

# Time Weighted/Integrated Real Time LBMP- Generator

--- LBMP \$

--- Marginal Cost of Losses

### --- Marginal Cost of Congestion

## Generator Data

12/20/2024

Name	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00
PTID	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST
59TH STREET_GT_1	49.64	46.54	48.62	48.27	43.77	45.30	59.09	41.65	42.84	52.81	99.46	98.39	86.88	82.26	93.37	93.55	84.45	106.46	81.46	79.33	70.17	75.10	80.19	89.50
24138	2.11	1.67	1.50	1.54	1.51	1.75	2.72	2.48	2.65	3.34	6.37	6.56	5.69	5.54	6.54	6.47	5.98	7.43	6.00	5.56	4.72	4.76	4.90	4.82
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
74TH STREET_GT_1	49.66	46.57	48.65	48.30	43.81	45.32	59.12	41.66	42.84	52.80	99.46	98.38	86.85	82.26	93.32	93.52	84.42	106.44	81.45	79.34	70.19	75.10	80.20	89.52
24260	2.12	1.71	1.52	1.58	1.55	1.77	2.75	2.49	2.65	3.33	6.37	6.55	5.67	5.54	6.48	6.45	5.94	7.40	5.98	5.57	4.73	4.76	4.90	4.83
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
74TH STREET_GT_2	49.66	46.57	48.65	48.30	43.81	45.32	59.12	41.66	42.84	52.80	99.46	98.38	86.85	82.26	93.32	93.52	84.42	106.44	81.45	79.34	70.19	75.10	80.20	89.52
24261	2.12	1.71	1.52	1.58	1.55	1.77	2.75	2.49	2.65	3.33	6.37	6.55	5.67	5.54	6.48	6.45	5.94	7.40	5.98	5.57	4.73	4.76	4.90	4.83
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ADK HUDSON___FALLS	50.12	47.20	49.50	49.15	44.49	45.88	59.74	41.76	42.75	52.69	98.54	97.08	85.43	80.71	91.72	91.93	83.09	105.01	80.11	78.21	69.15	73.92	78.87	88.44
24011	2.58	2.33	2.38	2.42	2.23	2.34	3.37	2.59	2.56	3.21	5.45	5.25	4.24	3.99	4.89	4.86	4.62	5.98	4.65	4.44	3.70	3.58	3.57	3.76
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ADK RESOURCE___RCVRY	50.41	47.44	49.76	49.38	44.70	46.18	60.09	42.03	43.00	52.99	98.90	97.43	85.70	80.96	92.15	92.36	83.50	105.47	80.48	78.59	69.46	74.19	79.16	88.75
23798	2.87	2.57	2.64	2.65	2.44	2.63	3.72	2.86	2.81	3.51	5.81	5.60	4.51	4.24	5.32	5.29	5.04	6.44	5.02	4.82	4.00	3.85	3.86	4.07
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ADK S GLENS___FALLS	50.12	47.20	49.50	49.15	44.49	45.88	59.74	41.76	42.75	52.69	98.54	97.08	85.43	80.71	91.72	91.93	83.09	105.01	80.11	78.21	69.15	73.92	78.87	88.44
24028	2.58	2.33	2.38	2.42	2.23	2.34	3.37	2.59	2.56	3.21	5.45	5.25	4.24	3.99	4.89	4.86	4.62	5.98	4.65	4.44	3.70	3.58	3.57	3.76
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ADK_NYS___DAM	50.33	47.46	49.73	49.36	44.68	46.13	59.92	42.00	42.99	53.00	99.51	98.16	86.55	81.89	92.97	93.06	83.99	106.10	80.98	79.08	70.02	74.95	80.14	89.92
23527	2.80	2.59	2.61	2.63	2.42	2.58	3.54	2.83	2.79	3.52	6.42	6.33	5.37	5.17	6.13	5.99	5.52	7.06	5.51	5.30	4.57	4.61	4.84	5.24
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AIR_PRODUCTS___DRP	48.04	45.31	47.53	47.19	42.66	44.03	57.16	40.02	40.99	50.65	95.82	94.43	83.43	78.98	89.63	89.84	81.07	102.29	78.02	76.20	67.44	72.26	77.30	86.96
24190	0.51	0.44	0.41	0.45	0.39	0.48	0.78	0.85	0.80	1.17	2.73	2.60	2.25	2.26	2.79	2.76	2.60	3.26	2.55	2.43	1.99	1.92	2.00	2.27
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AKWESSNE_115KV_BK	48.24	45.63	47.97	47.54	43.01	44.19	56.96	39.30	40.33	49.62	93.46	92.27	81.63	76.84	86.81	87.25	78.63	99.15	75.55	73.97	65.75	71.03	76.21	85.95
355683	0.70	0.76	0.85	0.81	0.74	0.64	0.59	0.13	0.14	0.14	0.37	0.44	0.44	0.12	-0.02	0.18	0.16	0.12	0.09	0.20	0.30	0.69	0.91	1.27
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	49.22	46.45	48.78	48.42	43.74	45.16	58.63	40.96	41.94	51.67	97.33	95.98	84.78	80.30	91.10	91.35	82.50	104.13	79.37	77.52	68.64	73.58	78.68	88.46
323833	1.69	1.58	1.66	1.69	1.48	1.61	2.26	1.79	1.75	2.19	4.24	4.14	3.60	3.58	4.27	4.28	4.02	5.10	3.90	3.75	3.19	3.24	3.39	3.78
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ALBANY_2_SOLAR	49.21	46.44	48.76	48.40	43.72	45.15	58.61	40.93	41.93	51.65	97.29	95.91	84.75	80.25	91.05	91.32	82.46	104.07	79.34	77.49	68.62	73.56	78.65	88.42
323834	1.68	1.58	1.64	1.67	1.46	1.60	2.24	1.76	1.74	2.17	4.20	4.08	3.56	3.53	4.21	4.25	3.99	5.04	3.87	3.72	3.17	3.21	3.35	3.74
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	48.04	45.31	47.53	47.19	42.66	44.03	57.16	40.02	40.99	50.65	95.82	94.43	83.43	78.98	89.63	89.84	81.07	102.29	78.02	76.20	67.44	72.26	77.30	86.96
23571	0.51	0.44	0.41	0.45	0.39	0.48	0.78	0.85	0.80	1.17	2.73	2.60	2.25	2.26	2.79	2.76	2.60	3.26	2.55	2.43	1.99	1.92	2.00	2.27
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

ALBANY___2 23572	48.04 0.51 0.00	45.31 0.44 0.00	47.53 0.41 0.00	47.19 0.45 0.00	42.66 0.39 0.00	44.03 0.48 0.00	57.16 0.78 0.00	40.02 0.85 0.00	40.99 0.80 0.00	50.65 1.17 0.00	95.82 2.73 0.00	94.43 2.60 0.00	83.43 2.25 0.00	78.98 2.26 0.00	89.63 2.79 0.00	89.84 2.76 0.00	81.07 2.60 0.00	102.29 3.26 0.00	78.02 2.55 0.00	76.20 2.43 0.00	67.44 1.99 0.00	72.26 1.92 0.00	77.30 2.00 0.00	86.96 2.27 0.00
ALBANY___3 23573	48.04 0.51 0.00	45.31 0.44 0.00	47.53 0.41 0.00	47.19 0.45 0.00	42.66 0.39 0.00	44.03 0.48 0.00	57.16 0.78 0.00	40.02 0.85 0.00	40.99 0.80 0.00	50.65 1.17 0.00	95.82 2.73 0.00	94.43 2.60 0.00	83.43 2.25 0.00	78.98 2.26 0.00	89.63 2.79 0.00	89.84 2.76 0.00	81.07 2.60 0.00	102.29 3.26 0.00	78.02 2.55 0.00	76.20 2.43 0.00	67.44 1.99 0.00	72.26 1.92 0.00	77.30 2.00 0.00	86.96 2.27 0.00
ALBANY___4 23574	48.04 0.51 0.00	45.31 0.44 0.00	47.53 0.41 0.00	47.19 0.45 0.00	42.66 0.39 0.00	44.03 0.48 0.00	57.16 0.78 0.00	40.02 0.85 0.00	40.99 0.80 0.00	50.65 1.17 0.00	95.82 2.73 0.00	94.43 2.60 0.00	83.43 2.25 0.00	78.98 2.26 0.00	89.63 2.79 0.00	89.84 2.76 0.00	81.07 2.60 0.00	102.29 3.26 0.00	78.02 2.55 0.00	76.20 2.43 0.00	67.44 1.99 0.00	72.26 1.92 0.00	77.30 2.00 0.00	86.96 2.27 0.00
ALBANY___LFGE 323615	48.55 1.02 0.00	45.78 0.92 0.00	48.02 0.90 0.00	47.66 0.93 0.00	43.11 0.84 0.00	44.50 0.96 0.00	57.82 1.45 0.00	40.48 1.31 0.00	41.47 1.28 0.00	51.22 1.74 0.00	96.77 3.68 0.00	95.40 3.56 0.00	84.26 3.07 0.00	79.77 3.04 0.00	90.50 3.67 0.00	90.74 3.67 0.00	81.89 3.42 0.00	103.35 4.31 0.00	78.82 3.36 0.00	76.93 3.15 0.00	68.09 2.64 0.00	72.94 2.59 0.00	77.98 2.68 0.00	87.66 2.97 0.00
ALCOA_PA_115KV_PL-6C 55860	48.38 0.85 0.00	45.77 0.90 0.00	48.11 0.99 0.00	47.68 0.95 0.00	43.14 0.88 0.00	44.33 0.78 0.00	57.14 0.76 0.00	39.42 0.25 0.00	40.45 0.26 0.00	49.78 0.30 0.00	93.75 0.66 0.00	92.51 0.68 0.00	81.77 0.59 0.00	76.98 0.26 0.00	86.97 0.14 0.00	87.40 0.32 0.00	78.79 0.31 0.00	99.34 0.31 0.00	75.70 0.24 0.00	74.10 0.33 0.00	65.88 0.43 0.00	71.22 0.88 0.00	76.44 1.14 0.00	86.20 1.52 0.00
ALCOA_RYNLDS___DRP 24188	48.38 0.85 0.00	45.77 0.90 0.00	48.11 0.99 0.00	47.68 0.95 0.00	43.14 0.88 0.00	44.33 0.78 0.00	57.14 0.76 0.00	39.42 0.25 0.00	40.45 0.26 0.00	49.78 0.30 0.00	93.75 0.66 0.00	92.51 0.68 0.00	81.77 0.59 0.00	76.98 0.26 0.00	86.97 0.14 0.00	87.40 0.32 0.00	78.79 0.31 0.00	99.34 0.31 0.00	75.70 0.24 0.00	74.10 0.33 0.00	65.88 0.43 0.00	71.22 0.88 0.00	76.44 1.14 0.00	86.20 1.52 0.00
ALCOA___DSASP 323711	48.38 0.85 0.00	45.77 0.90 0.00	48.11 1.00 0.00	47.68 0.96 0.00	43.14 0.88 0.00	44.33 0.78 0.00	57.14 0.76 0.00	39.42 0.25 0.00	40.46 0.27 0.00	49.78 0.30 0.00	93.75 0.65 0.00	92.51 0.68 0.00	81.77 0.58 0.00	76.98 0.26 0.00	86.97 0.14 0.00	87.40 0.32 0.00	78.79 0.32 0.00	99.34 0.31 0.00	75.70 0.24 0.00	74.11 0.33 0.00	65.88 0.43 0.00	71.22 0.88 0.00	76.44 1.14 0.00	86.20 1.52 0.00
ALLEGHENY___COGEN 23514	46.75 -0.79 0.00	43.76 -1.11 0.00	45.86 -1.26 0.00	45.44 -1.29 0.00	41.38 -0.89 0.00	42.63 -0.92 0.00	55.37 -1.00 0.00	38.37 -0.80 0.00	39.48 -0.71 0.00	48.27 -1.21 0.00	90.01 -3.08 0.00	88.72 -3.12 0.00	78.62 -2.57 0.00	74.23 -2.49 0.00	83.99 -2.84 0.00	84.03 -3.04 0.00	75.63 -2.84 0.00	95.88 -3.15 0.00	72.25 -3.21 0.00	70.10 -3.67 0.00	62.18 -3.27 0.00	66.80 -3.54 0.00	71.78 -3.52 0.00	81.03 -3.65 0.00
ALTAMONT_115KV_TB 2 55880	48.49 0.95 0.00	45.74 0.87 0.00	48.01 0.89 0.00	47.64 0.91 0.00	43.03 0.76 0.00	44.41 0.86 0.00	57.65 1.28 0.00	40.30 1.13 0.00	41.33 1.14 0.00	50.94 1.46 0.00	95.94 2.85 0.00	94.60 2.77 0.00	83.60 2.41 0.00	79.17 2.45 0.00	89.77 2.94 0.00	89.97 2.90 0.00	81.19 2.72 0.00	102.49 3.45 0.00	78.17 2.70 0.00	76.34 2.57 0.00	67.62 2.17 0.00	72.49 2.15 0.00	77.52 2.22 0.00	87.05 2.37 0.00
ALTONA_WT_PWR 323606	48.72 1.18 0.00	46.17 1.31 0.00	48.65 1.53 0.00	48.06 1.33 0.00	43.48 1.22 0.00	44.64 1.09 0.00	57.47 1.10 0.00	39.81 0.64 0.00	40.76 0.57 0.00	50.19 0.71 0.00	94.35 1.26 0.00	93.02 1.19 0.00	82.63 1.44 0.00	77.72 0.99 0.00	88.14 1.31 0.00	87.98 0.91 0.00	79.61 1.14 0.00	100.08 1.05 0.00	76.46 1.00 0.00	74.98 1.21 0.00	66.51 1.06 0.00	71.82 1.48 0.00	76.98 1.68 0.00	86.78 2.10 0.00
AMERICAN_REF_FUEL 24010	44.06 -3.47 0.00	41.26 -3.61 0.00	43.53 -3.59 0.00	43.12 -3.61 0.00	39.17 -3.10 0.00	40.06 -3.49 0.00	51.20 -5.17 0.00	34.91 -4.25 0.00	36.00 -4.19 0.00	43.82 -5.66 0.00	81.12 -11.97 0.00	80.03 -11.80 0.00	70.81 -10.38 0.00	66.67 -10.05 0.00	75.39 -11.44 0.00	75.34 -11.74 0.00	67.25 -11.22 0.00	85.29 -13.74 0.00	63.90 -11.57 0.00	62.05 -11.72 0.00	55.45 -10.00 0.00	60.18 -10.16 0.00	65.33 -9.97 0.00	75.02 -9.66 0.00
ARKWRIGHT___SUMMIT_WT_PWR 323751	46.05 -1.49 0.00	43.02 -1.85 0.00	45.32 -1.80 0.00	44.91 -1.81 0.00	40.79 -1.47 0.00	41.90 -1.65 0.00	53.80 -2.57 0.00	37.05 -2.12 0.00	38.18 -2.01 0.00	46.73 -2.74 0.00	86.97 -6.12 0.00	85.95 -5.89 0.00	76.03 -5.15 0.00	71.67 -5.05 0.00	80.76 -6.08 0.00	80.76 -6.31 0.00	72.06 -6.40 0.00	91.32 -7.71 0.00	68.18 -7.28 0.00	65.82 -7.95 0.00	58.89 -6.56 0.00	63.97 -6.37 0.00	69.29 -6.00 0.00	79.06 -5.62 0.00
ARTHUR KILL_GT_1 23520	49.77 2.23 0.00	46.83 1.96 0.00	48.88 1.77 0.00	48.57 1.84 0.00	44.06 1.79 0.00	45.53 1.98 0.00	59.31 2.94 0.00	41.44 2.27 0.00	42.54 2.35 0.00	52.37 2.90 0.00	98.35 5.26 0.00	97.54 5.71 0.00	86.21 5.02 0.00	81.67 4.95 0.00	92.67 5.83 0.00	92.88 5.81 0.00	83.83 5.36 0.00	105.83 6.80 0.00	81.06 5.60 0.00	78.94 5.17 0.00	69.86 4.41 0.00	74.82 4.48 0.00	80.04 4.74 0.00	89.41 4.73 0.00
ARTHUR_KILL_2 23512	49.62 2.08 0.00	46.69 1.83 0.00	48.74 1.62 0.00	48.43 1.70 0.00	43.93 1.67 0.00	45.39 1.84 0.00	59.14 2.77 0.00	41.29 2.12 0.00	42.40 2.21 0.00	52.21 2.74 0.00	98.03 4.94 0.00	97.25 5.41 0.00	85.94 4.75 0.00	81.42 4.69 0.00	92.37 5.54 0.00	92.58 5.51 0.00	83.54 5.07 0.00	105.48 6.44 0.00	80.79 5.32 0.00	78.67 4.90 0.00	69.62 4.17 0.00	74.58 4.24 0.00	79.78 4.48 0.00	89.09 4.41 0.00
ARTHUR_KILL_3 23513	49.10 1.57 0.00	46.04 1.17 0.00	48.09 0.97 0.00	47.76 1.04 0.00	43.31 1.05 0.00	44.78 1.24 0.00	58.40 2.03 0.00	41.19 2.02 0.00	42.33 2.15 0.00	52.16 2.69 0.00	98.22 5.13 0.00	97.10 5.26 0.00	85.74 4.55 0.00	81.19 4.47 0.00	92.13 5.30 0.00	92.35 5.27 0.00	83.36 4.90 0.00	105.11 6.08 0.00	80.48 5.01 0.00	78.40 4.63 0.00	69.35 3.89 0.00	74.23 3.89 0.00	79.30 4.00 0.00	88.49 3.80 0.00

ARTHUR_KILL_COGEN 323718	49.77 2.23 0.00	46.83 1.96 0.00	48.88 1.77 0.00	48.57 1.84 0.00	44.06 1.79 0.00	45.53 1.98 0.00	59.31 2.94 0.00	41.44 2.27 0.00	42.54 2.35 0.00	52.37 2.90 0.00	98.35 5.26 0.00	97.54 5.71 0.00	86.21 5.02 0.00	81.67 4.95 0.00	92.67 5.83 0.00	92.88 5.81 0.00	83.83 5.36 0.00	105.83 6.80 0.00	81.06 5.60 0.00	78.94 5.17 0.00	69.86 4.41 0.00	74.82 4.48 0.00	80.04 4.74 0.00	89.41 4.73 0.00
ASHOKAN____ 23654	50.89 3.35 0.00	47.82 2.95 0.00	50.03 2.91 0.00	49.65 2.92 0.00	45.00 2.73 0.00	46.63 3.08 0.00	60.85 4.47 0.00	42.87 3.70 0.00	44.06 3.87 0.00	54.30 4.83 0.00	102.49 9.40 0.00	101.56 9.72 0.00	89.71 8.53 0.00	85.04 8.32 0.00	96.48 9.64 0.00	96.82 9.75 0.00	87.60 9.13 0.00	110.75 11.72 0.00	84.50 9.04 0.00	82.34 8.57 0.00	72.74 7.28 0.00	77.76 7.42 0.00	82.79 7.49 0.00	92.34 7.66 0.00
ASTORIA_EAST_ENERGY_CC1 323581	49.32 1.78 0.00	46.29 1.42 0.00	48.30 1.18 0.00	47.93 1.20 0.00	43.44 1.18 0.00	44.93 1.38 0.00	58.67 2.30 0.00	41.36 2.19 0.00	42.50 2.31 0.00	52.34 2.86 0.00	98.65 5.56 0.00	97.45 5.62 0.00	86.07 4.88 0.00	81.55 4.83 0.00	92.57 5.74 0.00	92.75 5.68 0.00	83.70 5.23 0.00	105.63 6.59 0.00	80.86 5.40 0.00	78.77 5.00 0.00	69.68 4.23 0.00	74.50 4.16 0.00	79.53 4.24 0.00	88.81 4.13 0.00
ASTORIA_EAST_ENERGY_CC2 323582	49.32 1.78 0.00	46.29 1.42 0.00	48.30 1.18 0.00	47.93 1.20 0.00	43.44 1.18 0.00	44.93 1.38 0.00	58.67 2.30 0.00	41.36 2.19 0.00	42.50 2.31 0.00	52.34 2.86 0.00	98.65 5.56 0.00	97.45 5.62 0.00	86.07 4.88 0.00	81.56 4.84 0.00	92.57 5.74 0.00	92.75 5.68 0.00	83.71 5.24 0.00	105.63 6.59 0.00	80.87 5.40 0.00	78.77 5.00 0.00	69.69 4.24 0.00	74.50 4.16 0.00	79.53 4.24 0.00	88.81 4.13 0.00
ASTORIA_GT2_1 24094	49.36 1.82 0.00	46.31 1.44 0.00	48.33 1.21 0.00	47.94 1.21 0.00	43.47 1.21 0.00	44.95 1.40 0.00	58.71 2.34 0.00	41.38 2.22 0.00	42.53 2.34 0.00	52.36 2.88 0.00	98.73 5.64 0.00	97.51 5.68 0.00	86.12 4.93 0.00	81.61 4.89 0.00	92.62 5.78 0.00	92.80 5.73 0.00	83.73 5.26 0.00	105.65 6.62 0.00	80.90 5.44 0.00	78.80 5.03 0.00	69.71 4.26 0.00	74.53 4.18 0.00	79.60 4.30 0.00	88.86 4.18 0.00
ASTORIA_GT2_2 24095	49.36 1.82 0.00	46.31 1.44 0.00	48.33 1.21 0.00	47.94 1.21 0.00	43.47 1.21 0.00	44.95 1.40 0.00	58.71 2.34 0.00	41.38 2.22 0.00	42.53 2.34 0.00	52.36 2.88 0.00	98.73 5.64 0.00	97.51 5.68 0.00	86.12 4.93 0.00	81.61 4.89 0.00	92.62 5.78 0.00	92.80 5.73 0.00	83.73 5.26 0.00	105.65 6.62 0.00	80.90 5.44 0.00	78.80 5.03 0.00	69.71 4.26 0.00	74.53 4.18 0.00	79.60 4.30 0.00	88.86 4.18 0.00
ASTORIA_GT2_3 24096	49.36 1.82 0.00	46.31 1.44 0.00	48.33 1.21 0.00	47.94 1.21 0.00	43.47 1.21 0.00	44.95 1.40 0.00	58.71 2.34 0.00	41.38 2.22 0.00	42.53 2.34 0.00	52.36 2.88 0.00	98.73 5.64 0.00	97.51 5.68 0.00	86.12 4.93 0.00	81.61 4.89 0.00	92.62 5.78 0.00	92.80 5.73 0.00	83.73 5.26 0.00	105.65 6.62 0.00	80.90 5.44 0.00	78.80 5.03 0.00	69.71 4.26 0.00	74.53 4.18 0.00	79.60 4.30 0.00	88.86 4.18 0.00
ASTORIA_GT2_4 24097	49.36 1.82 0.00	46.31 1.44 0.00	48.33 1.21 0.00	47.94 1.21 0.00	43.47 1.21 0.00	44.95 1.40 0.00	58.71 2.34 0.00	41.38 2.22 0.00	42.53 2.34 0.00	52.36 2.88 0.00	98.73 5.64 0.00	97.51 5.68 0.00	86.12 4.93 0.00	81.61 4.89 0.00	92.62 5.78 0.00	92.80 5.73 0.00	83.73 5.26 0.00	105.65 6.62 0.00	80.90 5.44 0.00	78.80 5.03 0.00	69.71 4.26 0.00	74.53 4.18 0.00	79.60 4.30 0.00	88.86 4.18 0.00
ASTORIA_GT3_1 24098	49.36 1.82 0.00	46.31 1.44 0.00	48.33 1.21 0.00	47.94 1.21 0.00	43.47 1.21 0.00	44.95 1.40 0.00	58.71 2.34 0.00	41.38 2.22 0.00	42.53 2.34 0.00	52.36 2.88 0.00	98.73 5.64 0.00	97.51 5.68 0.00	86.12 4.93 0.00	81.61 4.89 0.00	92.62 5.78 0.00	92.80 5.73 0.00	83.73 5.26 0.00	105.65 6.62 0.00	80.90 5.44 0.00	78.80 5.03 0.00	69.71 4.26 0.00	74.53 4.18 0.00	79.60 4.30 0.00	88.86 4.18 0.00
ASTORIA_GT3_2 24099	49.36 1.82 0.00	46.31 1.44 0.00	48.33 1.21 0.00	47.94 1.21 0.00	43.47 1.21 0.00	44.95 1.40 0.00	58.71 2.34 0.00	41.38 2.22 0.00	42.53 2.34 0.00	52.36 2.88 0.00	98.73 5.64 0.00	97.51 5.68 0.00	86.12 4.93 0.00	81.61 4.89 0.00	92.62 5.78 0.00	92.80 5.73 0.00	83.73 5.26 0.00	105.65 6.62 0.00	80.90 5.44 0.00	78.80 5.03 0.00	69.71 4.26 0.00	74.53 4.18 0.00	79.60 4.30 0.00	88.86 4.18 0.00
ASTORIA_GT3_3 24100	49.36 1.82 0.00	46.31 1.44 0.00	48.33 1.21 0.00	47.94 1.21 0.00	43.47 1.21 0.00	44.95 1.40 0.00	58.71 2.34 0.00	41.38 2.22 0.00	42.53 2.34 0.00	52.36 2.88 0.00	98.73 5.64 0.00	97.51 5.68 0.00	86.12 4.93 0.00	81.61 4.89 0.00	92.62 5.78 0.00	92.80 5.73 0.00	83.73 5.26 0.00	105.65 6.62 0.00	80.90 5.44 0.00	78.80 5.03 0.00	69.71 4.26 0.00	74.53 4.18 0.00	79.60 4.30 0.00	88.86 4.18 0.00
ASTORIA_GT3_4 24101	49.36 1.82 0.00	46.31 1.44 0.00	48.33 1.21 0.00	47.94 1.21 0.00	43.47 1.21 0.00	44.95 1.40 0.00	58.71 2.34 0.00	41.38 2.22 0.00	42.53 2.34 0.00	52.36 2.88 0.00	98.73 5.64 0.00	97.51 5.68 0.00	86.12 4.93 0.00	81.61 4.89 0.00	92.62 5.78 0.00	92.80 5.73 0.00	83.73 5.26 0.00	105.65 6.62 0.00	80.90 5.44 0.00	78.80 5.03 0.00	69.71 4.26 0.00	74.53 4.18 0.00	79.60 4.30 0.00	88.86 4.18 0.00
ASTORIA_GT4_1 24102	49.36 1.82 0.00	46.31 1.44 0.00	48.33 1.21 0.00	47.94 1.21 0.00	43.47 1.21 0.00	44.95 1.40 0.00	58.71 2.34 0.00	41.38 2.22 0.00	42.53 2.34 0.00	52.36 2.88 0.00	98.73 5.64 0.00	97.51 5.68 0.00	86.12 4.93 0.00	81.61 4.89 0.00	92.62 5.78 0.00	92.80 5.73 0.00	83.73 5.26 0.00	105.65 6.62 0.00	80.90 5.44 0.00	78.80 5.03 0.00	69.71 4.26 0.00	74.53 4.18 0.00	79.60 4.30 0.00	88.86 4.18 0.00
ASTORIA_GT4_2 24103	49.36 1.82 0.00	46.31 1.44 0.00	48.33 1.21 0.00	47.94 1.21 0.00	43.47 1.21 0.00	44.95 1.40 0.00	58.71 2.34 0.00	41.38 2.22 0.00	42.53 2.34 0.00	52.36 2.88 0.00	98.73 5.64 0.00	97.51 5.68 0.00	86.12 4.93 0.00	81.61 4.89 0.00	92.62 5.78 0.00	92.80 5.73 0.00	83.73 5.26 0.00	105.65 6.62 0.00	80.90 5.44 0.00	78.80 5.03 0.00	69.71 4.26 0.00	74.53 4.18 0.00	79.60 4.30 0.00	88.86 4.18 0.00
ASTORIA_GT4_3 24104	49.36 1.82 0.00	46.31 1.44 0.00	48.33 1.21 0.00	47.94 1.21 0.00	43.47 1.21 0.00	44.95 1.40 0.00	58.71 2.34 0.00	41.38 2.22 0.00	42.53 2.34 0.00	52.36 2.88 0.00	98.73 5.64 0.00	97.51 5.68 0.00	86.12 4.93 0.00	81.61 4.89 0.00	92.62 5.78 0.00	92.80 5.73 0.00	83.73 5.26 0.00	105.65 6.62 0.00	80.90 5.44 0.00	78.80 5.03 0.00	69.71 4.26 0.00	74.53 4.18 0.00	79.60 4.30 0.00	88.86 4.18 0.00

