRD_115_KV_BK1_REV_LBMP_A 345030	23.62 -3.63 14.50	21.54 -3.14 11.01	19.63 -2.86 10.03	19.05 -2.70 9.63	19.49 -2.75 9.79	20.24 -2.84 10.29	21.97 -3.49 13.77	25.54 -3.80 13.88	27.52 -3.63 13.68	27.94 -3.58 13.78	28.24 -4.02 14.48	28.59 -4.00 13.95	28.24 -4.01 13.80	28.41 -3.94 13.99	27.40 -4.01 13.61	29.47 -3.79 14.09	31.08 -4.25 17.10	34.96 -5.37 20.68	40.19 -6.05 27.52	41.81 -5.68 23.52	41.18 -5.24 18.22	36.24 -4.22 13.59	32.17 -3.80 11.49	29.74 -3.80 11.18

PAWLING_115_KV_BK3_REV_LBMP_H 345028	44.24 2.55 0.06	37.98 2.28 0.00	34.60 2.08 0.00	33.42 2.04 0.00	34.21 2.18 0.00	35.54 2.17 0.00	41.92 2.75 0.06	46.59 3.37 0.00	48.55 3.72 0.00	49.28 3.99 0.00	51.27 4.53 0.01	51.15 4.61 0.00	50.64 4.60 0.00	52.10 4.73 -1.04	55.02 5.00 -5.01	59.65 5.21 -7.08	69.01 5.93 -10.65	95.29 7.20 -27.08	94.74 8.70 -12.28	86.41 8.31 -7.09	76.85 6.92 -5.30	61.74 5.24 -2.45	54.14 4.51 -2.17	49.25 4.25 -0.28
PEEKSKILL____ 23653	43.73 2.05 0.06	37.62 1.93 0.00	34.24 1.72 0.00	33.10 1.72 0.00	33.82 1.79 0.00	35.13 1.77 0.00	41.41 2.24 0.06	46.07 2.85 0.01	48.01 3.18 0.00	48.78 3.49 0.00	50.75 4.02 0.01	50.73 4.19 0.00	50.32 4.28 0.00	51.79 4.40 -1.05	54.52 4.46 -5.06	60.29 4.78 -8.16	71.60 5.29 -13.87	94.32 6.40 -26.91	93.52 7.60 -12.17	85.31 7.17 -7.12	75.63 5.94 -5.06	60.87 4.48 -2.34	53.52 3.99 -2.08	48.83 3.85 -0.27
PGE MADISON__WINDPWR 24146	45.65 1.75 -2.14	39.58 1.57 -2.32	36.00 1.37 -2.11	34.69 1.29 -2.03	35.25 1.22 -2.01	36.84 1.30 -2.17	42.42 1.10 -2.08	47.10 1.30 -2.59	48.96 1.21 -2.92	49.00 0.77 -2.94	49.92 0.23 -2.94	49.66 0.23 -2.89	48.76 -0.14 -2.86	49.15 -0.23 -3.04	47.69 -0.50 -3.18	49.89 -0.05 -2.58	56.05 0.37 -3.25	66.00 1.16 -3.83	83.43 2.58 -7.10	78.88 2.20 -5.67	70.87 2.13 -4.10	58.91 1.89 -2.97	51.57 1.33 -2.79	48.18 1.21 -2.25
PIERCEFIELD__HYD 23852	41.42 -0.33 0.00	35.19 -0.50 0.00	32.03 -0.49 0.00	30.91 -0.47 0.00	31.45 -0.58 0.00	32.83 -0.53 0.00	38.69 -0.55 0.00	42.57 -0.65 0.00	43.97 -0.85 0.00	44.29 -1.00 0.00	45.62 -1.12 0.00	45.43 -1.12 0.00	44.89 -1.15 0.00	44.76 -1.58 0.00	43.30 -1.71 0.00	45.27 -2.08 0.00	50.18 -2.25 0.00	58.14 -2.87 0.00	70.29 -3.47 0.00	67.68 -3.34 0.00	61.72 -2.91 0.00	51.62 -2.43 0.00	45.65 -1.80 0.00	43.33 -1.39 0.00
PINELAWN_CC_I 323563	44.90 3.22 0.06	38.55 2.86 0.00	34.89 2.37 0.00	33.67 2.29 0.00	34.43 2.40 0.00	35.84 2.47 0.00	42.32 3.14 0.06	48.59 4.24 -1.14	49.50 4.66 -0.02	51.71 4.98 -1.43	52.39 5.28 -0.37	53.14 5.40 -1.20	57.98 5.48 -6.46	55.91 5.56 -4.01	55.58 5.49 -5.08	60.74 5.59 -7.80	70.84 5.72 -12.69	95.42 7.07 -27.33	94.56 8.40 -12.40	85.55 7.39 -7.15	75.81 6.07 -5.10	61.49 5.08 -2.37	53.87 4.32 -2.10	50.17 5.19 -0.27
PJM_GEN_HTP_PROXY 323702	44.03 2.34 0.06	37.83 2.14 0.00	34.47 1.95 0.00	33.33 1.95 0.00	34.08 2.05 0.00	35.34 1.97 0.00	41.73 2.55 0.06	46.50 3.28 0.01	48.59 3.77 0.00	49.41 4.12 0.00	51.43 4.67 -0.01	52.97 4.93 -1.49	58.62 5.02 -7.56	61.52 5.10 -10.08	63.85 5.13 -13.71	81.60 5.49 -28.76	94.75 6.08 -36.23	97.99 7.26 -29.72	98.00 8.70 -15.55	90.84 8.16 -11.66	80.51 6.85 -9.03	61.67 5.24 -2.38	57.40 4.60 -5.35	49.42 4.43 -0.28
PJM_GEN_KEystone 24065	35.67 -1.04 5.04	31.86 -0.71 3.12	27.95 -0.72 3.85	26.71 -0.63 4.04	26.79 -0.64 4.60	28.88 -0.70 3.78	32.37 -0.86 6.00	38.37 -0.74 4.12	34.97 -0.49 9.36	37.12 -0.36 7.81	42.31 -0.23 4.21	42.58 -0.05 3.92	42.60 0.00 3.44	43.64 0.09 2.79	44.90 0.40 0.51	49.77 0.47 -1.94	57.74 0.37 -4.94	69.83 0.49 -8.33	74.05 0.66 0.37	69.55 0.64 2.10	62.04 0.26 2.85	51.17 0.00 2.88	45.25 -0.14 2.06	41.53 -0.13 3.06
PJM_GEN_NEPTUNE_PROXY 323594	44.28 2.59 0.06	38.05 2.36 0.00	34.47 1.95 0.00	33.29 1.91 0.00	34.02 1.99 0.00	35.40 2.04 0.00	41.81 2.63 0.06	47.94 3.59 -1.14	48.83 3.99 -0.02	51.03 4.30 -1.43	51.78 4.67 -0.37	52.54 4.80 -1.20	57.38 4.88 -6.46	55.31 4.96 -4.01	54.95 4.86 -5.07	60.07 4.92 -7.79	70.21 5.08 -12.69	94.68 6.34 -27.33	93.67 7.53 -12.39	84.77 6.61 -7.15	75.10 5.36 -5.10	60.79 4.38 -2.37	53.30 3.75 -2.10	49.50 4.51 -0.27
PJM_GEN_VFT_PROXY 323633	43.90 2.21 0.06	37.76 2.07 0.00	34.40 1.89 0.00	33.23 1.85 0.00	34.02 1.99 0.00	35.27 1.90 0.00	41.61 2.43 0.06	46.37 3.15 0.01	48.46 3.63 0.00	49.28 3.99 0.00	51.29 4.53 -0.01	52.86 4.80 -1.52	58.61 4.88 -7.69	61.59 5.01 -10.24	63.87 5.00 -13.86	81.84 5.35 -29.13	95.01 5.92 -36.65	97.85 7.07 -29.77	97.83 8.48 -15.60	90.71 7.95 -11.74	80.39 6.66 -9.10	61.57 5.14 -2.38	57.37 4.51 -5.41	49.33 4.34 -0.28
PLATSBURG_115KV_PMLD1 355749	42.00 0.25 0.00	35.69 0.00 0.00	32.45 -0.07 0.00	31.29 -0.09 0.00	31.87 -0.16 0.00	33.27 -0.10 0.00	38.88 -0.35 0.00	42.70 -0.52 0.00	44.15 -0.67 0.00	44.48 -0.82 0.00	45.90 -0.84 0.00	45.85 -0.70 0.00	45.40 -0.64 0.00	45.64 -0.70 0.00	44.38 -0.63 0.00	46.60 -0.76 0.00	51.49 -0.94 0.00	59.67 -1.34 0.00	71.76 -1.99 0.00	69.17 -1.85 0.00	63.02 -1.62 0.00	52.64 -1.41 0.00	46.36 -1.09 0.00	43.78 -0.94 0.00
PLEASANTVLY__LBMP 24000	43.61 1.92 0.06	37.48 1.78 0.00	34.14 1.63 0.00	32.98 1.60 0.00	33.73 1.70 0.00	35.04 1.67 0.00	41.26 2.08 0.06	45.85 2.64 0.00	47.74 2.91 0.00	48.42 3.13 0.00	50.33 3.60 0.01	50.27 3.72 0.00	49.86 3.82 0.00	51.30 3.89 -1.07	54.08 3.92 -5.16	58.53 4.17 -7.01	67.08 4.61 -10.03	95.79 5.49 -29.29	93.84 6.64 -13.45	84.53 6.25 -7.26	75.21 5.24 -5.34	60.57 4.05 -2.47	53.16 3.51 -2.19	48.40 3.40 -0.28
PLSNTVLE_13_KV_13.8KVDIST 80602	43.94 2.25 0.06	37.76 2.07 0.00	34.37 1.85 0.00	33.23 1.85 0.00	33.95 1.92 0.00	35.27 1.90 0.00	41.57 2.39 0.06	46.24 3.03 0.01	48.23 3.41 0.00	49.01 3.71 0.00	50.99 4.25 0.01	51.01 4.47 0.00	50.60 4.56 0.00	52.07 4.68 -1.05	54.82 4.73 -5.09	59.88 5.07 -7.46	69.67 5.61 -11.62	95.32 6.71 -27.60	94.34 8.04 -12.55	85.78 7.60 -7.16	75.98 6.20 -5.15	61.24 4.81 -2.38	53.69 4.13 -2.11	48.97 3.98 -0.27
PLSNTVLE_13_KV_13KVDISA_REV_LBMP_I 345020	43.94 2.25 0.06	37.76 2.07 0.00	34.37 1.85 0.00	33.23 1.85 0.00	33.95 1.92 0.00	35.27 1.90 0.00	41.57 2.39 0.06	46.24 3.03 0.01	48.23 3.41 0.00	49.01 3.71 0.00	50.99 4.25 0.01	51.01 4.47 0.00	50.60 4.56 0.00	52.07 4.68 -1.05	54.82 4.73 -5.09	59.88 5.07 -7.46	69.67 5.61 -11.62	95.32 6.71 -27.60	94.34 8.04 -12.55	85.78 7.60 -7.16	75.98 6.20 -5.15	61.24 4.81 -2.38	53.69 4.13 -2.11	48.97 3.98 -0.27
PLSTVYCH_69_KV_RQ-3_RG2_REV_LBMP_G 345023	43.99 2.30 0.06	37.76 2.07 0.00	34.40 1.89 0.00	33.26 1.88 0.00	33.95 1.92 0.00	35.27 1.90 0.00	41.53 2.35 0.06	46.20 2.98 0.00	48.01 3.18 0.00	48.82 3.53 0.00	50.75 4.02 0.01	50.59 4.05 0.00	50.18 4.14 0.00	51.58 4.22 -1.02	54.32 4.37 -4.95	58.99 4.78 -6.85	67.92 5.09 -10.40	92.69 6.22 -25.46	92.55 7.52 -11.28	85.44 7.10 -7.32	76.72 6.14 -5.95	61.50 4.70 -2.75	53.93 4.03 -2.44	48.84 3.80 -0.32
POLETTI____ 23519	44.11 2.42 0.06	37.87 2.18 0.00	34.50 1.98 0.00	33.39 2.01 0.00	34.11 2.08 0.00	35.40 2.04 0.00	41.77 2.59 0.06	46.50 3.28 0.01	48.59 3.77 0.00	49.37 4.08 0.00	51.39 4.63 -0.01	52.92 4.84 -1.53	58.72 4.93 -7.75	61.70 5.05 -10.31	64.02 5.09 -13.93	82.05 5.40 -29.29	95.25 5.98 -36.83	97.87 7.08 -29.79	97.93 8.56 -15.63	90.96 8.17 -11.78	80.55 6.79 -9.13	61.73 5.30 -2.38	57.44 4.56 -5.43	49.42 4.43 -0.28

POMONA___ESR 323819	43.69 2.00 0.07	37.55 1.85 0.00	34.18 1.66 0.00	33.04 1.66 0.00	33.76 1.73 0.00	35.03 1.67 0.00	41.33 2.16 0.06	45.94 2.72 0.01	47.92 3.09 0.00	48.64 3.35 0.00	50.61 3.88 0.01	50.59 4.05 0.00	50.23 4.19 0.00	51.69 4.31 -1.04	54.39 4.36 -5.02	61.48 4.74 -9.39	75.50 5.24 -17.82	93.35 6.34 -26.00	92.96 7.53 -11.68	85.12 7.03 -7.07	75.46 5.88 -4.95	60.77 4.43 -2.29	53.38 3.89 -2.03	48.74 3.76 -0.26
PORT_JEFF_3 23555	45.07 3.38 0.06	38.72 3.03 0.00	34.99 2.47 0.00	33.80 2.42 0.00	34.53 2.50 0.00	35.94 2.57 0.00	42.39 3.22 0.06	48.72 4.36 -1.14	49.73 4.89 -0.02	51.89 5.16 -1.43	52.53 5.42 -0.37	53.19 5.44 -1.20	57.98 5.48 -6.46	55.95 5.60 -4.01	55.58 5.49 -5.08	60.50 5.35 -7.80	70.26 5.14 -12.69	94.50 6.16 -27.33	93.38 7.23 -12.40	84.34 6.18 -7.15	74.84 5.10 -5.10	61.01 4.59 -2.37	53.63 4.08 -2.10	50.17 5.19 -0.27
PORT_JEFF_4 23616	45.07 3.38 0.06	38.72 3.03 0.00	34.99 2.47 0.00	33.80 2.42 0.00	34.53 2.50 0.00	35.94 2.57 0.00	42.39 3.22 0.06	48.72 4.36 -1.14	49.73 4.89 -0.02	51.89 5.16 -1.43	52.53 5.42 -0.37	53.19 5.44 -1.20	57.98 5.48 -6.46	55.95 5.60 -4.01	55.58 5.49 -5.08	60.50 5.35 -7.80	70.26 5.14 -12.69	94.50 6.16 -27.33	93.38 7.23 -12.40	84.34 6.18 -7.15	74.84 5.10 -5.10	61.01 4.59 -2.37	53.63 4.08 -2.10	50.17 5.19 -0.27
PORT_JEFF_IC 23713	45.57 3.88 0.06	39.15 3.46 0.00	35.38 2.86 0.00	34.14 2.76 0.00	34.88 2.85 0.00	36.37 3.00 0.00	42.83 3.65 0.06	49.02 4.67 -1.14	49.86 5.02 -0.02	51.98 5.25 -1.43	52.67 5.56 -0.37	53.28 5.54 -1.20	58.12 5.62 -6.46	56.09 5.75 -4.01	55.72 5.63 -5.08	60.64 5.49 -7.80	70.52 5.40 -12.69	94.50 6.16 -27.33	93.45 7.30 -12.40	84.55 6.39 -7.15	75.23 5.49 -5.10	61.33 4.92 -2.37	53.82 4.27 -2.10	50.35 5.37 -0.27
PPL PILGRIM_ST_GT1 24216	45.15 3.46 0.06	38.79 3.10 0.00	35.06 2.54 0.00	33.86 2.48 0.00	34.59 2.56 0.00	36.04 2.67 0.00	42.55 3.37 0.06	48.85 4.49 -1.14	49.82 4.98 -0.02	52.02 5.30 -1.43	52.62 5.51 -0.37	53.37 5.63 -1.20	58.21 5.71 -6.46	56.09 5.74 -4.01	55.70 5.58 -5.11	60.86 5.68 -7.83	70.74 5.61 -12.69	95.05 6.71 -27.33	94.12 7.97 -12.40	85.05 6.89 -7.15	75.56 5.82 -5.10	61.55 5.14 -2.37	53.91 4.36 -2.10	50.40 5.41 -0.27
PPL PILGRIM_ST_GT2 24217	45.15 3.46 0.06	38.79 3.10 0.00	35.06 2.54 0.00	33.86 2.48 0.00	34.59 2.56 0.00	36.04 2.67 0.00	42.55 3.37 0.06	48.85 4.49 -1.14	49.82 4.98 -0.02	52.02 5.30 -1.43	52.62 5.51 -0.37	53.37 5.63 -1.20	58.21 5.71 -6.46	56.09 5.74 -4.01	55.70 5.58 -5.11	60.86 5.68 -7.83	70.74 5.61 -12.69	95.05 6.71 -27.33	94.12 7.97 -12.40	85.05 6.89 -7.15	75.56 5.82 -5.10	61.55 5.14 -2.37	53.91 4.36 -2.10	50.40 5.41 -0.27
PPL_SHRM_GT3 24213	45.28 3.59 0.06	38.90 3.21 0.00	35.15 2.63 0.00	33.92 2.54 0.00	34.66 2.63 0.00	36.07 2.70 0.00	42.55 3.37 0.06	48.94 4.58 -1.14	49.95 5.11 -0.02	52.11 5.39 -1.43	52.76 5.65 -0.37	53.05 5.30 -1.20	57.89 5.38 -6.46	55.91 5.56 -4.01	55.53 5.44 -5.08	60.31 5.16 -7.80	70.16 5.03 -12.69	94.62 6.29 -27.33	93.59 7.45 -12.40	84.48 6.32 -7.15	74.71 4.98 -5.10	60.74 4.33 -2.37	53.58 4.03 -2.10	50.31 5.32 -0.27