ASTORIA_GT4_4 24105	49.36 1.82 0.00	46.31 1.44 0.00	48.33 1.21 0.00	47.94 1.21 0.00	43.47 1.21 0.00	44.95 1.40 0.00	58.71 2.34 0.00	41.38 2.22 0.00	42.53 2.34 0.00	52.36 2.88 0.00	98.73 5.64 0.00	97.51 5.68 0.00	86.12 4.93 0.00	81.61 4.89 0.00	92.62 5.78 0.00	92.80 5.73 0.00	83.73 5.26 0.00	105.65 6.62 0.00	80.90 5.44 0.00	78.80 5.03 0.00	69.71 4.26 0.00	74.53 4.18 0.00	79.60 4.30 0.00	88.86 4.18 0.00
ASTORIA_GT_1 23523	49.44 1.90 0.00	46.38 1.52 0.00	48.41 1.29 0.00	48.02 1.29 0.00	43.54 1.27 0.00	45.03 1.49 0.00	58.81 2.44 0.00	41.47 2.30 0.00	42.62 2.43 0.00	52.46 2.98 0.00	98.92 5.83 0.00	97.72 5.89 0.00	86.31 5.12 0.00	81.77 5.05 0.00	92.82 5.99 0.00	93.00 5.93 0.00	83.92 5.44 0.00	105.89 6.86 0.00	81.08 5.61 0.00	78.96 5.19 0.00	69.85 4.40 0.00	74.67 4.33 0.00	79.75 4.45 0.00	89.02 4.34 0.00
ASTORIA_GT_10 24110	49.37 1.83 0.00	46.30 1.43 0.00	48.34 1.22 0.00	47.99 1.26 0.00	43.52 1.26 0.00	45.01 1.47 0.00	58.73 2.36 0.00	41.36 2.20 0.00	42.52 2.33 0.00	52.38 2.90 0.00	98.74 5.65 0.00	97.64 5.81 0.00	86.22 5.03 0.00	81.67 4.95 0.00	92.67 5.83 0.00	92.87 5.79 0.00	83.79 5.32 0.00	105.59 6.55 0.00	80.91 5.44 0.00	78.83 5.05 0.00	69.72 4.27 0.00	74.59 4.25 0.00	79.66 4.36 0.00	88.91 4.23 0.00
ASTORIA_GT_11 24225	49.37 1.83 0.00	46.30 1.43 0.00	48.34 1.22 0.00	47.99 1.26 0.00	43.52 1.26 0.00	45.01 1.47 0.00	58.73 2.36 0.00	41.36 2.20 0.00	42.52 2.33 0.00	52.38 2.90 0.00	98.74 5.65 0.00	97.64 5.81 0.00	86.22 5.03 0.00	81.67 4.95 0.00	92.67 5.83 0.00	92.87 5.79 0.00	83.79 5.32 0.00	105.59 6.55 0.00	80.91 5.44 0.00	78.83 5.05 0.00	69.72 4.27 0.00	74.59 4.25 0.00	79.66 4.36 0.00	88.91 4.23 0.00
ASTORIA_GT_12 24226	49.37 1.83 0.00	46.30 1.43 0.00	48.34 1.22 0.00	47.99 1.26 0.00	43.52 1.26 0.00	45.01 1.47 0.00	58.73 2.36 0.00	41.36 2.20 0.00	42.52 2.33 0.00	52.38 2.90 0.00	98.74 5.65 0.00	97.64 5.81 0.00	86.22 5.03 0.00	81.67 4.95 0.00	92.67 5.83 0.00	92.87 5.79 0.00	83.79 5.32 0.00	105.59 6.55 0.00	80.91 5.44 0.00	78.83 5.05 0.00	69.72 4.27 0.00	74.59 4.25 0.00	79.66 4.36 0.00	88.91 4.23 0.00
ASTORIA_GT_13 24227	49.37 1.83 0.00	46.30 1.43 0.00	48.34 1.22 0.00	47.99 1.26 0.00	43.52 1.26 0.00	45.01 1.47 0.00	58.73 2.36 0.00	41.36 2.20 0.00	42.52 2.33 0.00	52.38 2.90 0.00	98.74 5.65 0.00	97.64 5.81 0.00	86.22 5.03 0.00	81.67 4.95 0.00	92.67 5.83 0.00	92.87 5.79 0.00	83.79 5.32 0.00	105.59 6.55 0.00	80.91 5.44 0.00	78.83 5.05 0.00	69.72 4.27 0.00	74.59 4.25 0.00	79.66 4.36 0.00	88.91 4.23 0.00
ASTORIA_GT_5 24106	49.44 1.90 0.00	46.38 1.51 0.00	48.41 1.29 0.00	48.03 1.30 0.00	43.53 1.27 0.00	45.03 1.49 0.00	58.81 2.44 0.00	41.47 2.30 0.00	42.62 2.43 0.00	52.47 2.99 0.00	98.92 5.83 0.00	97.72 5.89 0.00	86.31 5.12 0.00	81.78 5.06 0.00	92.83 5.99 0.00	93.00 5.92 0.00	83.91 5.44 0.00	105.90 6.87 0.00	81.08 5.62 0.00	78.97 5.19 0.00	69.85 4.40 0.00	74.67 4.32 0.00	79.75 4.45 0.00	89.02 4.34 0.00
ASTORIA_GT_7 24107	49.44 1.90 0.00	46.38 1.51 0.00	48.41 1.29 0.00	48.03 1.30 0.00	43.53 1.27 0.00	45.03 1.49 0.00	58.81 2.44 0.00	41.47 2.30 0.00	42.62 2.43 0.00	52.47 2.99 0.00	98.92 5.83 0.00	97.72 5.89 0.00	86.31 5.12 0.00	81.78 5.06 0.00	92.83 5.99 0.00	93.00 5.92 0.00	83.91 5.44 0.00	105.90 6.87 0.00	81.08 5.62 0.00	78.97 5.19 0.00	69.85 4.40 0.00	74.67 4.32 0.00	79.75 4.45 0.00	89.02 4.34 0.00
ASTORIA_GT_8 24108	49.44 1.90 0.00	46.38 1.51 0.00	48.41 1.29 0.00	48.03 1.30 0.00	43.53 1.27 0.00	45.03 1.49 0.00	58.81 2.44 0.00	41.47 2.30 0.00	42.62 2.43 0.00	52.47 2.99 0.00	98.92 5.83 0.00	97.72 5.89 0.00	86.31 5.12 0.00	81.78 5.06 0.00	92.83 5.99 0.00	93.00 5.92 0.00	83.91 5.44 0.00	105.90 6.87 0.00	81.08 5.62 0.00	78.97 5.19 0.00	69.85 4.40 0.00	74.67 4.32 0.00	79.75 4.45 0.00	89.02 4.34 0.00
ASTORIA___2 24149	49.36 1.83 0.00	46.31 1.44 0.00	48.33 1.21 0.00	47.94 1.21 0.00	43.47 1.21 0.00	44.95 1.40 0.00	58.71 2.34 0.00	41.38 2.21 0.00	42.53 2.34 0.00	52.37 2.89 0.00	98.72 5.63 0.00	97.52 5.68 0.00	86.12 4.93 0.00	81.61 4.88 0.00	92.62 5.78 0.00	92.80 5.73 0.00	83.73 5.26 0.00	105.65 6.62 0.00	80.89 5.42 0.00	78.81 5.04 0.00	69.71 4.26 0.00	74.52 4.18 0.00	79.60 4.30 0.00	88.86 4.18 0.00
ASTORIA___3 23516	49.37 1.83 0.00	46.30 1.43 0.00	48.33 1.22 0.00	47.99 1.26 0.00	43.52 1.26 0.00	45.01 1.46 0.00	58.73 2.36 0.00	41.36 2.19 0.00	42.52 2.33 0.00	52.38 2.90 0.00	98.74 5.65 0.00	97.65 5.81 0.00	86.23 5.04 0.00	81.67 4.95 0.00	92.66 5.83 0.00	92.87 5.79 0.00	83.79 5.32 0.00	105.58 6.55 0.00	80.91 5.45 0.00	78.82 5.04 0.00	69.72 4.27 0.00	74.58 4.24 0.00	79.66 4.36 0.00	88.90 4.22 0.00
ASTORIA___4 23517	49.37 1.83 0.00	46.30 1.43 0.00	48.34 1.22 0.00	47.99 1.26 0.00	43.52 1.26 0.00	45.01 1.47 0.00	58.73 2.36 0.00	41.36 2.19 0.00	42.52 2.33 0.00	52.38 2.90 0.00	98.74 5.65 0.00	97.64 5.81 0.00	86.22 5.03 0.00	81.67 4.95 0.00	92.66 5.83 0.00	92.87 5.79 0.00	83.79 5.32 0.00	105.59 6.55 0.00	80.91 5.44 0.00	78.83 5.05 0.00	69.72 4.27 0.00	74.58 4.24 0.00	79.66 4.36 0.00	88.91 4.23 0.00
ASTORIA___5 23518	49.37 1.83 0.00	46.30 1.43 0.00	48.33 1.22 0.00	47.99 1.26 0.00	43.52 1.26 0.00	45.01 1.47 0.00	58.73 2.36 0.00	41.36 2.19 0.00	42.52 2.33 0.00	52.38 2.90 0.00	98.74 5.65 0.00	97.65 5.81 0.00	86.23 5.04 0.00	81.67 4.95 0.00	92.67 5.83 0.00	92.87 5.79 0.00	83.79 5.32 0.00	105.58 6.55 0.00	80.91 5.45 0.00	78.82 5.04 0.00	69.72 4.27 0.00	74.58 4.24 0.00	79.66 4.36 0.00	88.90 4.22 0.00
AST_ENERGY_2_CC3 323677	49.17 1.64 0.00	46.11 1.24 0.00	48.16 1.04 0.00	47.82 1.09 0.00	43.36 1.09 0.00	44.86 1.32 0.00	58.50 2.13 0.00	41.22 2.05 0.00	42.38 2.19 0.00	52.21 2.74 0.00	98.36 5.27 0.00	97.29 5.46 0.00	85.84 4.66 0.00	81.30 4.58 0.00	92.25 5.42 0.00	92.45 5.38 0.00	83.47 5.00 0.00	105.21 6.17 0.00	80.58 5.11 0.00	78.48 4.71 0.00	69.45 3.99 0.00	74.41 4.07 0.00	79.55 4.26 0.00	88.81 4.13 0.00
AST_ENERGY_2_CC4 323678	49.17 1.64 0.00	46.11 1.24 0.00	48.16 1.04 0.00	47.82 1.09 0.00	43.36 1.09 0.00	44.86 1.32 0.00	58.50 2.13 0.00	41.22 2.05 0.00	42.38 2.19 0.00	52.21 2.74 0.00	98.36 5.27 0.00	97.29 5.46 0.00	85.84 4.66 0.00	81.30 4.58 0.00	92.25 5.42 0.00	92.45 5.38 0.00	83.47 5.00 0.00	105.21 6.17 0.00	80.58 5.11 0.00	78.48 4.71 0.00	69.45 3.99 0.00	74.41 4.07 0.00	79.55 4.26 0.00	88.81 4.13 0.00

ATHENS_STG_1 23668	48.66 1.12 0.00	45.87 1.00 0.00	48.11 0.99 0.00	47.74 1.01 0.00	43.11 0.85 0.00	44.50 0.96 0.00	57.83 1.46 0.00	40.50 1.33 0.00	41.57 1.38 0.00	51.21 1.73 0.00	96.37 3.28 0.00	95.12 3.29 0.00	84.00 2.82 0.00	79.58 2.86 0.00	90.23 3.40 0.00	90.42 3.34 0.00	81.57 3.11 0.00	102.96 3.92 0.00	78.62 3.15 0.00	76.80 3.03 0.00	68.02 2.56 0.00	72.88 2.55 0.00	77.92 2.63 0.00	87.36 2.68 0.00
ATHENS_STG_2 23670	48.66 1.12 0.00	45.87 1.00 0.00	48.11 0.99 0.00	47.74 1.01 0.00	43.11 0.85 0.00	44.50 0.96 0.00	57.83 1.46 0.00	40.50 1.33 0.00	41.57 1.38 0.00	51.21 1.73 0.00	96.37 3.28 0.00	95.12 3.29 0.00	84.00 2.82 0.00	79.58 2.86 0.00	90.23 3.40 0.00	90.42 3.34 0.00	81.57 3.11 0.00	102.96 3.92 0.00	78.62 3.15 0.00	76.80 3.03 0.00	68.02 2.56 0.00	72.88 2.55 0.00	77.92 2.63 0.00	87.36 2.68 0.00
ATHENS_STG_3 23677	48.66 1.12 0.00	45.87 1.00 0.00	48.11 0.99 0.00	47.74 1.01 0.00	43.11 0.85 0.00	44.50 0.96 0.00	57.83 1.46 0.00	40.50 1.33 0.00	41.57 1.38 0.00	51.21 1.73 0.00	96.37 3.28 0.00	95.12 3.29 0.00	84.00 2.82 0.00	79.58 2.86 0.00	90.23 3.40 0.00	90.42 3.34 0.00	81.57 3.11 0.00	102.96 3.92 0.00	78.62 3.15 0.00	76.80 3.03 0.00	68.02 2.56 0.00	72.88 2.55 0.00	77.92 2.63 0.00	87.36 2.68 0.00
AUBURN___LFGE 323710	47.17 -0.36 0.00	44.42 -0.45 0.00	46.62 -0.50 0.00	46.09 -0.64 0.00	41.87 -0.39 0.00	43.24 -0.30 0.00	56.13 -0.25 0.00	38.88 -0.29 0.00	39.90 -0.29 0.00	49.04 -0.44 0.00	92.24 -0.86 0.00	91.35 -0.48 0.00	80.50 -0.69 0.00	76.27 -0.45 0.00	86.02 -0.82 0.00	86.49 -0.58 0.00	78.72 0.25 0.00	99.60 0.56 0.00	74.89 -0.57 0.00	72.95 -0.82 0.00	64.67 -0.79 0.00	69.34 -1.00 0.00	74.15 -1.15 0.00	83.33 -1.35 0.00
BABYLON_RES_REC 323704	50.33 2.79 0.00	47.10 2.23 0.00	49.16 2.04 0.00	48.76 2.03 0.00	44.17 1.91 0.00	45.85 2.31 0.00	59.73 3.36 0.00	42.29 3.12 0.00	43.23 3.04 0.00	53.59 4.11 0.00	101.07 7.98 -0.01	103.51 8.21 -3.47	88.15 6.95 -0.01	83.09 6.37 0.00	94.11 7.27 0.00	94.41 7.34 0.00	86.16 6.89 -0.80	108.00 8.61 -0.35	88.94 7.10 -6.38	83.05 6.70 -2.58	71.27 5.82 0.00	76.22 5.88 0.00	81.50 6.20 0.00	91.27 6.24 -0.35
BABYLON__69_KV_BK2 356345	50.84 3.31 0.00	47.57 2.70 0.00	49.65 2.54 0.00	49.25 2.52 0.00	44.61 2.35 0.00	46.34 2.79 0.00	60.39 4.02 0.00	42.75 3.58 0.00	43.71 3.53 0.00	54.20 4.72 0.00	102.21 9.11 -0.01	104.75 9.38 -3.54	89.22 8.02 -0.01	84.01 7.29 0.00	95.05 8.21 0.00	95.34 8.26 0.00	87.13 7.87 -0.79	109.28 9.90 -0.35	89.83 8.11 -6.26	83.99 7.69 -2.52	72.22 6.77 0.00	77.17 6.83 0.00	82.53 7.24 0.00	92.34 7.32 -0.35
BALL_HILL_WT_PWR 323825	45.62 -1.92 0.00	42.69 -2.18 0.00	44.96 -2.17 0.00	44.54 -2.19 0.00	40.48 -1.78 0.00	41.51 -2.03 0.00	53.29 -3.08 0.00	36.63 -2.54 0.00	37.71 -2.48 0.00	46.10 -3.38 0.00	85.68 -7.42 0.00	84.62 -7.22 0.00	74.91 -6.28 0.00	70.58 -6.14 0.00	79.71 -7.13 0.00	79.58 -7.49 0.00	71.04 -7.43 0.00	90.08 -8.95 0.00	67.48 -7.98 0.00	65.34 -8.44 0.00	58.32 -7.13 0.00	63.28 -7.06 0.00	68.57 -6.73 0.00	78.16 -6.53 0.00
BARON_WINDS___WT_PWR 323822	46.07 -1.47 0.00	43.17 -1.70 0.00	45.13 -1.98 0.00	44.70 -2.03 0.00	40.71 -1.55 0.00	41.81 -1.74 0.00	54.15 -2.22 0.00	37.54 -1.63 0.00	38.56 -1.63 0.00	47.36 -2.11 0.00	88.74 -4.35 0.00	87.80 -4.03 0.00	77.86 -3.33 0.00	73.57 -3.15 0.00	83.42 -3.42 0.00	83.23 -3.84 0.00	74.67 -3.80 0.00	94.27 -4.76 0.00	71.02 -4.44 0.00	68.94 -4.83 0.00	61.03 -4.42 0.00	65.71 -4.63 0.00	70.44 -4.86 0.00	79.46 -5.22 0.00
BARRETT_IC_1 23704	49.72 2.18 0.00	46.52 1.65 0.00	48.59 1.47 0.00	48.20 1.47 0.00	43.62 1.36 0.00	45.23 1.68 0.00	58.78 2.41 0.00	41.54 2.37 0.00	42.53 2.34 0.00	52.68 3.20 0.00	99.44 6.35 0.00	98.68 6.62 -0.22	86.70 5.51 0.00	81.65 4.93 0.00	92.61 5.78 0.00	92.85 5.78 0.00	84.60 5.39 -0.74	106.24 6.88 -0.32	86.83 5.77 -5.59	81.51 5.35 -2.39	70.18 4.73 0.00	75.06 4.72 0.00	80.23 4.93 0.00	89.99 4.98 -0.33
BARRETT_IC_10 23701	49.72 2.18 0.00	46.52 1.65 0.00	48.59 1.47 0.00	48.20 1.47 0.00	43.62 1.36 0.00	45.23 1.68 0.00	58.78 2.41 0.00	41.54 2.37 0.00	42.53 2.34 0.00	52.68 3.20 0.00	99.44 6.35 0.00	98.68 6.62 -0.22	86.70 5.51 0.00	81.65 4.93 0.00	92.61 5.78 0.00	92.85 5.78 0.00	84.60 5.39 -0.74	106.24 6.88 -0.32	86.83 5.77 -5.59	81.51 5.35 -2.39	70.18 4.73 0.00	75.06 4.72 0.00	80.23 4.93 0.00	89.99 4.98 -0.33
BARRETT_IC_11 23702	49.72 2.18 0.00	46.52 1.65 0.00	48.59 1.47 0.00	48.20 1.47 0.00	43.62 1.36 0.00	45.23 1.68 0.00	58.78 2.41 0.00	41.54 2.37 0.00	42.53 2.34 0.00	52.68 3.20 0.00	99.44 6.35 0.00	98.68 6.62 -0.22	86.70 5.51 0.00	81.65 4.93 0.00	92.61 5.78 0.00	92.85 5.78 0.00	84.60 5.39 -0.74	106.24 6.88 -0.32	86.83 5.77 -5.59	81.51 5.35 -2.39	70.18 4.73 0.00	75.06 4.72 0.00	80.23 4.93 0.00	89.99 4.98 -0.33
BARRETT_IC_12 23703	49.72 2.18 0.00	46.52 1.65 0.00	48.59 1.47 0.00	48.20 1.47 0.00	43.62 1.36 0.00	45.23 1.68 0.00	58.78 2.41 0.00	41.54 2.37 0.00	42.53 2.34 0.00	52.68 3.20 0.00	99.44 6.35 0.00	98.68 6.62 -0.22	86.70 5.51 0.00	81.65 4.93 0.00	92.61 5.78 0.00	92.85 5.78 0.00	84.60 5.39 -0.74	106.24 6.88 -0.32	86.83 5.77 -5.59	81.51 5.35 -2.39	70.18 4.73 0.00	75.06 4.72 0.00	80.23 4.93 0.00	89.99 4.98 -0.33
BARRETT_IC_2 23705	49.72 2.18 0.00	46.52 1.65 0.00	48.59 1.47 0.00	48.20 1.47 0.00	43.62 1.36 0.00	45.23 1.68 0.00	58.78 2.41 0.00	41.54 2.37 0.00	42.53 2.34 0.00	52.68 3.20 0.00	99.44 6.35 0.00	98.68 6.62 -0.22	86.70 5.51 0.00	81.65 4.93 0.00	92.61 5.78 0.00	92.85 5.78 0.00	84.60 5.39 -0.74	106.24 6.88 -0.32	86.83 5.77 -5.59	81.51 5.35 -2.39	70.18 4.73 0.00	75.06 4.72 0.00	80.23 4.93 0.00	89.99 4.98 -0.33
BARRETT_IC_3 23706	49.72 2.18 0.00	46.52 1.65 0.00	48.59 1.47 0.00	48.20 1.47 0.00	43.62 1.36 0.00	45.23 1.68 0.00	58.78 2.41 0.00	41.54 2.37 0.00	42.53 2.34 0.00	52.68 3.20 0.00	99.44 6.35 0.00	98.68 6.62 -0.22	86.70 5.51 0.00	81.65 4.93 0.00	92.61 5.78 0.00	92.85 5.78 0.00	84.60 5.39 -0.74	106.24 6.88 -0.32	86.83 5.77 -5.59	81.51 5.35 -2.39	70.18 4.73 0.00	75.06 4.72 0.00	80.23 4.93 0.00	89.99 4.98 -0.33
BARRETT_IC_4 23707	49.72 2.18 0.00	46.52 1.65 0.00	48.59 1.47 0.00	48.20 1.47 0.00	43.62 1.36 0.00	45.23 1.68 0.00	58.78 2.41 0.00	41.54 2.37 0.00	42.53 2.34 0.00	52.68 3.20 0.00	99.44 6.35 0.00	98.68 6.62 -0.22	86.70 5.51 0.00	81.65 4.93 0.00	92.61 5.78 0.00	92.85 5.78 0.00	84.60 5.39 -0.74	106.24 6.88 -0.32	86.83 5.77 -5.59	81.51 5.35 -2.39	70.18 4.73 0.00	75.06 4.72 0.00	80.23 4.93 0.00	89.99 4.98 -0.33

BARRETT_IC_5 23708	49.72 2.18 0.00	46.52 1.65 0.00	48.59 1.47 0.00	48.20 1.47 0.00	43.62 1.36 0.00	45.23 1.68 0.00	58.78 2.41 0.00	41.54 2.37 0.00	42.53 2.34 0.00	52.68 3.20 0.00	99.44 6.35 0.00	98.68 6.62 -0.22	86.70 5.51 0.00	81.65 4.93 0.00	92.61 5.78 0.00	92.85 5.78 0.00	84.60 5.39 -0.74	106.24 6.88 -0.32	86.83 5.77 -5.59	81.51 5.35 -2.39	70.18 4.73 0.00	75.06 4.72 0.00	80.23 4.93 0.00	89.99 4.98 -0.33
BARRETT_IC_6 23709	49.72 2.18 0.00	46.52 1.65 0.00	48.59 1.47 0.00	48.20 1.47 0.00	43.62 1.36 0.00	45.23 1.68 0.00	58.78 2.41 0.00	41.54 2.37 0.00	42.53 2.34 0.00	52.68 3.20 0.00	99.44 6.35 0.00	98.68 6.62 -0.22	86.70 5.51 0.00	81.65 4.93 0.00	92.61 5.78 0.00	92.85 5.78 0.00	84.60 5.39 -0.74	106.24 6.88 -0.32	86.83 5.77 -5.59	81.51 5.35 -2.39	70.18 4.73 0.00	75.06 4.72 0.00	80.23 4.93 0.00	89.99 4.98 -0.33
BARRETT_IC_7 23710	49.71 2.17 0.00	46.52 1.65 0.00	48.59 1.47 0.00	48.20 1.47 0.00	43.62 1.36 0.00	45.22 1.67 0.00	58.79 2.41 0.00	41.54 2.37 0.00	42.53 2.34 0.00	52.67 3.20 0.00	99.45 6.36 0.00	98.68 6.63 -0.22	86.70 5.51 0.00	81.65 4.93 0.00	92.61 5.77 0.00	92.86 5.78 0.00	84.61 5.40 -0.74	106.24 6.88 -0.32	86.83 5.77 -5.59	81.51 5.35 -2.39	70.18 4.73 0.00	75.06 4.72 0.00	80.23 4.93 0.00	89.99 4.98 -0.33
BARRETT_IC_8 23711	49.72 2.18 0.00	46.52 1.65 0.00	48.59 1.47 0.00	48.20 1.47 0.00	43.62 1.36 0.00	45.23 1.68 0.00	58.78 2.41 0.00	41.54 2.37 0.00	42.53 2.34 0.00	52.68 3.20 0.00	99.44 6.35 0.00	98.68 6.62 -0.22	86.70 5.51 0.00	81.65 4.93 0.00	92.61 5.78 0.00	92.85 5.78 0.00	84.60 5.39 -0.74	106.24 6.88 -0.32	86.83 5.77 -5.59	81.51 5.35 -2.39	70.18 4.73 0.00	75.06 4.72 0.00	80.23 4.93 0.00	89.99 4.98 -0.33
BARRETT_IC_9 23700	49.72 2.18 0.00	46.52 1.65 0.00	48.59 1.47 0.00	48.20 1.47 0.00	43.62 1.36 0.00	45.23 1.68 0.00	58.78 2.41 0.00	41.54 2.37 0.00	42.53 2.34 0.00	52.68 3.20 0.00	99.44 6.35 0.00	98.68 6.62 -0.22	86.70 5.51 0.00	81.65 4.93 0.00	92.61 5.78 0.00	92.85 5.78 0.00	84.60 5.39 -0.74	106.24 6.88 -0.32	86.83 5.77 -5.59	81.51 5.35 -2.39	70.18 4.73 0.00	75.06 4.72 0.00	80.23 4.93 0.00	89.99 4.98 -0.33
BARRETT___1 23545	49.72 2.18 0.00	46.52 1.65 0.00	48.59 1.47 0.00	48.20 1.47 0.00	43.62 1.36 0.00	45.23 1.68 0.00	58.78 2.41 0.00	41.54 2.37 0.00	42.53 2.34 0.00	52.68 3.20 0.00	99.44 6.35 0.00	98.68 6.62 -0.22	86.70 5.51 0.00	81.65 4.93 0.00	92.61 5.78 0.00	92.85 5.78 0.00	84.60 5.39 -0.74	106.24 6.88 -0.32	86.83 5.77 -5.59	81.51 5.35 -2.39	70.18 4.73 0.00	75.06 4.72 0.00	80.23 4.93 0.00	89.99 4.98 -0.33
BARRETT___2 23546	49.72 2.18 0.00	46.52 1.65 0.00	48.59 1.47 0.00	48.20 1.47 0.00	43.62 1.36 0.00	45.23 1.68 0.00	58.78 2.41 0.00	41.54 2.37 0.00	42.53 2.34 0.00	52.68 3.20 0.00	99.44 6.35 0.00	98.68 6.62 -0.22	86.70 5.51 0.00	81.65 4.93 0.00	92.61 5.78 0.00	92.85 5.78 0.00	84.60 5.39 -0.74	106.24 6.88 -0.32	86.83 5.77 -5.59	81.51 5.35 -2.39	70.18 4.73 0.00	75.06 4.72 0.00	80.23 4.93 0.00	89.99 4.98 -0.33
BATAVIA___115KV_TB1 55881	46.35 -1.19 0.00	43.40 -1.47 0.00	45.70 -1.42 0.00	45.27 -1.45 0.00	41.15 -1.12 0.00	42.22 -1.33 0.00	54.35 -2.03 0.00	37.38 -1.79 0.00	38.53 -1.66 0.00	47.04 -2.43 0.00	87.43 -5.66 0.00	86.23 -5.60 0.00	76.29 -4.90 0.00	71.83 -4.90 0.00	81.08 -5.76 0.00	80.72 -6.36 0.00	72.34 -6.13 0.00	91.88 -7.15 0.00	68.97 -6.50 0.00	66.96 -6.80 0.00	59.68 -5.77 0.00	64.44 -5.90 0.00	69.63 -5.67 0.00	79.28 -5.40 0.00
BAYONEEC___CTG1 323682	49.33 1.79 0.00	46.26 1.39 0.00	48.31 1.19 0.00	47.98 1.25 0.00	43.51 1.25 0.00	45.00 1.45 0.00	58.68 2.31 0.00	41.36 2.18 0.00	42.51 2.32 0.00	52.39 2.92 0.00	98.62 5.53 0.00	97.29 5.68 0.23	86.11 4.92 0.00	81.54 4.82 0.00	92.51 5.67 0.00	92.73 5.66 0.00	83.69 5.22 0.00	105.53 6.49 0.00	80.80 5.33 0.00	78.71 4.94 0.00	69.64 4.18 0.00	74.53 4.20 0.00	79.63 4.33 0.00	88.88 4.20 0.00
BAYONEEC___CTG10 323750	49.33 1.79 0.00	46.26 1.39 0.00	48.31 1.19 0.00	47.98 1.25 0.00	43.51 1.25 0.00	45.00 1.45 0.00	58.68 2.31 0.00	41.36 2.18 0.00	42.51 2.32 0.00	52.39 2.92 0.00	98.62 5.53 0.00	97.29 5.68 0.23	86.11 4.92 0.00	81.54 4.82 0.00	92.51 5.67 0.00	92.73 5.66 0.00	83.69 5.22 0.00	105.53 6.49 0.00	80.80 5.33 0.00	78.71 4.94 0.00	69.64 4.18 0.00	74.53 4.20 0.00	79.63 4.33 0.00	88.88 4.20 0.00
BAYONEEC___CTG2 323683	49.33 1.79 0.00	46.26 1.39 0.00	48.31 1.19 0.00	47.98 1.25 0.00	43.51 1.25 0.00	45.00 1.45 0.00	58.68 2.31 0.00	41.36 2.18 0.00	42.51 2.32 0.00	52.39 2.92 0.00	98.62 5.53 0.00	97.29 5.68 0.23	86.11 4.92 0.00	81.54 4.82 0.00	92.51 5.67 0.00	92.73 5.66 0.00	83.69 5.22 0.00	105.53 6.49 0.00	80.80 5.33 0.00	78.71 4.94 0.00	69.64 4.18 0.00	74.53 4.20 0.00	79.63 4.33 0.00	88.88 4.20 0.00
BAYONEEC___CTG3 323684	49.33 1.79 0.00	46.26 1.39 0.00	48.31 1.19 0.00	47.98 1.25 0.00	43.51 1.25 0.00	45.00 1.45 0.00	58.68 2.31 0.00	41.36 2.18 0.00	42.51 2.32 0.00	52.39 2.92 0.00	98.62 5.53 0.00	97.29 5.68 0.23	86.11 4.92 0.00	81.54 4.82 0.00	92.51 5.67 0.00	92.73 5.66 0.00	83.69 5.22 0.00	105.53 6.49 0.00	80.80 5.33 0.00	78.71 4.94 0.00	69.64 4.18 0.00	74.53 4.20 0.00	79.63 4.33 0.00	88.88 4.20 0.00
BAYONEEC___CTG4 323685	49.33 1.79 0.00	46.26 1.39 0.00	48.31 1.19 0.00	47.98 1.25 0.00	43.51 1.25 0.00	45.00 1.45 0.00	58.68 2.31 0.00	41.36 2.18 0.00	42.51 2.32 0.00	52.39 2.92 0.00	98.62 5.53 0.00	97.29 5.68 0.23	86.11 4.92 0.00	81.54 4.82 0.00	92.51 5.67 0.00	92.73 5.66 0.00	83.69 5.22 0.00	105.53 6.49 0.00	80.80 5.33 0.00	78.71 4.94 0.00	69.64 4.18 0.00	74.53 4.20 0.00	79.63 4.33 0.00	88.88 4.20 0.00
BAYONEEC___CTG5 323686	49.33 1.79 0.00	46.26 1.39 0.00	48.31 1.19 0.00	47.98 1.25 0.00	43.51 1.25 0.00	45.00 1.45 0.00	58.68 2.31 0.00	41.36 2.18 0.00	42.51 2.32 0.00	52.39 2.92 0.00	98.62 5.53 0.00	97.29 5.68 0.23	86.11 4.92 0.00	81.54 4.82 0.00	92.51 5.67 0.00	92.73 5.66 0.00	83.69 5.22 0.00	105.53 6.49 0.00	80.80 5.33 0.00	78.71 4.94 0.00	69.64 4.18 0.00	74.53 4.20 0.00	79.63 4.33 0.00	88.88 4.20 0.00
BAYONEEC___CTG6 323687	49.33 1.79 0.00	46.26 1.39 0.00	48.31 1.19 0.00	47.98 1.25 0.00	43.51 1.25 0.00	45.00 1.45 0.00	58.68 2.31 0.00	41.36 2.18 0.00	42.51 2.32 0.00	52.39 2.92 0.00	98.62 5.53 0.00	97.29 5.68 0.23	86.11 4.92 0.00	81.54 4.82 0.00	92.51 5.67 0.00	92.73 5.66 0.00	83.69 5.22 0.00	105.53 6.49 0.00	80.80 5.33 0.00	78.71 4.94 0.00	69.64 4.18 0.00	74.53 4.20 0.00	79.63 4.33 0.00	88.88 4.20 0.00

BAYONEEC___CTG7 323688	49.33 1.79 0.00	46.26 1.39 0.00	48.31 1.19 0.00	47.98 1.25 0.00	43.51 1.25 0.00	45.00 1.45 0.00	58.68 2.31 0.00	41.36 2.18 0.00	42.51 2.32 0.00	52.39 2.92 0.00	98.62 5.53 0.00	97.29 5.68 0.23	86.11 4.92 0.00	81.54 4.82 0.00	92.51 5.67 0.00	92.73 5.66 0.00	83.69 5.22 0.00	105.53 6.49 0.00	80.80 5.33 0.00	78.71 4.94 0.00	69.64 4.18 0.00	74.53 4.20 0.00	79.63 4.33 0.00	88.88 4.20 0.00
BAYONEEC___CTG8 323689	49.33 1.79 0.00	46.26 1.39 0.00	48.31 1.19 0.00	47.98 1.25 0.00	43.51 1.25 0.00	45.00 1.45 0.00	58.68 2.31 0.00	41.36 2.18 0.00	42.51 2.32 0.00	52.39 2.92 0.00	98.62 5.53 0.00	97.29 5.68 0.23	86.11 4.92 0.00	81.54 4.82 0.00	92.51 5.67 0.00	92.73 5.66 0.00	83.69 5.22 0.00	105.53 6.49 0.00	80.80 5.33 0.00	78.71 4.94 0.00	69.64 4.18 0.00	74.53 4.20 0.00	79.63 4.33 0.00	88.88 4.20 0.00
BAYONEEC___CTG9 323749	49.33 1.79 0.00	46.26 1.39 0.00	48.31 1.19 0.00	47.98 1.25 0.00	43.51 1.25 0.00	45.00 1.45 0.00	58.68 2.31 0.00	41.36 2.18 0.00	42.51 2.32 0.00	52.39 2.92 0.00	98.62 5.53 0.00	97.29 5.68 0.23	86.11 4.92 0.00	81.54 4.82 0.00	92.51 5.67 0.00	92.73 5.66 0.00	83.69 5.22 0.00	105.53 6.49 0.00	80.80 5.33 0.00	78.71 4.94 0.00	69.64 4.18 0.00	74.53 4.20 0.00	79.63 4.33 0.00	88.88 4.20 0.00
BEACON___LESR 323632	49.04 1.51 0.00	46.14 1.27 0.00	48.38 1.26 0.00	48.02 1.29 0.00	43.45 1.19 0.00	44.91 1.36 0.00	58.40 2.02 0.00	40.89 1.71 0.00	41.90 1.71 0.00	51.77 2.29 0.00	97.80 4.71 0.00	96.33 4.49 0.00	85.06 3.87 0.00	80.56 3.84 0.00	91.42 4.59 0.00	91.63 4.56 0.00	82.75 4.28 0.00	104.71 5.67 0.00	79.78 4.32 0.00	77.82 4.05 0.00	68.86 3.41 0.00	73.87 3.54 0.00	78.87 3.57 0.00	88.39 3.71 0.00
BEAVER RIVER___HYD 24048	49.02 1.49 0.00	47.65 2.78 0.00	49.94 2.82 0.00	48.11 1.38 0.00	43.35 1.08 0.00	44.60 1.05 0.00	57.77 1.39 0.00	40.00 0.83 0.00	40.97 0.78 0.00	50.16 0.68 0.00	94.57 1.48 0.00	92.91 1.07 0.00	82.46 1.28 0.00	77.92 1.19 0.00	88.12 1.29 0.00	88.27 1.20 0.00	79.81 1.34 0.00	100.93 1.90 0.00	76.65 1.19 0.00	74.89 1.12 0.00	66.39 0.93 0.00	71.30 0.96 0.00	76.12 0.82 0.00	85.48 0.80 0.00
BEEBEE_GT_13 23619	45.84 -1.70 0.00	43.04 -1.83 0.00	45.30 -1.82 0.00	44.88 -1.85 0.00	40.75 -1.51 0.00	41.91 -1.64 0.00	54.14 -2.23 0.00	37.45 -1.73 0.00	38.52 -1.67 0.00	47.17 -2.31 0.00	88.07 -5.02 0.00	86.88 -4.95 0.00	76.84 -4.34 0.00	72.47 -4.25 0.00	81.94 -4.89 0.00	81.97 -5.10 0.00	73.60 -4.88 0.00	93.30 -5.73 0.00	70.41 -5.06 0.00	68.51 -5.26 0.00	60.87 -4.58 0.00	65.57 -4.77 0.00	70.62 -4.68 0.00	79.93 -4.75 0.00
BENSHRST_27_KV_BENSHRST_1 355998	49.84 2.31 0.00	46.76 1.89 0.00	48.80 1.68 0.00	48.47 1.74 0.00	43.95 1.69 0.00	45.46 1.91 0.00	59.32 2.95 0.00	41.74 2.57 0.00	42.92 2.73 0.00	52.88 3.40 0.00	99.50 6.41 0.00	98.49 6.66 0.00	87.02 5.83 0.00	82.44 5.72 0.00	93.51 6.67 0.00	93.72 6.64 0.00	84.57 6.09 0.00	106.66 7.63 0.00	81.68 6.21 0.00	79.57 5.79 0.00	70.39 4.94 0.00	75.33 4.99 0.00	80.47 5.18 0.00	89.79 5.10 0.00
BETHLEHEM___GRP 23843	48.04 0.51 0.00	45.31 0.44 0.00	47.53 0.41 0.00	47.19 0.45 0.00	42.66 0.39 0.00	44.03 0.48 0.00	57.16 0.78 0.00	40.02 0.85 0.00	40.99 0.80 0.00	50.65 1.17 0.00	95.82 2.73 0.00	94.43 2.60 0.00	83.43 2.25 0.00	78.98 2.26 0.00	89.63 2.79 0.00	89.84 2.76 0.00	81.07 2.60 0.00	102.29 3.26 0.00	78.02 2.55 0.00	76.20 2.43 0.00	67.44 1.99 0.00	72.26 1.92 0.00	77.30 2.00 0.00	86.96 2.27 0.00
BETHLEHEM___GS1 323560	48.05 0.51 0.00	45.31 0.44 0.00	47.53 0.41 0.00	47.18 0.45 0.00	42.66 0.39 0.00	44.02 0.48 0.00	57.15 0.78 0.00	40.02 0.85 0.00	40.99 0.80 0.00	50.65 1.17 0.00	95.82 2.73 0.00	94.43 2.60 0.00	83.42 2.24 0.00	78.98 2.26 0.00	89.63 2.79 0.00	89.84 2.76 0.00	81.08 2.61 0.00	102.30 3.26 0.00	78.02 2.56 0.00	76.20 2.43 0.00	67.44 1.99 0.00	72.25 1.91 0.00	77.29 1.99 0.00	86.95 2.27 0.00
BETHLEHEM___GS2 323561	48.05 0.51 0.00	45.31 0.44 0.00	47.53 0.41 0.00	47.18 0.45 0.00	42.66 0.39 0.00	44.02 0.48 0.00	57.15 0.78 0.00	40.02 0.85 0.00	40.99 0.80 0.00	50.65 1.17 0.00	95.82 2.73 0.00	94.43 2.60 0.00	83.42 2.24 0.00	78.98 2.26 0.00	89.63 2.79 0.00	89.84 2.76 0.00	81.08 2.61 0.00	102.30 3.26 0.00	78.02 2.56 0.00	76.20 2.43 0.00	67.44 1.99 0.00	72.25 1.91 0.00	77.29 1.99 0.00	86.95 2.27 0.00
BETHLEHEM___GS3 323562	48.05 0.51 0.00	45.31 0.44 0.00	47.53 0.41 0.00	47.18 0.45 0.00	42.66 0.39 0.00	44.02 0.48 0.00	57.15 0.78 0.00	40.02 0.85 0.00	40.99 0.80 0.00	50.65 1.17 0.00	95.82 2.73 0.00	94.43 2.60 0.00	83.42 2.24 0.00	78.98 2.26 0.00	89.63 2.79 0.00	89.84 2.76 0.00	81.08 2.61 0.00	102.30 3.26 0.00	78.02 2.56 0.00	76.20 2.43 0.00	67.44 1.99 0.00	72.25 1.91 0.00	77.29 1.99 0.00	86.95 2.27 0.00
BETHLEHEM___STEEL 23779	45.51 -2.03 0.00	42.60 -2.27 0.00	44.87 -2.25 0.00	44.45 -2.28 0.00	40.40 -1.86 0.00	41.40 -2.14 0.00	53.17 -3.20 0.00	36.53 -2.64 0.00	37.59 -2.60 0.00	45.93 -3.55 0.00	85.30 -7.79 0.00	84.21 -7.62 0.00	74.58 -6.60 0.00	70.21 -6.51 0.00	79.44 -7.40 0.00	79.18 -7.89 0.00	70.74 -7.73 0.00	89.75 -9.28 0.00	67.28 -8.18 0.00	65.27 -8.51 0.00	58.22 -7.23 0.00	63.05 -7.29 0.00	68.35 -6.95 0.00	77.95 -6.73 0.00
BETHLHEM_115KV_TB1 79974	48.15 0.62 0.00	45.41 0.54 0.00	47.63 0.51 0.00	47.29 0.56 0.00	42.74 0.47 0.00	44.12 0.57 0.00	57.27 0.90 0.00	40.09 0.92 0.00	41.06 0.87 0.00	50.72 1.25 0.00	95.86 2.77 0.00	94.50 2.67 0.00	83.46 2.27 0.00	79.03 2.31 0.00	89.67 2.83 0.00	89.88 2.81 0.00	81.11 2.64 0.00	102.35 3.32 0.00	78.08 2.62 0.00	76.24 2.47 0.00	67.48 2.03 0.00	72.32 1.98 0.00	77.35 2.05 0.00	86.97 2.29 0.00
BETHPAGE_CC_5 323564	50.23 2.69 0.00	47.01 2.14 0.00	49.08 1.96 0.00	48.69 1.97 0.00	44.12 1.85 0.00	45.75 2.20 0.00	59.46 3.09 0.00	42.07 2.90 0.00	43.04 2.85 0.00	53.29 3.81 0.00	100.34 7.24 -0.01	102.51 7.43 -3.24	87.36 6.16 -0.01	82.34 5.62 0.00	93.36 6.52 0.00	93.60 6.53 0.00	85.45 6.13 -0.85	107.11 7.71 -0.37	88.59 6.41 -6.71	82.50 6.00 -2.73	70.65 5.20 0.00	75.53 5.19 0.00	80.76 5.46 0.00	90.61 5.56 -0.37
BIGTREE_115_KV_TB2_REV_LBMP_A 345034	45.69 -1.84 0.00	42.78 -2.09 0.00	45.04 -2.08 0.00	44.62 -2.10 0.00	40.57 -1.69 0.00	41.59 -1.96 0.00	53.44 -2.93 0.00	36.73 -2.44 0.00	37.78 -2.41 0.00	46.17 -3.30 0.00	85.80 -7.29 0.00	84.73 -7.10 0.00	75.04 -6.15 0.00	70.65 -6.08 0.00	79.94 -6.90 0.00	79.67 -7.41 0.00	71.18 -7.29 0.00	90.34 -8.70 0.00	67.75 -7.72 0.00	65.70 -8.07 0.00	58.60 -6.85 0.00	63.45 -6.89 0.00	68.76 -6.54 0.00	78.34 -6.35 0.00

BINGHAMTON___COGEN 23790	47.07 -0.46 0.00	44.32 -0.55 0.00	46.51 -0.61 0.00	46.14 -0.59 0.00	41.80 -0.46 0.00	43.09 -0.46 0.00	55.96 -0.42 0.00	39.01 -0.16 0.00	40.05 -0.14 0.00	49.24 -0.23 0.00	92.58 -0.52 0.00	91.42 -0.41 0.00	80.84 -0.34 0.00	76.43 -0.30 0.00	86.66 -0.18 0.00	86.67 -0.40 0.00	78.01 -0.46 0.00	98.57 -0.47 0.00	74.82 -0.65 0.00	72.99 -0.79 0.00	64.67 -0.78 0.00	69.39 -0.95 0.00	74.23 -1.07 0.00	83.30 -1.38 0.00
BIXINCNT_115KV_LOAD 355685	46.42 -1.11 0.00	43.41 -1.46 0.00	45.64 -1.48 0.00	45.22 -1.51 0.00	41.18 -1.08 0.00	42.25 -1.29 0.00	54.53 -1.84 0.00	37.58 -1.59 0.00	38.59 -1.60 0.00	47.23 -2.24 0.00	88.13 -4.96 0.00	87.03 -4.81 0.00	77.12 -4.07 0.00	72.62 -4.10 0.00	82.28 -4.55 0.00	81.82 -5.26 0.00	73.06 -5.41 0.00	92.65 -6.38 0.00	69.71 -5.75 0.00	67.12 -6.65 0.00	59.96 -5.49 0.00	64.99 -5.35 0.00	70.48 -4.82 0.00	79.85 -4.84 0.00
BLACK RIVER___HYD 24047	48.67 1.14 0.00	46.80 1.93 0.00	49.04 1.92 0.00	47.70 0.97 0.00	43.11 0.84 0.00	44.49 0.94 0.00	57.92 1.55 0.00	40.25 1.08 0.00	41.20 1.01 0.00	50.39 0.91 0.00	95.07 1.98 0.00	93.31 1.47 0.00	82.61 1.42 0.00	78.16 1.44 0.00	88.40 1.56 0.00	88.60 1.52 0.00	80.15 1.69 0.00	101.48 2.45 0.00	77.00 1.54 0.00	75.16 1.39 0.00	66.60 1.15 0.00	71.37 1.02 0.00	76.07 0.77 0.00	85.26 0.57 0.00
BLACKRVR_115KV_TB2 79977	48.67 1.14 0.00	46.80 1.93 0.00	49.04 1.92 0.00	47.70 0.97 0.00	43.11 0.84 0.00	44.49 0.94 0.00	57.93 1.55 0.00	40.25 1.08 0.00	41.20 1.01 0.00	50.39 0.92 0.00	95.07 1.98 0.00	93.31 1.47 0.00	82.61 1.42 0.00	78.16 1.44 0.00	88.40 1.57 0.00	88.61 1.53 0.00	80.16 1.69 0.00	101.48 2.45 0.00	77.00 1.54 0.00	75.16 1.39 0.00	66.60 1.15 0.00	71.36 1.03 0.00	76.07 0.77 0.00	85.25 0.57 0.00
BLISS_WT_PWR 323608	46.47 -1.06 0.00	43.44 -1.43 0.00	45.64 -1.48 0.00	45.22 -1.50 0.00	41.20 -1.07 0.00	42.26 -1.29 0.00	54.57 -1.80 0.00	37.64 -1.53 0.00	38.63 -1.56 0.00	47.29 -2.18 0.00	88.30 -4.79 0.00	87.20 -4.64 0.00	77.23 -3.95 0.00	72.76 -3.96 0.00	82.44 -4.39 0.00	81.98 -5.09 0.00	73.18 -5.30 0.00	92.76 -6.27 0.00	69.80 -5.66 0.00	67.04 -6.73 0.00	59.97 -5.49 0.00	65.01 -5.33 0.00	70.49 -4.80 0.00	79.86 -4.82 0.00
BLUESTONE___WT_PWR 323821	49.91 2.37 0.00	46.85 1.99 0.00	49.14 2.03 0.00	48.63 1.90 0.00	43.86 1.60 0.00	45.16 1.61 0.00	58.75 2.38 0.00	42.06 2.89 0.00	43.24 3.05 0.00	53.00 3.53 0.00	98.19 5.10 0.00	97.29 5.45 0.00	86.74 5.55 0.00	82.04 5.32 0.00	92.94 6.11 0.00	93.11 6.04 0.00	84.04 5.57 0.00	106.18 7.15 0.00	80.68 5.21 0.00	78.75 4.98 0.00	69.50 4.05 0.00	74.19 3.85 0.00	79.00 3.70 0.00	87.66 2.97 0.00
BLUE_CIRC_CHEM_DRP 24182	48.77 1.24 0.00	46.03 1.17 0.00	48.34 1.22 0.00	47.97 1.24 0.00	43.33 1.06 0.00	44.71 1.16 0.00	58.03 1.66 0.00	40.53 1.36 0.00	41.52 1.33 0.00	51.17 1.69 0.00	96.42 3.33 0.00	95.05 3.22 0.00	83.96 2.77 0.00	79.51 2.79 0.00	90.17 3.34 0.00	90.41 3.33 0.00	81.60 3.13 0.00	102.97 3.94 0.00	78.50 3.04 0.00	76.70 2.93 0.00	67.92 2.47 0.00	72.82 2.48 0.00	77.89 2.60 0.00	87.58 2.89 0.00
BOC_GAS_DRP 24189	48.32 0.79 0.00	45.59 0.72 0.00	47.85 0.73 0.00	47.47 0.74 0.00	42.89 0.62 0.00	44.24 0.69 0.00	57.42 1.05 0.00	40.15 0.98 0.00	41.17 0.98 0.00	50.76 1.28 0.00	95.66 2.57 0.00	94.33 2.50 0.00	83.32 2.13 0.00	78.89 2.17 0.00	89.47 2.63 0.00	89.67 2.60 0.00	80.89 2.42 0.00	102.09 3.06 0.00	77.86 2.40 0.00	76.08 2.30 0.00	67.38 1.93 0.00	72.22 1.88 0.00	77.27 1.97 0.00	86.78 2.09 0.00
BOONVILLE_115KV_TB1 79983	49.00 1.47 0.00	46.73 1.86 0.00	49.01 1.89 0.00	48.12 1.39 0.00	43.47 1.21 0.00	44.85 1.30 0.00	58.29 1.92 0.00	40.53 1.36 0.00	41.58 1.39 0.00	51.08 1.61 0.00	96.13 3.04 0.00	94.71 2.88 0.00	83.92 2.73 0.00	79.29 2.57 0.00	89.73 2.90 0.00	89.87 2.80 0.00	81.06 2.59 0.00	102.38 3.35 0.00	77.83 2.37 0.00	76.05 2.27 0.00	67.41 1.96 0.00	72.28 1.94 0.00	77.16 1.86 0.00	86.60 1.92 0.00
BORALEX_4TH_BRANCH 23824	50.34 2.80 0.00	47.46 2.59 0.00	49.73 2.62 0.00	49.36 2.63 0.00	44.69 2.42 0.00	46.13 2.58 0.00	59.91 3.54 0.00	42.00 2.83 0.00	42.98 2.80 0.00	53.00 3.52 0.00	99.51 6.42 0.00	98.16 6.33 0.00	86.55 5.37 0.00	81.89 5.17 0.00	92.97 6.13 0.00	93.06 5.99 0.00	83.99 5.52 0.00	106.11 7.07 0.00	80.98 5.51 0.00	79.07 5.30 0.00	70.02 4.57 0.00	74.96 4.61 0.00	80.14 4.84 0.00	89.92 5.24 0.00
BOWLINE___1 23526	48.83 1.29 0.00	45.84 0.97 0.00	47.92 0.80 0.00	47.59 0.86 0.00	43.17 0.91 0.00	44.61 1.06 0.00	58.03 1.65 0.00	40.84 1.67 0.00	41.94 1.75 0.00	51.66 2.19 0.00	97.17 4.08 0.00	96.05 4.21 0.00	84.84 3.65 0.00	80.35 3.63 0.00	91.15 4.31 0.00	91.34 4.27 0.00	82.47 4.00 0.00	104.08 5.05 0.00	79.65 4.19 0.00	77.65 3.88 0.00	68.75 3.30 0.00	73.61 3.27 0.00	78.60 3.30 0.00	87.86 3.18 0.00
BOWLINE___2 23595	48.83 1.29 0.00	45.83 0.96 0.00	47.91 0.79 0.00	47.59 0.86 0.00	43.18 0.92 0.00	44.63 1.08 0.00	58.04 1.66 0.00	40.84 1.67 0.00	41.94 1.75 0.00	51.66 2.19 0.00	97.17 4.08 0.00	96.05 4.21 0.00	84.84 3.65 0.00	80.35 3.63 0.00	91.15 4.31 0.00	91.34 4.27 0.00	82.46 3.99 0.00	104.08 5.05 0.00	79.66 4.20 0.00	77.65 3.88 0.00	68.75 3.30 0.00	73.61 3.27 0.00	78.60 3.30 0.00	87.85 3.17 0.00
BRADY___115KV_TB2 356060	52.23 4.70 0.00	53.21 8.34 0.00	55.77 8.65 0.00	51.45 4.73 0.00	45.91 3.64 0.00	46.65 3.10 0.00	59.51 3.14 0.00	40.75 1.58 0.00	41.67 1.48 0.00	50.92 1.45 0.00	95.59 2.50 0.00	92.86 1.02 0.00	82.39 1.20 0.00	77.54 0.82 0.00	87.57 0.74 0.00	88.06 0.98 0.00	79.46 0.99 0.00	100.24 1.21 0.00	76.38 0.92 0.00	74.79 1.01 0.00	66.45 1.00 0.00	71.89 1.55 0.00	77.19 1.89 0.00	87.00 2.32 0.00
BRANSCOMB___SOLAR 323811	49.82 2.28 0.00	46.94 2.07 0.00	49.24 2.12 0.00	48.87 2.14 0.00	44.22 1.96 0.00	45.63 2.09 0.00	59.35 2.98 0.00	41.50 2.33 0.00	42.53 2.34 0.00	52.40 2.93 0.00	98.61 5.52 0.00	97.18 5.35 0.00	85.52 4.33 0.00	80.60 3.88 0.00	91.40 4.56 0.00	91.62 4.55 0.00	82.77 4.30 0.00	104.59 5.56 0.00	79.76 4.30 0.00	77.89 4.12 0.00	68.91 3.45 0.00	73.75 3.40 0.00	78.81 3.51 0.00	88.36 3.68 0.00
BRENTWOD_69_KV_W. BRTWOOD 56703	50.63 3.09 0.00	47.41 2.54 0.00	49.49 2.37 0.00	49.09 2.36 0.00	44.46 2.20 0.00	46.18 2.63 0.00	60.18 3.81 0.00	42.62 3.45 0.00	43.52 3.33 0.00	54.00 4.52 0.00	101.85 8.75 -0.01	104.69 9.10 -3.76	88.99 7.79 -0.01	83.63 6.91 0.00	94.51 7.67 0.00	94.61 7.53 0.00	86.62 7.41 -0.74	108.47 9.11 -0.33	88.94 7.54 -5.94	83.39 7.24 -2.38	71.93 6.48 0.00	76.88 6.54 0.00	82.28 6.98 0.00	92.07 7.06 -0.33



BRISTLHL_115KV_TB1 79998	45.94 -1.59 0.00	43.31 -1.56 0.00	45.46 -1.66 0.00	45.09 -1.64 0.00	40.80 -1.46 0.00	42.11 -1.44 0.00	54.59 -1.79 0.00	38.00 -1.17 0.00	38.99 -1.20 0.00	47.93 -1.55 0.00	90.09 -3.00 0.00	88.86 -2.97 0.00	78.55 -2.63 0.00	74.27 -2.46 0.00	84.06 -2.77 0.00	84.20 -2.88 0.00	75.86 -2.61 0.00	95.93 -3.11 0.00	72.99 -2.47 0.00	71.22 -2.56 0.00	63.17 -2.28 0.00	67.79 -2.55 0.00	72.57 -2.72 0.00	81.65 -3.03 0.00
BROOKHAVEN___DRP 24191	50.64 3.11 0.00	47.33 2.46 0.00	49.40 2.28 0.00	48.94 2.21 0.00	44.30 2.03 0.00	46.02 2.48 0.00	59.95 3.58 0.00	42.47 3.30 0.00	43.33 3.15 0.00	53.80 4.32 0.00	101.02 7.93 -0.01	103.93 8.28 -3.81	88.63 7.43 -0.01	83.57 6.85 0.00	94.49 7.65 0.00	94.88 7.80 0.00	86.63 7.43 -0.73	108.68 9.33 -0.32	89.08 7.77 -5.85	83.31 7.20 -2.34	71.72 6.26 0.00	76.64 6.30 0.00	82.05 6.75 0.00	91.77 6.77 -0.32
BROOKLYN_NAVY_YARD 23515	49.23 1.70 0.00	46.17 1.30 0.00	48.21 1.09 0.00	47.89 1.16 0.00	43.43 1.17 0.00	44.91 1.37 0.00	58.60 2.24 0.00	41.31 2.14 0.00	42.46 2.27 0.00	52.31 2.84 0.00	98.55 5.46 0.00	97.48 5.65 0.00	86.09 4.90 0.00	81.50 4.78 0.00	92.47 5.63 0.00	92.70 5.63 0.00	83.68 5.21 0.00	105.46 6.43 0.00	80.75 5.29 0.00	78.67 4.90 0.00	69.59 4.14 0.00	74.46 4.13 0.00	79.51 4.22 0.00	88.73 4.05 0.00
BROOKLYN___ARMY_DRP 323595	49.60 2.07 0.00	46.54 1.67 0.00	48.59 1.48 0.00	48.25 1.52 0.00	43.77 1.50 0.00	45.24 1.69 0.00	59.01 2.64 0.00	41.52 2.35 0.00	42.68 2.49 0.00	52.58 3.10 0.00	98.94 5.85 0.00	97.91 6.08 0.00	86.49 5.31 0.00	81.94 5.22 0.00	92.96 6.12 0.00	93.16 6.09 0.00	84.04 5.57 0.00	106.00 6.97 0.00	81.19 5.72 0.00	79.08 5.31 0.00	69.98 4.53 0.00	74.89 4.55 0.00	80.04 4.74 0.00	89.32 4.64 0.00
BROOKVLE_69_KV_TB1 55790	50.01 2.47 0.00	46.93 2.06 0.00	49.01 1.89 0.00	48.64 1.91 0.00	44.09 1.83 0.00	45.69 2.14 0.00	59.46 3.09 0.00	41.86 2.69 0.00	42.93 2.74 0.00	53.08 3.61 0.00	100.04 6.95 0.00	101.07 7.17 -2.06	87.30 6.11 0.00	82.48 5.75 0.00	93.56 6.72 0.00	93.77 6.69 0.00	85.89 6.23 -1.19	107.43 7.87 -0.52	90.95 6.32 -9.17	83.57 5.96 -3.83	70.49 5.03 0.00	75.33 4.99 0.00	80.53 5.23 0.00	90.83 5.62 -0.52
BROOME_2_LFGE 323671	47.08 -0.46 0.00	44.32 -0.55 0.00	46.51 -0.61 0.00	46.14 -0.58 0.00	41.80 -0.46 0.00	43.09 -0.46 0.00	55.96 -0.42 0.00	39.01 -0.16 0.00	40.05 -0.14 0.00	49.24 -0.23 0.00	92.58 -0.51 0.00	91.43 -0.41 0.00	80.84 -0.34 0.00	76.43 -0.29 0.00	86.66 -0.18 0.00	86.66 -0.41 0.00	78.01 -0.46 0.00	98.56 -0.47 0.00	74.82 -0.65 0.00	72.99 -0.78 0.00	64.67 -0.78 0.00	69.39 -0.95 0.00	74.22 -1.07 0.00	83.30 -1.39 0.00
BROOME___LFGE 323600	47.08 -0.46 0.00	44.32 -0.55 0.00	46.51 -0.61 0.00	46.14 -0.58 0.00	41.80 -0.46 0.00	43.09 -0.46 0.00	55.96 -0.42 0.00	39.01 -0.16 0.00	40.05 -0.14 0.00	49.24 -0.23 0.00	92.58 -0.51 0.00	91.43 -0.41 0.00	80.84 -0.34 0.00	76.43 -0.29 0.00	86.66 -0.18 0.00	86.66 -0.41 0.00	78.01 -0.46 0.00	98.56 -0.47 0.00	74.82 -0.65 0.00	72.99 -0.78 0.00	64.67 -0.78 0.00	69.39 -0.95 0.00	74.22 -1.07 0.00	83.30 -1.39 0.00
BROWNFLS_115KV_TB_3_5 80003	49.36 1.82 0.00	49.21 4.34 0.00	51.57 4.45 0.00	48.49 1.76 0.00	43.47 1.21 0.00	44.42 0.87 0.00	56.98 0.61 0.00	39.20 0.04 0.00	40.16 -0.03 0.00	49.12 -0.35 0.00	92.57 -0.52 0.00	90.73 -1.10 0.00	80.99 -0.19 0.00	76.37 -0.35 0.00	86.32 -0.52 0.00	86.54 -0.53 0.00	78.16 -0.31 0.00	98.78 -0.26 0.00	75.13 -0.33 0.00	73.44 -0.33 0.00	65.18 -0.27 0.00	70.39 0.05 0.00	75.40 0.10 0.00	84.83 0.15 0.00
BROWNSV1_27_KV_LOAD 356125	49.80 2.27 0.00	46.68 1.81 0.00	48.76 1.64 0.00	48.40 1.67 0.00	43.90 1.63 0.00	45.42 1.88 0.00	59.28 2.91 0.00	41.78 2.61 0.00	42.97 2.78 0.00	52.95 3.47 0.00	99.71 6.62 0.00	98.66 6.83 0.00	87.10 5.91 0.00	82.49 5.77 0.00	93.59 6.75 0.00	93.80 6.72 0.00	84.69 6.22 0.00	106.79 7.76 0.00	81.73 6.26 0.00	79.61 5.84 0.00	70.42 4.97 0.00	75.37 5.03 0.00	80.50 5.20 0.00	89.81 5.13 0.00
BURROWS___LYONSDAL 23803	49.02 1.48 0.00	46.92 2.05 0.00	49.20 2.08 0.00	48.13 1.40 0.00	43.46 1.20 0.00	44.82 1.27 0.00	58.20 1.83 0.00	40.43 1.26 0.00	41.47 1.28 0.00	50.90 1.43 0.00	95.85 2.76 0.00	94.39 2.56 0.00	83.67 2.48 0.00	79.06 2.34 0.00	89.44 2.61 0.00	89.58 2.51 0.00	80.84 2.37 0.00	102.14 3.11 0.00	77.61 2.14 0.00	75.83 2.06 0.00	67.23 1.78 0.00	72.10 1.76 0.00	76.95 1.65 0.00	86.37 1.69 0.00
CAITHNESS_CC_1 323624	50.47 2.93 0.00	47.18 2.31 0.00	49.23 2.11 0.00	48.80 2.08 0.00	44.17 1.91 0.00	45.90 2.35 0.00	59.77 3.39 0.00	42.33 3.16 0.00	43.20 3.01 0.00	53.63 4.16 0.00	100.83 7.74 -0.01	103.73 8.08 -3.82	88.38 7.19 -0.01	83.32 6.60 0.00	94.24 7.40 0.00	94.60 7.52 0.00	86.36 7.16 -0.73	108.27 8.92 -0.32	88.79 7.47 -5.85	83.04 6.93 -2.34	71.49 6.04 0.00	76.41 6.08 0.00	81.81 6.51 0.00	91.52 6.52 -0.32
CALPINE BETH_PAGE_GT4 24209	50.20 2.66 0.00	47.00 2.13 0.00	49.07 1.95 0.00	48.68 1.95 0.00	44.11 1.85 0.00	45.73 2.18 0.00	59.35 2.98 0.00	41.96 2.80 0.00	42.95 2.76 0.00	53.19 3.72 0.00	100.20 7.11 -2.99	102.10 7.28 0.00	87.32 6.12 0.00	82.32 5.60 0.00	93.36 6.52 0.00	93.60 6.53 0.00	85.49 6.12 -0.90	107.14 7.71 -0.40	88.97 6.40 -7.11	82.67 5.98 -2.91	70.62 5.17 0.00	75.52 5.18 0.00	80.72 5.43 0.00	90.62 5.54 -0.40
CALPINE_BETH_PAGE_GT_4 323586	50.20 2.66 0.00	47.00 2.13 0.00	49.07 1.95 0.00	48.68 1.95 0.00	44.11 1.85 0.00	45.73 2.18 0.00	59.35 2.98 0.00	41.96 2.80 0.00	42.95 2.76 0.00	53.20 3.72 0.00	100.20 7.10 -2.99	102.10 7.28 0.00	87.31 6.12 0.00	82.32 5.60 0.00	93.36 6.52 0.00	93.60 6.53 0.00	85.50 6.12 -0.90	107.13 7.71 -0.40	88.97 6.40 -7.11	82.67 5.98 -2.91	70.62 5.17 0.00	75.52 5.18 0.00	80.72 5.43 0.00	90.63 5.55 -0.40
CALPINE_BP_GT1 23823	50.20 2.66 0.00	47.00 2.13 0.00	49.07 1.95 0.00	48.68 1.95 0.00	44.11 1.85 0.00	45.73 2.18 0.00	59.35 2.98 0.00	41.96 2.80 0.00	42.95 2.76 0.00	53.20 3.72 0.00	100.20 7.10 -2.99	102.10 7.28 0.00	87.31 6.12 0.00	82.32 5.60 0.00	93.36 6.52 0.00	93.60 6.53 0.00	85.50 6.12 -0.90	107.13 7.71 -0.40	88.97 6.40 -7.11	82.67 5.98 -2.91	70.62 5.17 0.00	75.52 5.18 0.00	80.72 5.43 0.00	90.63 5.55 -0.40
CALSPAN___DRP 24200	45.51 -2.03 0.00	42.60 -2.27 0.00	44.87 -2.25 0.00	44.45 -2.28 0.00	40.40 -1.86 0.00	41.40 -2.14 0.00	53.17 -3.20 0.00	36.53 -2.64 0.00	37.59 -2.60 0.00	45.93 -3.55 0.00	85.30 -7.79 0.00	84.21 -7.62 0.00	74.58 -6.60 0.00	70.21 -6.51 0.00	79.44 -7.40 0.00	79.18 -7.89 0.00	70.74 -7.73 0.00	89.75 -9.28 0.00	67.28 -8.18 0.00	65.27 -8.51 0.00	58.22 -7.23 0.00	63.05 -7.29 0.00	68.35 -6.95 0.00	77.95 -6.73 0.00