PPL_SHRM_GT4 24214	45.28 3.59 0.06	38.90 3.21 0.00	35.15 2.63 0.00	33.92 2.54 0.00	34.66 2.63 0.00	36.07 2.70 0.00	42.55 3.37 0.06	48.94 4.58 -1.14	49.95 5.11 -0.02	52.11 5.39 -1.43	52.76 5.65 -0.37	53.05 5.30 -1.20	57.89 5.38 -6.46	55.91 5.56 -4.01	55.53 5.44 -5.08	60.31 5.16 -7.80	70.16 5.03 -12.69	94.62 6.29 -27.33	93.59 7.45 -12.40	84.48 6.32 -7.15	74.71 4.98 -5.10	60.74 4.33 -2.37	53.58 4.03 -2.10	50.31 5.32 -0.27
PROJECT___ORANGE 1 24174	41.08 -0.67 0.00	35.16 -0.54 0.00	32.03 -0.49 0.00	30.91 -0.47 0.00	31.61 -0.42 0.00	32.97 -0.40 0.00	38.69 -0.55 0.00	42.49 -0.73 0.00	44.24 -0.58 0.00	44.70 -0.59 0.00	46.00 -0.75 0.00	45.71 -0.84 0.00	45.21 -0.83 0.00	45.50 -0.83 0.00	44.20 -0.81 0.00	45.82 -0.76 0.77	50.62 -0.84 0.97	58.64 -0.92 1.45	70.66 -0.96 2.14	68.22 -0.85 1.95	62.11 -0.78 1.75	52.38 -0.59 1.07	46.13 -0.66 0.66	43.96 -0.76 0.00
PROJECT___ORANGE 2 24166	41.08 -0.67 0.00	35.16 -0.54 0.00	32.03 -0.49 0.00	30.91 -0.47 0.00	31.61 -0.42 0.00	32.97 -0.40 0.00	38.69 -0.55 0.00	42.49 -0.73 0.00	44.24 -0.58 0.00	44.70 -0.59 0.00	46.00 -0.75 0.00	45.71 -0.84 0.00	45.21 -0.83 0.00	45.50 -0.83 0.00	44.20 -0.81 0.00	45.82 -0.76 0.77	50.62 -0.84 0.97	58.64 -0.92 1.45	70.66 -0.96 2.14	68.22 -0.85 1.95	62.11 -0.78 1.75	52.38 -0.59 1.07	46.13 -0.66 0.66	43.96 -0.76 0.00
PUCKETT___SOLAR 323809	43.94 0.50 -1.69	38.13 0.54 -1.91	34.71 0.46 -1.74	33.49 0.44 -1.67	34.22 0.48 -1.70	35.68 0.53 -1.78	41.17 0.35 -1.58	45.67 0.39 -2.06	47.66 0.45 -2.39	48.02 0.32 -2.41	49.27 0.14 -2.38	49.04 0.05 -2.45	48.42 -0.05 -2.43	48.75 -0.09 -2.50	47.61 -0.04 -2.65	49.54 0.09 -2.09	55.20 0.16 -2.61	63.81 0.55 -2.25	80.19 1.18 -5.26	76.34 1.13 -4.19	68.80 1.10 -3.07	57.16 0.92 -2.20	50.18 0.62 -2.11	46.82 0.49 -1.61
PYRITES___HYD 24023	42.09 0.33 0.00	35.76 0.07 0.00	32.55 0.03 0.00	31.41 0.03 0.00	31.97 -0.06 0.00	33.40 0.03 0.00	39.36 0.12 0.00	43.26 0.04 0.00	44.56 -0.27 0.00	44.79 -0.50 0.00	46.04 -0.70 0.00	45.85 -0.70 0.00	45.26 -0.78 0.00	45.23 -1.11 0.00	43.84 -1.17 0.00	45.89 -1.47 0.00	50.91 -1.52 0.00	59.00 -2.01 0.00	71.54 -2.21 0.00	68.88 -2.13 0.00	62.95 -1.68 0.00	52.64 -1.41 0.00	46.50 -0.95 0.00	44.09 -0.63 0.00
QUAKERRD_115KV_BK1 80622	38.72 -3.34 -0.31	32.35 -2.86 0.48	29.50 -2.60 0.42	28.51 -2.48 0.39	29.56 -2.47 0.00	30.40 -2.54 0.44	36.00 -3.06 0.17	39.36 -3.41 0.45	40.98 -3.18 0.67	41.40 -3.22 0.67	42.51 -3.60 0.63	42.73 -3.82 0.00	42.26 -3.78 0.00	41.81 -3.85 0.68	40.53 -3.83 0.65	41.10 -3.84 2.42	44.85 -4.25 3.34	45.70 -5.19 10.13	48.66 -5.97 19.12	51.87 -5.61 13.53	55.55 -5.04 4.04	47.37 -4.11 2.58	42.06 -3.80 1.60	40.51 -3.71 0.50
QUENSBRY_115KV_TB8 356137	44.93 3.17 0.00	38.55 2.86 0.00	35.12 2.60 0.00	33.89 2.51 0.00	34.56 2.53 0.00	35.97 2.60 0.00	42.46 3.22 0.00	47.08 3.76 -0.10	48.55 3.72 0.00	49.19 3.90 0.00	50.86 4.11 0.00	49.80 3.26 0.00	48.99 2.95 0.00	49.63 2.83 -0.47	49.57 2.30 -2.26	51.10 1.04 -2.70	57.28 1.63 -3.22	65.97 2.75 -2.21	77.81 4.06 0.00	78.78 4.76 -3.00	91.68 4.78 -22.26	68.10 3.84 -10.21	59.79 3.27 -9.06	50.15 4.16 -1.27
RAMAPO___LBMP 323565	43.57 1.88 0.07	37.44 1.75 0.00	34.08 1.56 0.00	32.95 1.57 0.00	33.66 1.63 0.00	35.00 1.63 0.00	41.21 2.04 0.06	45.81 2.59 0.01	47.69 2.87 0.00	48.46 3.17 0.00	50.38 3.65 0.01	50.41 3.86 0.00	50.00 3.96 0.00	51.45 4.08 -1.03	54.16 4.14 -5.01	60.72 4.45 -8.91	73.77 4.98 -16.35	92.63 5.92 -25.70	92.36 7.08 -11.53	84.74 6.68 -7.05	75.10 5.56 -4.91	60.59 4.27 -2.27	53.13 3.65 -2.02	48.51 3.53 -0.26



RANKINE_____	21.53	19.73	17.98	17.46	17.87	18.55	20.00	23.26	25.17	25.52	25.76	26.07	25.75	25.90	24.91	26.97	28.25	31.87	36.25	38.17	38.12	33.71	29.93	27.66
23646	-4.59	-3.96	-3.61	-3.42	-3.49	-3.60	-4.39	-4.88	-4.71	-4.71	-5.19	-5.21	-5.20	-5.14	-5.22	-5.11	-5.72	-7.08	-8.11	-7.67	-6.98	-5.62	-5.03	-4.92
	15.63	12.00	10.93	10.50	10.67	11.21	14.84	15.07	14.95	15.06	15.79	15.26	15.09	15.30	14.88	15.27	18.47	22.06	29.39	25.17	19.54	14.72	12.49	12.14
RAVENSWOOD_GT2_1	44.11	37.87	34.50	33.39	34.11	35.40	41.77	46.54	48.59	49.37	51.39	52.92	58.75	61.73	64.06	82.13	95.34	97.88	97.95	90.90	80.56	61.73	57.45	49.42
24244	2.42	2.18	1.98	2.01	2.08	2.04	2.59	3.33	3.77	4.08	4.63	4.84	4.93	5.05	5.09	5.40	5.98	7.08	8.56	8.10	6.79	5.30	4.56	4.43
	0.06	0.00	0.00	0.00	0.00	0.00	0.06	0.01	0.00	0.00	-0.01	-1.54	-7.78	-10.35	-13.96	-29.37	-36.92	-29.79	-15.64	-11.79	-9.14	-2.38	-5.45	-0.28
RAVENSWOOD_GT2_2	44.11	37.87	34.50	33.39	34.11	35.40	41.77	46.54	48.59	49.37	51.39	52.92	58.75	61.73	64.06	82.13	95.34	97.88	97.95	90.90	80.56	61.73	57.45	49.42
24245	2.42	2.18	1.98	2.01	2.08	2.04	2.59	3.33	3.77	4.08	4.63	4.84	4.93	5.05	5.09	5.40	5.98	7.08	8.56	8.10	6.79	5.30	4.56	4.43
	0.06	0.00	0.00	0.00	0.00	0.00	0.06	0.01	0.00	0.00	-0.01	-1.54	-7.78	-10.35	-13.96	-29.37	-36.92	-29.79	-15.64	-11.79	-9.14	-2.38	-5.45	-0.28
RAVENSWOOD_GT2_3	44.11	37.90	34.53	33.39	34.14	35.44	41.77	46.54	48.59	49.41	51.43	52.97	58.79	61.73	64.06	82.17	95.39	97.94	98.02	90.97	80.56	61.78	57.50	49.42
24246	2.42	2.21	2.02	2.01	2.11	2.07	2.59	3.33	3.77	4.12	4.67	4.89	4.97	5.05	5.09	5.45	6.03	7.14	8.63	8.17	6.79	5.35	4.60	4.43
	0.06	0.00	0.00	0.00	0.00	0.00	0.06	0.01	0.00	0.00	-0.01	-1.54	-7.78	-10.35	-13.96	-29.37	-36.92	-29.79	-15.64	-11.79	-9.14	-2.38	-5.45	-0.28
RAVENSWOOD_GT2_4	44.11	37.90	34.53	33.39	34.14	35.44	41.77	46.54	48.59	49.41	51.43	52.97	58.79	61.73	64.06	82.17	95.39	97.94	98.02	90.97	80.56	61.78	57.50	49.42
24247	2.42	2.21	2.02	2.01	2.11	2.07	2.59	3.33	3.77	4.12	4.67	4.89	4.97	5.05	5.09	5.45	6.03	7.14	8.63	8.17	6.79	5.35	4.60	4.43
	0.06	0.00	0.00	0.00	0.00	0.00	0.06	0.01	0.00	0.00	-0.01	-1.54	-7.78	-10.35	-13.96	-29.37	-36.92	-29.79	-15.64	-11.79	-9.14	-2.38	-5.45	-0.28
RAVENSWOOD_GT3_1	44.11	37.90	34.50	33.39	34.11	35.40	41.77	46.54	48.59	49.37	51.39	52.92	58.75	61.73	64.06	82.13	95.34	97.94	97.95	90.97	80.56	61.73	57.45	49.42
24248	2.42	2.21	1.98	2.01	2.08	2.04	2.59	3.33	3.77	4.08	4.63	4.84	4.93	5.05	5.09	5.40	5.98	7.14	8.56	8.17	6.79	5.30	4.56	4.43
	0.06	0.00	0.00	0.00	0.00	0.00	0.06	0.01	0.00	0.00	-0.01	-1.54	-7.78	-10.35	-13.96	-29.37	-36.92	-29.79	-15.64	-11.79	-9.14	-2.38	-5.45	-0.28
RAVENSWOOD_GT3_2	44.11	37.90	34.50	33.39	34.11	35.40	41.77	46.54	48.59	49.37	51.39	52.92	58.75	61.73	64.06	82.13	95.34	97.94	97.95	90.97	80.56	61.73	57.45	49.42
24249	2.42	2.21	1.98	2.01	2.08	2.04	2.59	3.33	3.77	4.08	4.63	4.84	4.93	5.05	5.09	5.40	5.98	7.14	8.56	8.17	6.79	5.30	4.56	4.43
	0.06	0.00	0.00	0.00	0.00	0.00	0.06	0.01	0.00	0.00	-0.01	-1.54	-7.78	-10.35	-13.96	-29.37	-36.92	-29.79	-15.64	-11.79	-9.14	-2.38	-5.45	-0.28
RAVENSWOOD_GT3_3	44.15	37.94	34.57	33.42	34.18	35.44	41.81	46.59	48.64	49.46	51.48	53.02	58.84	61.83	64.10	82.22	95.44	98.06	98.09	91.12	80.69	61.84	57.55	49.47
24250	2.46	2.25	2.05	2.04	2.15	2.07	2.63	3.37	3.81	4.17	4.72	4.93	5.02	5.14	5.13	5.49	6.08	7.26	8.70	8.31	6.92	5.40	4.65	4.47
	0.06	0.00	0.00	0.00	0.00	0.00	0.06	0.01	0.00	0.00	-0.01	-1.54	-7.78	-10.35	-13.96	-29.37	-36.92	-29.79	-15.64	-11.79	-9.14	-2.38	-5.45	-0.28
RAVENSWOOD_GT3_4	44.15	37.94	34.57	33.42	34.18	35.44	41.81	46.59	48.64	49.46	51.48	53.02	58.84	61.83	64.10	82.22	95.44	98.06	98.09	91.12	80.69	61.84	57.55	49.47
24251	2.46	2.25	2.05	2.04	2.15	2.07	2.63	3.37	3.81	4.17	4.72	4.93	5.02	5.14	5.13	5.49	6.08	7.26	8.70	8.31	6.92	5.40	4.65	4.47
	0.06	0.00	0.00	0.00	0.00	0.00	0.06	0.01	0.00	0.00	-0.01	-1.54	-7.78	-10.35	-13.96	-29.37	-36.92	-29.79	-15.64	-11.79	-9.14	-2.38	-5.45	-0.28
RAVENSWOOD_GT_1	44.24	37.98	34.66	33.51	34.24	35.47	41.81	46.63	48.68	49.50	51.57	53.06	58.84	61.78	64.06	82.13	95.34	97.88	97.87	90.90	80.50	61.84	57.55	49.56
23729	2.55	2.28	2.15	2.13	2.21	2.10	2.63	3.41	3.86	4.21	4.81	4.98	5.02	5.10	5.09	5.40	5.98	7.08	8.48	8.10	6.72	5.40	4.65	4.56
	0.06	0.00	0.00	0.00	0.00	0.00	0.06	0.01	0.00	0.00	-0.01	-1.54	-7.78	-10.35	-13.96	-29.37	-36.92	-29.79	-15.64	-11.79	-9.14	-2.38	-5.45	-0.28
RAVENSWOOD_GT_10	44.11	37.90	34.50	33.39	34.11	35.40	41.77	46.54	48.59	49.37	51.39	52.92	58.75	61.73	64.06	82.13	95.34	97.94	97.95	90.97	80.56	61.73	57.45	49.42
24258	2.42	2.21	1.98	2.01	2.08	2.04	2.59	3.33	3.77	4.08	4.63	4.84	4.93	5.05	5.09	5.40	5.98	7.14	8.56	8.17	6.79	5.30	4.56	4.43
	0.06	0.00	0.00	0.00	0.00	0.00	0.06	0.01	0.00	0.00	-0.01	-1.54	-7.78	-10.35	-13.96	-29.37	-36.92	-29.79	-15.64	-11.79	-9.14	-2.38	-5.45	-0.28
RAVENSWOOD_GT_11	44.11	37.90	34.50	33.39	34.11	35.40	41.77	46.54	48.59	49.37	51.39	52.92	58.75	61.73	64.06	82.13	95.34	97.94	97.95	90.97	80.56	61.73	57.45	49.42
24259	2.42	2.21	1.98	2.01	2.08	2.04	2.59	3.33	3.77	4.08	4.63	4.84	4.93	5.05	5.09	5.40	5.98	7.14	8.56	8.17	6.79	5.30	4.56	4.43
	0.06	0.00	0.00	0.00	0.00	0.00	0.06	0.01	0.00	0.00	-0.01	-1.54	-7.78	-10.35	-13.96	-29.37	-36.92	-29.79	-15.64	-11.79	-9.14	-2.38	-5.45	-0.28
RAVENSWOOD_GT_4	44.15	37.90	34.57	33.42	34.18	35.44	41.77	46.54	48.59	49.41	51.43	52.97	58.75	61.73	64.06	82.13	95.34	97.88	97.87	90.90	80.50	61.78	57.45	49.47
24252	2.46	2.21	2.05	2.04	2.15	2.07	2.59	3.33	3.77	4.12	4.67	4.89	4.93	5.05	5.09	5.40	5.98	7.08	8.48	8.10	6.72	5.35	4.56	4.47
	0.06	0.00	0.00	0.00	0.00	0.00	0.06	0.01	0.00	0.00	-0.01	-1.54	-7.78	-10.35	-13.96	-29.37	-36.92	-29.79	-15.64	-11.79	-9.14	-2.38	-5.44	-0.28
RAVENSWOOD_GT_5	44.15	37.90	34.57	33.42	34.18	35.44	41.77	46.54	48.59	49.41	51.43	52.97	58.75	61.73	64.06	82.13	95.34	97.88	97.87	90.90	80.50	61.78	57.45	49.47
24254	2.46	2.21	2.05	2.04	2.15	2.07	2.59	3.33	3.77	4.12	4.67	4.89	4.93	5.05	5.09	5.40	5.98	7.08	8.48	8.10	6.72	5.35	4.56	4.47
	0.06	0.00	0.00	0.00	0.00	0.00	0.06	0.01	0.00	0.00	-0.01	-1.54	-7.78	-10.35	-13.96	-29.37	-36.92	-29.79	-15.64	-11.79	-9.14	-2.38	-5.44	-0.28
RAVENSWOOD_GT_6	44.15	37.90	34.57	33.42	34.18	35.44	41.77	46.54	48.59	49.41	51.43	52.97	58.75	61.73	64.06	82.13	95.34	97.88	97.87	90.90	80.50	61.78	57.45	49.47