CALVERTON___SOLAR 323806	50.82 3.29 0.00	47.50 2.63 0.00	49.55 2.43 0.00	49.10 2.37 0.00	44.41 2.14 0.00	46.16 2.61 0.00	60.12 3.75 0.00	42.59 3.42 0.00	43.46 3.27 0.00	53.95 4.47 0.00	101.26 8.16 -0.01	104.13 8.48 -3.81	88.89 7.69 -0.01	83.80 7.08 0.00	94.71 7.87 0.00	95.13 8.06 0.00	86.87 7.67 -0.73	109.03 9.67 -0.32	89.32 8.01 -5.85	83.57 7.46 -2.34	71.92 6.47 0.00	76.85 6.51 0.00	82.27 6.97 0.00	91.97 6.97 -0.32
CANDIGU_WT_PWR 323617	46.07 -1.47 0.00	43.17 -1.70 0.00	45.13 -1.98 0.00	44.70 -2.03 0.00	40.71 -1.55 0.00	41.81 -1.74 0.00	54.15 -2.22 0.00	37.54 -1.63 0.00	38.56 -1.63 0.00	47.36 -2.11 0.00	88.74 -4.35 0.00	87.80 -4.03 0.00	77.86 -3.33 0.00	73.57 -3.15 0.00	83.42 -3.42 0.00	83.23 -3.84 0.00	74.67 -3.80 0.00	94.27 -4.76 0.00	71.02 -4.44 0.00	68.94 -4.83 0.00	61.03 -4.42 0.00	65.71 -4.63 0.00	70.44 -4.86 0.00	79.46 -5.22 0.00
CARR STREET_E_SYR 24060	46.39 -1.15 0.00	43.72 -1.16 0.00	45.88 -1.24 0.00	45.51 -1.22 0.00	41.21 -1.05 0.00	42.51 -1.04 0.00	55.17 -1.20 0.00	38.43 -0.74 0.00	39.46 -0.73 0.00	48.50 -0.98 0.00	91.14 -1.95 0.00	89.91 -1.93 0.00	79.49 -1.70 0.00	75.13 -1.60 0.00	85.08 -1.75 0.00	85.22 -1.86 0.00	76.84 -1.63 0.00	97.06 -1.98 0.00	73.64 -1.82 0.00	71.85 -1.92 0.00	63.70 -1.75 0.00	68.35 -2.00 0.00	73.12 -2.18 0.00	82.22 -2.46 0.00
CARTHAGE___PAPER 23857	49.27 1.74 0.00	47.66 2.79 0.00	49.95 2.83 0.00	48.34 1.60 0.00	43.62 1.35 0.00	44.95 1.40 0.00	58.38 2.01 0.00	40.48 1.30 0.00	41.45 1.26 0.00	50.71 1.24 0.00	95.69 2.60 0.00	93.91 2.08 0.00	83.24 2.06 0.00	78.68 1.96 0.00	89.00 2.17 0.00	89.21 2.14 0.00	80.67 2.20 0.00	102.07 3.04 0.00	77.48 2.02 0.00	75.66 1.90 0.00	67.05 1.60 0.00	71.98 1.63 0.00	76.78 1.48 0.00	86.12 1.44 0.00
CASSADAGA_WT_PWR 323784	46.34 -1.20 0.00	43.32 -1.55 0.00	45.62 -1.50 0.00	45.21 -1.52 0.00	41.09 -1.17 0.00	42.23 -1.32 0.00	54.30 -2.07 0.00	37.44 -1.73 0.00	38.54 -1.64 0.00	47.18 -2.30 0.00	87.88 -5.21 0.00	86.85 -4.98 0.00	76.84 -4.34 0.00	72.44 -4.28 0.00	81.70 -5.14 0.00	81.63 -5.45 0.00	72.83 -5.64 0.00	92.40 -6.63 0.00	69.13 -6.33 0.00	66.73 -7.04 0.00	59.67 -5.79 0.00	64.75 -5.58 0.00	70.11 -5.19 0.00	79.75 -4.93 0.00
CE_DUNWOOD___DRP 24194	49.27 1.74 0.00	46.25 1.38 0.00	48.32 1.20 0.00	47.98 1.25 0.00	43.51 1.25 0.00	44.99 1.44 0.00	58.59 2.21 0.00	41.25 2.08 0.00	42.37 2.18 0.00	52.21 2.74 0.00	98.32 5.24 0.00	97.28 5.44 0.00	85.89 4.70 0.00	81.32 4.60 0.00	92.27 5.43 0.00	92.46 5.39 0.00	83.47 5.00 0.00	105.32 6.28 0.00	80.60 5.13 0.00	78.57 4.80 0.00	69.55 4.09 0.00	74.44 4.09 0.00	79.50 4.20 0.00	88.82 4.14 0.00
CE_MILLWOOD___DRP 24193	49.18 1.64 0.00	46.17 1.30 0.00	48.25 1.13 0.00	47.91 1.18 0.00	43.44 1.17 0.00	44.91 1.36 0.00	58.47 2.10 0.00	41.16 1.99 0.00	42.28 2.09 0.00	52.11 2.63 0.00	98.10 5.01 0.00	97.01 5.17 0.00	85.67 4.48 0.00	81.13 4.40 0.00	92.03 5.19 0.00	92.22 5.14 0.00	83.27 4.79 0.00	105.08 6.04 0.00	80.40 4.93 0.00	78.39 4.62 0.00	69.39 3.93 0.00	74.26 3.92 0.00	79.32 4.03 0.00	88.64 3.96 0.00
CE_NYC2_DRP 24202	49.40 1.87 0.00	46.34 1.47 0.00	48.37 1.25 0.00	48.04 1.31 0.00	43.56 1.30 0.00	45.06 1.51 0.00	58.78 2.41 0.00	41.40 2.23 0.00	42.57 2.37 0.00	52.43 2.95 0.00	98.83 5.74 0.00	97.73 5.89 0.00	86.31 5.12 0.00	81.75 5.03 0.00	92.76 5.92 0.00	92.95 5.88 0.00	83.88 5.41 0.00	105.72 6.68 0.00	80.99 5.52 0.00	78.89 5.12 0.00	69.78 4.33 0.00	74.66 4.32 0.00	79.74 4.45 0.00	88.99 4.31 0.00
CE_NYC_DRP 24195	49.37 1.84 0.00	46.31 1.44 0.00	48.36 1.24 0.00	48.02 1.29 0.00	43.55 1.29 0.00	45.04 1.50 0.00	58.75 2.38 0.00	41.41 2.24 0.00	42.58 2.38 0.00	52.47 2.99 0.00	98.82 5.73 0.00	97.74 5.91 0.00	86.29 5.10 0.00	81.72 5.00 0.00	92.71 5.88 0.00	92.91 5.83 0.00	83.87 5.40 0.00	105.75 6.72 0.00	80.95 5.49 0.00	78.85 5.08 0.00	69.76 4.30 0.00	74.67 4.33 0.00	79.76 4.46 0.00	89.01 4.33 0.00
CHAFFEE___LFGE 323603	45.79 -1.75 0.00	42.86 -2.01 0.00	45.13 -1.99 0.00	44.71 -2.02 0.00	40.70 -1.57 0.00	41.69 -1.86 0.00	53.61 -2.76 0.00	36.85 -2.32 0.00	37.91 -2.28 0.00	46.36 -3.12 0.00	86.03 -7.06 0.00	84.96 -6.88 0.00	75.30 -5.88 0.00	70.90 -5.82 0.00	80.24 -6.59 0.00	79.98 -7.09 0.00	71.43 -7.04 0.00	90.69 -8.34 0.00	68.05 -7.41 0.00	66.03 -7.74 0.00	58.89 -6.56 0.00	63.73 -6.61 0.00	69.06 -6.24 0.00	78.62 -6.06 0.00
CHATEAUG_35_KV_LOAD 355732	48.76 1.22 0.00	46.36 1.50 0.00	48.78 1.66 0.00	48.10 1.38 0.00	43.51 1.24 0.00	44.62 1.07 0.00	57.42 1.05 0.00	39.69 0.51 0.00	40.65 0.46 0.00	50.03 0.55 0.00	94.10 1.01 0.00	92.85 1.01 0.00	82.41 1.22 0.00	77.50 0.78 0.00	87.80 0.97 0.00	87.89 0.82 0.00	79.38 0.90 0.00	99.95 0.92 0.00	76.31 0.84 0.00	74.78 1.00 0.00	66.39 0.94 0.00	71.69 1.36 0.00	76.86 1.56 0.00	86.69 2.01 0.00
CHATEAUG_WT_PWR 323614	48.58 1.04 0.00	46.07 1.20 0.00	48.51 1.39 0.00	47.91 1.18 0.00	43.35 1.09 0.00	44.48 0.94 0.00	57.30 0.92 0.00	39.65 0.48 0.00	40.61 0.43 0.00	49.99 0.51 0.00	94.00 0.91 0.00	92.71 0.88 0.00	82.29 1.10 0.00	77.40 0.68 0.00	87.71 0.88 0.00	87.72 0.65 0.00	79.27 0.80 0.00	99.76 0.72 0.00	76.14 0.68 0.00	74.66 0.88 0.00	66.26 0.81 0.00	71.55 1.21 0.00	76.73 1.43 0.00	86.46 1.78 0.00
CHAT_HIGH_FALL_HYD 323578	48.76 1.22 0.00	46.36 1.50 0.00	48.78 1.66 0.00	48.10 1.38 0.00	43.51 1.24 0.00	44.62 1.07 0.00	57.42 1.05 0.00	39.69 0.51 0.00	40.65 0.46 0.00	50.03 0.55 0.00	94.10 1.01 0.00	92.85 1.01 0.00	82.41 1.22 0.00	77.50 0.78 0.00	87.80 0.97 0.00	87.89 0.82 0.00	79.38 0.90 0.00	99.95 0.92 0.00	76.31 0.84 0.00	74.78 1.00 0.00	66.39 0.94 0.00	71.69 1.36 0.00	76.86 1.56 0.00	86.69 2.01 0.00
CHAUTAUQUA___LFGE 323629	45.95 -1.59 0.00	42.96 -1.91 0.00	45.25 -1.87 0.00	44.84 -1.89 0.00	40.74 -1.53 0.00	41.81 -1.74 0.00	53.68 -2.69 0.00	36.92 -2.25 0.00	38.05 -2.14 0.00	46.51 -2.96 0.00	86.46 -6.63 0.00	85.41 -6.43 0.00	75.60 -5.59 0.00	71.33 -5.39 0.00	80.42 -6.42 0.00	80.47 -6.60 0.00	71.86 -6.61 0.00	91.13 -7.90 0.00	68.16 -7.31 0.00	65.92 -7.85 0.00	58.89 -6.56 0.00	63.91 -6.43 0.00	69.23 -6.07 0.00	78.89 -5.79 0.00
CHERRYST_13_KV_LD 356241	49.50 1.96 0.00	46.42 1.55 0.00	48.49 1.37 0.00	48.14 1.41 0.00	43.65 1.39 0.00	45.17 1.62 0.00	58.92 2.55 0.00	41.53 2.37 0.00	42.71 2.53 0.00	52.65 3.17 0.00	99.13 6.05 0.00	98.05 6.21 0.00	86.58 5.39 0.00	81.98 5.26 0.00	93.03 6.19 0.00	93.23 6.16 0.00	84.14 5.67 0.00	106.10 7.06 0.00	81.19 5.73 0.00	79.08 5.30 0.00	69.95 4.49 0.00	74.86 4.52 0.00	79.97 4.67 0.00	89.25 4.57 0.00

CHESTROR_138KV_BK263 355645	48.87 1.33 0.00	45.91 1.04 0.00	48.01 0.89 0.00	47.67 0.95 0.00	43.22 0.95 0.00	44.65 1.10 0.00	58.08 1.71 0.00	40.85 1.68 0.00	41.94 1.75 0.00	51.66 2.19 0.00	97.19 4.10 0.00	96.05 4.22 0.00	84.87 3.68 0.00	80.36 3.64 0.00	91.15 4.31 0.00	91.36 4.28 0.00	82.47 4.00 0.00	104.11 5.07 0.00	79.61 4.15 0.00	77.62 3.85 0.00	68.74 3.29 0.00	73.59 3.25 0.00	78.60 3.30 0.00	87.89 3.21 0.00
CH_MIDHUDSON___DRP 24192	49.56 2.02 0.00	46.53 1.66 0.00	48.62 1.50 0.00	48.27 1.54 0.00	43.77 1.50 0.00	45.27 1.72 0.00	58.98 2.61 0.00	41.50 2.33 0.00	42.65 2.46 0.00	52.56 3.08 0.00	98.96 5.87 0.00	97.93 6.10 0.00	86.50 5.31 0.00	81.90 5.18 0.00	92.95 6.12 0.00	93.14 6.06 0.00	84.09 5.62 0.00	106.17 7.13 0.00	81.20 5.73 0.00	79.22 5.45 0.00	70.11 4.66 0.00	75.02 4.68 0.00	80.10 4.80 0.00	89.48 4.79 0.00
CH_MISC_IPPS 23765	49.78 2.24 0.00	46.72 1.85 0.00	48.82 1.71 0.00	48.47 1.74 0.00	43.95 1.69 0.00	45.47 1.93 0.00	59.26 2.89 0.00	41.71 2.54 0.00	42.86 2.67 0.00	52.83 3.35 0.00	99.48 6.39 0.00	98.39 6.55 0.00	86.89 5.70 0.00	82.30 5.58 0.00	93.39 6.55 0.00	93.58 6.51 0.00	84.49 6.02 0.00	106.71 7.68 0.00	81.59 6.13 0.00	79.58 5.81 0.00	70.41 4.96 0.00	75.35 5.01 0.00	80.41 5.12 0.00	89.81 5.13 0.00
CH_RES_BVR_FALLS 23983	47.81 0.28 0.00	45.20 0.33 0.00	47.50 0.38 0.00	47.09 0.36 0.00	42.60 0.33 0.00	43.80 0.26 0.00	56.52 0.15 0.00	39.08 -0.09 0.00	40.10 -0.09 0.00	49.36 -0.12 0.00	92.95 -0.14 0.00	91.77 -0.06 0.00	81.19 0.00 0.00	76.57 -0.15 0.00	86.57 -0.27 0.00	86.98 -0.10 0.00	78.43 -0.04 0.00	98.90 -0.14 0.00	75.33 -0.13 0.00	73.71 -0.06 0.00	65.46 0.01 0.00	70.45 0.11 0.00	75.45 0.15 0.00	84.90 0.22 0.00
CH_RES_NIAGARA 23895	43.88 -3.66 0.00	41.11 -3.76 0.00	43.37 -3.75 0.00	42.96 -3.77 0.00	39.03 -3.23 0.00	39.93 -3.62 0.00	51.10 -5.27 0.00	34.96 -4.22 0.00	36.02 -4.17 0.00	43.88 -5.60 0.00	81.20 -11.89 0.00	80.09 -11.75 0.00	70.86 -10.33 0.00	66.72 -10.01 0.00	75.39 -11.45 0.00	75.28 -11.79 0.00	67.17 -11.30 0.00	85.21 -13.82 0.00	63.83 -11.63 0.00	61.98 -11.80 0.00	55.37 -10.08 0.00	60.10 -10.24 0.00	65.31 -9.99 0.00	74.85 -9.83 0.00
CH_RES_SYRACUSE 23985	46.71 -0.83 0.00	44.02 -0.85 0.00	46.21 -0.91 0.00	45.82 -0.92 0.00	41.48 -0.79 0.00	42.81 -0.73 0.00	55.56 -0.81 0.00	38.66 -0.51 0.00	39.68 -0.51 0.00	48.78 -0.70 0.00	91.71 -1.38 0.00	90.52 -1.31 0.00	79.99 -1.20 0.00	75.61 -1.11 0.00	85.55 -1.29 0.00	85.78 -1.30 0.00	77.90 -0.57 0.00	98.43 -0.60 0.00	74.42 -1.04 0.00	72.57 -1.20 0.00	64.30 -1.15 0.00	68.96 -1.38 0.00	73.78 -1.52 0.00	82.93 -1.75 0.00
CLINTON_WT_PWR 323605	48.58 1.04 0.00	46.07 1.20 0.00	48.51 1.39 0.00	47.91 1.18 0.00	43.35 1.09 0.00	44.48 0.94 0.00	57.30 0.92 0.00	39.65 0.48 0.00	40.61 0.43 0.00	49.99 0.51 0.00	94.00 0.91 0.00	92.71 0.88 0.00	82.29 1.10 0.00	77.40 0.68 0.00	87.71 0.88 0.00	87.72 0.65 0.00	79.27 0.80 0.00	99.76 0.72 0.00	76.14 0.68 0.00	74.66 0.88 0.00	66.26 0.81 0.00	71.55 1.21 0.00	76.73 1.43 0.00	86.46 1.78 0.00
CLINTON___LFGE 323618	49.21 1.67 0.00	46.63 1.76 0.00	49.11 1.99 0.00	48.51 1.78 0.00	43.90 1.63 0.00	45.08 1.53 0.00	58.08 1.71 0.00	40.29 1.12 0.00	41.25 1.06 0.00	50.76 1.28 0.00	95.43 2.34 0.00	94.10 2.26 0.00	83.77 2.58 0.00	78.65 1.93 0.00	89.24 2.40 0.00	89.08 2.01 0.00	80.63 2.16 0.00	101.42 2.39 0.00	77.49 2.03 0.00	75.99 2.22 0.00	67.35 1.90 0.00	72.69 2.35 0.00	77.94 2.64 0.00	87.75 3.07 0.00
COBBLENY_34_KV_TB1 80064	45.78 -1.75 0.00	42.86 -2.01 0.00	45.13 -1.99 0.00	44.71 -2.02 0.00	40.70 -1.57 0.00	41.69 -1.86 0.00	53.61 -2.76 0.00	36.85 -2.32 0.00	37.92 -2.27 0.00	46.37 -3.11 0.00	86.02 -7.07 0.00	84.95 -6.89 0.00	75.30 -5.88 0.00	70.89 -5.83 0.00	80.24 -6.59 0.00	79.98 -7.10 0.00	71.43 -7.04 0.00	90.69 -8.34 0.00	68.05 -7.41 0.00	66.03 -7.74 0.00	58.88 -6.57 0.00	63.73 -6.61 0.00	69.06 -6.24 0.00	78.61 -6.07 0.00
COFFEEN___115KV_TB3 355620	48.84 1.31 0.00	46.91 2.04 0.00	49.14 2.02 0.00	47.86 1.13 0.00	43.26 1.00 0.00	44.69 1.14 0.00	58.25 1.88 0.00	40.52 1.35 0.00	41.47 1.28 0.00	50.71 1.23 0.00	95.64 2.55 0.00	93.84 2.00 0.00	83.03 1.84 0.00	78.60 1.88 0.00	88.93 2.10 0.00	89.16 2.08 0.00	80.71 2.24 0.00	102.21 3.18 0.00	77.56 2.09 0.00	75.70 1.93 0.00	67.05 1.60 0.00	71.84 1.50 0.00	76.56 1.26 0.00	85.73 1.04 0.00
COLDSPRG_115KV_BK1 355956	46.66 -0.88 0.00	43.66 -1.21 0.00	45.94 -1.18 0.00	45.55 -1.18 0.00	41.47 -0.80 0.00	42.65 -0.90 0.00	54.96 -1.41 0.00	37.89 -1.28 0.00	38.91 -1.28 0.00	47.63 -1.85 0.00	88.91 -4.18 0.00	87.89 -3.94 0.00	77.89 -3.30 0.00	73.37 -3.35 0.00	82.99 -3.85 0.00	82.63 -4.44 0.00	73.65 -4.82 0.00	93.61 -5.42 0.00	70.37 -5.10 0.00	68.16 -5.61 0.00	60.77 -4.68 0.00	65.81 -4.53 0.00	71.28 -4.01 0.00	80.66 -4.03 0.00
COLONIE_LFGE___ 323577	49.27 1.74 0.00	46.46 1.59 0.00	48.74 1.62 0.00	48.36 1.63 0.00	43.75 1.49 0.00	45.14 1.60 0.00	58.67 2.29 0.00	41.04 1.87 0.00	42.07 1.88 0.00	51.84 2.36 0.00	97.66 4.57 0.00	96.29 4.45 0.00	84.87 3.68 0.00	80.25 3.53 0.00	91.01 4.18 0.00	91.20 4.13 0.00	82.33 3.85 0.00	104.00 4.97 0.00	79.30 3.84 0.00	77.44 3.67 0.00	68.54 3.09 0.00	73.40 3.06 0.00	78.48 3.18 0.00	88.10 3.42 0.00
COOPERNY_115KV_TB1 80082	48.42 0.88 0.00	45.55 0.68 0.00	47.70 0.58 0.00	47.35 0.62 0.00	42.88 0.61 0.00	44.27 0.72 0.00	57.57 1.20 0.00	40.50 1.33 0.00	41.57 1.38 0.00	51.17 1.70 0.00	95.94 2.85 0.00	94.75 2.91 0.00	83.74 2.55 0.00	79.25 2.53 0.00	89.86 3.03 0.00	90.07 3.00 0.00	81.27 2.81 0.00	102.59 3.56 0.00	78.36 2.90 0.00	76.46 2.69 0.00	67.72 2.27 0.00	72.57 2.23 0.00	77.56 2.27 0.00	86.84 2.15 0.00
COPENHAGEN_WT_PWR 323753	48.39 0.85 0.00	46.45 1.58 0.00	48.67 1.55 0.00	47.42 0.70 0.00	42.87 0.61 0.00	44.25 0.70 0.00	57.57 1.20 0.00	39.98 0.81 0.00	40.92 0.73 0.00	50.07 0.59 0.00	94.47 1.38 0.00	92.81 0.98 0.00	82.15 0.96 0.00	77.74 1.01 0.00	87.87 1.04 0.00	88.01 0.94 0.00	79.55 1.08 0.00	100.72 1.69 0.00	76.42 0.96 0.00	74.60 0.83 0.00	66.11 0.66 0.00	70.84 0.50 0.00	75.54 0.24 0.00	84.64 -0.04 0.00
CORNELL_____ 23752	47.99 0.45 0.00	45.16 0.29 0.00	47.38 0.26 0.00	47.00 0.27 0.00	42.58 0.32 0.00	43.97 0.42 0.00	57.17 0.80 0.00	39.60 0.43 0.00	40.68 0.48 0.00	50.06 0.58 0.00	94.65 1.56 0.00	93.47 1.63 0.00	82.61 1.42 0.00	78.11 1.39 0.00	88.41 1.57 0.00	88.57 1.50 0.00	80.03 1.56 0.00	101.17 2.13 0.00	76.59 1.12 0.00	74.68 0.91 0.00	66.18 0.73 0.00	70.87 0.53 0.00	75.73 0.43 0.00	84.94 0.26 0.00

CORONA__69_KV_TB1 355595	50.07 2.53 0.00	46.86 1.99 0.00	48.93 1.81 0.00	48.55 1.82 0.00	43.97 1.71 0.00	45.58 2.03 0.00	59.34 2.97 0.00	41.91 2.74 0.00	42.92 2.73 0.00	53.12 3.65 0.00	100.20 7.11 0.00	100.10 7.35 -0.91	87.43 6.24 0.00	82.51 5.78 0.00	93.59 6.75 0.00	93.86 6.79 0.00	86.10 6.33 -1.30	107.53 7.92 -0.57	91.88 6.53 -9.88	84.09 6.13 -4.19	70.79 5.34 0.00	75.71 5.37 0.00	80.92 5.62 0.00	90.95 5.69 -0.57
CORTLAND__115KV_TB3 80093	47.55 0.01 0.00	44.79 -0.08 0.00	47.00 -0.11 0.00	46.62 -0.11 0.00	42.22 -0.04 0.00	43.56 0.02 0.00	56.63 0.25 0.00	39.45 0.28 0.00	40.51 0.33 0.00	49.82 0.35 0.00	93.75 0.66 0.00	92.55 0.71 0.00	81.80 0.61 0.00	77.35 0.63 0.00	87.59 0.76 0.00	87.72 0.64 0.00	79.11 0.64 0.00	99.94 0.91 0.00	75.79 0.33 0.00	73.95 0.18 0.00	65.51 0.06 0.00	70.23 -0.11 0.00	75.05 -0.25 0.00	84.25 -0.43 0.00
COXSACKIE__GT 23611	50.97 3.43 0.00	48.05 3.18 0.00	50.41 3.29 0.00	50.02 3.29 0.00	45.27 3.00 0.00	46.83 3.29 0.00	61.01 4.64 0.00	42.82 3.64 0.00	43.92 3.73 0.00	54.10 4.62 0.00	101.95 8.86 0.00	100.54 8.71 0.00	88.88 7.69 0.00	84.21 7.49 0.00	95.57 8.74 0.00	95.85 8.77 0.00	86.70 8.22 0.00	109.55 10.51 0.00	83.37 7.91 0.00	81.26 7.48 0.00	71.82 6.37 0.00	76.84 6.50 0.00	81.98 6.69 0.00	91.95 7.27 0.00
CPV_VALLEY__CC1 323721	48.48 0.95 0.00	45.56 0.69 0.00	47.68 0.56 0.00	47.34 0.61 0.00	42.89 0.62 0.00	44.31 0.76 0.00	57.64 1.27 0.00	40.50 1.33 0.00	41.57 1.38 0.00	51.22 1.75 0.00	96.34 3.25 0.00	95.20 3.37 0.00	84.11 2.92 0.00	79.63 2.91 0.00	90.33 3.50 0.00	90.52 3.44 0.00	81.71 3.23 0.00	103.13 4.09 0.00	78.86 3.40 0.00	76.90 3.12 0.00	68.10 2.65 0.00	72.93 2.59 0.00	77.92 2.62 0.00	87.17 2.48 0.00
CPV_VALLEY__CC2 323722	48.48 0.95 0.00	45.56 0.69 0.00	47.68 0.56 0.00	47.34 0.61 0.00	42.89 0.62 0.00	44.31 0.76 0.00	57.64 1.27 0.00	40.50 1.33 0.00	41.57 1.38 0.00	51.22 1.75 0.00	96.34 3.25 0.00	95.20 3.37 0.00	84.11 2.92 0.00	79.63 2.91 0.00	90.33 3.50 0.00	90.52 3.44 0.00	81.71 3.23 0.00	103.13 4.09 0.00	78.86 3.40 0.00	76.90 3.12 0.00	68.10 2.65 0.00	72.93 2.59 0.00	77.92 2.62 0.00	87.17 2.48 0.00
CRESCENT__HYD 24018	49.27 1.74 0.00	46.46 1.59 0.00	48.74 1.62 0.00	48.36 1.63 0.00	43.75 1.49 0.00	45.14 1.60 0.00	58.67 2.29 0.00	41.04 1.87 0.00	42.07 1.88 0.00	51.84 2.36 0.00	97.66 4.57 0.00	96.29 4.45 0.00	84.87 3.68 0.00	80.25 3.53 0.00	91.01 4.18 0.00	91.20 4.13 0.00	82.33 3.85 0.00	104.00 4.97 0.00	79.30 3.84 0.00	77.44 3.67 0.00	68.54 3.09 0.00	73.40 3.06 0.00	78.48 3.18 0.00	88.10 3.42 0.00
CRICKET__VALLEY_CC1 323756	48.95 1.42 0.00	45.99 1.12 0.00	48.04 0.92 0.00	47.70 0.98 0.00	43.25 0.98 0.00	44.72 1.17 0.00	58.19 1.82 0.00	40.92 1.75 0.00	42.04 1.84 0.00	51.81 2.33 0.00	97.64 4.55 0.00	96.74 4.91 0.00	85.44 4.25 0.00	80.89 4.17 0.00	91.82 4.98 0.00	92.01 4.94 0.00	83.04 4.57 0.00	104.80 5.77 0.00	80.17 4.71 0.00	78.36 4.59 0.00	69.36 3.91 0.00	74.27 3.93 0.00	79.37 4.07 0.00	88.72 4.04 0.00
CRICKET__VALLEY_CC2 323757	48.95 1.42 0.00	45.99 1.12 0.00	48.04 0.92 0.00	47.70 0.98 0.00	43.25 0.98 0.00	44.72 1.17 0.00	58.19 1.82 0.00	40.92 1.75 0.00	42.04 1.84 0.00	51.81 2.33 0.00	97.64 4.55 0.00	96.74 4.91 0.00	85.44 4.25 0.00	80.89 4.17 0.00	91.82 4.98 0.00	92.01 4.94 0.00	83.04 4.57 0.00	104.80 5.77 0.00	80.17 4.71 0.00	78.36 4.59 0.00	69.36 3.91 0.00	74.27 3.93 0.00	79.37 4.07 0.00	88.72 4.04 0.00
CRICKET__VALLEY_CC3 323758	48.95 1.42 0.00	45.99 1.12 0.00	48.04 0.92 0.00	47.70 0.98 0.00	43.25 0.98 0.00	44.72 1.17 0.00	58.19 1.82 0.00	40.92 1.75 0.00	42.04 1.84 0.00	51.81 2.33 0.00	97.64 4.55 0.00	96.74 4.91 0.00	85.44 4.25 0.00	80.89 4.17 0.00	91.82 4.98 0.00	92.01 4.94 0.00	83.04 4.57 0.00	104.80 5.77 0.00	80.17 4.71 0.00	78.36 4.59 0.00	69.36 3.91 0.00	74.27 3.93 0.00	79.37 4.07 0.00	88.72 4.04 0.00
CRUCIBLE__METL_DRP 24180	46.71 -0.83 0.00	44.02 -0.85 0.00	46.21 -0.91 0.00	45.82 -0.91 0.00	41.48 -0.79 0.00	42.82 -0.73 0.00	55.56 -0.81 0.00	38.66 -0.51 0.00	39.68 -0.51 0.00	48.78 -0.69 0.00	91.71 -1.38 0.00	90.52 -1.31 0.00	79.98 -1.20 0.00	75.61 -1.11 0.00	85.55 -1.29 0.00	85.78 -1.30 0.00	77.89 -0.58 0.00	98.43 -0.60 0.00	74.41 -1.05 0.00	72.58 -1.19 0.00	64.30 -1.15 0.00	68.96 -1.38 0.00	73.78 -1.51 0.00	82.94 -1.75 0.00
DAHOWA__HYDRO 323763	49.86 2.33 0.00	46.98 2.11 0.00	49.28 2.16 0.00	48.92 2.19 0.00	44.28 2.01 0.00	45.68 2.13 0.00	59.43 3.06 0.00	41.55 2.38 0.00	42.57 2.38 0.00	52.49 3.01 0.00	98.54 5.45 0.00	97.12 5.29 0.00	85.46 4.27 0.00	80.58 3.86 0.00	91.44 4.61 0.00	91.66 4.59 0.00	82.82 4.35 0.00	104.66 5.63 0.00	79.82 4.35 0.00	77.94 4.17 0.00	68.93 3.48 0.00	73.75 3.41 0.00	78.74 3.44 0.00	88.33 3.65 0.00
DANC__LFGE 323619	47.39 -0.15 0.00	45.20 0.33 0.00	47.38 0.26 0.00	46.46 -0.27 0.00	42.02 -0.24 0.00	43.36 -0.19 0.00	56.36 -0.01 0.00	39.18 0.01 0.00	40.12 -0.07 0.00	49.16 -0.32 0.00	92.61 -0.48 0.00	91.09 -0.75 0.00	80.62 -0.56 0.00	76.26 -0.46 0.00	86.23 -0.60 0.00	86.40 -0.67 0.00	78.03 -0.44 0.00	98.74 -0.29 0.00	74.99 -0.48 0.00	73.20 -0.58 0.00	64.88 -0.58 0.00	69.55 -0.79 0.00	74.28 -1.02 0.00	83.37 -1.31 0.00
DANSKAMMER__1 23586	49.78 2.24 0.00	46.72 1.85 0.00	48.82 1.71 0.00	48.47 1.74 0.00	43.95 1.69 0.00	45.47 1.93 0.00	59.26 2.89 0.00	41.71 2.54 0.00	42.86 2.67 0.00	52.83 3.35 0.00	99.48 6.39 0.00	98.39 6.55 0.00	86.89 5.70 0.00	82.30 5.58 0.00	93.39 6.55 0.00	93.58 6.51 0.00	84.49 6.02 0.00	106.71 7.68 0.00	81.59 6.13 0.00	79.58 5.81 0.00	70.41 4.96 0.00	75.35 5.01 0.00	80.41 5.12 0.00	89.81 5.13 0.00
DANSKAMMER__2 23589	49.78 2.24 0.00	46.72 1.85 0.00	48.82 1.71 0.00	48.47 1.74 0.00	43.95 1.69 0.00	45.47 1.93 0.00	59.26 2.89 0.00	41.71 2.54 0.00	42.86 2.67 0.00	52.83 3.35 0.00	99.48 6.39 0.00	98.39 6.55 0.00	86.89 5.70 0.00	82.30 5.58 0.00	93.39 6.55 0.00	93.58 6.51 0.00	84.49 6.02 0.00	106.71 7.68 0.00	81.59 6.13 0.00	79.58 5.81 0.00	70.41 4.96 0.00	75.35 5.01 0.00	80.41 5.12 0.00	89.81 5.13 0.00
DANSKAMMER__3 23590	49.78 2.24 0.00	46.72 1.85 0.00	48.82 1.71 0.00	48.47 1.74 0.00	43.95 1.69 0.00	45.47 1.93 0.00	59.26 2.89 0.00	41.71 2.54 0.00	42.86 2.67 0.00	52.83 3.35 0.00	99.48 6.39 0.00	98.39 6.55 0.00	86.89 5.70 0.00	82.30 5.58 0.00	93.39 6.55 0.00	93.58 6.51 0.00	84.49 6.02 0.00	106.71 7.68 0.00	81.59 6.13 0.00	79.58 5.81 0.00	70.41 4.96 0.00	75.35 5.01 0.00	80.41 5.12 0.00	89.81 5.13 0.00