24253	2.46	2.21	2.05	2.04	2.15	2.07	2.59	3.33	3.77	4.12	4.67	4.89	4.93	5.05	5.09	5.40	5.98	7.08	8.48	8.10	6.72	5.35	4.56	4.47
	0.06	0.00	0.00	0.00	0.00	0.00	0.06	0.01	0.00	0.00	-0.01	-1.54	-7.78	-10.35	-13.96	-29.37	-36.92	-29.79	-15.64	-11.79	-9.14	-2.38	-5.44	-0.28

RAVENSWOOD_GT_7 24255	44.15 2.46 0.06	37.90 2.21 0.00	34.57 2.05 0.00	33.42 2.04 0.00	34.18 2.15 0.00	35.44 2.07 0.00	41.77 2.59 0.06	46.54 3.33 0.01	48.59 3.77 0.00	49.41 4.12 0.00	51.43 4.67 -0.01	52.97 4.89 -1.54	58.75 4.93 -7.78	61.73 5.05 -10.35	64.06 5.09 -13.96	82.13 5.40 -29.37	95.34 5.98 -36.92	97.88 7.08 -29.79	97.87 8.48 -15.64	90.90 8.10 -11.79	80.50 6.72 -9.14	61.78 5.35 -2.38	57.45 4.56 -5.44	49.47 4.47 -0.28
RAVENSWOOD_GT_8 TEMP GRP(8-11) 24256	44.11 2.42 0.06	37.90 2.21 0.00	34.50 1.98 0.00	33.39 2.01 0.00	34.11 2.08 0.00	35.40 2.04 0.00	41.77 2.59 0.06	46.54 3.33 0.01	48.59 3.77 0.00	49.37 4.08 0.00	51.39 4.63 -0.01	52.92 4.84 -1.54	58.75 4.93 -7.78	61.73 5.05 -10.35	64.06 5.09 -13.96	82.13 5.40 -29.37	95.34 5.98 -36.92	97.94 7.14 -29.79	97.95 8.56 -15.64	90.97 8.17 -11.79	80.56 6.79 -9.14	61.73 5.30 -2.38	57.45 4.56 -5.45	49.42 4.43 -0.28
RAVENSWOOD_GT_9 24257	44.11 2.42 0.06	37.90 2.21 0.00	34.50 1.98 0.00	33.39 2.01 0.00	34.11 2.08 0.00	35.40 2.04 0.00	41.77 2.59 0.06	46.54 3.33 0.01	48.59 3.77 0.00	49.37 4.08 0.00	51.39 4.63 -0.01	52.92 4.84 -1.54	58.75 4.93 -7.78	61.73 5.05 -10.35	64.06 5.09 -13.96	82.13 5.40 -29.37	95.34 5.98 -36.92	97.94 7.14 -29.79	97.95 8.56 -15.64	90.97 8.17 -11.79	80.56 6.79 -9.14	61.73 5.30 -2.38	57.45 4.56 -5.45	49.42 4.43 -0.28
RAVENSWOOD___1 23533	44.15 2.46 0.06	37.94 2.25 0.00	34.63 2.11 0.00	33.48 2.10 0.00	34.21 2.18 0.00	35.40 2.04 0.00	41.77 2.59 0.06	46.54 3.33 0.01	48.68 3.86 0.00	49.50 4.21 0.00	51.57 4.82 -0.01	53.01 4.93 -1.54	58.80 4.97 -7.78	61.74 5.05 -10.35	64.05 5.08 -13.96	82.12 5.40 -29.37	95.33 5.98 -36.92	97.94 7.13 -29.79	97.87 8.48 -15.64	90.83 8.02 -11.79	80.44 6.66 -9.14	61.67 5.24 -2.38	57.55 4.65 -5.45	49.56 4.56 -0.28
RAVENSWOOD___2 23534	44.07 2.38 0.06	37.87 2.18 0.00	34.60 2.08 0.00	33.42 2.04 0.00	34.18 2.15 0.00	35.34 1.97 0.00	41.69 2.51 0.06	46.50 3.28 0.01	48.59 3.77 0.00	49.41 4.12 0.00	51.48 4.72 -0.01	52.92 4.84 -1.54	58.70 4.88 -7.78	61.64 4.96 -10.35	63.97 5.00 -13.96	81.84 5.12 -29.37	94.97 5.61 -36.92	97.46 6.65 -29.79	97.29 7.90 -15.64	90.41 7.60 -11.79	80.04 6.27 -9.14	61.57 5.14 -2.38	57.45 4.56 -5.45	49.47 4.47 -0.28
RAVENSWOOD___3 23535	44.03 2.34 0.06	37.87 2.18 0.00	34.50 1.98 0.00	33.36 1.98 0.00	34.11 2.08 0.00	35.37 2.00 0.00	41.73 2.55 0.06	46.50 3.28 0.01	48.59 3.77 0.00	49.37 4.08 0.00	51.39 4.63 -0.01	52.92 4.84 -1.54	58.75 4.93 -7.78	61.74 5.05 -10.35	64.05 5.08 -13.96	82.17 5.44 -29.37	95.33 5.98 -36.92	97.94 7.13 -29.79	97.94 8.55 -15.64	90.90 8.09 -11.79	80.56 6.78 -9.14	61.62 5.19 -2.38	57.45 4.56 -5.45	49.42 4.43 -0.28
RAVENSWOOD___4 23820	44.15 2.46 0.06	37.94 2.25 0.00	34.63 2.11 0.00	33.45 2.07 0.00	34.21 2.18 0.00	35.40 2.04 0.00	41.77 2.59 0.06	46.54 3.33 0.01	48.63 3.81 0.00	49.50 4.21 0.00	51.57 4.82 -0.01	53.01 4.93 -1.54	58.80 4.97 -7.78	61.74 5.05 -10.35	64.05 5.08 -13.96	82.08 5.35 -29.37	95.28 5.92 -36.92	97.88 7.07 -29.79	97.80 8.40 -15.64	90.83 8.02 -11.79	80.44 6.66 -9.14	61.67 5.24 -2.38	57.50 4.60 -5.44	49.51 4.51 -0.28
RCPL_TRUST___DRP 24196	44.11 2.42 0.06	37.90 2.21 0.00	34.50 1.98 0.00	33.36 1.98 0.00	34.14 2.11 0.00	35.44 2.07 0.00	41.81 2.63 0.06	46.59 3.37 0.01	48.68 3.86 0.00	49.46 4.17 0.00	51.53 4.77 -0.01	53.07 5.03 -1.49	58.71 5.11 -7.56	61.66 5.24 -10.08	63.98 5.27 -13.71	81.70 5.59 -28.76	94.86 6.19 -36.23	98.18 7.44 -29.72	98.15 8.85 -15.55	91.06 8.38 -11.66	80.71 7.05 -9.03	61.89 5.46 -2.38	57.50 4.70 -5.35	49.47 4.47 -0.28
RED___ROCHESTER 323720	36.92 -2.67 2.16	31.24 -2.28 2.16	28.46 -2.08 1.97	27.51 -1.98 1.89	28.11 -1.99 1.93	29.34 -2.00 2.02	34.62 -2.59 2.03	38.08 -2.72 2.42	39.76 -2.38 2.69	40.22 -2.36 2.71	41.21 -2.80 2.73	40.76 -3.02 2.76	40.27 -3.04 2.73	40.48 -3.10 2.75	39.72 -2.61 2.68	40.08 -2.79 4.48	43.45 -3.36 5.62	49.26 -3.91 7.84	52.90 -4.28 16.57	54.49 -3.91 12.62	55.21 -3.49 5.94	47.11 -2.81 4.12	41.65 -2.85 2.95	40.19 -2.95 1.58
REGAN___SOLAR 323812	44.45 2.76 0.06	38.15 2.46 0.00	34.73 2.21 0.00	33.54 2.16 0.00	34.24 2.21 0.00	35.64 2.27 0.00	42.01 2.83 0.06	46.40 3.11 -0.07	47.61 2.78 0.00	47.65 2.35 0.00	48.70 1.96 0.01	48.08 1.53 0.00	47.24 1.20 0.00	47.68 1.02 -0.33	47.31 0.72 -1.58	50.24 1.00 -1.89	56.03 1.31 -2.28	65.08 2.56 -1.51	78.02 4.28 0.01	78.61 5.47 -2.13	92.27 5.62 -22.02	68.71 4.54 -10.12	60.28 3.84 -8.98	49.48 3.53 -1.23
RENSSELAER___COGEN 23796	42.63 0.88 0.00	36.62 0.93 0.00	33.40 0.88 0.00	32.26 0.88 0.00	32.93 0.90 0.00	34.23 0.87 0.00	40.30 1.06 0.00	44.45 1.17 -0.06	45.99 1.16 0.00	46.47 1.18 0.00	47.91 1.17 0.00	47.66 1.12 0.00	47.14 1.10 0.00	48.16 1.20 -0.61	48.93 0.95 -2.97	51.90 1.00 -3.55	57.80 1.15 -4.22	65.40 1.65 -2.74	75.81 2.06 0.00	76.73 1.99 -3.73	80.54 1.81 -14.10	62.03 1.51 -6.47	54.57 1.38 -5.74	46.73 1.21 -0.80
REPUBLIC_115KV_BARTNBRK 55605	46.30 4.55 0.00	39.72 4.03 0.00	36.16 3.64 0.00	34.89 3.51 0.00	35.59 3.56 0.00	37.04 3.67 0.00	43.79 4.55 0.00	48.50 5.19 -0.10	49.89 5.07 0.00	50.64 5.34 0.00	52.26 5.52 0.00	51.11 4.56 0.00	50.05 4.01 0.00	50.75 3.94 -0.47	50.50 3.20 -2.29	52.27 2.18 -2.73	58.63 2.94 -3.25	68.01 4.76 -2.24	80.39 6.64 0.00	82.01 7.95 -3.04	94.96 8.14 -22.18	70.82 6.59 -10.18	61.99 5.50 -9.03	52.06 6.08 -1.26
REVERE_CPPR_DRP 24186	42.67 0.92 0.00	36.51 0.82 0.00	33.23 0.72 0.00	32.10 0.72 0.00	32.70 0.67 0.00	34.10 0.73 0.00	40.18 0.94 0.00	44.30 1.08 0.00	45.90 1.08 0.00	46.15 0.86 0.00	47.35 0.61 0.00	47.10 0.56 0.00	46.32 0.28 0.00	46.57 0.23 0.00	45.06 0.05 0.00	47.22 0.19 0.32	52.50 0.47 0.40	61.26 0.85 0.61	74.48 1.62 0.89	71.41 1.21 0.81	65.13 1.23 0.73	54.58 0.97 0.45	47.94 0.76 0.28	45.39 0.67 0.00
REYNLDDPA_13_KV_LD 356490	41.84 0.08 0.00	35.58 -0.11 0.00	32.42 -0.10 0.00	31.25 -0.13 0.00	31.84 -0.19 0.00	33.23 -0.13 0.00	39.12 -0.12 0.00	43.01 -0.22 0.00	44.60 -0.22 0.00	44.98 -0.31 0.00	46.42 -0.32 0.00	46.31 -0.23 0.00	45.81 -0.23 0.00	46.02 -0.32 0.00	44.65 -0.36 0.00	46.79 -0.57 0.00	51.81 -0.63 0.00	59.49 -1.52 0.00	71.76 -1.99 0.00	69.10 -1.91 0.00	62.95 -1.68 0.00	52.86 -1.19 0.00	46.79 -0.66 0.00	44.27 -0.45 0.00
REYNOLDS_115KV_TB3 80639	42.92 1.17 0.00	36.90 1.21 0.00	33.69 1.17 0.00	32.51 1.13 0.00	33.18 1.15 0.00	34.53 1.17 0.00	40.57 1.33 0.00	44.93 1.64 -0.07	46.44 1.61 0.00	46.92 1.63 0.00	48.43 1.68 0.00	48.13 1.58 0.00	47.56 1.52 0.00	48.72 1.62 -0.76	50.13 1.44 -3.68	53.17 1.42 -4.40	59.16 1.57 -5.15	67.52 2.07 -4.44	76.80 2.51 -0.54	78.30 2.56 -4.72	82.10 2.26 -15.21	63.03 2.00 -6.98	55.40 1.76 -6.19	47.15 1.57 -0.87

RIVERBAY____ 323610	44.86 3.17 0.06	38.47 2.78 0.00	35.28 2.76 0.00	34.08 2.70 0.00	34.85 2.82 0.00	35.87 2.50 0.00	42.32 3.14 0.06	47.19 3.98 0.01	49.26 4.44 0.00	50.09 4.80 0.00	52.13 5.38 -0.01	52.13 5.49 -0.09	59.35 5.52 -7.78	53.27 5.65 -1.28	64.64 5.67 -13.96	82.79 6.06 -29.37	71.94 6.71 -12.79	98.86 8.05 -29.79	99.05 9.66 -15.64	92.11 9.30 -11.79	81.53 7.76 -9.14	62.65 6.22 -2.38	58.26 5.36 -5.45	50.23 5.23 -0.28
RIVERSDE_115KV_TB3 55908	42.80 1.04 0.00	36.80 1.11 0.00	33.56 1.04 0.00	32.41 1.04 0.00	33.06 1.02 0.00	34.40 1.03 0.00	40.45 1.22 0.00	44.63 1.34 -0.07	46.13 1.30 0.00	46.60 1.31 0.00	48.05 1.31 0.00	47.94 1.40 0.00	47.42 1.38 0.00	48.47 1.44 -0.69	49.67 1.31 -3.35	52.58 1.23 -4.00	58.45 1.36 -4.65	66.04 1.95 -3.08	76.11 2.36 0.00	77.61 2.41 -4.18	82.10 2.13 -15.34	62.92 1.84 -7.04	55.31 1.61 -6.24	47.07 1.48 -0.87
ROARING__BROOK_WT_PWR 323790	41.17 -0.58 0.00	35.01 -0.68 0.00	31.80 -0.72 0.00	30.60 -0.78 0.00	31.17 -0.86 0.00	32.43 -0.93 0.00	38.10 -1.14 0.00	41.97 -1.25 0.00	43.48 -1.34 0.00	43.93 -1.36 0.00	45.34 -1.40 0.00	45.15 -1.40 0.00	44.70 -1.34 0.00	44.99 -1.35 0.00	43.66 -1.35 0.00	45.89 -1.47 0.00	50.81 -1.63 0.00	59.12 -1.89 0.00	71.39 -2.36 0.00	68.74 -2.28 0.00	62.56 -2.07 0.00	52.37 -1.68 0.00	45.98 -1.47 0.00	43.38 -1.34 0.00
ROCHESRG_115KV_T4 355643	36.95 -3.21 1.59	31.00 -2.78 1.90	28.25 -2.54 1.73	27.34 -2.38 1.66	28.08 -2.40 1.55	29.16 -2.44 1.78	34.60 -2.98 1.65	37.80 -3.33 2.10	39.37 -3.05 2.41	39.74 -3.13 2.43	40.82 -3.51 2.42	40.63 -3.68 2.24	40.15 -3.68 2.21	40.16 -3.71 2.47	38.88 -3.74 2.40	39.47 -3.69 4.19	42.94 -4.14 5.35	46.90 -5.00 9.11	51.01 -5.75 16.99	52.51 -5.40 13.11	53.35 -4.85 6.43	45.50 -3.95 4.60	40.53 -3.56 3.37	39.27 -3.58 1.87
ROCHESTER_9_IC 23652	37.61 -2.88 1.26	31.68 -2.50 1.52	28.87 -2.28 1.37	27.90 -2.17 1.32	28.69 -2.15 1.20	29.75 -2.20 1.41	35.21 -2.59 1.36	38.61 -2.67 1.68	40.28 -2.67 1.90	40.70 -2.67 1.92	41.74 -3.09 1.92	41.54 -3.30 1.70	41.04 -3.31 1.68	41.06 -3.34 1.95	39.75 -3.38 1.89	40.36 -3.31 3.68	43.98 -3.72 4.73	47.72 -4.51 8.78	52.12 -5.09 16.55	53.67 -4.76 12.59	54.46 -4.27 5.91	46.50 -3.46 4.09	41.34 -3.18 2.93	39.99 -3.18 1.56
ROCKVIEW_13_KV_LD 356306	44.11 2.42 0.06	37.90 2.21 0.00	34.50 1.98 0.00	33.36 1.98 0.00	34.11 2.08 0.00	35.44 2.07 0.00	41.77 2.59 0.06	46.50 3.28 0.01	48.50 3.68 0.00	49.32 4.03 0.00	51.31 4.58 0.01	51.38 4.84 0.00	51.01 4.97 0.00	52.48 5.10 -1.05	55.22 5.13 -5.07	60.65 5.49 -7.80	71.29 6.13 -12.72	95.59 7.26 -27.32	94.93 8.78 -12.40	86.54 8.38 -7.15	76.59 6.85 -5.11	61.66 5.24 -2.36	54.06 4.51 -2.10	49.28 4.29 -0.27
ROME____115KV_TB2 80656	42.67 0.92 0.00	36.51 0.82 0.00	33.23 0.72 0.00	32.10 0.72 0.00	32.70 0.67 0.00	34.10 0.73 0.00	40.18 0.94 0.00	44.30 1.08 0.00	45.90 1.08 0.00	46.15 0.86 0.00	47.35 0.61 0.00	47.10 0.56 0.00	46.32 0.28 0.00	46.57 0.23 0.00	45.06 0.05 0.00	47.22 0.19 0.32	52.50 0.47 0.40	61.26 0.85 0.61	74.48 1.62 0.89	71.41 1.21 0.81	65.13 1.23 0.73	54.58 0.97 0.45	47.94 0.76 0.28	45.39 0.67 0.00
ROSETON__1 23587	43.52 1.84 0.06	37.40 1.71 0.00	34.08 1.56 0.00	32.95 1.57 0.00	33.66 1.63 0.00	34.94 1.57 0.00	41.18 2.00 0.06	45.76 2.55 0.01	47.70 2.87 0.00	48.37 3.08 0.00	50.28 3.55 0.01	50.27 3.72 0.00	49.82 3.78 0.00	51.23 3.84 -1.05	53.89 3.82 -5.06	57.51 4.12 -6.03	64.22 4.56 -7.23	93.39 5.49 -26.88	92.47 6.56 -12.16	84.31 6.18 -7.12	74.86 5.17 -5.06	60.28 3.89 -2.34	52.99 3.46 -2.08	48.38 3.40 -0.27
ROSETON__2 23588	43.52 1.84 0.06	37.40 1.71 0.00	34.08 1.56 0.00	32.95 1.57 0.00	33.66 1.63 0.00	34.94 1.57 0.00	41.18 2.00 0.06	45.76 2.55 0.01	47.70 2.87 0.00	48.37 3.08 0.00	50.28 3.55 0.01	50.27 3.72 0.00	49.82 3.78 0.00	51.23 3.84 -1.05	53.89 3.82 -5.06	57.51 4.12 -6.03	64.22 4.56 -7.23	93.39 5.49 -26.88	92.47 6.56 -12.16	84.31 6.18 -7.12	74.86 5.17 -5.06	60.28 3.89 -2.34	52.99 3.46 -2.08	48.38 3.40 -0.27
ROTTDRAM_115KV_TB3 80664	43.01 1.25 0.00	36.87 1.18 0.00	33.62 1.11 0.00	32.45 1.07 0.00	33.12 1.09 0.00	34.50 1.13 0.00	40.57 1.33 0.00	44.88 1.56 -0.10	46.35 1.52 0.00	46.83 1.54 0.00	48.33 1.59 0.00	47.99 1.44 0.00	47.47 1.43 0.00	48.13 1.44 -0.35	48.01 1.31 -1.70	50.66 1.28 -2.02	56.29 1.42 -2.44	64.64 1.95 -1.68	76.26 2.51 0.00	75.92 2.63 -2.27	90.85 2.39 -23.83	66.98 2.00 -10.93	58.91 1.76 -9.70	47.77 1.70 -1.36
RUSSELL__1 23602	37.80 -2.67 1.28	31.80 -2.36 1.54	28.98 -2.15 1.40	28.00 -2.04 1.34	28.79 -2.02 1.22	29.90 -2.04 1.43	35.35 -2.51 1.37	38.80 -2.72 1.70	40.56 -2.33 1.93	40.99 -2.36 1.95	41.99 -2.80 1.95	41.79 -3.03 1.73	41.29 -3.04 1.71	41.26 -3.10 1.98	39.94 -3.15 1.92	40.61 -3.03 3.71	44.26 -3.41 4.77	48.07 -4.15 8.80	52.53 -4.65 16.57	54.13 -4.26 12.62	54.88 -3.81 5.94	46.85 -3.08 4.12	41.60 -2.89 2.95	40.19 -2.95 1.58
RUSSELL__2 23532	37.80 -2.67 1.28	31.80 -2.36 1.54	28.98 -2.15 1.40	28.00 -2.04 1.34	28.79 -2.02 1.22	29.90 -2.04 1.43	35.35 -2.51 1.37	38.80 -2.72 1.70	40.56 -2.33 1.93	40.99 -2.36 1.95	41.99 -2.80 1.95	41.79 -3.03 1.73	41.29 -3.04 1.71	41.26 -3.10 1.98	39.94 -3.15 1.92	40.61 -3.03 3.71	44.26 -3.41 4.77	48.07 -4.15 8.80	52.53 -4.65 16.57	54.13 -4.26 12.62	54.88 -3.81 5.94	46.85 -3.08 4.12	41.60 -2.89 2.95	40.19 -2.95 1.58
RUSSELL__3 23549	37.80 -2.67 1.28	31.80 -2.36 1.54	28.98 -2.15 1.40	28.00 -2.04 1.34	28.79 -2.02 1.22	29.90 -2.04 1.43	35.35 -2.51 1.37	38.80 -2.72 1.70	40.56 -2.33 1.93	40.99 -2.36 1.95	41.99 -2.80 1.95	41.79 -3.03 1.73	41.29 -3.04 1.71	41.26 -3.10 1.98	39.94 -3.15 1.92	40.61 -3.03 3.71	44.26 -3.41 4.77	48.07 -4.15 8.80	52.53 -4.65 16.57	54.13 -4.26 12.62	54.88 -3.81 5.94	46.85 -3.08 4.12	41.60 -2.89 2.95	40.19 -2.95 1.58
RUSSELL__4 23556	37.80 -2.67 1.28	31.80 -2.36 1.54	28.98 -2.15 1.40	28.00 -2.04 1.34	28.79 -2.02 1.22	29.90 -2.04 1.43	35.35 -2.51 1.37	38.80 -2.72 1.70	40.56 -2.33 1.93	40.99 -2.36 1.95	41.99 -2.80 1.95	41.79 -3.03 1.73	41.29 -3.04 1.71	41.26 -3.10 1.98	39.94 -3.15 1.92	40.61 -3.03 3.71	44.26 -3.41 4.77	48.07 -4.15 8.80	52.53 -4.65 16.57	54.13 -4.26 12.62	54.88 -3.81 5.94	46.85 -3.08 4.12	41.60 -2.89 2.95	40.19 -2.95 1.58
RUSSELL__STATION 23914	37.80 -2.67 1.28	31.80 -2.36 1.54	28.98 -2.15 1.40	28.00 -2.04 1.34	28.79 -2.02 1.22	29.90 -2.04 1.43	35.35 -2.51 1.37	38.80 -2.72 1.70	40.56 -2.33 1.93	40.99 -2.36 1.95	41.99 -2.80 1.95	41.79 -3.03 1.73	41.29 -3.04 1.71	41.26 -3.10 1.98	39.94 -3.15 1.92	40.61 -3.03 3.71	44.26 -3.41 4.77	48.07 -4.15 8.80	52.53 -4.65 16.57	54.13 -4.26 12.62	54.88 -3.81 5.94	46.85 -3.08 4.12	41.60 -2.89 2.95	40.19 -2.95 1.58

S SALMON___HYD 24043	41.46 -0.29 0.00	35.44 -0.25 0.00	32.29 -0.23 0.00	31.16 -0.22 0.00	31.81 -0.22 0.00	33.20 -0.17 0.00	38.97 -0.27 0.00	42.87 -0.35 0.00	44.42 -0.40 0.00	44.70 -0.59 0.00	45.86 -0.89 0.00	45.56 -0.98 0.00	44.89 -1.15 0.00	45.13 -1.21 0.00	43.75 -1.26 0.00	46.66 -1.18 -0.48	51.78 -1.26 -0.61	60.60 -1.28 -0.87	73.85 -1.18 -1.29	71.05 -1.14 -1.17	64.78 -0.90 -1.05	53.94 -0.76 -0.64	47.19 -0.66 -0.40	44.00 -0.72 0.00
S.PERRY___115KV_TB1 80734	78.64 -1.67 -38.56	69.97 -1.46 -35.74	63.77 -1.33 -32.58	61.29 -1.38 -31.29	62.74 -1.28 -31.99	65.58 -1.20 -33.42	73.99 -1.53 -36.29	82.80 -1.94 -41.52	87.86 -1.84 -44.87	88.35 -2.13 -45.19	89.97 -2.66 -45.89	89.65 -2.98 -46.09	88.67 -2.95 -45.57	89.22 -3.01 -45.90	84.80 -4.86 -44.65	81.68 -4.78 -39.11	95.54 -5.19 -48.30	96.35 -5.98 -41.32	124.54 -6.49 -57.28	117.73 -5.47 -52.18	101.54 -4.65 -41.56	87.15 -3.73 -36.83	79.24 -1.61 -33.40	75.65 -1.79 -32.72
SAWYER_23_KV_LOAD_REV_LBMP_A 345024	21.77 -5.14 14.85	20.18 -4.43 11.09	18.41 -4.00 10.10	17.91 -3.77 9.70	18.34 -3.84 9.85	19.00 -4.00 10.36	20.21 -4.90 14.12	23.65 -5.40 14.17	25.66 -5.24 13.92	25.97 -5.30 14.02	26.19 -5.80 14.76	26.54 -5.82 14.19	26.21 -5.80 14.03	26.30 -5.79 14.24	25.31 -5.85 13.85	27.24 -5.73 14.39	29.01 -6.50 16.92	31.70 -7.87 21.43	36.43 -9.15 28.18	38.39 -8.73 23.89	38.02 -7.95 18.66	33.76 -6.38 13.91	30.01 -5.69 11.75	27.73 -5.55 11.45
SAWYER___23_KV_LOAD 55526	21.77 -5.14 14.85	20.18 -4.43 11.09	18.41 -4.00 10.10	17.91 -3.77 9.70	18.34 -3.84 9.85	19.00 -4.00 10.36	20.21 -4.90 14.12	23.65 -5.40 14.17	25.66 -5.24 13.92	25.97 -5.30 14.02	26.19 -5.80 14.76	26.54 -5.82 14.19	26.21 -5.80 14.03	26.30 -5.79 14.24	25.31 -5.85 13.85	27.24 -5.73 14.39	29.01 -6.50 16.92	31.70 -7.87 21.43	36.43 -9.15 28.18	38.39 -8.73 23.89	38.02 -7.95 18.66	33.76 -6.38 13.91	30.01 -5.69 11.75	27.73 -5.55 11.45
SELKIRK___I 23801	42.96 1.21 0.00	36.90 1.21 0.00	33.66 1.14 0.00	32.48 1.10 0.00	33.15 1.12 0.00	34.47 1.10 0.00	40.53 1.29 0.00	44.69 1.42 -0.05	46.26 1.43 0.00	46.74 1.45 0.00	48.24 1.50 0.00	47.94 1.40 0.00	47.33 1.29 0.00	48.03 1.34 -0.34	47.84 1.17 -1.66	50.57 1.23 -1.98	56.22 1.42 -2.37	64.73 1.95 -1.77	76.26 2.51 0.00	75.90 2.48 -2.40	78.45 2.26 -11.56	61.24 1.89 -5.30	53.82 1.66 -4.71	46.94 1.56 -0.66
SELKIRK___II 23799	42.67 0.92 0.00	36.62 0.93 0.00	33.40 0.88 0.00	32.26 0.88 0.00	32.93 0.90 0.00	34.27 0.90 0.00	40.30 1.06 0.00	44.48 1.21 -0.05	46.04 1.21 0.00	46.51 1.22 0.00	48.01 1.26 0.00	47.80 1.26 0.00	47.28 1.24 0.00	48.00 1.30 -0.36	47.89 1.13 -1.75	50.63 1.18 -2.09	56.24 1.31 -2.49	64.59 1.77 -1.81	75.89 2.14 0.00	75.53 2.06 -2.46	78.49 1.81 -12.05	61.09 1.51 -5.53	53.69 1.33 -4.91	46.61 1.21 -0.69
SENECA OSWGO___HYD 24041	40.79 -0.96 0.00	34.91 -0.79 0.00	31.83 -0.68 0.00	30.69 -0.69 0.00	31.39 -0.64 0.00	32.77 -0.60 0.00	38.37 -0.86 0.00	42.14 -1.08 0.00	43.80 -1.03 0.00	44.25 -1.04 0.00	45.53 -1.22 0.00	45.24 -1.30 0.00	44.70 -1.34 0.00	44.99 -1.35 0.00	43.80 -1.21 0.00	47.54 -1.18 -1.36	52.78 -1.36 -1.71	62.04 -1.46 -2.50	75.73 -1.69 -3.67	72.79 -1.56 -3.34	66.28 -1.36 -3.00	54.75 -1.14 -1.84	47.45 -1.14 -1.14	43.56 -1.16 0.00
SENECA___115KV_TB3 355854	21.15 -4.59 16.01	19.53 -3.89 12.27	17.82 -3.51 11.18	17.31 -3.33 10.74	17.56 -3.49 10.98	18.36 -3.54 11.47	19.60 -4.51 15.12	22.99 -4.84 15.39	24.83 -4.71 15.29	25.23 -4.66 15.40	25.42 -5.19 16.13	25.67 -5.17 15.71	25.30 -5.20 15.54	25.56 -5.15 15.64	25.39 -4.41 15.21	27.01 -4.74 15.61	27.93 -5.66 18.84	32.66 -6.71 21.64	36.54 -7.82 29.39	38.74 -7.10 25.17	38.57 -6.53 19.54	34.03 -5.29 14.72	30.08 -4.89 12.49	27.71 -4.87 12.14
SENECA___ENERGY 23797	46.70 -0.75 -5.70	40.63 -0.39 -5.33	37.12 -0.26 -4.86	35.73 -0.31 -4.67	36.60 -0.22 -4.79	38.25 -0.10 -4.99	44.15 -0.43 -5.35	48.65 -0.74 -6.16	50.98 -0.54 -6.69	51.39 -0.63 -6.74	52.68 -0.89 -6.83	52.41 -1.02 -6.89	51.85 -1.01 -6.82	52.16 -1.02 -6.84	50.77 -0.90 -6.66	52.56 -0.85 -6.06	59.03 -0.89 -7.48	70.64 -1.52 -11.15	104.96 -1.55 -32.76	91.15 -1.35 -21.49	66.18 -1.16 -2.71	55.46 -0.92 -2.33	48.62 -1.09 -2.26	47.12 -1.21 -3.60
SHOEMAKER___GT 23640	43.27 1.59 0.07	37.19 1.50 0.00	33.85 1.33 0.00	32.70 1.32 0.00	33.41 1.38 0.00	34.70 1.34 0.00	40.86 1.69 0.07	45.33 2.12 0.01	47.16 2.33 0.00	47.83 2.53 0.00	49.63 2.90 0.01	49.57 3.02 0.00	49.13 3.09 0.00	50.50 3.15 -1.01	53.15 3.24 -4.90	46.41 3.55 4.50	31.09 3.98 25.33	89.60 4.88 -23.71	90.13 5.90 -10.47	83.46 5.54 -6.90	73.96 4.66 -4.67	59.68 3.46 -2.17	52.41 3.04 -1.92	47.87 2.91 -0.24
SHOEMAKR_138KV_BK 111 55601	43.31 1.63 0.07	37.19 1.50 0.00	33.85 1.33 0.00	32.73 1.35 0.00	33.44 1.41 0.00	34.74 1.37 0.00	40.86 1.69 0.07	45.33 2.12 0.01	47.20 2.38 0.00	47.83 2.54 0.00	49.68 2.94 0.01	49.62 3.07 0.00	49.17 3.13 0.00	50.55 3.20 -1.01	53.18 3.29 -4.89	41.16 3.55 9.75	14.68 3.99 41.74	89.35 4.88 -23.46	89.99 5.90 -10.34	83.44 5.54 -6.89	73.93 4.65 -4.64	59.77 3.57 -2.15	52.40 3.04 -1.91	47.91 2.95 -0.24
SHOREHAM_IC_1 23715	45.28 3.59 0.06	38.90 3.21 0.00	35.15 2.63 0.00	33.92 2.54 0.00	34.66 2.63 0.00	36.07 2.70 0.00	42.55 3.37 0.06	48.94 4.58 -1.14	49.95 5.11 -0.02	52.11 5.39 -1.43	52.76 5.65 -0.37	53.05 5.30 -1.20	57.89 5.38 -6.46	55.91 5.56 -4.01	55.53 5.44 -5.08	60.31 5.16 -7.80	70.16 5.03 -12.69	94.62 6.29 -27.33	93.59 7.45 -12.40	84.48 6.32 -7.15	74.71 4.98 -5.10	60.74 4.33 -2.37	53.58 4.03 -2.10	50.31 5.32 -0.27
SHOREHAM_IC_2 23716	45.28 3.59 0.06	38.90 3.21 0.00	35.15 2.63 0.00	33.92 2.54 0.00	34.66 2.63 0.00	36.07 2.70 0.00	42.55 3.37 0.06	48.94 4.58 -1.14	49.95 5.11 -0.02	52.11 5.39 -1.43	52.76 5.65 -0.37	53.05 5.30 -1.20	57.89 5.38 -6.46	55.91 5.56 -4.01	55.53 5.44 -5.08	60.31 5.16 -7.80	70.16 5.03 -12.69	94.62 6.29 -27.33	93.59 7.45 -12.40	84.48 6.32 -7.15	74.71 4.98 -5.10	60.74 4.33 -2.37	53.58 4.03 -2.10	50.31 5.32 -0.27
SISSONVILLE____ 23735	41.42 -0.33 0.00	35.19 -0.50 0.00	32.03 -0.49 0.00	30.91 -0.47 0.00	31.45 -0.58 0.00	32.83 -0.53 0.00	38.69 -0.55 0.00	42.57 -0.65 0.00	43.97 -0.85 0.00	44.29 -1.00 0.00	45.62 -1.12 0.00	45.43 -1.12 0.00	44.89 -1.15 0.00	44.76 -1.58 0.00	43.30 -1.71 0.00	45.27 -2.08 0.00	50.18 -2.25 0.00	58.14 -2.87 0.00	70.29 -3.47 0.00	67.68 -3.34 0.00	61.72 -2.91 0.00	51.62 -2.43 0.00	45.65 -1.80 0.00	43.33 -1.39 0.00
SITHE_IND_GS1 24169	40.47 -1.34 -0.06	34.58 -1.11 0.00	31.54 -0.97 0.00	30.44 -0.94 0.00	31.07 -0.96 0.00	32.43 -0.93 0.00	38.00 -1.29 -0.06	41.69 -1.55 -0.03	43.21 -1.61 0.00	43.66 -1.63 0.00	44.98 -1.78 -0.01	44.73 -1.82 0.00	44.20 -1.84 0.00	44.48 -1.85 0.00	43.25 -1.76 0.00	32.53 -1.75 13.07	34.00 -1.99 16.44	34.65 -2.26 24.10	35.65 -2.65 35.45	36.26 -2.49 32.27	33.36 -2.26 29.01	34.47 -1.84 17.74	34.74 -1.71 11.01	43.07 -1.65 0.00