DANSKAMMER___4 23591	49.78 2.24 0.00	46.72 1.85 0.00	48.82 1.71 0.00	48.47 1.74 0.00	43.95 1.69 0.00	45.47 1.93 0.00	59.26 2.89 0.00	41.71 2.54 0.00	42.86 2.67 0.00	52.83 3.35 0.00	99.48 6.39 0.00	98.39 6.55 0.00	86.89 5.70 0.00	82.30 5.58 0.00	93.39 6.55 0.00	93.58 6.51 0.00	84.49 6.02 0.00	106.71 7.68 0.00	81.59 6.13 0.00	79.58 5.81 0.00	70.41 4.96 0.00	75.35 5.01 0.00	80.41 5.12 0.00	89.81 5.13 0.00
DANSKAMMER___DIESEL 23592	49.78 2.24 0.00	46.71 1.85 0.00	48.83 1.71 0.00	48.47 1.74 0.00	43.95 1.69 0.00	45.48 1.93 0.00	59.26 2.89 0.00	41.71 2.54 0.00	42.86 2.67 0.00	52.82 3.34 0.00	99.48 6.39 0.00	98.38 6.55 0.00	86.89 5.70 0.00	82.30 5.58 0.00	93.38 6.54 0.00	93.58 6.51 0.00	84.49 6.02 0.00	106.71 7.68 0.00	81.59 6.13 0.00	79.58 5.81 0.00	70.41 4.96 0.00	75.35 5.01 0.00	80.42 5.12 0.00	89.81 5.13 0.00
DARBY___SOLAR 323810	49.84 2.30 0.00	46.97 2.10 0.00	49.27 2.15 0.00	48.92 2.19 0.00	44.25 1.99 0.00	45.66 2.11 0.00	59.40 3.03 0.00	41.53 2.36 0.00	42.55 2.36 0.00	52.42 2.94 0.00	98.61 5.52 0.00	97.18 5.35 0.00	85.53 4.34 0.00	80.64 3.92 0.00	91.45 4.62 0.00	91.66 4.59 0.00	82.81 4.34 0.00	104.65 5.61 0.00	79.81 4.34 0.00	77.92 4.15 0.00	68.93 3.48 0.00	73.77 3.43 0.00	78.82 3.52 0.00	88.37 3.69 0.00
DASHVILLE___HYD 23610	50.27 2.74 0.00	47.16 2.29 0.00	49.27 2.15 0.00	48.90 2.17 0.00	44.36 2.10 0.00	45.93 2.38 0.00	59.93 3.56 0.00	42.26 3.09 0.00	43.45 3.27 0.00	53.55 4.07 0.00	100.83 7.74 0.00	99.79 7.95 0.00	88.12 6.94 0.00	83.49 6.76 0.00	94.76 7.93 0.00	94.98 7.90 0.00	85.80 7.33 0.00	108.40 9.37 0.00	82.87 7.41 0.00	80.79 7.02 0.00	71.46 6.00 0.00	76.40 6.06 0.00	81.46 6.16 0.00	90.86 6.18 0.00
DEERFIELD_69_KV_DEERFIELD LD 355887	51.48 3.95 0.00	48.07 3.20 0.00	50.14 3.02 0.00	49.56 2.83 0.00	44.65 2.38 0.00	46.40 2.85 0.00	60.52 4.15 0.00	42.86 3.69 0.00	43.59 3.40 0.00	54.22 4.75 0.00	101.67 8.57 -0.01	104.39 8.74 -3.81	89.48 8.28 -0.01	84.15 7.43 0.00	94.87 8.03 0.00	95.18 8.11 0.00	87.01 7.82 -0.73	109.25 9.90 -0.32	89.52 8.20 -5.85	83.69 7.58 -2.34	71.97 6.52 0.00	76.89 6.55 0.00	82.30 7.00 0.00	91.90 6.90 -0.32
DELAWARE___LFGE 323621	48.65 1.11 0.00	45.85 0.99 0.00	48.15 1.03 0.00	47.78 1.05 0.00	43.13 0.87 0.00	44.53 0.98 0.00	57.89 1.51 0.00	40.42 1.25 0.00	41.50 1.31 0.00	51.03 1.56 0.00	96.04 2.95 0.00	94.76 2.92 0.00	83.78 2.59 0.00	79.32 2.60 0.00	89.87 3.03 0.00	90.04 2.97 0.00	81.19 2.72 0.00	102.56 3.53 0.00	78.13 2.67 0.00	76.31 2.54 0.00	67.62 2.16 0.00	72.49 2.15 0.00	77.51 2.22 0.00	86.90 2.22 0.00
DERFIELD_115KV_TB7 355931	47.63 0.10 0.00	44.94 0.07 0.00	47.17 0.05 0.00	46.78 0.05 0.00	42.30 0.03 0.00	43.59 0.04 0.00	56.49 0.12 0.00	39.36 0.18 0.00	40.39 0.20 0.00	49.77 0.29 0.00	93.64 0.55 0.00	92.38 0.55 0.00	81.67 0.48 0.00	77.23 0.50 0.00	87.44 0.60 0.00	87.57 0.49 0.00	78.91 0.44 0.00	99.60 0.57 0.00	75.92 0.45 0.00	74.20 0.42 0.00	65.77 0.32 0.00	70.62 0.27 0.00	75.51 0.21 0.00	84.85 0.17 0.00
DOGLEVILLE___HYD 23807	47.84 0.30 0.00	45.03 0.16 0.00	47.13 0.02 0.00	46.68 -0.04 0.00	42.27 0.00 0.00	43.77 0.22 0.00	57.04 0.67 0.00	40.15 0.98 0.00	41.13 0.94 0.00	50.76 1.28 0.00	95.63 2.54 0.00	94.45 2.62 0.00	83.57 2.39 0.00	79.24 2.52 0.00	90.06 3.22 0.00	90.19 3.11 0.00	81.45 2.98 0.00	103.01 3.98 0.00	78.70 3.23 0.00	76.82 3.05 0.00	67.79 2.34 0.00	72.29 1.95 0.00	77.22 1.92 0.00	86.17 1.49 0.00
DUNKIRK___115KV_TB_200 55889	45.87 -1.67 0.00	42.89 -1.98 0.00	45.19 -1.93 0.00	44.77 -1.96 0.00	40.67 -1.59 0.00	41.73 -1.82 0.00	53.59 -2.79 0.00	36.84 -2.33 0.00	37.96 -2.23 0.00	46.41 -3.07 0.00	86.22 -6.87 0.00	85.16 -6.67 0.00	75.41 -5.78 0.00	71.16 -5.56 0.00	80.22 -6.61 0.00	80.28 -6.80 0.00	71.70 -6.77 0.00	90.93 -8.10 0.00	68.04 -7.42 0.00	65.81 -7.96 0.00	58.78 -6.67 0.00	63.78 -6.56 0.00	69.09 -6.21 0.00	78.75 -5.93 0.00
DUNKIRK___1 23563	45.87 -1.67 0.00	42.89 -1.98 0.00	45.19 -1.93 0.00	44.77 -1.96 0.00	40.67 -1.59 0.00	41.73 -1.82 0.00	53.59 -2.79 0.00	36.84 -2.33 0.00	37.96 -2.23 0.00	46.41 -3.07 0.00	86.22 -6.87 0.00	85.16 -6.67 0.00	75.41 -5.78 0.00	71.16 -5.56 0.00	80.22 -6.61 0.00	80.28 -6.80 0.00	71.70 -6.77 0.00	90.93 -8.10 0.00	68.04 -7.42 0.00	65.81 -7.96 0.00	58.78 -6.67 0.00	63.78 -6.56 0.00	69.09 -6.21 0.00	78.75 -5.93 0.00
DUNKIRK___2 23564	45.87 -1.67 0.00	42.89 -1.98 0.00	45.19 -1.93 0.00	44.77 -1.96 0.00	40.67 -1.59 0.00	41.73 -1.82 0.00	53.59 -2.79 0.00	36.84 -2.33 0.00	37.96 -2.23 0.00	46.41 -3.07 0.00	86.22 -6.87 0.00	85.16 -6.67 0.00	75.41 -5.78 0.00	71.16 -5.56 0.00	80.22 -6.61 0.00	80.28 -6.80 0.00	71.70 -6.77 0.00	90.93 -8.10 0.00	68.04 -7.42 0.00	65.81 -7.96 0.00	58.78 -6.67 0.00	63.78 -6.56 0.00	69.09 -6.21 0.00	78.75 -5.93 0.00
DUNKIRK___3 23565	45.75 -1.79 0.00	42.79 -2.07 0.00	45.07 -2.05 0.00	44.65 -2.08 0.00	40.58 -1.68 0.00	41.63 -1.92 0.00	53.45 -2.92 0.00	36.74 -2.43 0.00	37.84 -2.35 0.00	46.26 -3.21 0.00	85.95 -7.14 0.00	84.91 -6.92 0.00	75.15 -6.03 0.00	70.81 -5.91 0.00	79.94 -6.90 0.00	79.84 -7.23 0.00	71.31 -7.16 0.00	90.45 -8.58 0.00	67.74 -7.73 0.00	65.57 -8.19 0.00	58.54 -6.91 0.00	63.50 -6.84 0.00	68.80 -6.50 0.00	78.39 -6.29 0.00
DUNKIRK___4 23566	45.75 -1.79 0.00	42.79 -2.07 0.00	45.07 -2.05 0.00	44.65 -2.08 0.00	40.58 -1.68 0.00	41.63 -1.92 0.00	53.45 -2.92 0.00	36.74 -2.43 0.00	37.84 -2.35 0.00	46.26 -3.21 0.00	85.95 -7.14 0.00	84.91 -6.92 0.00	75.15 -6.03 0.00	70.81 -5.91 0.00	79.94 -6.90 0.00	79.84 -7.23 0.00	71.31 -7.16 0.00	90.45 -8.58 0.00	67.74 -7.73 0.00	65.57 -8.19 0.00	58.54 -6.91 0.00	63.50 -6.84 0.00	68.80 -6.50 0.00	78.39 -6.29 0.00
DUNWOODS_138_KV_38W08_REV_LBMP_I 345000	49.38 1.85 0.00	46.34 1.47 0.00	48.42 1.30 0.00	48.07 1.34 0.00	43.58 1.32 0.00	45.08 1.53 0.00	58.72 2.35 0.00	41.34 2.17 0.00	42.48 2.29 0.00	52.35 2.88 0.00	98.59 5.50 0.00	97.55 5.72 0.00	86.14 4.95 0.00	81.56 4.84 0.00	92.52 5.68 0.00	92.72 5.65 0.00	83.71 5.23 0.00	105.60 6.56 0.00	80.82 5.36 0.00	78.78 5.01 0.00	69.73 4.28 0.00	74.62 4.28 0.00	79.70 4.41 0.00	89.04 4.36 0.00
E.WALDEN_115_KV_TR_1_REV_LBMP_G 345009	49.34 1.80 0.00	46.32 1.45 0.00	48.41 1.29 0.00	48.08 1.35 0.00	43.59 1.33 0.00	45.08 1.53 0.00	58.70 2.33 0.00	41.32 2.15 0.00	42.44 2.25 0.00	52.29 2.81 0.00	98.39 5.30 0.00	97.31 5.47 0.00	85.94 4.75 0.00	81.40 4.67 0.00	92.35 5.51 0.00	92.54 5.47 0.00	83.56 5.08 0.00	105.52 6.48 0.00	80.68 5.22 0.00	78.67 4.90 0.00	69.63 4.18 0.00	74.51 4.17 0.00	79.56 4.26 0.00	88.88 4.20 0.00

E179THST_138_KV_TB4_REV_LBMP_J 345001	49.35 1.81 0.00	46.30 1.43 0.00	48.34 1.22 0.00	48.00 1.27 0.00	43.51 1.24 0.00	44.99 1.44 0.00	58.72 2.35 0.00	41.38 2.21 0.00	42.51 2.32 0.00	52.35 2.88 0.00	98.66 5.57 0.00	97.39 5.56 0.00	86.01 4.82 0.00	81.50 4.78 0.00	92.49 5.65 0.00	92.68 5.60 0.00	83.63 5.16 0.00	105.51 6.48 0.00	80.78 5.32 0.00	78.70 4.93 0.00	69.62 4.16 0.00	74.47 4.13 0.00	79.53 4.23 0.00	88.81 4.13 0.00
E179THST_13_KV_LOAD 356214	49.56 2.02 0.00	46.49 1.62 0.00	48.52 1.40 0.00	48.17 1.44 0.00	43.65 1.39 0.00	45.16 1.61 0.00	58.98 2.61 0.00	41.56 2.39 0.00	42.71 2.53 0.00	52.61 3.13 0.00	99.14 6.05 0.00	97.87 6.04 0.00	86.44 5.26 0.00	81.91 5.19 0.00	92.96 6.12 0.00	93.15 6.08 0.00	84.05 5.58 0.00	106.04 7.01 0.00	81.20 5.74 0.00	79.10 5.32 0.00	69.96 4.51 0.00	74.84 4.50 0.00	79.91 4.61 0.00	89.21 4.53 0.00
EAST HAMPTON___GT 23717	51.82 4.29 0.00	48.34 3.47 0.00	50.40 3.28 0.00	49.66 2.93 0.00	44.49 2.22 0.00	46.18 2.63 0.00	60.32 3.95 0.00	42.70 3.52 0.00	43.22 3.03 0.00	53.94 4.47 0.00	101.06 7.96 -0.01	103.64 8.00 -3.81	89.23 8.04 -0.01	83.57 6.85 0.00	93.88 7.04 0.00	94.00 6.93 0.00	86.05 6.85 -0.73	108.12 8.76 -0.32	88.67 7.36 -5.85	82.76 6.65 -2.34	71.12 5.67 0.00	75.94 5.60 0.00	81.32 6.02 0.00	90.71 5.71 -0.32
EAST RIVER___6 23660	49.37 1.83 0.00	46.30 1.43 0.00	48.32 1.21 0.00	47.98 1.25 0.00	43.51 1.25 0.00	45.01 1.46 0.00	58.72 2.34 0.00	41.41 2.24 0.00	42.59 2.40 0.00	52.50 3.02 0.00	98.82 5.73 0.00	97.78 5.95 0.00	86.34 5.15 0.00	81.75 5.03 0.00	92.76 5.92 0.00	92.98 5.91 0.00	83.92 5.45 0.00	105.77 6.74 0.00	80.98 5.52 0.00	78.87 5.10 0.00	69.76 4.31 0.00	74.65 4.31 0.00	79.72 4.42 0.00	88.95 4.27 0.00
EAST RIVER___7 23524	49.37 1.83 0.00	46.30 1.43 0.00	48.32 1.21 0.00	47.98 1.25 0.00	43.51 1.25 0.00	45.01 1.46 0.00	58.72 2.34 0.00	41.41 2.24 0.00	42.59 2.40 0.00	52.50 3.02 0.00	98.82 5.73 0.00	97.78 5.95 0.00	86.34 5.15 0.00	81.75 5.03 0.00	92.76 5.92 0.00	92.98 5.91 0.00	83.92 5.45 0.00	105.77 6.74 0.00	80.98 5.52 0.00	78.87 5.10 0.00	69.76 4.31 0.00	74.65 4.31 0.00	79.72 4.42 0.00	88.95 4.27 0.00
EASTVIEW_138_KV_38W32_REV_LBMP_I 345002	49.27 1.74 0.00	46.25 1.38 0.00	48.32 1.20 0.00	47.98 1.25 0.00	43.51 1.25 0.00	44.99 1.44 0.00	58.59 2.21 0.00	41.25 2.08 0.00	42.37 2.18 0.00	52.21 2.74 0.00	98.32 5.24 0.00	97.28 5.44 0.00	85.89 4.70 0.00	81.32 4.60 0.00	92.27 5.43 0.00	92.46 5.39 0.00	83.47 5.00 0.00	105.32 6.28 0.00	80.60 5.13 0.00	78.57 4.80 0.00	69.55 4.09 0.00	74.44 4.09 0.00	79.50 4.20 0.00	88.82 4.14 0.00
EAST_HAMPTON___DIESEL 23722	51.82 4.28 0.00	48.31 3.44 0.00	50.37 3.26 0.00	49.62 2.88 0.00	44.41 2.15 0.00	46.10 2.56 0.00	60.22 3.85 0.00	42.62 3.45 0.00	43.12 2.94 0.00	53.83 4.35 0.00	100.87 7.77 -0.01	103.41 7.77 -3.81	89.11 7.91 -0.01	83.39 6.67 0.00	93.64 6.81 0.00	93.74 6.67 0.00	85.81 6.60 -0.73	107.82 8.47 -0.32	88.46 7.14 -5.85	82.54 6.43 -2.34	70.92 5.47 0.00	75.73 5.39 0.00	81.10 5.80 0.00	90.48 5.48 -0.32
EAST_POINT___SOLAR 323840	50.84 3.31 0.00	47.96 3.09 0.00	50.37 3.25 0.00	49.93 3.20 0.00	45.16 2.89 0.00	46.68 3.13 0.00	60.70 4.33 0.00	42.27 3.10 0.00	43.40 3.21 0.00	53.17 3.70 0.00	99.82 6.73 0.00	98.41 6.57 0.00	87.01 5.83 0.00	82.37 5.65 0.00	93.16 6.33 0.00	93.59 6.52 0.00	84.53 6.06 0.00	107.10 8.06 0.00	81.43 5.97 0.00	79.50 5.73 0.00	70.48 5.03 0.00	75.62 5.28 0.00	80.85 5.55 0.00	90.72 6.04 0.00
EAST_PULASKI___ESR 323781	46.50 -1.04 0.00	44.04 -0.83 0.00	46.20 -0.92 0.00	45.61 -1.12 0.00	41.28 -0.99 0.00	42.60 -0.95 0.00	55.27 -1.10 0.00	38.42 -0.75 0.00	39.37 -0.82 0.00	48.31 -1.17 0.00	90.79 -2.30 0.00	89.44 -2.40 0.00	79.14 -2.05 0.00	74.84 -1.88 0.00	84.70 -2.14 0.00	84.89 -2.18 0.00	76.55 -1.92 0.00	96.83 -2.20 0.00	73.64 -1.82 0.00	71.85 -1.92 0.00	63.72 -1.73 0.00	68.35 -1.99 0.00	73.20 -2.09 0.00	82.30 -2.38 0.00
EAST_RIVER___1 323558	49.37 1.84 0.00	46.31 1.44 0.00	48.36 1.24 0.00	48.02 1.29 0.00	43.55 1.29 0.00	45.05 1.50 0.00	58.75 2.38 0.00	41.41 2.24 0.00	42.58 2.38 0.00	52.47 2.99 0.00	98.81 5.72 0.00	97.74 5.91 0.00	86.29 5.10 0.00	81.72 5.00 0.00	92.71 5.88 0.00	92.91 5.84 0.00	83.88 5.41 0.00	105.73 6.70 0.00	80.96 5.49 0.00	78.85 5.08 0.00	69.76 4.31 0.00	74.67 4.33 0.00	79.75 4.45 0.00	89.01 4.33 0.00
EAST_RIVER___2 323559	49.37 1.83 0.00	46.30 1.43 0.00	48.32 1.21 0.00	47.98 1.25 0.00	43.51 1.25 0.00	45.01 1.46 0.00	58.72 2.34 0.00	41.41 2.24 0.00	42.59 2.40 0.00	52.50 3.02 0.00	98.82 5.73 0.00	97.78 5.95 0.00	86.34 5.15 0.00	81.75 5.03 0.00	92.76 5.92 0.00	92.98 5.91 0.00	83.92 5.45 0.00	105.77 6.74 0.00	80.98 5.52 0.00	78.87 5.10 0.00	69.76 4.31 0.00	74.65 4.31 0.00	79.72 4.42 0.00	88.95 4.27 0.00
EAST___DELAWARE_HYD 23607	48.78 1.24 0.00	45.79 0.92 0.00	47.87 0.75 0.00	47.53 0.80 0.00	43.09 0.83 0.00	44.61 1.06 0.00	58.29 1.92 0.00	41.12 1.95 0.00	42.25 2.06 0.00	52.05 2.57 0.00	97.74 4.65 0.00	96.59 4.76 0.00	85.34 4.15 0.00	80.84 4.11 0.00	91.68 4.84 0.00	91.89 4.81 0.00	83.02 4.54 0.00	104.88 5.85 0.00	80.16 4.69 0.00	78.14 4.37 0.00	69.13 3.68 0.00	73.94 3.60 0.00	78.90 3.60 0.00	88.04 3.35 0.00
EIGHT_POINT___WT_PWR 323820	46.66 -0.87 0.00	43.62 -1.25 0.00	45.45 -1.67 0.00	44.99 -1.74 0.00	40.98 -1.29 0.00	42.08 -1.47 0.00	54.60 -1.77 0.00	37.86 -1.31 0.00	38.94 -1.25 0.00	47.86 -1.62 0.00	89.90 -3.19 0.00	89.11 -2.73 0.00	79.07 -2.11 0.00	74.80 -1.92 0.00	84.75 -2.08 0.00	84.60 -2.47 0.00	75.96 -2.51 0.00	96.06 -2.97 0.00	72.25 -3.21 0.00	69.85 -3.92 0.00	61.60 -3.85 0.00	66.16 -4.18 0.00	70.92 -4.38 0.00	79.87 -4.81 0.00
ELBRIDGE_115KV_TB2 80188	46.38 -1.15 0.00	43.71 -1.16 0.00	45.88 -1.24 0.00	45.46 -1.27 0.00	41.20 -1.06 0.00	42.51 -1.03 0.00	55.14 -1.23 0.00	38.31 -0.86 0.00	39.33 -0.86 0.00	48.34 -1.13 0.00	90.87 -2.22 0.00	89.76 -2.07 0.00	79.26 -1.93 0.00	74.97 -1.75 0.00	84.77 -2.06 0.00	85.07 -2.01 0.00	77.66 -0.81 0.00	98.19 -0.84 0.00	73.90 -1.56 0.00	72.07 -1.71 0.00	63.90 -1.56 0.00	68.55 -1.79 0.00	73.35 -1.95 0.00	82.44 -2.24 0.00
ELEC_TRO_TEK 24086	49.85 2.31 0.00	46.67 1.80 0.00	48.74 1.62 0.00	48.37 1.64 0.00	43.82 1.55 0.00	45.42 1.87 0.00	59.10 2.73 0.00	41.75 2.58 0.00	42.76 2.57 0.00	52.91 3.44 0.00	99.72 6.63 0.00	100.10 6.83 -1.43	87.01 5.82 0.00	82.15 5.43 0.00	93.18 6.35 0.00	93.40 6.33 0.00	85.66 5.91 -1.28	107.01 7.41 -0.56	91.40 6.13 -9.80	83.61 5.71 -4.13	70.41 4.96 0.00	75.31 4.97 0.00	80.52 5.22 0.00	90.51 5.26 -0.57

ELLENBURG_WT_PWR 323604	48.58 1.04 0.00	46.07 1.20 0.00	48.51 1.39 0.00	47.91 1.18 0.00	43.35 1.09 0.00	44.48 0.94 0.00	57.30 0.92 0.00	39.65 0.48 0.00	40.61 0.43 0.00	49.99 0.51 0.00	94.00 0.91 0.00	92.71 0.88 0.00	82.29 1.10 0.00	77.40 0.68 0.00	87.71 0.88 0.00	87.72 0.65 0.00	79.27 0.80 0.00	99.76 0.72 0.00	76.14 0.68 0.00	74.66 0.88 0.00	66.26 0.81 0.00	71.55 1.21 0.00	76.73 1.43 0.00	86.46 1.78 0.00
ELM_ST_23_KV_LD_REV_LBMP_A 345012	45.15 -2.39 0.00	42.27 -2.60 0.00	44.55 -2.57 0.00	44.13 -2.60 0.00	40.11 -2.15 0.00	41.09 -2.46 0.00	52.73 -3.64 0.00	36.19 -2.98 0.00	37.26 -2.94 0.00	45.49 -3.99 0.00	84.46 -8.63 0.00	83.36 -8.47 0.00	73.80 -7.39 0.00	69.50 -7.22 0.00	78.60 -8.24 0.00	78.41 -8.67 0.00	70.04 -8.43 0.00	88.86 -10.18 0.00	66.61 -8.85 0.00	64.62 -9.15 0.00	57.66 -7.79 0.00	62.46 -7.88 0.00	67.76 -7.54 0.00	77.32 -7.36 0.00
EMPIRE_CC_1 323656	49.10 1.56 0.00	46.30 1.43 0.00	48.56 1.44 0.00	48.21 1.48 0.00	43.59 1.32 0.00	44.97 1.43 0.00	58.40 2.03 0.00	40.88 1.71 0.00	41.90 1.71 0.00	51.67 2.19 0.00	97.25 4.16 0.00	95.89 4.06 0.00	84.62 3.44 0.00	80.15 3.43 0.00	90.96 4.12 0.00	91.15 4.08 0.00	82.23 3.76 0.00	103.77 4.74 0.00	79.04 3.57 0.00	77.04 3.26 0.00	68.16 2.71 0.00	72.97 2.63 0.00	78.10 2.80 0.00	87.69 3.01 0.00
EMPIRE_CC_2 323658	49.10 1.56 0.00	46.30 1.43 0.00	48.56 1.44 0.00	48.21 1.48 0.00	43.59 1.32 0.00	44.97 1.43 0.00	58.40 2.03 0.00	40.88 1.71 0.00	41.90 1.71 0.00	51.67 2.19 0.00	97.25 4.16 0.00	95.89 4.06 0.00	84.62 3.44 0.00	80.15 3.43 0.00	90.96 4.12 0.00	91.15 4.08 0.00	82.23 3.76 0.00	103.77 4.74 0.00	79.04 3.57 0.00	77.04 3.26 0.00	68.16 2.71 0.00	72.97 2.63 0.00	78.10 2.80 0.00	87.69 3.01 0.00
ENORWICH_115KV_TB1 80156	51.16 3.63 0.00	48.06 3.19 0.00	50.44 3.32 0.00	50.02 3.29 0.00	45.29 3.02 0.00	46.88 3.33 0.00	61.56 5.19 0.00	46.28 7.11 0.00	47.43 7.24 0.00	57.49 8.01 0.00	101.67 8.58 0.00	100.65 8.82 0.00	89.20 8.02 0.00	84.30 7.58 0.00	95.48 8.64 0.00	95.74 8.67 0.00	86.54 8.07 0.00	109.51 10.48 0.00	83.01 7.55 0.00	80.98 7.21 0.00	71.55 6.10 0.00	76.39 6.05 0.00	81.17 5.87 0.00	90.36 5.68 0.00
ERIE_ST_34_KV_TB1-2 80199	45.94 -1.60 0.00	43.01 -1.86 0.00	45.29 -1.83 0.00	44.87 -1.85 0.00	40.81 -1.46 0.00	41.85 -1.70 0.00	53.79 -2.58 0.00	36.97 -2.19 0.00	38.02 -2.17 0.00	46.49 -2.99 0.00	86.50 -6.59 0.00	85.42 -6.41 0.00	75.70 -5.49 0.00	71.25 -5.47 0.00	80.68 -6.16 0.00	80.33 -6.74 0.00	71.75 -6.72 0.00	91.12 -7.91 0.00	68.43 -7.04 0.00	66.41 -7.36 0.00	59.19 -6.27 0.00	64.04 -6.30 0.00	69.40 -5.90 0.00	78.88 -5.80 0.00
ERIE_WT_PWR 323693	45.53 -2.01 0.00	42.62 -2.25 0.00	44.88 -2.24 0.00	44.47 -2.26 0.00	40.42 -1.85 0.00	41.44 -2.11 0.00	53.22 -3.15 0.00	36.56 -2.61 0.00	37.62 -2.57 0.00	45.95 -3.53 0.00	85.36 -7.73 0.00	84.28 -7.55 0.00	74.70 -6.49 0.00	70.27 -6.45 0.00	79.54 -7.30 0.00	79.24 -7.83 0.00	70.78 -7.69 0.00	89.76 -9.27 0.00	67.29 -8.17 0.00	65.28 -8.49 0.00	58.27 -7.18 0.00	63.10 -7.25 0.00	68.38 -6.92 0.00	77.98 -6.70 0.00
ESPRGFLD_115KV_TB1 80157	49.68 2.15 0.00	46.86 1.99 0.00	49.23 2.11 0.00	48.80 2.08 0.00	44.09 1.83 0.00	45.49 1.94 0.00	59.06 2.69 0.00	41.11 1.95 0.00	42.25 2.06 0.00	51.82 2.34 0.00	97.23 4.14 0.00	96.02 4.19 0.00	84.93 3.74 0.00	80.33 3.61 0.00	90.75 3.92 0.00	90.98 3.91 0.00	81.98 3.51 0.00	103.73 4.70 0.00	78.81 3.34 0.00	76.97 3.19 0.00	68.29 2.83 0.00	73.39 3.05 0.00	78.51 3.21 0.00	88.09 3.41 0.00
ETNA_115_KV_TB1_REV_LBMP_C 345029	47.88 0.35 0.00	45.07 0.20 0.00	47.29 0.17 0.00	46.90 0.17 0.00	42.49 0.23 0.00	43.87 0.33 0.00	57.03 0.66 0.00	39.50 0.33 0.00	40.57 0.38 0.00	49.92 0.45 0.00	94.39 1.30 0.00	93.22 1.39 0.00	82.38 1.20 0.00	77.90 1.18 0.00	88.19 1.35 0.00	88.35 1.28 0.00	79.81 1.34 0.00	100.89 1.85 0.00	76.40 0.94 0.00	74.49 0.72 0.00	66.01 0.55 0.00	70.71 0.37 0.00	75.57 0.27 0.00	84.77 0.09 0.00
ETNA____115KV_TB2 80207	47.88 0.35 0.00	45.07 0.20 0.00	47.29 0.17 0.00	46.90 0.17 0.00	42.49 0.23 0.00	43.87 0.33 0.00	57.03 0.66 0.00	39.50 0.33 0.00	40.57 0.38 0.00	49.92 0.45 0.00	94.39 1.30 0.00	93.22 1.39 0.00	82.38 1.20 0.00	77.90 1.18 0.00	88.19 1.35 0.00	88.35 1.28 0.00	79.81 1.34 0.00	100.89 1.85 0.00	76.40 0.94 0.00	74.49 0.72 0.00	66.01 0.55 0.00	70.71 0.37 0.00	75.57 0.27 0.00	84.77 0.09 0.00
EUCLID____115KV_TB2 356179	46.25 -1.29 0.00	43.59 -1.28 0.00	45.78 -1.34 0.00	45.38 -1.35 0.00	41.08 -1.18 0.00	42.37 -1.18 0.00	54.97 -1.40 0.00	38.27 -0.90 0.00	39.29 -0.90 0.00	48.30 -1.18 0.00	90.75 -2.34 0.00	89.52 -2.31 0.00	79.12 -2.06 0.00	74.80 -1.92 0.00	84.68 -2.16 0.00	84.84 -2.23 0.00	76.51 -1.96 0.00	96.63 -2.40 0.00	73.36 -2.10 0.00	71.61 -2.16 0.00	63.48 -1.98 0.00	68.14 -2.21 0.00	72.93 -2.37 0.00	82.03 -2.66 0.00
E_CANADA_CAP_HY 24051	50.12 2.59 0.00	47.31 2.44 0.00	49.71 2.59 0.00	49.25 2.53 0.00	44.52 2.26 0.00	45.91 2.36 0.00	59.47 3.10 0.00	41.29 2.12 0.00	42.41 2.23 0.00	52.01 2.53 0.00	97.63 4.54 0.00	96.36 4.53 0.00	85.23 4.04 0.00	80.67 3.95 0.00	91.08 4.24 0.00	91.28 4.20 0.00	82.28 3.81 0.00	104.12 5.09 0.00	79.11 3.65 0.00	77.29 3.51 0.00	68.63 3.18 0.00	73.85 3.51 0.00	79.21 3.91 0.00	89.02 4.34 0.00
E_CANADA_MHWK_HY 24050	47.84 0.30 0.00	45.03 0.16 0.00	47.13 0.02 0.00	46.68 -0.04 0.00	42.27 0.00 0.00	43.77 0.22 0.00	57.04 0.67 0.00	40.15 0.98 0.00	41.13 0.94 0.00	50.76 1.28 0.00	95.63 2.54 0.00	94.45 2.62 0.00	83.57 2.39 0.00	79.24 2.52 0.00	90.06 3.22 0.00	90.19 3.11 0.00	81.45 2.98 0.00	103.01 3.98 0.00	78.70 3.23 0.00	76.82 3.05 0.00	67.79 2.34 0.00	72.29 1.95 0.00	77.22 1.92 0.00	86.17 1.49 0.00
E_FISHKILL____LBMP 23776	49.11 1.57 0.00	46.11 1.25 0.00	48.21 1.09 0.00	47.87 1.14 0.00	43.38 1.12 0.00	44.85 1.30 0.00	58.38 2.00 0.00	41.06 1.90 0.00	42.18 1.99 0.00	51.97 2.49 0.00	97.89 4.80 0.00	96.85 5.01 0.00	85.52 4.33 0.00	80.97 4.25 0.00	91.87 5.03 0.00	92.08 5.00 0.00	83.12 4.65 0.00	104.87 5.84 0.00	80.23 4.77 0.00	78.27 4.49 0.00	69.28 3.83 0.00	74.18 3.84 0.00	79.23 3.93 0.00	88.57 3.89 0.00
FALCON____SEABRD_CC1 323796	48.78 1.24 0.00	46.20 1.34 0.00	48.70 1.58 0.00	48.13 1.40 0.00	43.56 1.30 0.00	44.72 1.17 0.00	57.56 1.19 0.00	39.92 0.75 0.00	40.86 0.67 0.00	50.31 0.83 0.00	94.51 1.42 0.00	93.10 1.26 0.00	82.91 1.72 0.00	77.85 1.13 0.00	88.52 1.68 0.00	88.06 0.98 0.00	79.88 1.41 0.00	100.18 1.15 0.00	76.66 1.20 0.00	75.29 1.52 0.00	66.71 1.26 0.00	72.03 1.69 0.00	77.19 1.90 0.00	86.99 2.31 0.00