SITHE_IND_GS2 24170	40.47 -1.34 -0.06	34.58 -1.11 0.00	31.54 -0.97 0.00	30.44 -0.94 0.00	31.07 -0.96 0.00	32.43 -0.93 0.00	38.00 -1.29 -0.06	41.69 -1.55 -0.03	43.21 -1.61 0.00	43.66 -1.63 0.00	44.98 -1.78 -0.01	44.73 -1.82 0.00	44.20 -1.84 0.00	44.48 -1.85 0.00	43.25 -1.76 0.00	32.53 -1.75 13.07	34.00 -1.99 16.44	34.65 -2.26 24.10	35.65 -2.65 35.45	36.26 -2.49 32.27	33.36 -2.26 29.01	34.47 -1.84 17.74	34.74 -1.71 11.01	43.07 -1.65 0.00
SITHE_IND_GS3 24171	40.47 -1.34 -0.06	34.58 -1.11 0.00	31.54 -0.97 0.00	30.44 -0.94 0.00	31.07 -0.96 0.00	32.43 -0.93 0.00	38.00 -1.29 -0.06	41.69 -1.55 -0.03	43.21 -1.61 0.00	43.66 -1.63 0.00	44.98 -1.78 -0.01	44.73 -1.82 0.00	44.20 -1.84 0.00	44.48 -1.85 0.00	43.25 -1.76 0.00	32.53 -1.75 13.07	34.00 -1.99 16.44	34.65 -2.26 24.10	35.65 -2.65 35.45	36.26 -2.49 32.27	33.36 -2.26 29.01	34.47 -1.84 17.74	34.74 -1.71 11.01	43.07 -1.65 0.00
SITHE_IND_GS4 24172	40.47 -1.34 -0.06	34.58 -1.11 0.00	31.54 -0.97 0.00	30.44 -0.94 0.00	31.07 -0.96 0.00	32.43 -0.93 0.00	38.00 -1.29 -0.06	41.69 -1.55 -0.03	43.21 -1.61 0.00	43.66 -1.63 0.00	44.98 -1.78 -0.01	44.73 -1.82 0.00	44.20 -1.84 0.00	44.48 -1.85 0.00	43.25 -1.76 0.00	32.53 -1.75 13.07	34.00 -1.99 16.44	34.65 -2.26 24.10	35.65 -2.65 35.45	36.26 -2.49 32.27	33.36 -2.26 29.01	34.47 -1.84 17.74	34.74 -1.71 11.01	43.07 -1.65 0.00
SITHE___BATAVIA 24024	29.32 -3.63 8.80	25.84 -3.11 6.75	23.57 -2.80 6.15	22.84 -2.64 5.91	23.30 -2.69 6.04	24.36 -2.70 6.31	27.38 -3.53 8.32	31.12 -3.72 8.38	33.16 -3.41 8.25	33.44 -3.53 8.31	33.84 -4.16 8.74	33.69 -4.38 8.48	33.19 -4.47 8.39	33.40 -4.49 8.44	33.02 -3.78 8.21	33.82 -4.12 9.41	35.77 -4.98 11.68	40.83 -5.74 14.44	44.78 -6.42 22.55	47.00 -5.61 18.40	47.54 -5.04 12.06	41.38 -4.00 8.67	36.57 -3.84 7.04	34.31 -3.98 6.43
SITHE___INDEPEND 23800	40.48 -1.34 -0.06	34.58 -1.11 0.00	31.51 -1.01 0.00	30.41 -0.97 0.00	31.07 -0.96 0.00	32.40 -0.97 0.00	38.04 -1.26 -0.06	41.65 -1.60 -0.03	43.21 -1.61 0.00	43.66 -1.63 0.00	44.98 -1.78 -0.01	44.73 -1.82 0.00	44.20 -1.84 0.00	44.48 -1.85 0.00	43.25 -1.76 0.00	32.48 -1.80 13.07	34.00 -1.99 16.44	34.65 -2.26 24.10	35.65 -2.66 35.45	36.19 -2.56 32.27	33.36 -2.26 29.01	34.42 -1.89 17.74	34.74 -1.71 11.01	43.07 -1.65 0.00
SITHE___MASSENA 23902	41.79 0.04 0.00	35.51 -0.18 0.00	32.36 -0.16 0.00	31.19 -0.19 0.00	31.77 -0.26 0.00	33.17 -0.20 0.00	39.04 -0.20 0.00	42.96 -0.26 0.00	44.47 -0.36 0.00	44.84 -0.45 0.00	46.28 -0.47 0.00	46.12 -0.42 0.00	45.62 -0.42 0.00	45.78 -0.55 0.00	44.42 -0.59 0.00	46.55 -0.81 0.00	51.59 -0.84 0.00	59.67 -1.34 0.00	72.06 -1.69 0.00	69.38 -1.63 0.00	63.21 -1.42 0.00	52.91 -1.14 0.00	46.60 -0.85 0.00	44.14 -0.58 0.00
SITHE___OGDNSBRG 24021	42.13 0.38 0.00	35.83 0.14 0.00	32.62 0.10 0.00	31.47 0.09 0.00	32.03 0.00 0.00	33.47 0.10 0.00	39.39 0.16 0.00	43.26 0.04 0.00	44.60 -0.22 0.00	44.84 -0.45 0.00	46.14 -0.61 0.00	45.94 -0.61 0.00	45.40 -0.64 0.00	45.46 -0.88 0.00	44.11 -0.90 0.00	46.22 -1.14 0.00	51.23 -1.21 0.00	59.36 -1.65 0.00	71.91 -1.84 0.00	69.31 -1.70 0.00	63.34 -1.29 0.00	52.97 -1.08 0.00	46.74 -0.71 0.00	44.32 -0.40 0.00
SITHE___STERLING 23777	42.46 0.71 0.00	36.30 0.61 0.00	33.07 0.55 0.00	31.91 0.53 0.00	32.57 0.54 0.00	33.97 0.60 0.00	39.94 0.71 0.00	44.04 0.82 0.00	45.63 0.81 0.00	45.97 0.68 0.00	47.21 0.47 0.00	46.96 0.42 0.00	46.27 0.23 0.00	46.57 0.23 0.00	45.10 0.09 0.00	47.20 0.24 0.40	52.35 0.42 0.50	60.99 0.73 0.75	73.98 1.33 1.11	71.14 1.13 1.01	64.83 1.10 0.90	54.41 0.92 0.55	47.77 0.66 0.34	45.30 0.58 0.00
SLEIGHT__34_KV_TB1 80719	39.86 -2.13 -0.24	33.52 -1.86 0.31	30.59 -1.66 0.27	29.52 -1.60 0.26	30.49 -1.54 0.00	31.55 -1.53 0.28	37.27 -1.88 0.08	40.83 -2.12 0.28	42.55 -1.84 0.44	42.95 -1.90 0.44	44.10 -2.24 0.41	44.08 -2.47 0.00	43.60 -2.44 0.00	43.39 -2.50 0.45	42.06 -2.52 0.42	43.03 -2.46 1.86	47.17 -2.73 2.54	50.36 -3.36 7.30	56.13 -3.69 13.93	57.64 -3.41 9.96	58.37 -3.04 3.23	49.56 -2.43 2.05	43.85 -2.33 1.27	41.96 -2.41 0.34
SOUTH CAIRO___GT 23612	44.09 2.34 0.00	37.80 2.11 0.00	34.47 1.95 0.00	33.26 1.88 0.00	33.92 1.89 0.00	35.20 1.84 0.00	41.40 2.16 0.00	45.43 2.16 -0.05	47.11 2.29 0.00	47.42 2.13 0.00	48.94 2.20 0.00	48.36 1.82 0.00	47.84 1.80 0.00	48.93 2.09 -0.50	49.56 2.12 -2.43	52.63 2.37 -2.91	58.85 2.94 -3.48	71.19 4.27 -5.91	81.29 5.61 -1.93	80.13 5.75 -3.36	80.44 4.59 -11.22	62.71 3.51 -5.15	54.91 2.89 -4.57	47.91 2.55 -0.64
SOUTH HAMPTN___IC 23720	45.53 3.84 0.06	39.15 3.46 0.00	35.35 2.83 0.00	34.08 2.70 0.00	34.79 2.76 0.00	36.17 2.80 0.00	42.67 3.49 0.06	49.15 4.80 -1.14	50.22 5.38 -0.02	52.43 5.71 -1.43	53.18 6.07 -0.37	53.56 5.82 -1.20	58.44 5.94 -6.46	56.46 6.12 -4.01	56.16 6.07 -5.08	61.07 5.92 -7.80	71.10 5.98 -12.69	95.59 7.26 -27.33	94.77 8.62 -12.40	85.55 7.39 -7.15	75.56 5.82 -5.10	61.44 5.03 -2.37	54.01 4.46 -2.10	50.58 5.59 -0.27
SOUTHDOW__115KV_TB1 355954	23.01 -4.38 14.36	20.76 -4.03 10.90	18.91 -3.67 9.93	18.39 -3.45 9.54	18.68 -3.65 9.70	19.41 -3.77 10.19	21.13 -4.47 13.63	24.61 -4.84 13.77	26.55 -4.66 13.61	27.01 -4.57 13.71	27.25 -5.10 14.40	27.62 -5.02 13.90	27.28 -5.02 13.74	27.41 -5.00 13.92	26.47 -5.00 13.54	28.64 -4.74 13.98	30.28 -5.24 16.91	34.35 -6.41 20.26	39.86 -7.15 26.74	41.60 -6.46 22.95	40.89 -5.82 17.92	36.00 -4.59 13.45	31.99 -4.08 11.39	29.61 -4.02 11.08
SOUTHOLD_69_KV_BK 2 55809	46.20 4.51 0.06	39.69 4.00 0.00	35.80 3.28 0.00	34.49 3.11 0.00	35.17 3.14 0.00	36.57 3.20 0.00	42.98 3.81 0.06	49.50 5.14 -1.14	50.40 5.56 -0.02	52.57 5.84 -1.43	53.38 6.26 -0.37	53.84 6.10 -1.20	58.72 6.22 -6.46	56.79 6.44 -4.01	56.53 6.44 -5.08	61.50 6.35 -7.80	71.62 6.50 -12.69	96.21 7.87 -27.33	95.52 9.37 -12.40	86.40 8.24 -7.15	76.07 6.33 -5.10	61.93 5.51 -2.37	54.25 4.70 -2.10	50.76 5.77 -0.27
SOUTHOLD___IC 23719	45.74 4.05 0.06	39.33 3.64 0.00	35.48 2.96 0.00	34.17 2.79 0.00	34.85 2.82 0.00	36.20 2.83 0.00	42.63 3.45 0.06	49.24 4.88 -1.14	50.35 5.51 -0.02	52.57 5.84 -1.43	53.38 6.27 -0.37	53.84 6.10 -1.20	58.71 6.21 -6.46	56.79 6.44 -4.01	56.52 6.44 -5.08	61.54 6.39 -7.80	71.62 6.50 -12.69	96.27 7.93 -27.33	95.52 9.37 -12.40	86.19 8.02 -7.15	76.00 6.27 -5.10	61.82 5.40 -2.37	54.15 4.60 -2.10	50.67 5.68 -0.27
SOUTH_FORK_WT_PWR 323839	45.49 3.80 0.06	39.15 3.46 0.00	35.28 2.76 0.00	33.95 2.57 0.00	34.62 2.59 0.00	35.94 2.57 0.00	42.28 3.10 0.06	48.89 4.54 -1.14	49.95 5.11 -0.02	52.20 5.48 -1.43	52.95 5.84 -0.37	53.42 5.68 -1.20	58.30 5.80 -6.46	56.37 6.02 -4.01	56.12 6.03 -5.08	61.12 5.97 -7.80	71.15 6.03 -12.69	95.66 7.32 -27.33	94.77 8.62 -12.40	85.48 7.32 -7.15	75.30 5.56 -5.10	61.22 4.81 -2.37	53.63 4.08 -2.10	50.22 5.23 -0.27

SPIERFLS_115KV_TB 1 80737	44.72 2.96 0.00	38.37 2.68 0.00	34.96 2.44 0.00	33.73 2.35 0.00	34.43 2.40 0.00	35.84 2.47 0.00	42.26 3.02 0.00	46.86 3.54 -0.10	48.32 3.50 0.00	48.96 3.67 0.00	50.58 3.83 0.00	49.57 3.03 0.00	48.76 2.72 0.00	49.40 2.59 -0.46	49.36 2.12 -2.24	50.78 0.76 -2.67	56.93 1.31 -3.18	65.52 2.32 -2.19	77.29 3.54 0.00	78.18 4.19 -2.97	91.22 4.27 -22.33	67.70 3.41 -10.24	59.48 2.94 -9.09	49.93 3.94 -1.27
ST LAWRENCE____ 23600	41.50 -0.25 0.00	35.30 -0.39 0.00	32.13 -0.39 0.00	31.00 -0.38 0.00	31.58 -0.45 0.00	32.97 -0.40 0.00	38.77 -0.47 0.00	42.62 -0.61 0.00	44.15 -0.67 0.00	44.56 -0.73 0.00	46.00 -0.75 0.00	45.85 -0.70 0.00	45.35 -0.69 0.00	45.60 -0.74 0.00	44.29 -0.72 0.00	46.45 -0.90 0.00	51.44 -1.00 0.00	59.61 -1.40 0.00	71.91 -1.84 0.00	69.24 -1.77 0.00	63.08 -1.55 0.00	52.81 -1.24 0.00	46.50 -0.95 0.00	43.92 -0.80 0.00
STATE_CA_115KV_115_LB 55624	42.84 1.09 0.00	36.80 1.11 0.00	33.56 1.04 0.00	32.38 1.00 0.00	33.06 1.02 0.00	34.40 1.03 0.00	40.41 1.18 0.00	44.81 1.51 -0.07	46.31 1.48 0.00	46.83 1.54 0.00	48.33 1.59 0.00	47.85 1.30 0.00	47.33 1.29 0.00	48.18 1.34 -0.50	48.61 1.17 -2.43	51.39 1.14 -2.90	57.93 1.36 -4.13	65.73 2.01 -2.71	76.19 2.43 0.00	77.18 2.49 -3.68	83.43 2.26 -16.54	63.53 1.89 -7.59	55.85 1.66 -6.73	47.18 1.52 -0.94
STATE_ST_34_KV_LOAD 55959	42.73 -0.46 -1.44	36.97 -0.32 -1.60	33.71 -0.26 -1.45	32.52 -0.25 -1.39	33.07 -0.19 -1.23	34.76 -0.10 -1.49	40.58 -0.24 -1.58	44.60 -0.48 -1.86	46.55 -0.31 -2.04	47.03 -0.32 -2.06	48.26 -0.56 -2.08	47.66 -0.65 -1.77	47.10 -0.69 -1.75	47.73 -0.70 -2.09	46.31 -0.72 -2.02	48.48 -0.62 -1.74	54.08 -0.63 -2.27	66.77 -0.61 -6.37	86.96 -0.44 -13.65	79.99 -0.28 -9.26	66.81 -0.19 -2.37	55.76 -0.05 -1.77	48.74 -0.28 -1.58	46.04 -0.45 -1.77
STATION 5_MISC_HYD 23604	36.73 -2.88 2.14	31.09 -2.46 2.14	28.32 -2.24 1.95	27.40 -2.10 1.87	27.97 -2.15 1.92	29.20 -2.17 2.00	34.44 -2.78 2.01	37.88 -2.94 2.40	39.52 -2.64 2.66	39.94 -2.67 2.68	40.96 -3.09 2.70	40.51 -3.30 2.73	40.02 -3.32 2.70	40.28 -3.34 2.73	39.48 -2.88 2.65	39.82 -3.08 4.46	43.17 -3.67 5.59	48.92 -4.27 7.82	52.41 -4.79 16.55	54.02 -4.40 12.59	54.78 -3.94 5.91	46.77 -3.19 4.09	41.44 -3.08 2.93	39.99 -3.17 1.56
STA_168_34_KV_BK1_2_REV_LBMP_B 345032	39.64 -2.34 -0.22	33.28 -2.03 0.37	30.34 -1.85 0.33	29.32 -1.76 0.30	30.30 -1.73 0.00	31.30 -1.74 0.34	36.97 -2.12 0.15	40.53 -2.33 0.35	42.25 -2.06 0.52	42.69 -2.08 0.52	43.82 -2.43 0.49	43.89 -2.65 0.00	43.37 -2.67 0.00	43.08 -2.73 0.53	41.76 -2.75 0.50	42.71 -2.65 1.99	46.71 -2.99 2.73	46.70 -3.17 11.13	44.65 -3.27 25.56	50.50 -4.83 17.25	58.55 -2.91 3.18	49.73 -2.32 2.00	43.98 -2.23 1.24	41.56 -2.28 0.88
STA_56_34_KV_BUS2_REV_LBMP_B 345033	39.01 -2.96 -0.23	32.64 -2.57 0.48	29.76 -2.34 0.42	28.79 -2.20 0.39	29.82 -2.21 0.00	30.70 -2.24 0.43	36.24 -2.75 0.25	39.73 -3.03 0.47	41.49 -2.69 0.64	41.92 -2.72 0.65	42.99 -3.13 0.62	43.21 -3.35 -0.02	42.74 -3.31 -0.02	42.30 -3.38 0.66	40.96 -3.42 0.63	41.63 -3.31 2.41	45.38 -3.72 3.33	46.99 -4.58 9.45	52.01 -5.16 16.58	54.23 -4.83 11.95	56.06 -4.40 4.18	47.87 -3.57 2.62	42.56 -3.27 1.62	41.00 -3.31 0.41
STA_56____34_KV_BUS2 355983	39.01 -2.96 -0.23	32.64 -2.57 0.48	29.76 -2.34 0.42	28.79 -2.20 0.39	29.82 -2.21 0.00	30.70 -2.24 0.43	36.24 -2.75 0.25	39.73 -3.03 0.47	41.49 -2.69 0.64	41.92 -2.72 0.65	42.99 -3.13 0.62	43.21 -3.35 -0.02	42.74 -3.31 -0.02	42.30 -3.38 0.66	40.96 -3.42 0.63	41.63 -3.31 2.41	45.38 -3.72 3.33	46.99 -4.58 9.45	52.01 -5.16 16.58	54.23 -4.83 11.95	56.06 -4.40 4.18	47.87 -3.57 2.62	42.56 -3.27 1.62	41.00 -3.31 0.41
STA_67____115KV_BK2 355882	37.52 -2.96 1.27	31.59 -2.57 1.53	28.79 -2.34 1.39	27.82 -2.23 1.33	28.61 -2.21 1.21	29.67 -2.27 1.42	35.08 -2.79 1.37	38.46 -3.07 1.69	40.17 -2.73 1.92	40.55 -2.81 1.93	41.58 -3.23 1.93	41.43 -3.40 1.72	40.93 -3.41 1.70	40.95 -3.43 1.96	39.59 -3.51 1.90	40.25 -3.41 3.70	43.85 -3.83 4.76	47.59 -4.64 8.79	51.95 -5.24 16.56	53.51 -4.90 12.61	54.31 -4.40 5.92	46.37 -3.57 4.11	41.23 -3.27 2.94	39.84 -3.31 1.57
STA_7____115KV_9TRANS 80674	37.80 -2.67 1.28	31.80 -2.36 1.54	28.98 -2.15 1.40	28.00 -2.04 1.34	28.79 -2.02 1.22	29.90 -2.04 1.43	35.35 -2.51 1.37	38.80 -2.72 1.70	40.56 -2.33 1.93	40.99 -2.36 1.95	41.99 -2.80 1.95	41.79 -3.03 1.73	41.29 -3.04 1.71	41.26 -3.10 1.98	39.94 -3.15 1.92	40.61 -3.03 3.71	44.26 -3.41 4.77	48.07 -4.15 8.80	52.53 -4.65 16.57	54.13 -4.26 12.62	54.88 -3.81 5.94	46.85 -3.08 4.12	41.60 -2.89 2.95	40.19 -2.95 1.58
STA_82____115KV_TB1 80780	38.93 -3.01 -0.18	32.64 -2.61 0.45	29.75 -2.37 0.39	28.75 -2.26 0.37	29.79 -2.24 0.00	30.66 -2.30 0.41	36.18 -2.79 0.27	39.66 -3.11 0.45	41.45 -2.78 0.60	41.83 -2.85 0.60	42.89 -3.27 0.59	43.13 -3.44 -0.03	42.61 -3.45 -0.03	42.25 -3.48 0.61	40.87 -3.56 0.58	41.54 -3.46 2.36	45.30 -3.88 3.26	47.63 -4.70 8.69	53.91 -5.38 14.46	55.43 -4.97 10.61	55.96 -4.46 4.22	47.81 -3.62 2.62	42.51 -3.32 1.62	41.04 -3.35 0.33
STEEL____WIND 323596	21.15 -4.59 16.01	19.50 -3.93 12.27	17.79 -3.54 11.18	17.28 -3.36 10.74	17.56 -3.49 10.98	18.33 -3.57 11.47	19.56 -4.55 15.12	22.95 -4.88 15.39	24.79 -4.75 15.29	25.14 -4.75 15.40	25.38 -5.23 16.13	25.62 -5.21 15.71	25.26 -5.25 15.54	25.51 -5.19 15.64	25.30 -4.50 15.21	26.92 -4.83 15.61	27.83 -5.77 18.84	32.59 -6.77 21.64	36.47 -7.89 29.39	38.67 -7.17 25.17	38.50 -6.59 19.54	33.98 -5.35 14.72	30.03 -4.94 12.49	27.66 -4.92 12.14
STEPHTWN_115KV_BK_2 55603	42.96 1.21 0.00	36.90 1.21 0.00	33.66 1.14 0.00	32.51 1.13 0.00	33.15 1.12 0.00	34.50 1.13 0.00	40.57 1.33 0.00	44.88 1.60 -0.06	46.40 1.57 0.00	46.88 1.59 0.00	48.38 1.64 0.00	48.03 1.49 0.00	47.51 1.47 0.00	48.53 1.58 -0.61	49.38 1.40 -2.97	52.32 1.42 -3.55	58.23 1.57 -4.22	66.07 2.32 -2.74	76.63 2.88 0.00	77.65 2.91 -3.73	81.39 2.65 -14.10	62.74 2.22 -6.47	55.09 1.90 -5.74	47.22 1.70 -0.80
STEBEN_REC_LFGE 323667	69.49 -2.55 -30.28	62.17 -2.11 -28.58	56.58 -1.98 -26.04	54.16 -2.23 -25.01	55.22 -2.21 -25.40	57.81 -2.27 -26.71	65.14 -2.79 -28.69	72.91 -3.37 -33.06	77.62 -3.09 -35.89	78.08 -3.35 -36.14	79.56 -3.83 -36.65	79.30 -3.82 -36.57	78.53 -3.68 -36.17	79.33 -3.75 -36.74	76.74 -4.14 -35.87	74.53 -4.55 -31.72	86.85 -4.93 -39.35	92.82 -5.92 -37.73	124.89 -6.42 -57.55	114.82 -5.61 -49.41	93.41 -4.85 -33.63	79.87 -3.78 -29.60	70.99 -3.23 -26.76	67.81 -3.18 -26.27
STILLWATER____SOLAR 323814	43.96 2.21 0.00	37.69 2.00 0.00	34.37 1.85 0.00	33.20 1.82 0.00	33.86 1.82 0.00	35.23 1.87 0.00	41.55 2.31 0.00	45.95 2.64 -0.10	47.42 2.60 0.00	47.92 2.63 0.00	49.46 2.71 0.00	48.92 2.37 0.00	48.25 2.21 0.00	49.02 2.18 -0.51	49.30 1.85 -2.44	51.83 1.56 -2.92	57.79 1.88 -3.46	66.08 2.68 -2.39	77.36 3.61 0.00	78.09 3.83 -3.24	90.20 3.81 -21.75	67.22 3.19 -9.98	59.06 2.75 -8.86	48.78 2.82 -1.24

STONY___BROOK 24151	45.20 3.51 0.06	38.83 3.14 0.00	35.09 2.57 0.00	33.86 2.48 0.00	34.62 2.59 0.00	36.04 2.67 0.00	42.55 3.37 0.06	48.89 4.54 -1.14	49.91 5.06 -0.02	52.07 5.34 -1.43	52.76 5.65 -0.37	53.42 5.68 -1.20	58.26 5.75 -6.46	56.23 5.89 -4.01	55.85 5.76 -5.08	60.83 5.68 -7.80	70.79 5.66 -12.69	94.93 6.59 -27.33	93.96 7.81 -12.40	84.84 6.67 -7.15	75.43 5.69 -5.10	61.38 4.97 -2.37	53.87 4.32 -2.10	50.40 5.41 -0.27
STURGEON_POOL_HYD 23609	44.61 2.92 0.06	38.26 2.57 0.00	34.86 2.34 0.00	33.67 2.29 0.00	34.37 2.34 0.00	35.67 2.30 0.00	42.04 2.86 0.06	46.81 3.59 0.00	48.68 3.86 0.00	49.37 4.08 0.00	51.41 4.67 0.01	51.15 4.61 0.00	50.78 4.74 0.00	51.99 4.82 -0.84	54.19 5.13 -4.05	58.67 5.73 -5.58	67.07 6.45 -8.19	89.58 7.99 -20.57	92.68 9.74 -9.19	85.91 9.16 -5.74	79.12 7.89 -6.60	63.10 6.00 -3.05	55.24 5.08 -2.70	49.77 4.70 -0.35
ST_LAW_115_BK7_LBMP 345037	41.46 -0.29 0.00	35.26 -0.43 0.00	32.13 -0.39 0.00	30.97 -0.41 0.00	31.58 -0.45 0.00	32.93 -0.43 0.00	38.73 -0.51 0.00	42.62 -0.61 0.00	44.15 -0.67 0.00	44.52 -0.77 0.00	45.95 -0.79 0.00	45.80 -0.75 0.00	45.35 -0.69 0.00	45.55 -0.79 0.00	44.24 -0.77 0.00	46.41 -0.95 0.00	51.39 -1.05 0.00	59.49 -1.52 0.00	71.76 -1.99 0.00	69.10 -1.91 0.00	62.95 -1.68 0.00	52.75 -1.30 0.00	46.41 -1.04 0.00	43.87 -0.85 0.00
ST_LAW_115_BK8_LBMP 345038	41.46 -0.29 0.00	35.26 -0.43 0.00	32.13 -0.39 0.00	30.97 -0.41 0.00	31.58 -0.45 0.00	32.93 -0.43 0.00	38.73 -0.51 0.00	42.62 -0.61 0.00	44.15 -0.67 0.00	44.52 -0.77 0.00	45.95 -0.79 0.00	45.80 -0.75 0.00	45.35 -0.69 0.00	45.55 -0.79 0.00	44.24 -0.77 0.00	46.41 -0.95 0.00	51.39 -1.05 0.00	59.49 -1.52 0.00	71.76 -1.99 0.00	69.10 -1.91 0.00	62.95 -1.68 0.00	52.75 -1.30 0.00	46.41 -1.04 0.00	43.87 -0.85 0.00
ST_LAW_230_BK5_LBMP 345035	41.50 -0.25 0.00	35.30 -0.39 0.00	32.13 -0.39 0.00	31.00 -0.38 0.00	31.58 -0.45 0.00	32.97 -0.40 0.00	38.77 -0.47 0.00	42.62 -0.61 0.00	44.15 -0.67 0.00	44.56 -0.73 0.00	46.00 -0.75 0.00	45.85 -0.70 0.00	45.35 -0.69 0.00	45.60 -0.74 0.00	44.29 -0.72 0.00	46.45 -0.90 0.00	51.44 -1.00 0.00	59.61 -1.40 0.00	71.91 -1.84 0.00	69.24 -1.77 0.00	63.08 -1.55 0.00	52.81 -1.24 0.00	46.50 -0.95 0.00	43.92 -0.80 0.00
ST_LAW_230_BK6_LBMP 345036	41.50 -0.25 0.00	35.30 -0.39 0.00	32.13 -0.39 0.00	31.00 -0.38 0.00	31.58 -0.45 0.00	32.97 -0.40 0.00	38.77 -0.47 0.00	42.62 -0.61 0.00	44.15 -0.67 0.00	44.56 -0.73 0.00	46.00 -0.75 0.00	45.85 -0.70 0.00	45.35 -0.69 0.00	45.60 -0.74 0.00	44.29 -0.72 0.00	46.45 -0.90 0.00	51.44 -1.00 0.00	59.61 -1.40 0.00	71.91 -1.84 0.00	69.24 -1.77 0.00	63.08 -1.55 0.00	52.81 -1.24 0.00	46.50 -0.95 0.00	43.92 -0.80 0.00
SUGRLOAF_69_KV_LOAD_REV_LBMP_G 345026	43.48 1.80 0.07	37.37 1.68 0.00	34.01 1.50 0.00	32.85 1.47 0.00	33.57 1.54 0.00	34.90 1.53 0.00	41.09 1.92 0.07	45.63 2.42 0.01	47.52 2.69 0.00	48.19 2.90 0.00	50.10 3.37 0.01	50.08 3.54 0.00	49.68 3.64 0.00	51.07 3.71 -1.02	53.73 3.78 -4.94	64.53 4.12 -13.05	86.50 4.61 -29.45	91.09 5.55 -24.53	91.29 6.64 -10.90	84.23 6.25 -6.96	74.58 5.17 -4.78	60.26 4.00 -2.21	52.83 3.42 -1.96	48.28 3.31 -0.25
SWANROAD_115KV_TB1 355699	24.13 -5.51 12.11	22.02 -4.71 8.96	20.13 -4.23 8.16	19.56 -3.99 7.84	20.04 -4.07 7.93	20.76 -4.24 8.37	22.34 -5.34 11.56	26.13 -5.83 11.26	28.39 -5.65 10.79	28.72 -5.71 10.86	28.89 -6.31 11.55	29.32 -6.28 10.94	28.87 -6.35 10.82	28.96 -6.35 11.03	27.84 -6.44 10.73	29.34 -6.39 11.62	30.65 -7.24 14.55	33.52 -8.72 18.76	37.69 -10.25 25.81	39.61 -9.80 21.61	39.55 -9.11 15.97	35.61 -7.13 11.31	31.74 -6.31 9.41	29.42 -6.13 9.17
SYNERGY___BIOGAS 323694	29.98 -3.63 8.14	26.24 -3.18 6.28	23.94 -2.86 5.72	23.19 -2.70 5.49	23.84 -2.69 5.50	24.77 -2.74 5.86	27.99 -3.41 7.83	31.67 -3.72 7.84	33.74 -3.41 7.68	34.02 -3.53 7.74	34.43 -4.16 8.15	34.46 -4.38 7.71	33.95 -4.47 7.62	33.98 -4.49 7.86	32.82 -4.55 7.64	34.12 -4.40 8.83	36.47 -4.93 11.04	39.87 -5.98 15.16	44.49 -6.71 22.55	46.50 -6.11 18.40	47.08 -5.49 12.06	41.06 -4.32 8.67	36.43 -3.99 7.04	34.31 -3.98 6.43
SYRACUSE___ENERGY_ST1 323597	41.29 -0.46 0.00	35.33 -0.36 0.00	32.19 -0.33 0.00	31.07 -0.31 0.00	31.77 -0.26 0.00	33.13 -0.23 0.00	38.88 -0.35 0.00	42.66 -0.56 0.00	44.42 -0.40 0.00	44.88 -0.41 0.00	46.18 -0.56 0.00	45.85 -0.70 0.00	45.35 -0.69 0.00	45.64 -0.70 0.00	44.34 -0.68 0.00	46.74 -0.62 0.00	51.75 -0.68 0.00	61.48 -0.61 -1.08	76.77 -0.59 -3.61	72.80 -0.50 -2.28	64.18 -0.45 0.00	53.73 -0.32 0.00	47.03 -0.43 0.00	44.38 -0.49 -0.15
SYRACUSE___ENERGY_ST2 323598	41.29 -0.46 0.00	35.33 -0.36 0.00	32.19 -0.33 0.00	31.07 -0.31 0.00	31.77 -0.26 0.00	33.13 -0.23 0.00	38.88 -0.35 0.00	42.66 -0.56 0.00	44.42 -0.40 0.00	44.88 -0.41 0.00	46.18 -0.56 0.00	45.85 -0.70 0.00	45.35 -0.69 0.00	45.64 -0.70 0.00	44.34 -0.68 0.00	46.74 -0.62 0.00	51.75 -0.68 0.00	61.48 -0.61 -1.08	76.77 -0.59 -3.61	72.80 -0.50 -2.28	64.18 -0.45 0.00	53.73 -0.32 0.00	47.03 -0.43 0.00	44.38 -0.49 -0.15
SYRACUSE___POWER 24017	41.25 -0.50 0.00	35.30 -0.39 0.00	32.16 -0.36 0.00	31.00 -0.38 0.00	31.71 -0.32 0.00	33.07 -0.30 0.00	38.81 -0.43 0.00	42.66 -0.56 0.00	44.38 -0.45 0.00	44.84 -0.45 0.00	46.14 -0.61 0.00	45.85 -0.70 0.00	45.35 -0.69 0.00	45.64 -0.70 0.00	44.34 -0.68 0.00	46.23 -0.57 0.55	51.06 -0.68 0.70	59.96 -0.61 0.44	73.67 -0.59 -0.51	70.40 -0.50 0.12	62.84 -0.52 1.28	52.89 -0.38 0.78	46.49 -0.47 0.48	44.27 -0.54 -0.09
TALLMAN__138KV_BK151 55660	43.69 2.00 0.07	37.55 1.86 0.00	34.18 1.66 0.00	33.01 1.63 0.00	33.76 1.73 0.00	35.07 1.70 0.00	41.33 2.16 0.06	45.89 2.68 0.01	47.83 3.00 0.00	48.60 3.31 0.00	50.57 3.83 0.01	50.59 4.05 0.00	50.18 4.14 0.00	51.64 4.26 -1.03	54.33 4.32 -5.00	62.38 4.69 -10.34	78.45 5.19 -20.82	92.91 6.22 -25.68	92.72 7.45 -11.52	85.09 7.03 -7.05	75.36 5.82 -4.91	60.81 4.49 -2.27	53.31 3.84 -2.02	48.69 3.71 -0.26
TEALLAVE_115KV_TB7 355573	41.04 -0.71 0.00	35.12 -0.57 0.00	32.03 -0.49 0.00	30.88 -0.50 0.00	31.58 -0.45 0.00	32.93 -0.43 0.00	38.65 -0.59 0.00	42.49 -0.73 0.00	44.20 -0.63 0.00	44.66 -0.63 0.00	45.95 -0.79 0.00	45.71 -0.84 0.00	45.17 -0.87 0.00	45.46 -0.88 0.00	44.16 -0.86 0.00	45.79 -0.81 0.76	50.59 -0.89 0.96	58.67 -0.92 1.43	70.69 -0.96 2.10	68.18 -0.92 1.91	62.07 -0.84 1.72	52.35 -0.65 1.05	46.09 -0.71 0.65	43.96 -0.76 0.00
TELGRAPH_34_KV_EAST 80808	27.39 -4.55 9.81	24.32 -3.93 7.44	22.20 -3.54 6.78	21.55 -3.33 6.51	22.11 -3.36 6.55	22.94 -3.47 6.95	25.52 -4.32 9.40	29.17 -4.71 9.34	31.29 -4.44 9.10	31.60 -4.53 9.16	31.93 -5.14 9.68	32.11 -5.26 9.18	31.67 -5.29 9.08	31.70 -5.33 9.31	30.56 -5.40 9.05	32.00 -5.26 10.10	33.87 -5.98 12.59	37.05 -7.26 16.70	41.42 -8.33 24.00	43.38 -7.81 19.82	43.74 -7.17 13.72	38.51 -5.68 9.87	34.26 -5.08 8.12	32.13 -4.96 7.63