FALCON___SEABRD_CC2 323797	48.78 1.24 0.00	46.20 1.34 0.00	48.70 1.58 0.00	48.13 1.40 0.00	43.56 1.30 0.00	44.72 1.17 0.00	57.56 1.19 0.00	39.92 0.75 0.00	40.86 0.67 0.00	50.31 0.83 0.00	94.51 1.42 0.00	93.10 1.26 0.00	82.91 1.72 0.00	77.85 1.13 0.00	88.52 1.68 0.00	88.06 0.98 0.00	79.88 1.41 0.00	100.18 1.15 0.00	76.66 1.20 0.00	75.29 1.52 0.00	66.71 1.26 0.00	72.03 1.69 0.00	77.19 1.90 0.00	86.99 2.31 0.00
FAR ROCKAWAY___4 23548	50.42 2.88 0.00	47.17 2.30 0.00	49.25 2.13 0.00	48.85 2.12 0.00	44.25 1.99 0.00	45.90 2.36 0.00	59.80 3.42 0.00	42.26 3.09 0.00	43.27 3.08 0.00	53.56 4.09 0.00	101.05 7.95 0.00	100.86 8.20 -0.83	88.17 6.98 0.00	83.16 6.43 0.00	94.29 7.45 0.00	94.71 7.63 0.00	86.76 7.12 -1.17	108.22 8.67 -0.51	91.50 7.11 -8.93	84.37 6.81 -3.78	71.42 5.97 0.00	76.36 6.02 0.00	81.57 6.27 0.00	91.54 6.34 -0.52
FARRAGUT_138_KV_32071_REV_LBMP_J 345003	49.41 1.88 0.00	46.35 1.48 0.00	48.40 1.29 0.00	48.07 1.34 0.00	43.59 1.33 0.00	45.09 1.54 0.00	58.81 2.43 0.00	41.45 2.27 0.00	42.62 2.43 0.00	52.50 3.03 0.00	98.88 5.79 0.00	97.79 5.96 0.00	86.34 5.15 0.00	81.75 5.03 0.00	92.77 5.93 0.00	92.97 5.89 0.00	83.92 5.45 0.00	105.82 6.78 0.00	81.00 5.53 0.00	78.90 5.13 0.00	69.80 4.35 0.00	74.72 4.37 0.00	79.82 4.52 0.00	89.08 4.40 0.00
FARRAGUT_138_KV_38B01_REV_LBMP_J 345016	49.36 1.83 0.00	46.29 1.43 0.00	48.35 1.23 0.00	48.01 1.28 0.00	43.55 1.28 0.00	45.04 1.49 0.00	58.73 2.36 0.00	41.38 2.22 0.00	42.55 2.36 0.00	52.43 2.96 0.00	98.73 5.64 0.00	97.65 5.82 0.00	86.21 5.02 0.00	81.64 4.92 0.00	92.63 5.80 0.00	92.83 5.76 0.00	83.81 5.34 0.00	105.66 6.62 0.00	80.89 5.42 0.00	78.80 5.03 0.00	69.71 4.26 0.00	74.62 4.28 0.00	79.73 4.43 0.00	88.99 4.31 0.00
FARRAGUT_138_KV_38M12_REV_LBMP_J 345017	49.40 1.87 0.00	46.32 1.45 0.00	48.39 1.27 0.00	48.05 1.32 0.00	43.56 1.30 0.00	45.07 1.52 0.00	58.78 2.41 0.00	41.43 2.26 0.00	42.59 2.40 0.00	52.48 3.01 0.00	98.83 5.74 0.00	97.74 5.91 0.00	86.29 5.11 0.00	81.72 5.00 0.00	92.72 5.88 0.00	92.92 5.84 0.00	83.89 5.41 0.00	105.76 6.73 0.00	80.96 5.50 0.00	78.86 5.09 0.00	69.77 4.32 0.00	74.68 4.34 0.00	79.76 4.46 0.00	89.05 4.36 0.00
FARRAGUT___LBMP 323566	49.36 1.83 0.00	46.29 1.43 0.00	48.35 1.23 0.00	48.01 1.28 0.00	43.55 1.28 0.00	45.04 1.49 0.00	58.73 2.36 0.00	41.38 2.22 0.00	42.55 2.36 0.00	52.43 2.96 0.00	98.73 5.64 0.00	97.65 5.82 0.00	86.21 5.02 0.00	81.64 4.92 0.00	92.63 5.80 0.00	92.83 5.76 0.00	83.81 5.34 0.00	105.66 6.62 0.00	80.89 5.42 0.00	78.80 5.03 0.00	69.71 4.26 0.00	74.62 4.28 0.00	79.73 4.43 0.00	88.99 4.31 0.00
FENNER___WINDPWR 24204	48.29 0.75 0.00	45.62 0.76 0.00	47.87 0.75 0.00	47.41 0.68 0.00	42.92 0.65 0.00	44.30 0.75 0.00	57.58 1.21 0.00	40.12 0.95 0.00	41.19 1.00 0.00	50.66 1.19 0.00	95.34 2.25 0.00	94.11 2.28 0.00	83.23 2.04 0.00	78.67 1.94 0.00	89.06 2.23 0.00	89.20 2.12 0.00	80.42 1.95 0.00	101.43 2.39 0.00	77.02 1.55 0.00	75.18 1.41 0.00	66.59 1.14 0.00	71.41 1.07 0.00	76.27 0.97 0.00	85.58 0.90 0.00
FIBERTEK___ENERGY 23856	46.71 -0.83 0.00	44.02 -0.85 0.00	46.21 -0.91 0.00	45.82 -0.91 0.00	41.48 -0.79 0.00	42.82 -0.73 0.00	55.56 -0.81 0.00	38.66 -0.51 0.00	39.68 -0.51 0.00	48.78 -0.69 0.00	91.71 -1.38 0.00	90.52 -1.31 0.00	79.98 -1.20 0.00	75.61 -1.11 0.00	85.55 -1.29 0.00	85.78 -1.30 0.00	77.89 -0.58 0.00	98.43 -0.60 0.00	74.41 -1.05 0.00	72.58 -1.19 0.00	64.30 -1.15 0.00	68.96 -1.38 0.00	73.78 -1.51 0.00	82.94 -1.75 0.00
FITZPATRICK____ 23598	45.63 -1.91 0.00	43.02 -1.85 0.00	45.17 -1.95 0.00	44.78 -1.95 0.00	40.53 -1.73 0.00	41.79 -1.76 0.00	54.16 -2.22 0.00	37.68 -1.49 0.00	38.67 -1.52 0.00	47.55 -1.93 0.00	89.34 -3.75 0.00	88.16 -3.68 0.00	77.92 -3.27 0.00	73.65 -3.07 0.00	83.36 -3.48 0.00	83.55 -3.52 0.00	75.24 -3.23 0.00	95.04 -4.00 0.00	72.34 -3.12 0.00	70.62 -3.15 0.00	62.63 -2.82 0.00	67.25 -3.09 0.00	72.02 -3.28 0.00	81.01 -3.67 0.00
FLOWRFLD_69_KV_BK1 356044	50.64 3.10 0.00	47.34 2.47 0.00	49.40 2.29 0.00	48.99 2.26 0.00	44.34 2.08 0.00	46.08 2.53 0.00	60.05 3.68 0.00	42.55 3.38 0.00	43.44 3.25 0.00	53.94 4.47 0.00	101.63 8.54 -0.01	104.55 8.92 -3.80	88.96 7.77 -0.01	83.89 7.16 0.00	94.84 8.00 0.00	95.20 8.12 0.00	86.84 7.64 -0.73	108.93 9.57 -0.32	89.28 7.93 -5.88	83.50 7.38 -2.35	71.89 6.43 0.00	76.84 6.50 0.00	82.25 6.95 0.00	91.97 6.96 -0.32
FORGEBRK_115_KV_TR1_2_REV_LBMP_G 345010	49.86 2.33 0.00	46.80 1.94 0.00	48.91 1.79 0.00	48.56 1.83 0.00	44.02 1.76 0.00	45.55 2.00 0.00	59.38 3.01 0.00	41.80 2.63 0.00	42.94 2.75 0.00	52.93 3.45 0.00	99.70 6.61 0.00	98.58 6.75 0.00	87.07 5.88 0.00	82.47 5.75 0.00	93.57 6.73 0.00	93.75 6.68 0.00	84.66 6.19 0.00	106.93 7.89 0.00	81.75 6.29 0.00	79.73 5.96 0.00	70.56 5.11 0.00	75.49 5.15 0.00	80.57 5.27 0.00	89.98 5.30 0.00
FORT ORANGE____ 23900	48.72 1.18 0.00	45.94 1.07 0.00	48.18 1.06 0.00	47.83 1.10 0.00	43.23 0.96 0.00	44.60 1.05 0.00	57.82 1.45 0.00	40.37 1.20 0.00	41.37 1.18 0.00	51.05 1.57 0.00	96.33 3.24 0.00	94.98 3.14 0.00	83.87 2.68 0.00	79.42 2.70 0.00	90.16 3.32 0.00	90.39 3.31 0.00	81.61 3.14 0.00	103.02 3.99 0.00	78.55 3.09 0.00	76.69 2.92 0.00	67.87 2.41 0.00	72.78 2.44 0.00	77.80 2.50 0.00	87.42 2.74 0.00
FORT_DRUM_COGEN 23780	48.69 1.15 0.00	46.87 2.00 0.00	49.10 1.98 0.00	47.73 1.00 0.00	43.12 0.86 0.00	44.50 0.95 0.00	57.91 1.53 0.00	40.23 1.06 0.00	41.19 1.00 0.00	50.39 0.91 0.00	95.04 1.95 0.00	93.29 1.46 0.00	82.61 1.42 0.00	78.16 1.44 0.00	88.40 1.57 0.00	88.60 1.53 0.00	80.14 1.66 0.00	101.47 2.43 0.00	76.98 1.51 0.00	75.14 1.37 0.00	66.59 1.14 0.00	71.36 1.03 0.00	76.07 0.77 0.00	85.27 0.59 0.00
FOX_HILLS___ESR 323835	49.65 2.12 0.00	46.63 1.76 0.00	48.69 1.57 0.00	48.35 1.62 0.00	43.86 1.59 0.00	45.33 1.78 0.00	59.08 2.71 0.00	41.47 2.30 0.00	42.61 2.42 0.00	52.48 3.01 0.00	98.69 5.60 0.00	97.74 5.90 0.00	86.37 5.18 0.00	81.81 5.09 0.00	92.81 5.97 0.00	93.02 5.94 0.00	83.92 5.45 0.00	105.91 6.88 0.00	81.12 5.65 0.00	79.00 5.23 0.00	69.91 4.46 0.00	74.83 4.49 0.00	79.98 4.69 0.00	89.30 4.62 0.00
FPL FAR_ROCK_GT1 24212	50.42 2.88 0.00	47.16 2.30 0.00	49.25 2.13 0.00	48.85 2.12 0.00	44.25 1.99 0.00	45.90 2.35 0.00	59.80 3.42 0.00	42.25 3.08 0.00	43.27 3.08 0.00	53.56 4.09 0.00	101.05 7.95 0.00	100.86 8.20 -0.83	88.17 6.98 0.00	83.15 6.43 0.00	94.28 7.45 0.00	94.70 7.62 0.00	86.76 7.12 -1.17	108.23 8.68 -0.51	91.50 7.11 -8.93	84.37 6.81 -3.78	71.42 5.97 0.00	76.35 6.01 0.00	81.57 6.27 0.00	91.54 6.34 -0.52



FPL FAR_ROCK_GT2 23815	50.42 2.88 0.00	47.16 2.30 0.00	49.25 2.13 0.00	48.85 2.12 0.00	44.25 1.99 0.00	45.90 2.35 0.00	59.80 3.42 0.00	42.25 3.08 0.00	43.27 3.08 0.00	53.56 4.09 0.00	101.05 7.95 0.00	100.86 8.20 -0.83	88.17 6.98 0.00	83.15 6.43 0.00	94.28 7.45 0.00	94.70 7.62 0.00	86.76 7.12 -1.17	108.23 8.68 -0.51	91.50 7.11 -8.93	84.37 6.81 -3.78	71.42 5.97 0.00	76.35 6.01 0.00	81.57 6.27 0.00	91.54 6.34 -0.52
FRANKLIN_FALL_HYD 24054	49.72 2.18 0.00	48.20 3.33 0.00	50.74 3.62 0.00	49.15 2.42 0.00	44.29 2.02 0.00	45.31 1.76 0.00	58.24 1.87 0.00	40.19 1.02 0.00	41.15 0.97 0.00	50.51 1.03 0.00	94.96 1.87 0.00	93.53 1.70 0.00	83.29 2.10 0.00	78.30 1.57 0.00	88.63 1.79 0.00	88.83 1.76 0.00	80.22 1.75 0.00	101.14 2.11 0.00	77.18 1.72 0.00	75.53 1.76 0.00	67.03 1.57 0.00	72.48 2.15 0.00	77.70 2.40 0.00	87.51 2.83 0.00
FREEPORT_EQUS_GT1 23764	50.11 2.57 0.00	46.97 2.10 0.00	49.02 1.90 0.00	48.63 1.90 0.00	44.06 1.79 0.00	45.70 2.15 0.00	59.32 2.95 0.00	42.00 2.83 0.00	43.05 2.86 0.00	53.27 3.79 0.00	100.17 7.08 0.00	101.26 7.03 -2.39	87.13 5.94 0.00	82.17 5.45 0.00	93.20 6.36 0.00	93.45 6.37 0.00	85.47 6.02 -0.98	107.37 7.90 -0.43	89.61 6.57 -7.58	83.01 6.09 -3.14	70.77 5.32 0.00	75.66 5.32 0.00	80.84 5.54 0.00	90.76 5.65 -0.43
FREEPORT___CT2 23818	50.11 2.57 0.00	46.97 2.10 0.00	49.02 1.90 0.00	48.63 1.90 0.00	44.06 1.79 0.00	45.70 2.15 0.00	59.32 2.95 0.00	42.00 2.83 0.00	43.05 2.86 0.00	53.27 3.79 0.00	100.17 7.08 0.00	101.26 7.03 -2.39	87.13 5.94 0.00	82.17 5.45 0.00	93.20 6.36 0.00	93.45 6.37 0.00	85.47 6.02 -0.98	107.37 7.90 -0.43	89.61 6.57 -7.58	83.01 6.09 -3.14	70.77 5.32 0.00	75.66 5.32 0.00	80.84 5.54 0.00	90.76 5.65 -0.43
FRESHKLS_33_KV_LOAD 356253	49.76 2.23 0.00	46.83 1.96 0.00	48.89 1.77 0.00	48.57 1.84 0.00	44.06 1.79 0.00	45.53 1.98 0.00	59.31 2.94 0.00	41.44 2.27 0.00	42.54 2.35 0.00	52.38 2.90 0.00	98.36 5.27 0.00	97.54 5.71 0.00	86.20 5.02 0.00	81.67 4.95 0.00	92.67 5.83 0.00	92.89 5.81 0.00	83.83 5.36 0.00	105.84 6.81 0.00	81.06 5.60 0.00	78.95 5.17 0.00	69.86 4.41 0.00	74.82 4.48 0.00	80.04 4.74 0.00	89.41 4.73 0.00
FULTON COGEN____ 23766	45.94 -1.59 0.00	43.31 -1.56 0.00	45.46 -1.66 0.00	45.09 -1.64 0.00	40.80 -1.46 0.00	42.11 -1.44 0.00	54.59 -1.79 0.00	38.00 -1.17 0.00	38.99 -1.20 0.00	47.93 -1.55 0.00	90.09 -3.00 0.00	88.86 -2.97 0.00	78.55 -2.63 0.00	74.27 -2.46 0.00	84.06 -2.77 0.00	84.20 -2.88 0.00	75.86 -2.61 0.00	95.93 -3.11 0.00	72.99 -2.47 0.00	71.22 -2.56 0.00	63.17 -2.28 0.00	67.79 -2.55 0.00	72.57 -2.72 0.00	81.65 -3.03 0.00
FULTON___LFGE 323630	50.31 2.78 0.00	47.48 2.61 0.00	49.83 2.71 0.00	49.40 2.67 0.00	44.66 2.40 0.00	46.14 2.59 0.00	59.98 3.61 0.00	41.80 2.63 0.00	42.91 2.72 0.00	52.65 3.17 0.00	98.81 5.72 0.00	97.43 5.59 0.00	86.20 5.01 0.00	81.64 4.92 0.00	92.33 5.50 0.00	92.67 5.60 0.00	83.64 5.17 0.00	105.88 6.85 0.00	80.52 5.06 0.00	78.63 4.86 0.00	69.71 4.25 0.00	74.79 4.45 0.00	79.99 4.69 0.00	89.72 5.05 0.00
G.F.CEMENT___DRP 24184	50.12 2.58 0.00	47.20 2.33 0.00	49.50 2.38 0.00	49.15 2.42 0.00	44.49 2.23 0.00	45.88 2.34 0.00	59.74 3.37 0.00	41.76 2.59 0.00	42.75 2.56 0.00	52.69 3.21 0.00	98.54 5.45 0.00	97.08 5.25 0.00	85.43 4.24 0.00	80.71 3.99 0.00	91.72 4.89 0.00	91.93 4.86 0.00	83.09 4.62 0.00	105.01 5.98 0.00	80.11 4.65 0.00	78.21 4.44 0.00	69.15 3.70 0.00	73.92 3.58 0.00	78.87 3.57 0.00	88.44 3.76 0.00
GARDENVILLE___LBMP 24039	45.37 -2.16 0.00	42.47 -2.40 0.00	44.72 -2.39 0.00	44.31 -2.42 0.00	40.28 -1.98 0.00	41.28 -2.27 0.00	53.00 -3.37 0.00	36.39 -2.78 0.00	37.45 -2.74 0.00	45.74 -3.74 0.00	84.97 -8.12 0.00	83.89 -7.94 0.00	74.28 -6.90 0.00	69.96 -6.76 0.00	79.13 -7.71 0.00	78.93 -8.15 0.00	70.49 -7.98 0.00	89.43 -9.60 0.00	67.03 -8.43 0.00	65.01 -8.76 0.00	58.00 -7.45 0.00	62.84 -7.50 0.00	68.14 -7.15 0.00	77.71 -6.97 0.00
GARDNVLA_35_KV_LD 355827	45.58 -1.96 0.00	42.67 -2.20 0.00	44.93 -2.19 0.00	44.51 -2.22 0.00	40.47 -1.80 0.00	41.47 -2.08 0.00	53.28 -3.09 0.00	36.61 -2.64 0.00	37.68 -2.51 0.00	46.04 -3.43 0.00	85.50 -7.59 0.00	84.41 -7.42 0.00	74.75 -6.44 0.00	70.37 -6.35 0.00	79.60 -7.23 0.00	79.32 -7.75 0.00	70.89 -7.58 0.00	89.94 -9.09 0.00	67.42 -8.04 0.00	65.39 -8.38 0.00	58.33 -7.12 0.00	63.16 -7.18 0.00	68.47 -6.82 0.00	78.05 -6.63 0.00
GELCKHM___115KV_LOAD 80723	46.44 -1.10 0.00	43.77 -1.10 0.00	45.94 -1.17 0.00	45.56 -1.17 0.00	41.25 -1.02 0.00	42.56 -0.99 0.00	55.21 -1.16 0.00	38.42 -0.75 0.00	39.45 -0.74 0.00	48.50 -0.98 0.00	91.12 -1.97 0.00	89.91 -1.93 0.00	79.48 -1.71 0.00	75.11 -1.61 0.00	85.01 -1.83 0.00	85.21 -1.86 0.00	77.04 -1.43 0.00	97.32 -1.71 0.00	73.79 -1.67 0.00	72.00 -1.77 0.00	63.81 -1.65 0.00	68.46 -1.88 0.00	73.26 -2.04 0.00	82.38 -2.30 0.00
GENERAL___MILLS 23808	45.51 -2.03 0.00	42.60 -2.27 0.00	44.87 -2.25 0.00	44.45 -2.28 0.00	40.40 -1.86 0.00	41.40 -2.14 0.00	53.17 -3.20 0.00	36.53 -2.64 0.00	37.59 -2.60 0.00	45.93 -3.55 0.00	85.30 -7.79 0.00	84.21 -7.62 0.00	74.58 -6.60 0.00	70.21 -6.51 0.00	79.44 -7.40 0.00	79.18 -7.89 0.00	70.74 -7.73 0.00	89.75 -9.28 0.00	67.28 -8.18 0.00	65.27 -8.51 0.00	58.22 -7.23 0.00	63.05 -7.29 0.00	68.35 -6.95 0.00	77.95 -6.73 0.00
GE_PLASTICS___DRP 24183	48.44 0.91 0.00	45.69 0.82 0.00	47.95 0.83 0.00	47.58 0.85 0.00	42.99 0.73 0.00	44.36 0.82 0.00	57.60 1.22 0.00	40.29 1.12 0.00	41.29 1.10 0.00	50.94 1.46 0.00	96.06 2.97 0.00	94.73 2.89 0.00	83.67 2.48 0.00	79.22 2.50 0.00	89.87 3.03 0.00	90.06 2.99 0.00	81.28 2.81 0.00	102.57 3.54 0.00	78.23 2.77 0.00	76.41 2.63 0.00	67.66 2.21 0.00	72.52 2.18 0.00	77.54 2.24 0.00	87.12 2.44 0.00
GILBOA___1 23756	48.41 0.87 0.00	45.76 0.89 0.00	48.12 1.01 0.00	47.73 1.01 0.00	42.91 0.64 0.00	44.27 0.73 0.00	57.50 1.13 0.00	40.22 1.05 0.00	41.27 1.08 0.00	50.84 1.36 0.00	95.60 2.51 0.00	94.15 2.32 0.00	83.13 1.94 0.00	78.82 2.10 0.00	89.36 2.52 0.00	89.54 2.46 0.00	80.74 2.27 0.00	101.91 2.87 0.00	77.79 2.33 0.00	76.10 2.33 0.00	67.39 1.93 0.00	72.24 1.90 0.00	77.26 1.96 0.00	86.72 2.04 0.00
GILBOA___2 23757	48.41 0.87 0.00	45.76 0.89 0.00	48.12 1.01 0.00	47.73 1.01 0.00	42.91 0.64 0.00	44.27 0.73 0.00	57.50 1.13 0.00	40.22 1.05 0.00	41.27 1.08 0.00	50.84 1.36 0.00	95.60 2.51 0.00	94.15 2.32 0.00	83.13 1.94 0.00	78.82 2.10 0.00	89.36 2.52 0.00	89.54 2.46 0.00	80.74 2.27 0.00	101.91 2.87 0.00	77.79 2.33 0.00	76.10 2.33 0.00	67.39 1.93 0.00	72.24 1.90 0.00	77.26 1.96 0.00	86.72 2.04 0.00

GILBOA___3 23758	48.41 0.87 0.00	45.76 0.89 0.00	48.12 1.01 0.00	47.73 1.01 0.00	42.91 0.64 0.00	44.27 0.73 0.00	57.50 1.13 0.00	40.22 1.05 0.00	41.27 1.08 0.00	50.84 1.36 0.00	95.60 2.51 0.00	94.15 2.32 0.00	83.13 1.94 0.00	78.82 2.10 0.00	89.36 2.52 0.00	89.54 2.46 0.00	80.74 2.27 0.00	101.91 2.87 0.00	77.79 2.33 0.00	76.10 2.33 0.00	67.39 1.93 0.00	72.24 1.90 0.00	77.26 1.96 0.00	86.72 2.04 0.00
GILBOA___4 23759	48.41 0.87 0.00	45.76 0.89 0.00	48.12 1.01 0.00	47.73 1.01 0.00	42.91 0.64 0.00	44.27 0.73 0.00	57.50 1.13 0.00	40.22 1.05 0.00	41.27 1.08 0.00	50.84 1.36 0.00	95.60 2.51 0.00	94.15 2.32 0.00	83.13 1.94 0.00	78.82 2.10 0.00	89.36 2.52 0.00	89.54 2.46 0.00	80.74 2.27 0.00	101.91 2.87 0.00	77.79 2.33 0.00	76.10 2.33 0.00	67.39 1.93 0.00	72.24 1.90 0.00	77.26 1.96 0.00	86.72 2.04 0.00
GILBOA___ 23599	48.41 0.87 0.00	45.76 0.89 0.00	48.12 1.01 0.00	47.73 1.00 0.00	42.91 0.64 0.00	44.28 0.73 0.00	57.50 1.13 0.00	40.22 1.05 0.00	41.27 1.08 0.00	50.84 1.36 0.00	95.60 2.51 0.00	94.15 2.32 0.00	83.13 1.94 0.00	78.82 2.10 0.00	89.35 2.52 0.00	89.54 2.47 0.00	80.74 2.27 0.00	101.91 2.88 0.00	77.79 2.32 0.00	76.10 2.33 0.00	67.39 1.94 0.00	72.24 1.90 0.00	77.26 1.97 0.00	86.72 2.04 0.00
GINNA___ 23603	44.04 -3.50 0.00	41.41 -3.46 0.00	43.56 -3.56 0.00	43.17 -3.56 0.00	39.20 -3.07 0.00	40.36 -3.19 0.00	52.25 -4.12 0.00	36.19 -2.98 0.00	37.20 -2.99 0.00	45.59 -3.88 0.00	85.23 -7.86 0.00	84.05 -7.79 0.00	74.35 -6.84 0.00	70.13 -6.59 0.00	79.32 -7.51 0.00	79.39 -7.68 0.00	71.43 -7.04 0.00	90.41 -8.62 0.00	68.29 -7.18 0.00	66.46 -7.31 0.00	59.01 -6.44 0.00	63.48 -6.86 0.00	68.24 -7.06 0.00	77.11 -7.57 0.00
GLEN PARK___ 23778	48.73 1.20 0.00	46.83 1.96 0.00	49.06 1.94 0.00	47.76 1.03 0.00	43.17 0.90 0.00	44.58 1.03 0.00	58.10 1.73 0.00	40.40 1.23 0.00	41.35 1.16 0.00	50.57 1.09 0.00	95.39 2.30 0.00	93.58 1.75 0.00	82.85 1.66 0.00	78.40 1.68 0.00	88.69 1.86 0.00	88.93 1.85 0.00	80.48 2.01 0.00	101.91 2.88 0.00	77.32 1.86 0.00	75.48 1.71 0.00	66.86 1.41 0.00	71.64 1.30 0.00	76.36 1.06 0.00	85.51 0.83 0.00
GLENDALE_27_KV_LOAD 356172	49.61 2.07 0.00	46.50 1.64 0.00	48.55 1.43 0.00	48.21 1.48 0.00	43.72 1.46 0.00	45.24 1.69 0.00	59.02 2.65 0.00	41.58 2.41 0.00	42.77 2.58 0.00	52.69 3.22 0.00	99.31 6.22 0.00	98.22 6.38 0.00	86.74 5.56 0.00	82.15 5.43 0.00	93.21 6.37 0.00	93.41 6.33 0.00	84.28 5.81 0.00	106.25 7.21 0.00	81.39 5.92 0.00	79.28 5.51 0.00	70.12 4.66 0.00	75.02 4.68 0.00	80.12 4.82 0.00	89.39 4.70 0.00
GLENWOOD_IC_1_G5 23712	49.84 2.30 0.00	46.72 1.86 0.00	48.81 1.69 0.00	48.43 1.71 0.00	43.91 1.65 0.00	45.47 1.92 0.00	59.21 2.83 0.00	41.51 2.34 0.00	42.58 2.39 0.00	52.64 3.17 0.00	99.20 6.11 0.00	100.06 6.31 -1.91	86.60 5.41 0.00	81.84 5.12 0.00	92.83 6.00 0.00	93.05 5.97 0.00	85.31 5.58 -1.26	106.61 7.02 -0.55	90.84 5.72 -9.65	83.18 5.36 -4.05	70.00 4.54 0.00	74.83 4.49 0.00	80.04 4.74 0.00	90.51 5.27 -0.56
GLENWOOD_IC_2_G1 23688	49.59 2.05 0.00	46.49 1.63 0.00	48.58 1.46 0.00	48.22 1.49 0.00	43.71 1.44 0.00	45.24 1.69 0.00	58.91 2.54 0.00	41.50 2.33 0.00	42.59 2.41 0.00	52.59 3.11 0.00	99.04 5.95 0.00	98.06 6.18 -0.04	86.50 5.31 0.00	81.79 5.07 0.00	92.79 5.95 0.00	93.00 5.92 0.00	84.04 5.52 -0.05	105.98 6.93 -0.02	81.54 5.67 -0.41	79.24 5.30 -0.17	69.99 4.54 0.00	74.88 4.54 0.00	80.02 4.72 0.00	89.48 4.77 -0.02
GLENWOOD_IC_3_G1 23689	49.59 2.05 0.00	46.49 1.63 0.00	48.58 1.46 0.00	48.22 1.49 0.00	43.71 1.44 0.00	45.24 1.69 0.00	58.91 2.54 0.00	41.50 2.33 0.00	42.59 2.41 0.00	52.59 3.11 0.00	99.04 5.95 0.00	98.06 6.18 -0.04	86.50 5.31 0.00	81.79 5.07 0.00	92.79 5.95 0.00	93.00 5.92 0.00	84.04 5.52 -0.05	105.98 6.93 -0.02	81.54 5.67 -0.41	79.24 5.30 -0.17	69.99 4.54 0.00	74.88 4.54 0.00	80.02 4.72 0.00	89.48 4.77 -0.02
GLENWOOD___4 23550	49.84 2.30 0.00	46.72 1.86 0.00	48.81 1.69 0.00	48.43 1.71 0.00	43.91 1.65 0.00	45.47 1.92 0.00	59.22 2.84 0.00	41.61 2.44 0.00	42.69 2.49 0.00	52.75 3.28 0.00	99.41 6.32 0.00	100.29 6.55 -1.91	86.80 5.60 0.00	82.03 5.31 0.00	93.05 6.21 0.00	93.27 6.19 0.00	85.49 5.76 -1.26	106.86 7.27 -0.55	91.03 5.92 -9.65	83.35 5.53 -4.05	70.15 4.70 0.00	75.01 4.67 0.00	80.20 4.90 0.00	90.51 5.27 -0.56
GLENWOOD___5 23614	49.84 2.30 0.00	46.72 1.86 0.00	48.81 1.69 0.00	48.43 1.71 0.00	43.91 1.65 0.00	45.47 1.92 0.00	59.22 2.84 0.00	41.61 2.44 0.00	42.69 2.49 0.00	52.75 3.28 0.00	99.41 6.32 0.00	100.29 6.55 -1.91	86.80 5.60 0.00	82.03 5.31 0.00	93.05 6.21 0.00	93.27 6.19 0.00	85.49 5.76 -1.26	106.86 7.27 -0.55	91.03 5.92 -9.65	83.35 5.53 -4.05	70.15 4.70 0.00	75.01 4.67 0.00	80.20 4.90 0.00	90.51 5.27 -0.56
GLOBAL GREEN_PORT_GT1 23814	51.84 4.31 0.00	48.38 3.52 0.00	50.45 3.33 0.00	49.80 3.07 0.00	44.73 2.47 0.00	46.48 2.93 0.00	60.67 4.30 0.00	42.97 3.80 0.00	43.61 3.42 0.00	54.33 4.86 0.00	101.87 8.77 -0.01	104.49 8.85 -3.81	89.77 8.57 -0.01	84.24 7.52 0.00	94.81 7.98 0.00	95.04 7.97 0.00	86.96 7.76 -0.73	109.25 9.90 -0.32	89.53 8.21 -5.85	83.62 7.51 -2.34	71.90 6.45 0.00	76.78 6.44 0.00	82.17 6.87 0.00	91.67 6.67 -0.32
GLOBE___DSASP 323697	43.79 -3.75 0.00	41.02 -3.85 0.00	43.28 -3.84 0.00	42.87 -3.85 0.00	38.95 -3.31 0.00	39.84 -3.70 0.00	50.99 -5.38 0.00	34.88 -4.29 0.00	35.95 -4.24 0.00	43.78 -5.69 0.00	81.02 -12.07 0.00	79.93 -11.91 0.00	70.72 -10.47 0.00	66.59 -10.13 0.00	75.23 -11.61 0.00	75.12 -11.95 0.00	67.02 -11.45 0.00	85.04 -13.99 0.00	63.71 -11.75 0.00	61.85 -11.92 0.00	55.25 -10.20 0.00	59.99 -10.35 0.00	65.21 -10.09 0.00	74.70 -9.99 0.00
GOETHSLN___LBMP 323567	49.11 1.57 0.00	46.04 1.18 0.00	48.09 0.97 0.00	47.76 1.03 0.00	43.31 1.05 0.00	44.79 1.24 0.00	58.40 2.02 0.00	41.19 2.02 0.00	42.34 2.15 0.00	52.15 2.68 0.00	98.19 5.10 0.00	97.08 5.24 0.00	85.72 4.54 0.00	81.18 4.46 0.00	92.12 5.28 0.00	92.32 5.25 0.00	83.35 4.88 0.00	105.06 6.03 0.00	80.45 4.99 0.00	78.38 4.60 0.00	69.35 3.89 0.00	74.22 3.87 0.00	79.29 3.99 0.00	88.48 3.79 0.00
GOLAH___69_KV_TB 1_2 80279	46.08 -1.46 0.00	43.22 -1.65 0.00	45.50 -1.62 0.00	45.09 -1.65 0.00	40.95 -1.32 0.00	42.11 -1.44 0.00	54.36 -2.01 0.00	37.57 -1.60 0.00	38.64 -1.54 0.00	47.31 -2.16 0.00	88.27 -4.82 0.00	87.02 -4.81 0.00	76.99 -4.19 0.00	72.56 -4.16 0.00	82.03 -4.81 0.00	82.03 -5.05 0.00	73.60 -4.87 0.00	93.37 -5.66 0.00	70.41 -5.05 0.00	68.44 -5.34 0.00	60.88 -4.58 0.00	65.59 -4.76 0.00	70.70 -4.60 0.00	80.09 -4.59 0.00