TEMPLE___115KV_TB 2 55572	41.08 -0.67 0.00	35.16 -0.54 0.00	32.03 -0.49 0.00	30.91 -0.47 0.00	31.61 -0.42 0.00	32.97 -0.40 0.00	38.69 -0.55 0.00	42.49 -0.73 0.00	44.24 -0.58 0.00	44.70 -0.59 0.00	46.00 -0.75 0.00	45.71 -0.84 0.00	45.21 -0.83 0.00	45.50 -0.83 0.00	44.20 -0.81 0.00	45.82 -0.76 0.77	50.62 -0.84 0.97	58.64 -0.92 1.45	70.66 -0.96 2.14	68.22 -0.85 1.95	62.11 -0.78 1.75	52.38 -0.59 1.07	46.13 -0.66 0.66	43.96 -0.76 0.00
TIANA___69_KV_BK 1 55817	45.95 4.26 0.06	39.47 3.78 0.00	35.64 3.12 0.00	34.39 3.01 0.00	35.11 3.07 0.00	36.57 3.20 0.00	43.02 3.85 0.06	49.37 5.01 -1.14	50.22 5.38 -0.02	52.43 5.71 -1.43	53.14 6.03 -0.37	53.51 5.77 -1.20	58.39 5.89 -6.46	56.42 6.07 -4.01	56.08 5.99 -5.08	60.98 5.82 -7.80	70.94 5.82 -12.69	95.48 7.14 -27.33	94.63 8.48 -12.40	85.69 7.53 -7.15	75.62 5.88 -5.10	61.55 5.13 -2.37	54.06 4.51 -2.10	50.67 5.68 -0.27
TILDEN___115KV_TB1 80814	41.25 -0.50 0.00	35.30 -0.39 0.00	32.16 -0.36 0.00	31.00 -0.38 0.00	31.71 -0.32 0.00	33.07 -0.30 0.00	38.81 -0.43 0.00	42.66 -0.56 0.00	44.38 -0.45 0.00	44.84 -0.45 0.00	46.14 -0.61 0.00	45.85 -0.70 0.00	45.35 -0.69 0.00	45.64 -0.70 0.00	44.34 -0.68 0.00	46.23 -0.57 0.55	51.06 -0.68 0.70	59.96 -0.61 0.44	73.67 -0.59 -0.51	70.40 -0.50 0.12	62.84 -0.52 1.28	52.89 -0.38 0.78	46.49 -0.47 0.48	44.27 -0.54 -0.09
TRIGEN___CC 323695	44.61 2.92 0.06	38.30 2.61 0.00	34.73 2.21 0.00	33.54 2.17 0.00	34.27 2.24 0.00	35.70 2.34 0.00	42.08 2.90 0.06	48.07 3.72 -1.14	48.97 4.12 -0.02	51.12 4.39 -1.43	51.93 4.81 -0.37	52.77 5.03 -1.20	57.57 5.06 -6.46	55.49 5.14 -4.01	55.22 5.13 -5.07	60.40 5.26 -7.79	70.63 5.51 -12.69	95.13 6.77 -27.35	94.21 8.04 -12.42	85.48 7.31 -7.15	75.69 5.95 -5.11	61.28 4.86 -2.37	53.63 4.08 -2.10	49.68 4.70 -0.27
TRINITY___115KV___ 4 BK 55933	42.67 0.92 0.00	36.69 1.00 0.00	33.46 0.94 0.00	32.32 0.94 0.00	32.96 0.93 0.00	34.30 0.93 0.00	40.30 1.06 0.00	44.50 1.21 -0.07	45.99 1.17 0.00	46.51 1.22 0.00	47.96 1.22 0.00	47.75 1.21 0.00	47.24 1.20 0.00	48.26 1.30 -0.62	49.15 1.13 -3.02	52.04 1.09 -3.60	57.91 1.21 -4.27	65.50 1.77 -2.72	75.89 2.14 0.00	76.91 2.20 -3.70	81.05 1.94 -14.48	62.37 1.68 -6.64	54.82 1.47 -5.89	46.84 1.30 -0.82
UNION___PROCESSING_DRP 323587	37.47 -3.01 1.27	31.60 -2.61 1.48	28.80 -2.37 1.35	27.86 -2.23 1.29	28.62 -2.24 1.17	29.72 -2.27 1.38	35.08 -2.79 1.37	38.49 -3.07 1.66	40.19 -2.78 1.86	40.61 -2.81 1.87	41.64 -3.23 1.88	41.45 -3.44 1.65	40.95 -3.45 1.63	40.96 -3.48 1.90	39.65 -3.51 1.84	40.28 -3.46 3.62	43.89 -3.88 4.66	47.51 -4.70 8.81	51.85 -5.31 16.59	53.47 -4.97 12.58	54.32 -4.46 5.85	46.40 -3.62 4.02	41.25 -3.32 2.88	39.86 -3.31 1.55
UPPER HUDSON___HYD 24058	44.76 3.01 0.00	38.37 2.68 0.00	34.96 2.44 0.00	33.73 2.35 0.00	34.43 2.40 0.00	35.80 2.43 0.00	42.34 3.10 0.00	46.86 3.54 -0.10	48.32 3.50 0.00	48.96 3.67 0.00	50.58 3.83 0.00	49.57 3.02 0.00	48.76 2.72 0.00	49.39 2.59 -0.46	49.32 2.07 -2.24	50.78 0.76 -2.67	56.93 1.31 -3.18	65.52 2.32 -2.19	77.29 3.54 0.00	78.11 4.12 -2.97	91.22 4.26 -22.33	67.76 3.46 -10.24	59.49 2.94 -9.09	49.93 3.94 -1.27
UPPER RAQUET___HYD 24056	41.46 -0.29 0.00	35.19 -0.50 0.00	32.03 -0.49 0.00	30.88 -0.50 0.00	31.46 -0.58 0.00	32.83 -0.54 0.00	38.69 -0.55 0.00	42.57 -0.65 0.00	43.97 -0.85 0.00	44.29 -1.00 0.00	45.62 -1.12 0.00	45.43 -1.12 0.00	44.89 -1.15 0.00	44.76 -1.58 0.00	43.30 -1.71 0.00	45.18 -2.18 0.00	50.18 -2.25 0.00	58.08 -2.93 0.00	70.29 -3.47 0.00	67.61 -3.41 0.00	61.66 -2.97 0.00	51.62 -2.43 0.00	45.60 -1.85 0.00	43.33 -1.39 0.00
VALLEY44_115KV_TB2 355964	25.30 -3.05 13.40	23.02 -2.61 10.07	20.90 -2.44 9.18	20.28 -2.29 8.81	20.70 -2.37 8.96	21.55 -2.40 9.41	23.57 -2.94 12.72	27.20 -3.24 12.78	29.17 -3.09 12.57	29.56 -3.08 12.66	30.02 -3.41 13.32	30.41 -3.30 12.83	30.08 -3.27 12.69	30.29 -3.20 12.85	29.36 -3.15 12.50	31.41 -2.94 13.01	33.37 -3.30 15.76	37.78 -4.21 19.02	43.94 -4.79 25.02	45.22 -4.33 21.47	43.79 -4.07 16.77	38.25 -3.30 12.50	33.82 -3.08 10.55	31.35 -3.09 10.28
VALLEY___115KV_TB 1-4 80826	41.46 -0.29 0.00	35.51 -0.18 0.00	32.36 -0.16 0.00	31.19 -0.19 0.00	31.71 -0.32 0.00	32.97 -0.40 0.00	38.73 -0.51 0.00	42.36 -0.86 0.00	44.02 -0.81 0.00	44.57 -0.72 0.00	46.00 -0.75 0.00	45.85 -0.70 0.00	45.26 -0.78 0.00	45.50 -0.83 0.00	44.11 -0.90 0.00	46.69 -0.66 0.00	51.60 -0.84 0.00	60.16 -0.85 0.00	72.79 -0.96 0.00	70.02 -0.99 0.00	63.73 -0.90 0.00	53.29 -0.76 0.00	46.84 -0.62 0.00	44.14 -0.58 0.00
VINEGAR_115_KV_917_CH_LD_REV_LBMP_E 345011	42.96 1.42 0.21	37.08 1.39 0.00	33.79 1.27 0.00	32.63 1.26 0.00	33.31 1.28 0.00	34.67 1.30 0.00	40.56 1.53 0.20	45.05 1.90 0.07	46.84 2.02 0.00	47.28 1.99 0.00	48.67 1.96 0.04	48.55 2.00 0.00	47.88 1.84 0.00	48.24 1.81 -0.10	47.14 1.67 -0.46	49.80 1.89 -0.55	55.38 2.25 -0.69	65.80 2.87 -1.92	80.15 3.76 -2.64	76.26 3.27 -1.98	71.93 2.91 -4.39	58.51 2.38 -2.08	51.29 1.99 -1.84	46.86 1.88 -0.27
VISCHER___FERRY HYD 24020	43.38 1.63 0.00	37.22 1.53 0.00	34.01 1.50 0.00	32.82 1.44 0.00	33.51 1.47 0.00	34.87 1.50 0.00	41.04 1.81 0.00	45.38 2.07 -0.09	46.85 2.02 0.00	47.33 2.04 0.00	48.85 2.11 0.00	48.45 1.91 0.00	47.88 1.84 0.00	48.89 1.90 -0.66	49.80 1.62 -3.17	52.70 1.56 -3.79	58.68 1.78 -4.46	66.40 2.32 -3.07	76.71 2.95 0.00	78.10 2.91 -4.17	86.82 2.84 -19.35	65.42 2.49 -8.88	57.56 2.23 -7.88	47.84 2.01 -1.10
V_A_10_SYNC_DSASP 323832	26.81 -4.93 10.02	25.50 -4.21 5.98	23.26 -3.80 5.45	22.57 -3.58 5.23	23.13 -3.65 5.25	23.97 -3.80 5.59	24.98 -4.63 9.62	29.49 -5.14 8.59	32.27 -4.98 7.58	32.63 -5.03 7.64	32.84 -5.52 8.39	33.39 -5.54 7.61	32.94 -5.57 7.53	33.02 -5.56 7.75	31.89 -5.58 7.54	32.98 -5.54 8.84	35.07 -6.24 11.12	36.72 -7.50 16.79	42.48 -8.78 22.49	44.37 -8.38 18.26	43.39 -7.63 13.61	39.15 -6.16 8.74	34.88 -5.50 7.06	32.23 -5.37 7.13
V_CMM_10_SYNC_DSASP 323787	41.67 -0.08 0.00	35.44 -0.25 0.00	32.26 -0.26 0.00	31.10 -0.28 0.00	31.71 -0.32 0.00	33.10 -0.27 0.00	38.92 -0.31 0.00	42.83 -0.39 0.00	44.38 -0.45 0.00	44.75 -0.54 0.00	46.18 -0.56 0.00	46.08 -0.47 0.00	45.58 -0.46 0.00	45.78 -0.56 0.00	44.47 -0.54 0.00	46.69 -0.66 0.00	51.65 -0.79 0.00	59.55 -1.46 0.00	71.76 -1.99 0.00	69.17 -1.85 0.00	63.02 -1.62 0.00	52.81 -1.24 0.00	46.65 -0.81 0.00	44.09 -0.63 0.00
V_CMP_10_SYNC_DSASP 323788	42.00 0.25 0.00	35.69 0.00 0.00	32.45 -0.07 0.00	31.29 -0.09 0.00	31.87 -0.16 0.00	33.27 -0.10 0.00	38.88 -0.35 0.00	42.70 -0.52 0.00	44.15 -0.67 0.00	44.48 -0.82 0.00	45.90 -0.84 0.00	45.85 -0.70 0.00	45.40 -0.64 0.00	45.64 -0.70 0.00	44.38 -0.63 0.00	46.60 -0.76 0.00	51.49 -0.94 0.00	59.67 -1.34 0.00	71.76 -1.99 0.00	69.17 -1.85 0.00	63.02 -1.62 0.00	52.64 -1.41 0.00	46.36 -1.09 0.00	43.78 -0.94 0.00



V_D_10_SYNC_DSASP 323841	41.79 0.04 0.00	35.51 -0.18 0.00	32.36 -0.16 0.00	31.19 -0.19 0.00	31.77 -0.26 0.00	33.20 -0.17 0.00	39.04 -0.20 0.00	42.96 -0.26 0.00	44.51 -0.31 0.00	44.88 -0.41 0.00	46.28 -0.47 0.00	46.13 -0.42 0.00	45.63 -0.41 0.00	45.78 -0.56 0.00	44.47 -0.54 0.00	46.64 -0.71 0.00	51.60 -0.84 0.00	59.73 -1.28 0.00	72.06 -1.70 0.00	69.38 -1.63 0.00	63.28 -1.36 0.00	52.91 -1.14 0.00	46.65 -0.81 0.00	44.14 -0.58 0.00
V_E_10_SYNC_DSASP 323830	45.65 1.75 -2.14	39.58 1.57 -2.32	36.00 1.37 -2.11	34.69 1.29 -2.03	35.25 1.22 -2.01	36.84 1.30 -2.17	42.42 1.10 -2.08	47.10 1.30 -2.59	48.96 1.21 -2.92	49.00 0.77 -2.94	49.92 0.23 -2.89	49.66 0.23 -2.86	48.76 -0.14 -3.04	49.15 -0.23 -3.18	47.69 -0.50 -2.58	49.89 -0.05 -3.25	56.05 0.37 -3.83	66.00 1.16 -3.83	83.43 2.58 -7.10	78.88 2.20 -5.67	70.87 2.13 -4.10	58.91 1.89 -2.97	51.57 1.33 -2.79	48.18 1.21 -2.25
V_F_30_NSYNC___DSASP 323816	43.92 2.17 0.00	37.69 2.00 0.00	34.37 1.85 0.00	33.20 1.82 0.00	33.86 1.83 0.00	35.24 1.87 0.00	41.47 2.24 0.00	45.95 2.64 -0.10	47.43 2.60 0.00	47.96 2.67 0.00	49.50 2.76 0.00	48.96 2.42 0.00	48.30 2.26 0.00	49.04 2.22 -0.48	49.28 1.94 -2.33	51.84 1.70 -2.78	57.74 1.99 -3.31	66.09 2.81 -2.28	77.44 3.69 0.00	78.08 3.98 -3.09	90.58 3.88 -22.07	67.42 3.24 -10.13	59.24 2.80 -8.99	48.79 2.82 -1.26
V_F_30_SYNC_DSASP 323786	42.84 1.09 0.00	36.80 1.11 0.00	33.56 1.04 0.00	32.38 1.00 0.00	33.06 1.02 0.00	34.40 1.03 0.00	40.41 1.18 0.00	44.81 1.51 -0.07	46.31 1.48 0.00	46.83 1.54 0.00	48.33 1.59 0.00	47.85 1.30 0.00	47.33 1.29 0.00	48.19 1.34 -0.51	48.63 1.17 -2.45	51.41 1.14 -2.92	57.94 1.36 -4.14	65.73 2.01 -2.71	76.19 2.43 0.00	77.18 2.49 -3.68	83.27 2.26 -16.37	63.45 1.89 -7.51	55.78 1.66 -6.66	47.13 1.48 -0.93
V_XM_10_SYNC_DSASP 323789	42.00 0.25 0.00	35.69 0.00 0.00	32.45 -0.07 0.00	31.29 -0.09 0.00	31.87 -0.16 0.00	33.27 -0.10 0.00	38.88 -0.35 0.00	42.70 -0.52 0.00	44.15 -0.67 0.00	44.48 -0.82 0.00	45.90 -0.84 0.00	45.85 -0.70 0.00	45.40 -0.64 0.00	45.64 -0.70 0.00	44.38 -0.63 0.00	46.60 -0.76 0.00	51.49 -0.94 0.00	59.67 -1.34 0.00	71.76 -1.99 0.00	69.17 -1.85 0.00	63.02 -1.62 0.00	52.64 -1.41 0.00	46.36 -1.09 0.00	43.78 -0.94 0.00
W.BABYLN_69_KV_BK1 56697	45.66 3.97 0.06	39.19 3.50 0.00	35.41 2.89 0.00	34.20 2.82 0.00	34.95 2.91 0.00	36.40 3.04 0.00	42.90 3.73 0.06	49.11 4.75 -1.14	50.00 5.16 -0.02	52.16 5.43 -1.43	52.91 5.80 -0.37	53.70 5.96 -1.20	58.53 6.03 -6.46	56.47 6.12 -4.01	56.12 6.03 -5.08	61.26 6.11 -7.80	71.41 6.29 -12.69	96.03 7.69 -27.33	95.30 9.15 -12.40	86.47 8.31 -7.15	76.52 6.79 -5.10	62.20 5.78 -2.37	54.44 4.89 -2.10	50.71 5.72 -0.27
W.NYACK_69_KV_BK 521_REV_LBMP_G 345027	43.82 2.13 0.07	37.65 1.96 0.00	34.27 1.76 0.00	33.11 1.73 0.00	33.86 1.83 0.00	35.17 1.80 0.00	41.41 2.24 0.06	46.02 2.81 0.01	47.96 3.14 0.00	48.73 3.44 0.00	50.71 3.97 0.01	50.69 4.14 0.00	50.28 4.24 0.00	51.73 4.36 -1.04	54.49 4.46 -5.02	61.51 4.83 -9.32	75.39 5.35 -17.60	93.42 6.41 -26.01	93.11 7.67 -11.69	85.33 7.24 -7.07	75.59 6.01 -4.95	60.99 4.65 -2.29	53.47 3.99 -2.03	48.82 3.85 -0.26