GOODYEAR_LAKE_HYD 323669	49.15 1.61 0.00	46.33 1.45 0.00	48.65 1.54 0.00	48.24 1.51 0.00	43.58 1.32 0.00	45.00 1.45 0.00	58.53 2.16 0.00	40.86 1.69 0.00	41.95 1.75 0.00	51.55 2.07 0.00	96.91 3.82 0.00	95.67 3.83 0.00	84.59 3.40 0.00	80.07 3.34 0.00	90.64 3.80 0.00	90.81 3.74 0.00	81.88 3.41 0.00	103.52 4.49 0.00	78.77 3.30 0.00	76.92 3.15 0.00	68.14 2.69 0.00	73.10 2.76 0.00	78.12 2.82 0.00	87.57 2.89 0.00
GOUDEY_115_KV_TB6_REV_LBMP_C 345031	47.07 -0.47 0.00	44.30 -0.57 0.00	46.49 -0.63 0.00	46.12 -0.61 0.00	41.80 -0.46 0.00	43.08 -0.47 0.00	55.95 -0.42 0.00	39.01 -0.16 0.00	40.03 -0.15 0.00	49.23 -0.24 0.00	92.55 -0.54 0.00	91.40 -0.43 0.00	80.83 -0.36 0.00	76.41 -0.31 0.00	86.64 -0.19 0.00	86.64 -0.43 0.00	77.98 -0.49 0.00	98.50 -0.53 0.00	74.79 -0.67 0.00	72.95 -0.82 0.00	64.63 -0.83 0.00	69.35 -0.99 0.00	74.17 -1.13 0.00	83.29 -1.39 0.00
GOUDEY___7 23579	47.07 -0.47 0.00	44.30 -0.57 0.00	46.49 -0.63 0.00	46.12 -0.61 0.00	41.80 -0.46 0.00	43.08 -0.47 0.00	55.95 -0.42 0.00	39.01 -0.16 0.00	40.03 -0.15 0.00	49.23 -0.24 0.00	92.55 -0.54 0.00	91.40 -0.43 0.00	80.83 -0.36 0.00	76.41 -0.31 0.00	86.64 -0.19 0.00	86.64 -0.43 0.00	77.98 -0.49 0.00	98.50 -0.53 0.00	74.79 -0.67 0.00	72.95 -0.82 0.00	64.63 -0.83 0.00	69.35 -0.99 0.00	74.17 -1.13 0.00	83.29 -1.39 0.00
GOUDEY___8 23580	47.07 -0.47 0.00	44.30 -0.57 0.00	46.49 -0.63 0.00	46.12 -0.61 0.00	41.80 -0.46 0.00	43.08 -0.47 0.00	55.95 -0.42 0.00	39.01 -0.16 0.00	40.03 -0.15 0.00	49.23 -0.24 0.00	92.55 -0.54 0.00	91.40 -0.43 0.00	80.83 -0.36 0.00	76.41 -0.31 0.00	86.64 -0.19 0.00	86.64 -0.43 0.00	77.98 -0.49 0.00	98.50 -0.53 0.00	74.79 -0.67 0.00	72.95 -0.82 0.00	64.63 -0.83 0.00	69.35 -0.99 0.00	74.17 -1.13 0.00	83.29 -1.39 0.00
GOWANUS_GT1_1 24077	49.60 2.07 0.00	46.54 1.67 0.00	48.59 1.48 0.00	48.25 1.52 0.00	43.77 1.50 0.00	45.24 1.69 0.00	59.01 2.64 0.00	41.52 2.35 0.00	42.68 2.49 0.00	52.58 3.10 0.00	98.94 5.85 0.00	97.91 6.08 0.00	86.49 5.31 0.00	81.94 5.22 0.00	92.96 6.12 0.00	93.16 6.09 0.00	84.04 5.57 0.00	106.00 6.97 0.00	81.19 5.72 0.00	79.08 5.31 0.00	69.98 4.53 0.00	74.89 4.55 0.00	80.04 4.74 0.00	89.32 4.64 0.00
GOWANUS_GT1_2 24078	49.60 2.07 0.00	46.54 1.67 0.00	48.59 1.48 0.00	48.25 1.52 0.00	43.77 1.50 0.00	45.24 1.69 0.00	59.01 2.64 0.00	41.52 2.35 0.00	42.68 2.49 0.00	52.58 3.10 0.00	98.94 5.85 0.00	97.91 6.08 0.00	86.49 5.31 0.00	81.94 5.22 0.00	92.96 6.12 0.00	93.16 6.09 0.00	84.04 5.57 0.00	106.00 6.97 0.00	81.19 5.72 0.00	79.08 5.31 0.00	69.98 4.53 0.00	74.89 4.55 0.00	80.04 4.74 0.00	89.32 4.64 0.00
GOWANUS_GT1_3 24079	49.60 2.07 0.00	46.54 1.67 0.00	48.59 1.48 0.00	48.25 1.52 0.00	43.77 1.50 0.00	45.24 1.69 0.00	59.01 2.64 0.00	41.52 2.35 0.00	42.68 2.49 0.00	52.58 3.10 0.00	98.94 5.85 0.00	97.91 6.08 0.00	86.49 5.31 0.00	81.94 5.22 0.00	92.96 6.12 0.00	93.16 6.09 0.00	84.04 5.57 0.00	106.00 6.97 0.00	81.19 5.72 0.00	79.08 5.31 0.00	69.98 4.53 0.00	74.89 4.55 0.00	80.04 4.74 0.00	89.32 4.64 0.00
GOWANUS_GT1_4 24080	49.60 2.07 0.00	46.54 1.67 0.00	48.59 1.48 0.00	48.25 1.52 0.00	43.77 1.50 0.00	45.24 1.69 0.00	59.01 2.64 0.00	41.52 2.35 0.00	42.68 2.49 0.00	52.58 3.10 0.00	98.94 5.85 0.00	97.91 6.08 0.00	86.49 5.31 0.00	81.94 5.22 0.00	92.96 6.12 0.00	93.16 6.09 0.00	84.04 5.57 0.00	106.00 6.97 0.00	81.19 5.72 0.00	79.08 5.31 0.00	69.98 4.53 0.00	74.89 4.55 0.00	80.04 4.74 0.00	89.32 4.64 0.00
GOWANUS_GT1_5 24084	49.60 2.07 0.00	46.54 1.67 0.00	48.59 1.48 0.00	48.25 1.52 0.00	43.77 1.50 0.00	45.24 1.69 0.00	59.01 2.64 0.00	41.52 2.35 0.00	42.68 2.49 0.00	52.58 3.10 0.00	98.94 5.85 0.00	97.91 6.08 0.00	86.49 5.31 0.00	81.94 5.22 0.00	92.96 6.12 0.00	93.16 6.09 0.00	84.04 5.57 0.00	106.00 6.97 0.00	81.19 5.72 0.00	79.08 5.31 0.00	69.98 4.53 0.00	74.89 4.55 0.00	80.04 4.74 0.00	89.32 4.64 0.00
GOWANUS_GT1_6 24111	49.60 2.07 0.00	46.54 1.67 0.00	48.59 1.48 0.00	48.25 1.52 0.00	43.77 1.50 0.00	45.24 1.69 0.00	59.01 2.64 0.00	41.52 2.35 0.00	42.68 2.49 0.00	52.58 3.10 0.00	98.94 5.85 0.00	97.91 6.08 0.00	86.49 5.31 0.00	81.94 5.22 0.00	92.96 6.12 0.00	93.16 6.09 0.00	84.04 5.57 0.00	106.00 6.97 0.00	81.19 5.72 0.00	79.08 5.31 0.00	69.98 4.53 0.00	74.89 4.55 0.00	80.04 4.74 0.00	89.32 4.64 0.00
GOWANUS_GT1_7 24112	49.60 2.07 0.00	46.54 1.67 0.00	48.59 1.48 0.00	48.25 1.52 0.00	43.77 1.50 0.00	45.24 1.69 0.00	59.01 2.64 0.00	41.52 2.35 0.00	42.68 2.49 0.00	52.58 3.10 0.00	98.94 5.85 0.00	97.91 6.08 0.00	86.49 5.31 0.00	81.94 5.22 0.00	92.96 6.12 0.00	93.16 6.09 0.00	84.04 5.57 0.00	106.00 6.97 0.00	81.19 5.72 0.00	79.08 5.31 0.00	69.98 4.53 0.00	74.89 4.55 0.00	80.04 4.74 0.00	89.32 4.64 0.00
GOWANUS_GT1_8 24113	49.60 2.07 0.00	46.54 1.67 0.00	48.59 1.48 0.00	48.25 1.52 0.00	43.77 1.50 0.00	45.24 1.69 0.00	59.01 2.64 0.00	41.52 2.35 0.00	42.68 2.49 0.00	52.58 3.10 0.00	98.94 5.85 0.00	97.91 6.08 0.00	86.49 5.31 0.00	81.94 5.22 0.00	92.96 6.12 0.00	93.16 6.09 0.00	84.04 5.57 0.00	106.00 6.97 0.00	81.19 5.72 0.00	79.08 5.31 0.00	69.98 4.53 0.00	74.89 4.55 0.00	80.04 4.74 0.00	89.32 4.64 0.00
GOWANUS_GT2_1 24114	49.57 2.03 0.00	46.51 1.64 0.00	48.56 1.44 0.00	48.22 1.49 0.00	43.73 1.47 0.00	45.23 1.68 0.00	58.98 2.61 0.00	41.49 2.32 0.00	42.65 2.46 0.00	52.54 3.07 0.00	98.87 5.78 0.00	97.61 6.00 0.23	86.44 5.25 0.00	81.88 5.15 0.00	92.88 6.05 0.00	93.09 6.02 0.00	83.99 5.52 0.00	105.93 6.90 0.00	81.12 5.66 0.00	79.03 5.25 0.00	69.93 4.48 0.00	74.84 4.50 0.00	79.98 4.68 0.00	89.27 4.58 0.00
GOWANUS_GT2_2 24115	49.57 2.03 0.00	46.51 1.64 0.00	48.56 1.44 0.00	48.22 1.49 0.00	43.73 1.47 0.00	45.23 1.68 0.00	58.98 2.61 0.00	41.49 2.32 0.00	42.65 2.46 0.00	52.54 3.07 0.00	98.87 5.78 0.00	97.61 6.00 0.23	86.44 5.25 0.00	81.88 5.15 0.00	92.88 6.05 0.00	93.09 6.02 0.00	83.99 5.52 0.00	105.93 6.90 0.00	81.12 5.66 0.00	79.03 5.25 0.00	69.93 4.48 0.00	74.84 4.50 0.00	79.98 4.68 0.00	89.27 4.58 0.00
GOWANUS_GT2_3 24116	49.57 2.03 0.00	46.51 1.64 0.00	48.56 1.44 0.00	48.22 1.49 0.00	43.73 1.47 0.00	45.23 1.68 0.00	58.98 2.61 0.00	41.49 2.32 0.00	42.65 2.46 0.00	52.54 3.07 0.00	98.87 5.78 0.00	97.61 6.00 0.23	86.44 5.25 0.00	81.88 5.15 0.00	92.88 6.05 0.00	93.09 6.02 0.00	83.99 5.52 0.00	105.93 6.90 0.00	81.12 5.66 0.00	79.03 5.25 0.00	69.93 4.48 0.00	74.84 4.50 0.00	79.98 4.68 0.00	89.27 4.58 0.00

GOWANUS_GT2_4 24117	49.57 2.03 0.00	46.51 1.64 0.00	48.56 1.44 0.00	48.22 1.49 0.00	43.73 1.47 0.00	45.23 1.68 0.00	58.98 2.61 0.00	41.49 2.32 0.00	42.65 2.46 0.00	52.54 3.07 0.00	98.87 5.78 0.00	97.61 6.00 0.23	86.44 5.25 0.00	81.88 5.15 0.00	92.88 6.05 0.00	93.09 6.02 0.00	83.99 5.52 0.00	105.93 6.90 0.00	81.12 5.66 0.00	79.03 5.25 0.00	69.93 4.48 0.00	74.84 4.50 0.00	79.98 4.68 0.00	89.27 4.58 0.00
GOWANUS_GT2_5 24118	49.57 2.03 0.00	46.51 1.64 0.00	48.56 1.44 0.00	48.22 1.49 0.00	43.73 1.47 0.00	45.23 1.68 0.00	58.98 2.61 0.00	41.49 2.32 0.00	42.65 2.46 0.00	52.54 3.07 0.00	98.87 5.78 0.00	97.61 6.00 0.23	86.44 5.25 0.00	81.88 5.15 0.00	92.88 6.05 0.00	93.09 6.02 0.00	83.99 5.52 0.00	105.93 6.90 0.00	81.12 5.66 0.00	79.03 5.25 0.00	69.93 4.48 0.00	74.84 4.50 0.00	79.98 4.68 0.00	89.27 4.58 0.00
GOWANUS_GT2_6 24119	49.57 2.03 0.00	46.51 1.64 0.00	48.56 1.44 0.00	48.22 1.49 0.00	43.73 1.47 0.00	45.23 1.68 0.00	58.98 2.61 0.00	41.49 2.32 0.00	42.65 2.46 0.00	52.54 3.07 0.00	98.87 5.78 0.00	97.61 6.00 0.23	86.44 5.25 0.00	81.88 5.15 0.00	92.88 6.05 0.00	93.09 6.02 0.00	83.99 5.52 0.00	105.93 6.90 0.00	81.12 5.66 0.00	79.03 5.25 0.00	69.93 4.48 0.00	74.84 4.50 0.00	79.98 4.68 0.00	89.27 4.58 0.00
GOWANUS_GT2_7 24120	49.57 2.03 0.00	46.51 1.64 0.00	48.56 1.44 0.00	48.22 1.49 0.00	43.73 1.47 0.00	45.23 1.68 0.00	58.98 2.61 0.00	41.49 2.32 0.00	42.65 2.46 0.00	52.54 3.07 0.00	98.87 5.78 0.00	97.61 6.00 0.23	86.44 5.25 0.00	81.88 5.15 0.00	92.88 6.05 0.00	93.09 6.02 0.00	83.99 5.52 0.00	105.93 6.90 0.00	81.12 5.66 0.00	79.03 5.25 0.00	69.93 4.48 0.00	74.84 4.50 0.00	79.98 4.68 0.00	89.27 4.58 0.00
GOWANUS_GT2_8 24121	49.57 2.03 0.00	46.51 1.64 0.00	48.56 1.44 0.00	48.22 1.49 0.00	43.73 1.47 0.00	45.23 1.68 0.00	58.98 2.61 0.00	41.49 2.32 0.00	42.65 2.46 0.00	52.54 3.07 0.00	98.87 5.78 0.00	97.61 6.00 0.23	86.44 5.25 0.00	81.88 5.15 0.00	92.88 6.05 0.00	93.09 6.02 0.00	83.99 5.52 0.00	105.93 6.90 0.00	81.12 5.66 0.00	79.03 5.25 0.00	69.93 4.48 0.00	74.84 4.50 0.00	79.98 4.68 0.00	89.27 4.58 0.00
GOWANUS_GT3_1 24122	49.60 2.07 0.00	46.54 1.67 0.00	48.59 1.48 0.00	48.25 1.52 0.00	43.76 1.50 0.00	45.24 1.69 0.00	59.01 2.64 0.00	41.52 2.35 0.00	42.68 2.49 0.00	52.58 3.10 0.00	98.94 5.85 0.00	97.91 6.08 0.00	86.49 5.31 0.00	81.94 5.22 0.00	92.96 6.12 0.00	93.15 6.08 0.00	84.05 5.58 0.00	106.01 6.97 0.00	81.19 5.72 0.00	79.08 5.31 0.00	69.99 4.53 0.00	74.89 4.55 0.00	80.04 4.74 0.00	89.31 4.63 0.00
GOWANUS_GT3_2 24123	49.60 2.07 0.00	46.54 1.67 0.00	48.59 1.48 0.00	48.25 1.52 0.00	43.76 1.50 0.00	45.24 1.69 0.00	59.01 2.64 0.00	41.52 2.35 0.00	42.68 2.49 0.00	52.58 3.10 0.00	98.94 5.85 0.00	97.91 6.08 0.00	86.49 5.31 0.00	81.94 5.22 0.00	92.96 6.12 0.00	93.15 6.08 0.00	84.05 5.58 0.00	106.01 6.97 0.00	81.19 5.72 0.00	79.08 5.31 0.00	69.99 4.53 0.00	74.89 4.55 0.00	80.04 4.74 0.00	89.31 4.63 0.00
GOWANUS_GT3_3 24124	49.60 2.07 0.00	46.54 1.67 0.00	48.59 1.48 0.00	48.25 1.52 0.00	43.76 1.50 0.00	45.24 1.69 0.00	59.01 2.64 0.00	41.52 2.35 0.00	42.68 2.49 0.00	52.58 3.10 0.00	98.94 5.85 0.00	97.91 6.08 0.00	86.49 5.31 0.00	81.94 5.22 0.00	92.96 6.12 0.00	93.15 6.08 0.00	84.05 5.58 0.00	106.01 6.97 0.00	81.19 5.72 0.00	79.08 5.31 0.00	69.99 4.53 0.00	74.89 4.55 0.00	80.04 4.74 0.00	89.31 4.63 0.00
GOWANUS_GT3_4 24125	49.60 2.07 0.00	46.54 1.67 0.00	48.59 1.48 0.00	48.25 1.52 0.00	43.76 1.50 0.00	45.24 1.69 0.00	59.01 2.64 0.00	41.52 2.35 0.00	42.68 2.49 0.00	52.58 3.10 0.00	98.94 5.85 0.00	97.91 6.08 0.00	86.49 5.31 0.00	81.94 5.22 0.00	92.96 6.12 0.00	93.15 6.08 0.00	84.05 5.58 0.00	106.01 6.97 0.00	81.19 5.72 0.00	79.08 5.31 0.00	69.99 4.53 0.00	74.89 4.55 0.00	80.04 4.74 0.00	89.31 4.63 0.00
GOWANUS_GT3_5 24126	49.60 2.07 0.00	46.54 1.67 0.00	48.59 1.48 0.00	48.25 1.52 0.00	43.76 1.50 0.00	45.24 1.69 0.00	59.01 2.64 0.00	41.52 2.35 0.00	42.68 2.49 0.00	52.58 3.10 0.00	98.94 5.85 0.00	97.91 6.08 0.00	86.49 5.31 0.00	81.94 5.22 0.00	92.96 6.12 0.00	93.15 6.08 0.00	84.05 5.58 0.00	106.01 6.97 0.00	81.19 5.72 0.00	79.08 5.31 0.00	69.99 4.53 0.00	74.89 4.55 0.00	80.04 4.74 0.00	89.31 4.63 0.00
GOWANUS_GT3_6 24127	49.60 2.07 0.00	46.54 1.67 0.00	48.59 1.48 0.00	48.25 1.52 0.00	43.76 1.50 0.00	45.24 1.69 0.00	59.01 2.64 0.00	41.52 2.35 0.00	42.68 2.49 0.00	52.58 3.10 0.00	98.94 5.85 0.00	97.91 6.08 0.00	86.49 5.31 0.00	81.94 5.22 0.00	92.96 6.12 0.00	93.15 6.08 0.00	84.05 5.58 0.00	106.01 6.97 0.00	81.19 5.72 0.00	79.08 5.31 0.00	69.99 4.53 0.00	74.89 4.55 0.00	80.04 4.74 0.00	89.31 4.63 0.00
GOWANUS_GT3_7 24128	49.60 2.07 0.00	46.54 1.67 0.00	48.59 1.48 0.00	48.25 1.52 0.00	43.76 1.50 0.00	45.24 1.69 0.00	59.01 2.64 0.00	41.52 2.35 0.00	42.68 2.49 0.00	52.58 3.10 0.00	98.94 5.85 0.00	97.91 6.08 0.00	86.49 5.31 0.00	81.94 5.22 0.00	92.96 6.12 0.00	93.15 6.08 0.00	84.05 5.58 0.00	106.01 6.97 0.00	81.19 5.72 0.00	79.08 5.31 0.00	69.99 4.53 0.00	74.89 4.55 0.00	80.04 4.74 0.00	89.31 4.63 0.00
GOWANUS_GT3_8 24129	49.60 2.07 0.00	46.54 1.67 0.00	48.59 1.48 0.00	48.25 1.52 0.00	43.76 1.50 0.00	45.24 1.69 0.00	59.01 2.64 0.00	41.52 2.35 0.00	42.68 2.49 0.00	52.58 3.10 0.00	98.94 5.85 0.00	97.91 6.08 0.00	86.49 5.31 0.00	81.94 5.22 0.00	92.96 6.12 0.00	93.15 6.08 0.00	84.05 5.58 0.00	106.01 6.97 0.00	81.19 5.72 0.00	79.08 5.31 0.00	69.99 4.53 0.00	74.89 4.55 0.00	80.04 4.74 0.00	89.31 4.63 0.00
GOWANUS_GT4_1 24130	49.57 2.03 0.00	46.51 1.64 0.00	48.56 1.44 0.00	48.22 1.49 0.00	43.73 1.47 0.00	45.23 1.68 0.00	58.98 2.61 0.00	41.49 2.32 0.00	42.65 2.46 0.00	52.54 3.07 0.00	98.86 5.77 0.00	97.61 6.00 0.23	86.44 5.26 0.00	81.87 5.15 0.00	92.89 6.05 0.00	93.09 6.02 0.00	83.99 5.52 0.00	105.93 6.90 0.00	81.12 5.66 0.00	79.03 5.25 0.00	69.93 4.48 0.00	74.83 4.49 0.00	79.98 4.68 0.00	89.27 4.59 0.00
GOWANUS_GT4_2 24131	49.57 2.03 0.00	46.51 1.64 0.00	48.56 1.44 0.00	48.22 1.49 0.00	43.73 1.47 0.00	45.23 1.68 0.00	58.98 2.61 0.00	41.49 2.32 0.00	42.65 2.46 0.00	52.54 3.07 0.00	98.86 5.77 0.00	97.61 6.00 0.23	86.44 5.26 0.00	81.87 5.15 0.00	92.89 6.05 0.00	93.09 6.02 0.00	83.99 5.52 0.00	105.93 6.90 0.00	81.12 5.66 0.00	79.03 5.25 0.00	69.93 4.48 0.00	74.83 4.49 0.00	79.98 4.68 0.00	89.27 4.59 0.00

GOWANUS_GT4_3 24132	49.57 2.03 0.00	46.51 1.64 0.00	48.56 1.44 0.00	48.22 1.49 0.00	43.73 1.47 0.00	45.23 1.68 0.00	58.98 2.61 0.00	41.49 2.32 0.00	42.65 2.46 0.00	52.54 3.07 0.00	98.86 5.77 0.00	97.61 6.00 0.23	86.44 5.26 0.00	81.87 5.15 0.00	92.89 6.05 0.00	93.09 6.02 0.00	83.99 5.52 0.00	105.93 6.90 0.00	81.12 5.66 0.00	79.03 5.25 0.00	69.93 4.48 0.00	74.83 4.49 0.00	79.98 4.68 0.00	89.27 4.59 0.00
GOWANUS_GT4_4 24133	49.57 2.03 0.00	46.51 1.64 0.00	48.56 1.44 0.00	48.22 1.49 0.00	43.73 1.47 0.00	45.23 1.68 0.00	58.98 2.61 0.00	41.49 2.32 0.00	42.65 2.46 0.00	52.54 3.07 0.00	98.86 5.77 0.00	97.61 6.00 0.23	86.44 5.26 0.00	81.87 5.15 0.00	92.89 6.05 0.00	93.09 6.02 0.00	83.99 5.52 0.00	105.93 6.90 0.00	81.12 5.66 0.00	79.03 5.25 0.00	69.93 4.48 0.00	74.83 4.49 0.00	79.98 4.68 0.00	89.27 4.59 0.00
GOWANUS_GT4_5 24134	49.57 2.03 0.00	46.51 1.64 0.00	48.56 1.44 0.00	48.22 1.49 0.00	43.73 1.47 0.00	45.23 1.68 0.00	58.98 2.61 0.00	41.49 2.32 0.00	42.65 2.46 0.00	52.54 3.07 0.00	98.86 5.77 0.00	97.61 6.00 0.23	86.44 5.26 0.00	81.87 5.15 0.00	92.89 6.05 0.00	93.09 6.02 0.00	83.99 5.52 0.00	105.93 6.90 0.00	81.12 5.66 0.00	79.03 5.25 0.00	69.93 4.48 0.00	74.83 4.49 0.00	79.98 4.68 0.00	89.27 4.59 0.00
GOWANUS_GT4_6 24135	49.57 2.03 0.00	46.51 1.64 0.00	48.56 1.44 0.00	48.22 1.49 0.00	43.73 1.47 0.00	45.23 1.68 0.00	58.98 2.61 0.00	41.49 2.32 0.00	42.65 2.46 0.00	52.54 3.07 0.00	98.86 5.77 0.00	97.61 6.00 0.23	86.44 5.26 0.00	81.87 5.15 0.00	92.89 6.05 0.00	93.09 6.02 0.00	83.99 5.52 0.00	105.93 6.90 0.00	81.12 5.66 0.00	79.03 5.25 0.00	69.93 4.48 0.00	74.83 4.49 0.00	79.98 4.68 0.00	89.27 4.59 0.00
GOWANUS_GT4_7 24136	49.57 2.03 0.00	46.51 1.64 0.00	48.56 1.44 0.00	48.22 1.49 0.00	43.73 1.47 0.00	45.23 1.68 0.00	58.98 2.61 0.00	41.49 2.32 0.00	42.65 2.46 0.00	52.54 3.07 0.00	98.86 5.77 0.00	97.61 6.00 0.23	86.44 5.26 0.00	81.87 5.15 0.00	92.89 6.05 0.00	93.09 6.02 0.00	83.99 5.52 0.00	105.93 6.90 0.00	81.12 5.66 0.00	79.03 5.25 0.00	69.93 4.48 0.00	74.83 4.49 0.00	79.98 4.68 0.00	89.27 4.59 0.00
GOWANUS_GT4_8 24137	49.57 2.03 0.00	46.51 1.64 0.00	48.56 1.44 0.00	48.22 1.49 0.00	43.73 1.47 0.00	45.23 1.68 0.00	58.98 2.61 0.00	41.49 2.32 0.00	42.65 2.46 0.00	52.54 3.07 0.00	98.86 5.77 0.00	97.61 6.00 0.23	86.44 5.26 0.00	81.87 5.15 0.00	92.89 6.05 0.00	93.09 6.02 0.00	83.99 5.52 0.00	105.93 6.90 0.00	81.12 5.66 0.00	79.03 5.25 0.00	69.93 4.48 0.00	74.83 4.49 0.00	79.98 4.68 0.00	89.27 4.59 0.00
GREENBSH_115KV_TB3 55895	48.32 0.79 0.00	45.58 0.71 0.00	47.81 0.69 0.00	47.46 0.73 0.00	42.91 0.64 0.00	44.28 0.74 0.00	57.49 1.11 0.00	40.24 1.07 0.00	41.21 1.03 0.00	50.90 1.42 0.00	96.18 3.09 0.00	94.80 2.97 0.00	83.74 2.55 0.00	79.27 2.55 0.00	89.97 3.13 0.00	90.17 3.10 0.00	81.38 2.91 0.00	102.70 3.67 0.00	78.32 2.85 0.00	76.47 2.70 0.00	67.69 2.24 0.00	72.54 2.19 0.00	77.57 2.27 0.00	87.22 2.54 0.00
GREENIDGE_115KV_TB5 80291	46.78 -0.76 0.00	43.88 -0.99 0.00	45.89 -1.22 0.00	45.50 -1.23 0.00	41.57 -0.70 0.00	42.73 -0.82 0.00	55.27 -1.10 0.00	38.66 -0.51 0.00	39.73 -0.46 0.00	48.52 -0.95 0.00	90.79 -2.30 0.00	89.76 -2.07 0.00	79.49 -1.70 0.00	75.07 -1.65 0.00	85.05 -1.79 0.00	85.04 -2.03 0.00	76.54 -1.93 0.00	96.49 -2.54 0.00	73.18 -2.28 0.00	71.23 -2.55 0.00	63.04 -2.41 0.00	67.57 -2.77 0.00	72.43 -2.87 0.00	81.21 -3.47 0.00
GREENIDGE___3 23582	46.78 -0.76 0.00	43.88 -0.99 0.00	45.89 -1.22 0.00	45.50 -1.23 0.00	41.57 -0.70 0.00	42.73 -0.82 0.00	55.27 -1.10 0.00	38.66 -0.51 0.00	39.73 -0.46 0.00	48.52 -0.95 0.00	90.79 -2.30 0.00	89.76 -2.07 0.00	79.49 -1.70 0.00	75.07 -1.65 0.00	85.05 -1.79 0.00	85.04 -2.03 0.00	76.54 -1.93 0.00	96.49 -2.54 0.00	73.18 -2.28 0.00	71.23 -2.55 0.00	63.04 -2.41 0.00	67.57 -2.77 0.00	72.43 -2.87 0.00	81.21 -3.47 0.00
GREENIDGE___4 23583	46.78 -0.75 0.00	43.88 -0.99 0.00	45.90 -1.22 0.00	45.50 -1.23 0.00	41.57 -0.70 0.00	42.73 -0.81 0.00	55.27 -1.10 0.00	38.66 -0.51 0.00	39.73 -0.46 0.00	48.52 -0.96 0.00	90.78 -2.31 0.00	89.73 -2.10 0.00	79.49 -1.70 0.00	75.07 -1.65 0.00	85.05 -1.78 0.00	85.04 -2.03 0.00	76.55 -1.93 0.00	96.49 -2.54 0.00	73.19 -2.28 0.00	71.23 -2.55 0.00	63.05 -2.40 0.00	67.57 -2.77 0.00	72.43 -2.87 0.00	81.22 -3.46 0.00
GREENLWN_69_KV_BK 3 55738	49.92 2.38 0.00	46.73 1.86 0.00	48.79 1.67 0.00	48.42 1.70 0.00	43.86 1.60 0.00	45.50 1.95 0.00	59.20 2.82 0.00	41.88 2.71 0.00	42.72 2.53 0.00	53.07 3.60 0.00	100.35 7.26 -0.01	103.18 7.60 -3.74	87.61 6.42 -0.01	82.57 5.84 0.00	93.58 6.74 0.00	93.69 6.62 0.00	85.18 5.97 -0.75	106.74 7.38 -0.33	87.66 6.22 -5.97	81.95 5.78 -2.39	70.54 5.09 0.00	75.44 5.10 0.00	80.75 5.45 0.00	90.40 5.39 -0.33
GREENWD_138_KV_38B11_REV_LBMP_J 345004	49.60 2.07 0.00	46.54 1.67 0.00	48.59 1.48 0.00	48.25 1.52 0.00	43.77 1.50 0.00	45.24 1.69 0.00	59.01 2.64 0.00	41.52 2.35 0.00	42.68 2.49 0.00	52.58 3.10 0.00	98.94 5.85 0.00	97.91 6.08 0.00	86.49 5.31 0.00	81.94 5.22 0.00	92.96 6.12 0.00	93.16 6.09 0.00	84.04 5.57 0.00	106.00 6.97 0.00	81.19 5.72 0.00	79.08 5.31 0.00	69.98 4.53 0.00	74.89 4.55 0.00	80.04 4.74 0.00	89.32 4.64 0.00
GRISSOM___SOLAR 323813	50.19 2.65 0.00	47.36 2.49 0.00	49.69 2.57 0.00	49.27 2.54 0.00	44.55 2.29 0.00	46.03 2.48 0.00	59.84 3.47 0.00	41.73 2.56 0.00	42.85 2.66 0.00	52.59 3.12 0.00	98.70 5.61 0.00	97.29 5.45 0.00	86.10 4.92 0.00	81.53 4.81 0.00	92.27 5.44 0.00	92.60 5.52 0.00	83.57 5.10 0.00	105.80 6.77 0.00	80.51 5.04 0.00	78.61 4.84 0.00	69.66 4.20 0.00	74.70 4.36 0.00	79.88 4.58 0.00	89.62 4.94 0.00
GROVEVILLE___HYD 323602	49.86 2.33 0.00	46.80 1.94 0.00	48.91 1.79 0.00	48.56 1.83 0.00	44.02 1.76 0.00	45.55 2.00 0.00	59.38 3.01 0.00	41.80 2.63 0.00	42.94 2.75 0.00	52.93 3.45 0.00	99.70 6.61 0.00	98.58 6.75 0.00	87.07 5.88 0.00	82.47 5.75 0.00	93.57 6.73 0.00	93.75 6.68 0.00	84.66 6.19 0.00	106.93 7.89 0.00	81.75 6.29 0.00	79.73 5.96 0.00	70.56 5.11 0.00	75.49 5.15 0.00	80.57 5.27 0.00	89.98 5.30 0.00
GRS_LOCK_115KV_LINE_2_SOLVAY 80269	46.71 -0.83 0.00	44.02 -0.85 0.00	46.21 -0.91 0.00	45.82 -0.91 0.00	41.48 -0.79 0.00	42.82 -0.73 0.00	55.56 -0.81 0.00	38.66 -0.51 0.00	39.68 -0.51 0.00	48.78 -0.69 0.00	91.71 -1.38 0.00	90.52 -1.31 0.00	79.98 -1.20 0.00	75.61 -1.11 0.00	85.55 -1.29 0.00	85.78 -1.30 0.00	77.89 -0.58 0.00	98.43 -0.60 0.00	74.41 -1.05 0.00	72.58 -1.19 0.00	64.30 -1.15 0.00	68.96 -1.38 0.00	73.78 -1.51 0.00	82.94 -1.75 0.00