W49TH_ST_138_KV_38M43_REV_LBMP_J 345008	44.11 2.42 0.06	37.90 2.21 0.00	34.50 1.98 0.00	33.36 1.98 0.00	34.14 2.11 0.00	35.44 2.07 0.00	41.81 2.63 0.06	46.59 3.37 0.01	48.68 3.86 0.00	49.46 4.17 0.00	51.53 4.77 -0.01	53.07 5.03 -1.49	58.71 5.11 -7.56	61.66 5.24 -10.08	63.98 5.27 -13.71	81.70 5.59 -28.76	94.86 6.19 -36.23	98.18 7.44 -29.72	98.15 8.85 -15.55	91.06 8.38 -11.66	80.71 7.05 -9.03	61.89 5.46 -2.38	57.50 4.70 -5.35	49.47 4.47 -0.28
W50THST__13_KV_LOAD 356117	44.28 2.59 0.06	38.01 2.32 0.00	34.63 2.11 0.00	33.48 2.10 0.00	34.24 2.21 0.00	35.57 2.20 0.00	42.00 2.83 0.06	46.85 3.63 0.01	48.91 4.08 0.00	49.73 4.44 0.00	51.81 5.05 -0.01	53.39 5.35 -1.49	59.08 5.48 -7.56	62.03 5.61 -10.08	64.34 5.63 -13.71	82.13 6.01 -28.76	95.33 6.66 -36.23	98.66 7.93 -29.72	98.74 9.44 -15.55	91.62 8.95 -11.66	81.16 7.50 -9.03	62.16 5.73 -2.38	57.79 4.98 -5.35	49.69 4.70 -0.28
WADING RIVER_IC_1 23522	45.28 3.59 0.06	38.94 3.25 0.00	35.15 2.63 0.00	33.92 2.54 0.00	34.66 2.63 0.00	36.07 2.70 0.00	42.55 3.37 0.06	48.94 4.58 -1.14	49.95 5.11 -0.02	52.16 5.43 -1.43	52.81 5.70 -0.37	53.05 5.30 -1.20	57.89 5.38 -6.46	55.91 5.56 -4.01	55.53 5.44 -5.08	60.31 5.16 -7.80	70.16 5.03 -12.69	94.56 6.23 -27.33	93.45 7.30 -12.40	84.41 6.25 -7.15	74.71 4.98 -5.10	60.74 4.33 -2.37	53.54 3.99 -2.10	50.31 5.32 -0.27
WADING RIVER_IC_2 23547	45.28 3.59 0.06	38.94 3.25 0.00	35.15 2.63 0.00	33.92 2.54 0.00	34.66 2.63 0.00	36.07 2.70 0.00	42.55 3.37 0.06	48.94 4.58 -1.14	49.95 5.11 -0.02	52.16 5.43 -1.43	52.81 5.70 -0.37	53.05 5.30 -1.20	57.89 5.38 -6.46	55.91 5.56 -4.01	55.53 5.44 -5.08	60.31 5.16 -7.80	70.16 5.03 -12.69	94.56 6.23 -27.33	93.45 7.30 -12.40	84.41 6.25 -7.15	74.71 4.98 -5.10	60.74 4.33 -2.37	53.54 3.99 -2.10	50.31 5.32 -0.27
WADING RIVER_IC_3 23601	45.28 3.59 0.06	38.94 3.25 0.00	35.15 2.63 0.00	33.92 2.54 0.00	34.66 2.63 0.00	36.07 2.70 0.00	42.55 3.37 0.06	48.94 4.58 -1.14	49.95 5.11 -0.02	52.16 5.43 -1.43	52.81 5.70 -0.37	53.05 5.30 -1.20	57.89 5.38 -6.46	55.91 5.56 -4.01	55.53 5.44 -5.08	60.31 5.16 -7.80	70.16 5.03 -12.69	94.56 6.23 -27.33	93.45 7.30 -12.40	84.41 6.25 -7.15	74.71 4.98 -5.10	60.74 4.33 -2.37	53.54 3.99 -2.10	50.31 5.32 -0.27
WALDENNY_12_KV_BK2 80841	21.82 -4.68 15.26	19.99 -4.03 11.67	18.21 -3.67 10.63	17.69 -3.48 10.21	18.10 -3.56 10.37	18.79 -3.67 10.90	20.23 -4.51 14.50	23.63 -4.93 14.66	25.57 -4.75 14.50	25.93 -4.76 14.60	26.13 -5.28 15.33	26.50 -5.26 14.79	26.12 -5.29 14.62	26.27 -5.24 14.83	25.32 -5.27 14.43	27.32 -5.16 14.87	28.64 -5.77 18.03	32.16 -7.14 21.71	36.50 -8.26 28.99	38.50 -7.74 24.77	38.30 -7.17 19.16	33.97 -5.73 14.35	30.22 -5.08 12.16	27.89 -5.01 11.82
WALDEN___HYDRO 24148	43.73 2.05 0.07	37.55 1.86 0.00	34.18 1.66 0.00	33.04 1.66 0.00	33.76 1.73 0.00	35.07 1.70 0.00	41.29 2.12 0.06	45.81 2.59 0.01	47.69 2.87 0.00	48.42 3.13 0.00	50.33 3.60 0.01	50.22 3.68 0.00	49.82 3.78 0.00	51.22 3.89 -0.99	53.82 4.01 -4.80	58.90 4.36 -7.18	68.87 4.98 -11.46	91.76 6.04 -24.71	92.13 7.30 -11.07	84.71 6.89 -6.80	75.48 5.82 -5.03	60.81 4.43 -2.33	53.32 3.80 -2.07	48.61 3.62 -0.26
WARRENSBURG____ 23737	44.72 2.96 0.00	38.37 2.68 0.00	34.96 2.44 0.00	33.73 2.35 0.00	34.43 2.40 0.00	35.84 2.47 0.00	42.26 3.02 0.00	46.86 3.54 -0.10	48.32 3.50 0.00	48.96 3.67 0.00	50.58 3.83 0.00	49.57 3.03 0.00	48.76 2.72 0.00	49.40 2.59 -0.46	49.36 2.12 -2.24	50.78 0.76 -2.67	56.93 1.31 -3.18	65.52 2.32 -2.19	77.29 3.54 0.00	78.18 4.19 -2.97	91.22 4.27 -22.33	67.70 3.41 -10.24	59.48 2.94 -9.09	49.93 3.94 -1.27

WATERSIDE___6 8 9 23538	44.19 2.51 0.06	37.94 2.25 0.00	34.63 2.11 0.00	33.48 2.10 0.00	34.24 2.21 0.00	35.44 2.07 0.00	41.81 2.63 0.06	46.59 3.37 0.01	48.68 3.86 0.00	49.50 4.21 0.00	51.57 4.81 -0.01	53.02 4.93 -1.54	58.79 4.97 -7.78	61.73 5.05 -10.35	64.01 5.04 -13.96	82.08 5.35 -29.37	95.28 5.93 -36.92	97.82 7.02 -29.79	97.80 8.41 -15.64	90.83 8.02 -11.79	80.43 6.66 -9.14	61.78 5.35 -2.38	57.50 4.60 -5.44	49.51 4.52 -0.28
WATKINRD_115KV_LN8_ILLION 55919	41.63 -0.13 0.00	35.62 -0.07 0.00	32.45 -0.07 0.00	31.29 -0.09 0.00	31.87 -0.16 0.00	33.17 -0.20 0.00	38.96 -0.27 0.00	43.18 -0.04 0.00	44.74 -0.09 0.00	45.20 -0.09 0.00	46.60 -0.14 0.00	46.40 -0.14 0.00	45.86 -0.18 0.00	46.15 -0.19 0.00	44.79 -0.23 0.00	46.98 -0.38 0.00	52.02 -0.42 0.00	60.58 -0.43 0.00	73.31 -0.44 0.00	70.52 -0.50 0.00	64.18 -0.45 0.00	53.67 -0.38 0.00	47.17 -0.28 0.00	44.45 -0.27 0.00
WDELAWARE___HYD 323627	43.60 1.92 0.07	37.44 1.75 0.00	34.05 1.53 0.00	32.92 1.54 0.00	33.60 1.57 0.00	34.87 1.50 0.00	41.09 1.92 0.07	45.67 2.46 0.01	47.52 2.69 0.00	48.15 2.86 0.00	50.00 3.27 0.01	49.85 3.30 0.00	49.40 3.36 0.00	50.43 3.43 -0.67	51.83 3.60 -3.22	55.27 4.07 -3.84	61.74 4.67 -4.64	86.51 5.92 -19.58	90.11 7.23 -9.12	82.33 6.75 -4.57	75.49 5.82 -5.04	60.65 4.27 -2.34	53.23 3.70 -2.07	48.43 3.44 -0.26
WEST BABYLON___IC 23714	45.66 3.97 0.06	39.19 3.50 0.00	35.41 2.89 0.00	34.20 2.82 0.00	34.95 2.91 0.00	36.40 3.04 0.00	42.90 3.73 0.06	49.11 4.75 -1.14	50.00 5.16 -0.02	52.16 5.43 -1.43	52.91 5.80 -0.37	53.70 5.96 -1.20	58.53 6.03 -6.46	56.47 6.12 -4.01	56.12 6.03 -5.08	61.26 6.11 -7.80	71.41 6.29 -12.69	96.03 7.69 -27.33	95.30 9.15 -12.40	86.47 8.31 -7.15	76.52 6.79 -5.10	62.20 5.78 -2.37	54.44 4.89 -2.10	50.71 5.72 -0.27
WEST CANADA___HYD 24049	41.88 0.13 0.00	35.83 0.14 0.00	32.65 0.13 0.00	31.51 0.13 0.00	32.16 0.13 0.00	33.50 0.13 0.00	39.40 0.16 0.00	43.39 0.17 0.00	45.01 0.18 0.00	45.47 0.18 0.00	46.93 0.19 0.00	46.73 0.19 0.00	46.18 0.14 0.00	46.48 0.14 0.00	45.15 0.14 0.00	47.50 0.14 0.00	52.65 0.21 0.00	61.32 0.31 0.00	74.12 0.37 0.00	71.30 0.29 0.00	64.89 0.26 0.00	54.27 0.22 0.00	47.64 0.19 0.00	44.90 0.18 0.00
WESTERN_NY_WIND 24143	29.20 -3.76 8.80	25.71 -3.25 6.73	23.46 -2.93 6.13	22.73 -2.76 5.88	23.33 -2.79 5.91	24.24 -2.84 6.29	27.26 -3.53 8.44	31.00 -3.80 8.42	33.09 -3.50 8.24	33.37 -3.62 8.30	33.74 -4.25 8.75	33.75 -4.51 8.28	33.29 -4.56 8.19	33.33 -4.59 8.42	32.18 -4.64 8.19	33.53 -4.50 9.33	35.70 -5.09 11.65	39.09 -6.16 15.76	43.77 -6.86 23.12	45.74 -6.32 18.96	46.24 -5.69 12.70	40.43 -4.49 9.14	35.91 -4.08 7.46	33.71 -4.11 6.90
WESTOVER___LESR 323668	43.25 0.13 -1.37	37.59 0.18 -1.72	34.25 0.16 -1.57	33.04 0.16 -1.50	33.70 0.19 -1.47	35.24 0.27 -1.61	40.78 0.20 -1.35	45.27 0.22 -1.83	47.35 0.36 -2.17	47.79 0.32 -2.19	49.13 0.23 -2.15	48.90 0.23 -2.12	48.37 0.23 -2.10	48.84 0.23 -2.27	47.64 0.23 -2.40	49.49 0.33 -1.80	55.10 0.37 -2.30	64.22 0.55 -2.66	80.11 0.89 -5.47	76.17 0.85 -4.31	68.11 0.71 -2.77	56.79 0.65 -2.09	49.91 0.43 -2.03	46.67 0.31 -1.64
WETHRSFD_WT_PWR 323626	-0.38 -3.88 38.25	-0.53 -3.18 33.04	-0.53 -2.93 30.12	-0.53 -2.98 28.93	-0.53 -2.98 29.58	-0.53 -3.00 30.89	-0.53 -3.73 36.04	-0.53 -4.28 39.47	-0.68 -4.08 41.42	-0.64 -4.21 41.72	-0.71 -4.63 42.83	-0.72 -4.70 42.56	-0.66 -4.60 42.09	-0.67 -4.63 42.37	-0.53 -4.32 41.22	3.72 -4.69 38.94	-0.53 -5.19 47.77	8.46 -6.41 46.15	4.29 -7.30 62.16	8.38 -6.75 55.89	13.87 -6.01 44.76	12.09 -4.81 37.15	10.35 -4.51 32.59	8.96 -4.43 31.33
WHAVSTOR_138KV_BK127 55557	43.69 2.00 0.07	37.51 1.82 0.00	34.18 1.66 0.00	33.01 1.63 0.00	33.76 1.73 0.00	35.07 1.70 0.00	41.29 2.12 0.06	45.89 2.68 0.01	47.83 3.00 0.00	48.60 3.31 0.00	50.52 3.79 0.01	50.55 4.00 0.00	50.14 4.10 0.00	51.59 4.22 -1.04	54.31 4.28 -5.02	61.10 4.59 -9.15	74.62 5.14 -17.05	93.19 6.10 -26.08	92.78 7.30 -11.73	84.98 6.89 -7.08	75.34 5.75 -4.96	60.78 4.43 -2.30	53.29 3.80 -2.04	48.69 3.71 -0.26
WHAVSTOR_138_KV_BK127_REV_LBMP_G 345015	43.69 2.00 0.07	37.51 1.82 0.00	34.18 1.66 0.00	33.01 1.63 0.00	33.76 1.73 0.00	35.07 1.70 0.00	41.29 2.12 0.06	45.89 2.68 0.01	47.83 3.00 0.00	48.60 3.31 0.00	50.52 3.79 0.01	50.55 4.00 0.00	50.14 4.10 0.00	51.59 4.22 -1.04	54.31 4.28 -5.02	61.10 4.59 -9.15	74.62 5.14 -17.05	93.19 6.10 -26.08	92.78 7.30 -11.73	84.98 6.89 -7.08	75.34 5.75 -4.96	60.78 4.43 -2.30	53.29 3.80 -2.04	48.69 3.71 -0.26
WHITEHAL_115KV_TB1 80871	45.39 3.63 0.00	38.94 3.25 0.00	35.48 2.96 0.00	34.23 2.86 0.00	34.91 2.88 0.00	36.37 3.00 0.00	42.93 3.69 0.00	47.60 4.28 -0.10	48.99 4.17 0.00	49.64 4.35 0.00	51.28 4.53 0.00	50.22 3.68 0.00	49.31 3.27 0.00	49.96 3.15 -0.47	49.87 2.57 -2.29	51.56 1.47 -2.73	57.79 2.10 -3.25	66.79 3.54 -2.24	78.84 5.09 0.00	80.09 6.04 -3.04	92.95 6.14 -22.18	69.15 4.92 -10.18	60.61 4.13 -9.03	50.81 4.83 -1.26
WHITEPLN_13_KV_LOAD 356215	44.28 2.59 0.06	38.05 2.36 0.00	34.63 2.11 0.00	33.48 2.10 0.00	34.21 2.18 0.00	35.54 2.17 0.00	41.96 2.79 0.06	46.67 3.46 0.01	48.68 3.86 0.00	49.59 4.30 0.00	51.64 4.91 0.01	51.80 5.26 0.00	51.43 5.39 0.00	52.99 5.61 -1.05	55.80 5.72 -5.07	61.42 6.16 -7.91	72.41 6.92 -13.05	96.37 8.11 -27.24	95.91 9.81 -12.35	87.46 9.30 -7.14	77.17 7.43 -5.10	61.98 5.57 -2.36	54.25 4.70 -2.09	49.46 4.47 -0.27
WM_FLOYD_69_KV_BK2 356380	45.74 4.05 0.06	39.26 3.57 0.00	35.48 2.96 0.00	34.27 2.89 0.00	35.01 2.98 0.00	36.47 3.10 0.00	42.94 3.77 0.06	49.20 4.84 -1.14	50.00 5.16 -0.02	52.11 5.39 -1.43	52.77 5.66 -0.37	53.23 5.49 -1.20	58.07 5.57 -6.46	56.09 5.75 -4.01	55.72 5.63 -5.08	60.60 5.45 -7.80	70.58 5.45 -12.69	94.99 6.65 -27.33	94.11 7.97 -12.40	85.19 7.03 -7.15	75.36 5.62 -5.10	61.33 4.92 -2.37	53.92 4.37 -2.10	50.49 5.50 -0.27
WOODARD__115KV_TB2 355635	41.00 -0.75 0.00	35.12 -0.57 0.00	32.00 -0.52 0.00	30.88 -0.50 0.00	31.55 -0.48 0.00	32.90 -0.47 0.00	38.61 -0.63 0.00	42.40 -0.82 0.00	44.11 -0.72 0.00	44.61 -0.68 0.00	45.90 -0.84 0.00	45.61 -0.93 0.00	45.12 -0.92 0.00	45.41 -0.93 0.00	44.11 -0.90 0.00	46.01 -0.85 0.49	50.87 -0.94 0.62	59.57 -1.04 0.40	73.16 -1.03 -0.44	69.91 -0.99 0.11	62.59 -0.90 1.14	52.65 -0.70 0.70	46.26 -0.76 0.43	43.99 -0.80 -0.08
YORK___WARBASSE 23770	44.49 2.80 0.06	38.15 2.46 0.00	34.79 2.28 0.00	33.61 2.23 0.00	34.37 2.34 0.00	35.54 2.17 0.00	41.92 2.75 0.06	46.72 3.50 0.01	48.82 3.99 0.00	49.68 4.39 0.00	51.81 5.05 -0.01	53.20 5.12 -1.54	58.93 5.11 -7.78	61.92 5.24 -10.35	64.15 5.18 -13.96	82.32 5.59 -29.37	95.49 6.13 -36.92	98.19 7.38 -29.79	98.17 8.78 -15.64	91.19 8.38 -11.79	80.69 6.92 -9.14	62.11 5.68 -2.38	57.84 4.94 -5.45	49.83 4.83 -0.28