HAMLTNNY_34_KV_TB 80303	46.72 -0.82 0.00	44.01 -0.86 0.00	46.20 -0.92 0.00	45.80 -0.93 0.00	41.50 -0.76 0.00	42.82 -0.73 0.00	55.55 -0.82 0.00	38.61 -0.56 0.00	39.64 -0.55 0.00	48.72 -0.76 0.00	91.57 -1.52 0.00	90.43 -1.40 0.00	79.85 -1.33 0.00	75.51 -1.21 0.00	85.37 -1.47 0.00	85.65 -1.42 0.00	78.15 -0.32 0.00	98.86 -0.17 0.00	74.38 -1.09 0.00	72.54 -1.24 0.00	64.28 -1.17 0.00	68.96 -1.38 0.00	73.77 -1.53 0.00	82.93 -1.75 0.00
HAMPSHIRE___PAPER_HYD 323593	49.36 1.82 0.00	49.21 4.34 0.00	51.57 4.45 0.00	48.49 1.76 0.00	43.47 1.21 0.00	44.42 0.87 0.00	56.98 0.61 0.00	39.20 0.04 0.00	40.16 -0.03 0.00	49.12 -0.35 0.00	92.57 -0.52 0.00	90.73 -1.11 0.00	80.99 -0.19 0.00	76.38 -0.34 0.00	86.32 -0.52 0.00	86.55 -0.53 0.00	78.16 -0.31 0.00	98.78 -0.26 0.00	75.13 -0.33 0.00	73.45 -0.32 0.00	65.18 -0.27 0.00	70.39 0.05 0.00	75.40 0.10 0.00	84.83 0.15 0.00
HARDSCRABBLE_WT_PWR 323673	47.90 0.36 0.00	45.10 0.23 0.00	47.20 0.08 0.00	46.71 -0.02 0.00	42.28 0.02 0.00	43.73 0.18 0.00	56.88 0.51 0.00	39.95 0.78 0.00	40.96 0.77 0.00	50.53 1.05 0.00	95.22 2.13 0.00	94.12 2.28 0.00	83.28 2.10 0.00	78.97 2.24 0.00	89.68 2.85 0.00	89.80 2.72 0.00	81.04 2.57 0.00	102.45 3.41 0.00	78.25 2.79 0.00	76.41 2.64 0.00	67.50 2.05 0.00	72.08 1.74 0.00	76.99 1.70 0.00	85.99 1.31 0.00
HARRIMAN_69_KV_BK771_REV_LBMP_G 345025	49.23 1.70 0.00	46.23 1.36 0.00	48.34 1.22 0.00	48.00 1.27 0.00	43.52 1.26 0.00	44.99 1.44 0.00	58.58 2.21 0.00	41.21 2.04 0.00	42.33 2.14 0.00	52.15 2.68 0.00	98.14 5.05 0.00	97.02 5.18 0.00	85.72 4.54 0.00	81.17 4.45 0.00	92.08 5.25 0.00	92.30 5.22 0.00	83.33 4.86 0.00	105.19 6.16 0.00	80.44 4.98 0.00	78.41 4.64 0.00	69.41 3.96 0.00	74.29 3.95 0.00	79.32 4.03 0.00	88.63 3.95 0.00
HARSNRAD_115KV_TB1 81005	44.94 -2.60 0.00	42.06 -2.81 0.00	44.35 -2.76 0.00	43.92 -2.81 0.00	39.88 -2.39 0.00	40.72 -2.83 0.00	52.08 -4.29 0.00	35.58 -3.59 0.00	36.66 -3.54 0.00	44.70 -4.77 0.00	82.85 -10.24 0.00	81.73 -10.10 0.00	72.31 -8.87 0.00	68.06 -8.66 0.00	76.79 -10.04 0.00	76.40 -10.67 0.00	68.23 -10.24 0.00	86.56 -12.47 0.00	64.87 -10.60 0.00	62.95 -10.82 0.00	56.22 -9.23 0.00	60.96 -9.38 0.00	66.16 -9.14 0.00	75.75 -8.94 0.00
HARZA MOOSE___RIVER 24016	49.02 1.48 0.00	46.92 2.05 0.00	49.20 2.08 0.00	48.13 1.40 0.00	43.46 1.20 0.00	44.82 1.27 0.00	58.20 1.83 0.00	40.43 1.26 0.00	41.47 1.28 0.00	50.90 1.43 0.00	95.85 2.76 0.00	94.39 2.56 0.00	83.67 2.48 0.00	79.06 2.34 0.00	89.44 2.61 0.00	89.58 2.51 0.00	80.84 2.37 0.00	102.14 3.11 0.00	77.61 2.14 0.00	75.83 2.06 0.00	67.23 1.78 0.00	72.10 1.76 0.00	76.95 1.65 0.00	86.37 1.69 0.00
HDSNBRDG_115KV_BRDG_TB1 355580	46.46 -1.08 0.00	43.77 -1.10 0.00	45.95 -1.16 0.00	45.56 -1.16 0.00	41.26 -1.00 0.00	42.55 -0.99 0.00	55.23 -1.14 0.00	38.47 -0.70 0.00	39.51 -0.68 0.00	48.56 -0.91 0.00	91.23 -1.85 0.00	90.01 -1.83 0.00	79.58 -1.61 0.00	75.22 -1.50 0.00	85.18 -1.66 0.00	85.33 -1.75 0.00	76.93 -1.54 0.00	97.17 -1.87 0.00	73.73 -1.73 0.00	71.94 -1.83 0.00	63.77 -1.69 0.00	68.44 -1.90 0.00	73.20 -2.09 0.00	82.32 -2.36 0.00
HELLGATE_13_KV_LD 55870	49.39 1.85 0.00	46.31 1.44 0.00	48.36 1.24 0.00	48.02 1.29 0.00	43.53 1.27 0.00	45.03 1.48 0.00	58.75 2.38 0.00	41.37 2.21 0.00	42.54 2.35 0.00	52.39 2.91 0.00	98.76 5.67 0.00	97.67 5.84 0.00	86.24 5.06 0.00	81.69 4.97 0.00	92.71 5.87 0.00	92.89 5.82 0.00	83.82 5.35 0.00	105.64 6.60 0.00	80.93 5.47 0.00	78.84 5.07 0.00	69.73 4.28 0.00	74.61 4.27 0.00	79.68 4.39 0.00	88.94 4.25 0.00
HELLGT_W_13_KV_BRUCKNER_REV_LBMP_J 345018	49.39 1.85 0.00	46.31 1.44 0.00	48.36 1.24 0.00	48.02 1.29 0.00	43.53 1.27 0.00	45.03 1.48 0.00	58.75 2.38 0.00	41.37 2.21 0.00	42.54 2.35 0.00	52.39 2.91 0.00	98.76 5.67 0.00	97.67 5.84 0.00	86.24 5.06 0.00	81.69 4.97 0.00	92.71 5.87 0.00	92.89 5.82 0.00	83.82 5.35 0.00	105.64 6.60 0.00	80.93 5.47 0.00	78.84 5.07 0.00	69.73 4.28 0.00	74.61 4.27 0.00	79.68 4.39 0.00	88.94 4.25 0.00
HEMPSTEAD____ 23647	49.79 2.25 0.00	46.66 1.79 0.00	48.73 1.61 0.00	48.35 1.62 0.00	43.83 1.57 0.00	45.41 1.87 0.00	59.07 2.71 0.00	41.69 2.52 0.00	42.72 2.53 0.00	52.87 3.39 0.00	99.62 6.52 0.00	100.86 6.71 -2.31	86.86 5.67 0.00	81.99 5.27 0.00	93.01 6.17 0.00	93.23 6.16 0.00	85.32 5.76 -1.08	106.81 7.30 -0.48	89.87 6.02 -8.39	82.86 5.60 -3.49	70.27 4.82 0.00	75.12 4.78 0.00	80.30 5.00 0.00	90.31 5.15 -0.48
HEWLETT_69_KV_BK3 55828	50.22 2.68 0.00	46.98 2.11 0.00	49.06 1.94 0.00	48.67 1.95 0.00	44.08 1.81 0.00	45.71 2.16 0.00	59.52 3.15 0.00	42.06 2.89 0.00	43.07 2.88 0.00	53.32 3.84 0.00	100.57 7.48 0.00	100.40 7.74 -0.83	87.75 6.56 0.00	82.77 6.05 0.00	93.90 7.06 0.00	94.22 7.15 0.00	86.31 6.67 -1.17	107.79 8.23 -0.51	91.17 6.78 -8.93	83.96 6.40 -3.78	71.06 5.61 0.00	75.98 5.65 0.00	81.20 5.90 0.00	91.17 5.97 -0.52
HICKLING___1 23621	46.50 -1.04 0.00	43.66 -1.21 0.00	45.70 -1.42 0.00	45.34 -1.39 0.00	41.27 -0.99 0.00	42.44 -1.11 0.00	55.11 -1.26 0.00	38.37 -0.81 0.00	39.39 -0.80 0.00	48.39 -1.09 0.00	90.79 -2.30 0.00	89.81 -2.02 0.00	79.50 -1.68 0.00	75.12 -1.60 0.00	85.22 -1.61 0.00	85.00 -2.07 0.00	76.35 -2.12 0.00	96.40 -2.64 0.00	72.96 -2.51 0.00	70.99 -2.78 0.00	62.81 -2.64 0.00	67.44 -2.90 0.00	72.14 -3.16 0.00	81.13 -3.56 0.00
HICKLING___2 23622	46.50 -1.04 0.00	43.66 -1.21 0.00	45.70 -1.42 0.00	45.34 -1.39 0.00	41.27 -0.99 0.00	42.44 -1.11 0.00	55.11 -1.26 0.00	38.37 -0.81 0.00	39.39 -0.80 0.00	48.39 -1.09 0.00	90.79 -2.30 0.00	89.81 -2.02 0.00	79.50 -1.68 0.00	75.12 -1.60 0.00	85.22 -1.61 0.00	85.00 -2.07 0.00	76.35 -2.12 0.00	96.40 -2.64 0.00	72.96 -2.51 0.00	70.99 -2.78 0.00	62.81 -2.64 0.00	67.44 -2.90 0.00	72.14 -3.16 0.00	81.13 -3.56 0.00
HIGH FALLS___HY 23754	50.24 2.70 0.00	47.10 2.23 0.00	49.19 2.07 0.00	48.84 2.11 0.00	44.32 2.05 0.00	45.90 2.35 0.00	59.95 3.58 0.00	42.30 3.13 0.00	43.49 3.30 0.00	53.60 4.12 0.00	100.78 7.69 0.00	99.69 7.86 0.00	88.05 6.87 0.00	83.42 6.69 0.00	94.67 7.83 0.00	94.89 7.81 0.00	85.69 7.22 0.00	108.28 9.25 0.00	82.80 7.33 0.00	80.67 6.89 0.00	71.37 5.92 0.00	76.31 5.97 0.00	81.37 6.07 0.00	90.70 6.01 0.00
HIGH_RIVER___SOLAR 323847	49.26 1.73 0.00	46.47 1.60 0.00	48.77 1.65 0.00	48.37 1.64 0.00	43.73 1.46 0.00	45.14 1.59 0.00	58.62 2.25 0.00	40.88 1.71 0.00	41.96 1.77 0.00	51.57 2.10 0.00	96.76 3.67 0.00	95.51 3.68 0.00	84.47 3.29 0.00	80.12 3.40 0.00	90.74 3.90 0.00	90.98 3.91 0.00	82.08 3.61 0.00	103.74 4.71 0.00	79.01 3.55 0.00	77.18 3.41 0.00	68.39 2.94 0.00	73.36 3.02 0.00	78.45 3.15 0.00	88.04 3.36 0.00

HILLBURN___GT 23639	49.07 1.53 0.00	46.07 1.20 0.00	48.16 1.04 0.00	47.83 1.09 0.00	43.39 1.12 0.00	44.83 1.28 0.00	58.35 1.98 0.00	41.06 1.89 0.00	42.17 1.98 0.00	51.94 2.47 0.00	97.68 4.59 0.00	96.55 4.72 0.00	85.29 4.10 0.00	80.78 4.06 0.00	91.64 4.80 0.00	91.83 4.76 0.00	82.90 4.43 0.00	104.64 5.61 0.00	80.09 4.62 0.00	78.05 4.28 0.00	69.09 3.64 0.00	73.96 3.62 0.00	79.01 3.71 0.00	88.29 3.60 0.00
HILLSIDE_115KV_TB1 80332	45.90 -1.64 0.00	43.13 -1.74 0.00	45.18 -1.94 0.00	44.84 -1.89 0.00	40.79 -1.47 0.00	41.95 -1.59 0.00	54.51 -1.86 0.00	38.00 -1.16 0.00	38.99 -1.20 0.00	47.92 -1.56 0.00	89.97 -3.12 0.00	88.99 -2.84 0.00	78.70 -2.49 0.00	74.38 -2.35 0.00	84.42 -2.41 0.00	84.22 -2.86 0.00	75.67 -2.80 0.00	95.52 -3.51 0.00	72.37 -3.09 0.00	70.50 -3.27 0.00	62.39 -3.06 0.00	66.98 -3.36 0.00	71.59 -3.71 0.00	80.44 -4.24 0.00
HISHELDN_WT_PWR 323625	45.40 -2.14 0.00	42.49 -2.38 0.00	44.64 -2.48 0.00	44.20 -2.53 0.00	40.19 -2.07 0.00	41.19 -2.36 0.00	52.99 -3.38 0.00	36.48 -2.69 0.00	37.53 -2.66 0.00	45.92 -3.55 0.00	85.54 -7.55 0.00	84.49 -7.35 0.00	74.90 -6.28 0.00	70.62 -6.10 0.00	79.88 -6.96 0.00	79.71 -7.37 0.00	71.27 -7.20 0.00	90.28 -8.75 0.00	67.59 -7.87 0.00	65.58 -8.19 0.00	58.42 -7.03 0.00	63.19 -7.15 0.00	68.28 -7.02 0.00	77.71 -6.97 0.00
HOLTSVILLE_IC_1 23690	50.38 2.85 0.00	47.12 2.25 0.00	49.18 2.06 0.00	48.78 2.05 0.00	44.16 1.90 0.00	45.86 2.32 0.00	59.73 3.36 0.00	42.30 3.13 0.00	43.18 2.99 0.00	53.60 4.13 0.00	100.92 7.82 -0.01	103.83 8.18 -3.82	88.32 7.13 -0.01	83.26 6.54 0.00	94.21 7.37 0.00	94.55 7.48 0.00	86.24 7.04 -0.73	108.11 8.75 -0.32	88.64 7.33 -5.84	82.92 6.82 -2.33	71.40 5.94 0.00	76.34 6.00 0.00	81.78 6.48 0.00	91.54 6.54 -0.32
HOLTSVILLE_IC_10 23699	50.65 3.11 0.00	47.34 2.47 0.00	49.41 2.29 0.00	48.99 2.26 0.00	44.36 2.09 0.00	46.09 2.55 0.00	60.05 3.68 0.00	42.55 3.38 0.00	43.44 3.25 0.00	53.91 4.44 0.00	101.49 8.39 -0.01	104.39 8.76 -3.79	88.88 7.68 -0.01	83.79 7.08 0.00	94.80 7.96 0.00	95.21 8.14 0.00	86.87 7.66 -0.73	108.94 9.58 -0.32	89.29 7.94 -5.88	83.53 7.41 -2.35	71.90 6.44 0.00	76.85 6.52 0.00	82.30 7.00 0.00	92.03 7.03 -0.32
HOLTSVILLE_IC_2 23691	50.38 2.85 0.00	47.12 2.25 0.00	49.18 2.06 0.00	48.78 2.05 0.00	44.16 1.90 0.00	45.86 2.32 0.00	59.73 3.36 0.00	42.30 3.13 0.00	43.18 2.99 0.00	53.60 4.13 0.00	100.92 7.82 -0.01	103.83 8.18 -3.82	88.32 7.13 -0.01	83.26 6.54 0.00	94.21 7.37 0.00	94.55 7.48 0.00	86.24 7.04 -0.73	108.11 8.75 -0.32	88.64 7.33 -5.84	82.92 6.82 -2.33	71.40 5.94 0.00	76.34 6.00 0.00	81.78 6.48 0.00	91.54 6.54 -0.32
HOLTSVILLE_IC_3 23692	50.38 2.85 0.00	47.12 2.25 0.00	49.18 2.06 0.00	48.78 2.05 0.00	44.16 1.90 0.00	45.86 2.32 0.00	59.73 3.36 0.00	42.30 3.13 0.00	43.18 2.99 0.00	53.60 4.13 0.00	100.92 7.82 -0.01	103.83 8.18 -3.82	88.32 7.13 -0.01	83.26 6.54 0.00	94.21 7.37 0.00	94.55 7.48 0.00	86.24 7.04 -0.73	108.11 8.75 -0.32	88.64 7.33 -5.84	82.92 6.82 -2.33	71.40 5.94 0.00	76.34 6.00 0.00	81.78 6.48 0.00	91.54 6.54 -0.32
HOLTSVILLE_IC_4 23693	50.38 2.85 0.00	47.12 2.25 0.00	49.18 2.06 0.00	48.78 2.05 0.00	44.16 1.90 0.00	45.86 2.32 0.00	59.73 3.36 0.00	42.30 3.13 0.00	43.18 2.99 0.00	53.60 4.13 0.00	100.92 7.82 -0.01	103.83 8.18 -3.82	88.32 7.13 -0.01	83.26 6.54 0.00	94.21 7.37 0.00	94.55 7.48 0.00	86.24 7.04 -0.73	108.11 8.75 -0.32	88.64 7.33 -5.84	82.92 6.82 -2.33	71.40 5.94 0.00	76.34 6.00 0.00	81.78 6.48 0.00	91.54 6.54 -0.32
HOLTSVILLE_IC_5 23694	50.38 2.85 0.00	47.12 2.25 0.00	49.18 2.06 0.00	48.78 2.05 0.00	44.16 1.90 0.00	45.86 2.32 0.00	59.73 3.36 0.00	42.30 3.13 0.00	43.18 2.99 0.00	53.60 4.13 0.00	100.92 7.82 -0.01	103.83 8.18 -3.82	88.32 7.13 -0.01	83.26 6.54 0.00	94.21 7.37 0.00	94.55 7.48 0.00	86.24 7.04 -0.73	108.11 8.75 -0.32	88.64 7.33 -5.84	82.92 6.82 -2.33	71.40 5.94 0.00	76.34 6.00 0.00	81.78 6.48 0.00	91.54 6.54 -0.32
HOLTSVILLE_IC_6 23695	50.65 3.11 0.00	47.34 2.47 0.00	49.41 2.29 0.00	48.99 2.26 0.00	44.36 2.09 0.00	46.09 2.55 0.00	60.05 3.68 0.00	42.55 3.38 0.00	43.44 3.25 0.00	53.91 4.44 0.00	101.49 8.39 -0.01	104.39 8.76 -3.79	88.88 7.68 -0.01	83.79 7.08 0.00	94.80 7.96 0.00	95.21 8.14 0.00	86.87 7.66 -0.73	108.94 9.58 -0.32	89.29 7.94 -5.88	83.53 7.41 -2.35	71.90 6.44 0.00	76.85 6.52 0.00	82.30 7.00 0.00	92.03 7.03 -0.32
HOLTSVILLE_IC_7 23696	50.65 3.11 0.00	47.34 2.47 0.00	49.41 2.29 0.00	48.99 2.26 0.00	44.36 2.09 0.00	46.09 2.55 0.00	60.05 3.68 0.00	42.55 3.38 0.00	43.44 3.25 0.00	53.91 4.44 0.00	101.49 8.39 -0.01	104.39 8.76 -3.79	88.88 7.68 -0.01	83.79 7.08 0.00	94.80 7.96 0.00	95.21 8.14 0.00	86.87 7.66 -0.73	108.94 9.58 -0.32	89.29 7.94 -5.88	83.53 7.41 -2.35	71.90 6.44 0.00	76.85 6.52 0.00	82.30 7.00 0.00	92.03 7.03 -0.32
HOLTSVILLE_IC_8 23697	50.65 3.11 0.00	47.34 2.47 0.00	49.41 2.29 0.00	48.99 2.26 0.00	44.36 2.09 0.00	46.09 2.55 0.00	60.05 3.68 0.00	42.55 3.38 0.00	43.44 3.25 0.00	53.91 4.44 0.00	101.49 8.39 -0.01	104.39 8.76 -3.79	88.88 7.68 -0.01	83.79 7.08 0.00	94.80 7.96 0.00	95.21 8.14 0.00	86.87 7.66 -0.73	108.94 9.58 -0.32	89.29 7.94 -5.88	83.53 7.41 -2.35	71.90 6.44 0.00	76.85 6.52 0.00	82.30 7.00 0.00	92.03 7.03 -0.32
HOLTSVILLE_IC_9 23698	50.65 3.11 0.00	47.34 2.47 0.00	49.41 2.29 0.00	48.99 2.26 0.00	44.36 2.09 0.00	46.09 2.55 0.00	60.05 3.68 0.00	42.55 3.38 0.00	43.44 3.25 0.00	53.91 4.44 0.00	101.49 8.39 -0.01	104.39 8.76 -3.79	88.88 7.68 -0.01	83.79 7.08 0.00	94.80 7.96 0.00	95.21 8.14 0.00	86.87 7.66 -0.73	108.94 9.58 -0.32	89.29 7.94 -5.88	83.53 7.41 -2.35	71.90 6.44 0.00	76.85 6.52 0.00	82.30 7.00 0.00	92.03 7.03 -0.32
HOMER_HL_115KV_TB2 355744	45.77 -1.76 0.00	42.90 -1.96 0.00	45.16 -1.97 0.00	44.80 -1.93 0.00	40.87 -1.40 0.00	41.98 -1.56 0.00	54.02 -2.35 0.00	37.14 -2.03 0.00	38.01 -2.18 0.00	46.52 -2.96 0.00	87.16 -5.93 0.00	86.16 -5.68 0.00	76.63 -4.56 0.00	72.21 -4.51 0.00	82.08 -4.76 0.00	81.43 -5.65 0.00	72.39 -6.08 0.00	92.14 -6.89 0.00	69.59 -5.87 0.00	67.61 -6.16 0.00	60.15 -5.30 0.00	65.11 -5.23 0.00	70.65 -4.65 0.00	79.49 -5.19 0.00
HOWARD_WT_PWR 323690	46.72 -0.82 0.00	43.68 -1.19 0.00	45.52 -1.60 0.00	45.05 -1.68 0.00	41.04 -1.23 0.00	42.15 -1.39 0.00	54.67 -1.70 0.00	37.90 -1.27 0.00	38.99 -1.20 0.00	47.89 -1.58 0.00	89.99 -3.10 0.00	89.16 -2.67 0.00	79.16 -2.03 0.00	74.88 -1.85 0.00	84.83 -2.00 0.00	84.68 -2.40 0.00	76.01 -2.46 0.00	96.12 -2.91 0.00	72.29 -3.17 0.00	69.88 -3.89 0.00	61.66 -3.79 0.00	66.21 -4.13 0.00	71.00 -4.29 0.00	79.93 -4.75 0.00

HQ_GEN_CEDARS 23644	50.38 2.84 0.00	52.52 7.65 0.00	55.02 7.90 0.00	49.51 2.78 0.00	44.13 1.86 0.00	44.75 1.21 0.00	56.88 0.50 0.00	38.90 -0.27 0.00	39.84 -0.35 0.00	48.70 -0.78 0.00	91.59 -1.50 0.00	90.17 -1.66 0.00	81.66 0.47 0.00	76.85 0.13 0.00	86.81 -0.03 0.00	87.24 0.17 0.00	78.65 0.18 0.00	99.19 0.16 0.00	75.58 0.11 0.00	73.99 0.22 0.00	65.76 0.31 0.00	71.14 0.80 0.00	76.38 1.08 0.00	86.14 1.45 0.00
HQ_GEN_CEDARS_PROXY 323590	50.38 2.84 0.00	52.52 7.64 0.00	55.02 7.90 0.00	49.51 2.78 0.00	44.13 1.86 0.00	44.75 1.21 0.00	56.88 0.51 0.00	38.90 -0.27 0.00	39.84 -0.35 0.00	48.70 -0.77 0.00	91.60 -1.49 0.00	90.17 -1.66 0.00	81.66 0.47 0.00	76.85 0.13 0.00	86.81 -0.03 0.00	87.24 0.17 0.00	78.65 0.18 0.00	99.21 0.18 0.00	75.58 0.11 0.00	73.99 0.22 0.00	65.77 0.31 0.00	71.15 0.81 0.00	76.38 1.08 0.00	86.13 1.45 0.00
HQ_GEN_IMPORT 323601	47.95 0.41 0.00	45.36 0.49 0.00	47.69 0.57 0.00	47.27 0.54 0.00	42.77 0.50 0.00	43.97 0.42 0.00	56.68 0.31 0.00	39.08 -0.09 0.00	40.08 -0.11 0.00	49.35 -0.13 0.00	92.94 -0.15 0.00	91.67 -0.16 0.00	81.10 -0.09 0.00	76.42 -0.30 0.00	86.35 -0.49 0.00	86.75 -0.33 0.00	78.17 -0.30 0.00	98.53 -0.50 0.00	75.08 -0.38 0.00	73.55 -0.22 0.00	65.40 -0.05 0.00	70.55 0.21 0.00	75.62 0.32 0.00	85.26 0.58 0.00
HQ_GEN_WHEEL 23651	47.95 0.41 0.00	45.36 0.49 0.00	47.69 0.57 0.00	47.27 0.54 0.00	42.77 0.50 0.00	43.97 0.42 0.00	56.68 0.31 0.00	39.08 -0.09 0.00	40.08 -0.11 0.00	49.35 -0.13 0.00	92.94 -0.15 0.00	91.67 -0.16 0.00	81.10 -0.09 0.00	76.42 -0.30 0.00	86.35 -0.49 0.00	86.75 -0.33 0.00	78.17 -0.30 0.00	98.53 -0.50 0.00	75.08 -0.38 0.00	73.55 -0.22 0.00	65.40 -0.05 0.00	70.55 0.21 0.00	75.62 0.32 0.00	85.26 0.58 0.00
HUDSON AVE_GT_3 23810	49.46 1.92 0.00	46.38 1.51 0.00	48.44 1.32 0.00	48.10 1.37 0.00	43.62 1.35 0.00	45.12 1.58 0.00	58.85 2.48 0.00	41.47 2.30 0.00	42.64 2.45 0.00	52.55 3.08 0.00	98.96 5.87 0.00	97.88 6.05 0.00	86.44 5.26 0.00	81.84 5.12 0.00	92.85 6.01 0.00	93.07 5.99 0.00	84.01 5.54 0.00	105.92 6.88 0.00	81.08 5.62 0.00	78.98 5.21 0.00	69.87 4.42 0.00	74.77 4.43 0.00	79.89 4.60 0.00	89.17 4.49 0.00
HUDSON AVE_GT_4 23540	49.46 1.92 0.00	46.38 1.51 0.00	48.44 1.32 0.00	48.10 1.37 0.00	43.62 1.35 0.00	45.12 1.58 0.00	58.85 2.48 0.00	41.47 2.30 0.00	42.64 2.45 0.00	52.55 3.08 0.00	98.96 5.87 0.00	97.88 6.05 0.00	86.44 5.26 0.00	81.84 5.12 0.00	92.85 6.01 0.00	93.07 5.99 0.00	84.01 5.54 0.00	105.92 6.88 0.00	81.08 5.62 0.00	78.98 5.21 0.00	69.87 4.42 0.00	74.77 4.43 0.00	79.89 4.60 0.00	89.17 4.49 0.00
HUDSON AVE_GT_5 23657	49.46 1.92 0.00	46.38 1.51 0.00	48.44 1.32 0.00	48.10 1.37 0.00	43.62 1.35 0.00	45.12 1.58 0.00	58.85 2.48 0.00	41.47 2.30 0.00	42.64 2.45 0.00	52.55 3.08 0.00	98.96 5.87 0.00	97.88 6.05 0.00	86.44 5.26 0.00	81.84 5.12 0.00	92.85 6.01 0.00	93.07 5.99 0.00	84.01 5.54 0.00	105.92 6.88 0.00	81.08 5.62 0.00	78.98 5.21 0.00	69.87 4.42 0.00	74.77 4.43 0.00	79.89 4.60 0.00	89.17 4.49 0.00
HUDSON_AVE_10 24168	49.23 1.70 0.00	46.17 1.30 0.00	48.21 1.09 0.00	47.89 1.16 0.00	43.43 1.17 0.00	44.92 1.37 0.00	58.60 2.24 0.00	41.31 2.14 0.00	42.46 2.27 0.00	52.31 2.84 0.00	98.55 5.46 0.00	97.48 5.65 0.00	86.09 4.90 0.00	81.50 4.78 0.00	92.47 5.64 0.00	92.70 5.63 0.00	83.68 5.20 0.00	105.46 6.43 0.00	80.75 5.29 0.00	78.67 4.90 0.00	69.59 4.14 0.00	74.47 4.13 0.00	79.52 4.22 0.00	88.73 4.05 0.00
HUDSON___115KV_TB 4 355613	49.71 2.17 0.00	46.86 1.99 0.00	49.17 2.06 0.00	48.79 2.07 0.00	44.13 1.86 0.00	45.60 2.05 0.00	59.25 2.88 0.00	41.45 2.29 0.00	42.49 2.30 0.00	52.37 2.90 0.00	98.74 5.65 0.00	97.40 5.56 0.00	86.03 4.85 0.00	81.46 4.74 0.00	92.49 5.66 0.00	92.78 5.71 0.00	83.85 5.38 0.00	105.94 6.91 0.00	80.72 5.25 0.00	78.76 4.99 0.00	69.69 4.24 0.00	74.65 4.30 0.00	79.72 4.42 0.00	89.49 4.81 0.00
HUNTER MOUNT___DRP 323613	50.11 2.58 0.00	47.26 2.39 0.00	49.60 2.48 0.00	49.21 2.49 0.00	44.51 2.25 0.00	46.01 2.47 0.00	59.85 3.47 0.00	41.90 2.72 0.00	42.95 2.76 0.00	52.93 3.45 0.00	99.79 6.70 0.00	98.43 6.60 0.00	86.94 5.76 0.00	82.36 5.64 0.00	93.48 6.64 0.00	93.74 6.67 0.00	84.76 6.29 0.00	107.10 8.07 0.00	81.58 6.11 0.00	79.59 5.82 0.00	70.40 4.94 0.00	75.37 5.03 0.00	80.47 5.17 0.00	90.31 5.63 0.00
HUNTINGTON_RES_REC 323705	50.25 2.72 0.00	47.00 2.13 0.00	49.05 1.93 0.00	48.66 1.93 0.00	44.07 1.81 0.00	45.76 2.21 0.00	59.59 3.22 0.00	42.19 3.02 0.00	43.06 2.87 0.00	53.48 4.00 0.00	101.01 7.91 -0.01	103.89 8.27 -3.79	88.28 7.09 -0.01	83.22 6.50 0.00	94.16 7.33 0.00	94.39 7.31 0.00	85.96 6.75 -0.74	107.76 8.41 -0.32	88.40 7.04 -5.90	82.69 6.56 -2.36	71.19 5.73 0.00	76.11 5.77 0.00	81.47 6.17 0.00	91.12 6.12 -0.32
HUNTLEY___63 23557	45.18 -2.36 0.00	42.31 -2.56 0.00	44.57 -2.55 0.00	44.13 -2.60 0.00	40.10 -2.16 0.00	41.05 -2.49 0.00	52.64 -3.73 0.00	36.06 -3.11 0.00	37.17 -3.02 0.00	45.32 -4.15 0.00	84.03 -9.06 0.00	82.93 -8.91 0.00	73.36 -7.83 0.00	69.04 -7.68 0.00	78.01 -8.83 0.00	77.74 -9.33 0.00	69.43 -9.04 0.00	88.10 -10.93 0.00	66.05 -9.42 0.00	64.07 -9.70 0.00	57.21 -8.24 0.00	62.00 -8.34 0.00	67.27 -8.03 0.00	76.89 -7.79 0.00
HUNTLEY___64 23558	45.18 -2.36 0.00	42.31 -2.56 0.00	44.57 -2.55 0.00	44.13 -2.60 0.00	40.10 -2.16 0.00	41.05 -2.49 0.00	52.64 -3.73 0.00	36.06 -3.11 0.00	37.17 -3.02 0.00	45.32 -4.15 0.00	84.03 -9.06 0.00	82.93 -8.91 0.00	73.36 -7.83 0.00	69.04 -7.68 0.00	78.01 -8.83 0.00	77.74 -9.33 0.00	69.43 -9.04 0.00	88.10 -10.93 0.00	66.05 -9.42 0.00	64.07 -9.70 0.00	57.21 -8.24 0.00	62.00 -8.34 0.00	67.27 -8.03 0.00	76.89 -7.79 0.00
HUNTLEY___65 23559	45.18 -2.36 0.00	42.31 -2.56 0.00	44.57 -2.55 0.00	44.13 -2.60 0.00	40.10 -2.16 0.00	41.05 -2.49 0.00	52.64 -3.73 0.00	36.06 -3.11 0.00	37.17 -3.02 0.00	45.32 -4.15 0.00	84.03 -9.06 0.00	82.93 -8.91 0.00	73.36 -7.83 0.00	69.04 -7.68 0.00	78.01 -8.83 0.00	77.74 -9.33 0.00	69.43 -9.04 0.00	88.10 -10.93 0.00	66.05 -9.42 0.00	64.07 -9.70 0.00	57.21 -8.24 0.00	62.00 -8.34 0.00	67.27 -8.03 0.00	76.89 -7.79 0.00
HUNTLEY___66 23560	45.18 -2.36 0.00	42.31 -2.56 0.00	44.57 -2.55 0.00	44.13 -2.60 0.00	40.10 -2.16 0.00	41.05 -2.49 0.00	52.64 -3.73 0.00	36.06 -3.11 0.00	37.17 -3.02 0.00	45.32 -4.15 0.00	84.03 -9.06 0.00	82.93 -8.91 0.00	73.36 -7.83 0.00	69.04 -7.68 0.00	78.01 -8.83 0.00	77.74 -9.33 0.00	69.43 -9.04 0.00	88.10 -10.93 0.00	66.05 -9.42 0.00	64.07 -9.70 0.00	57.21 -8.24 0.00	62.00 -8.34 0.00	67.27 -8.03 0.00	76.89 -7.79 0.00



HUNTLEY___67 23561	44.77 -2.77 0.00	41.91 -2.95 0.00	44.19 -2.93 0.00	43.77 -2.96 0.00	39.79 -2.47 0.00	40.74 -2.80 0.00	52.26 -4.12 0.00	35.83 -3.34 0.00	36.88 -3.31 0.00	45.02 -4.46 0.00	83.51 -9.58 0.00	82.42 -9.42 0.00	72.95 -8.24 0.00	68.69 -8.04 0.00	77.64 -9.19 0.00	77.49 -9.58 0.00	69.23 -9.24 0.00	87.84 -11.19 0.00	65.83 -9.63 0.00	63.89 -9.88 0.00	57.01 -8.44 0.00	61.79 -8.55 0.00	67.06 -8.24 0.00	76.63 -8.06 0.00
HUNTLEY___68 23562	44.77 -2.77 0.00	41.91 -2.95 0.00	44.19 -2.93 0.00	43.77 -2.96 0.00	39.79 -2.47 0.00	40.74 -2.80 0.00	52.26 -4.12 0.00	35.83 -3.34 0.00	36.88 -3.31 0.00	45.02 -4.46 0.00	83.51 -9.58 0.00	82.42 -9.42 0.00	72.95 -8.24 0.00	68.69 -8.04 0.00	77.64 -9.19 0.00	77.49 -9.58 0.00	69.23 -9.24 0.00	87.84 -11.19 0.00	65.83 -9.63 0.00	63.89 -9.88 0.00	57.01 -8.44 0.00	61.79 -8.55 0.00	67.06 -8.24 0.00	76.63 -8.06 0.00
HYLAND___LFGE 323620	47.01 -0.53 0.00	43.99 -0.88 0.00	46.08 -1.04 0.00	45.67 -1.06 0.00	41.60 -0.66 0.00	42.88 -0.67 0.00	55.71 -0.66 0.00	38.62 -0.54 0.00	39.75 -0.44 0.00	48.56 -0.92 0.00	90.54 -2.55 0.00	89.20 -2.63 0.00	79.04 -2.15 0.00	74.65 -2.08 0.00	84.45 -2.38 0.00	84.49 -2.58 0.00	76.09 -2.38 0.00	96.50 -2.54 0.00	72.75 -2.71 0.00	70.58 -3.20 0.00	62.59 -2.86 0.00	67.23 -3.11 0.00	72.21 -3.08 0.00	81.50 -3.18 0.00
INDECK___CORINTH 23802	49.47 1.93 0.00	46.58 1.71 0.00	48.88 1.76 0.00	48.54 1.81 0.00	43.93 1.66 0.00	45.19 1.64 0.00	58.87 2.50 0.00	41.13 1.96 0.00	42.11 1.92 0.00	51.89 2.42 0.00	96.88 3.79 0.00	95.47 3.64 0.00	84.07 2.88 0.00	79.50 2.77 0.00	90.34 3.50 0.00	90.56 3.49 0.00	81.87 3.40 0.00	103.50 4.46 0.00	78.94 3.48 0.00	77.08 3.31 0.00	68.13 2.68 0.00	72.83 2.50 0.00	77.71 2.42 0.00	87.14 2.46 0.00
INDECK___ILION 23567	47.81 0.28 0.00	45.06 0.19 0.00	47.26 0.14 0.00	46.84 0.10 0.00	42.38 0.12 0.00	43.77 0.22 0.00	56.87 0.49 0.00	39.78 0.61 0.00	40.79 0.60 0.00	50.28 0.81 0.00	94.66 1.57 0.00	93.43 1.59 0.00	82.63 1.45 0.00	78.24 1.52 0.00	88.71 1.88 0.00	88.87 1.79 0.00	80.17 1.70 0.00	101.28 2.25 0.00	77.25 1.79 0.00	75.46 1.69 0.00	66.78 1.33 0.00	71.48 1.14 0.00	76.40 1.10 0.00	85.60 0.92 0.00
INDECK___OLEAN 23982	45.77 -1.77 0.00	42.90 -1.96 0.00	45.15 -1.97 0.00	44.80 -1.93 0.00	40.87 -1.40 0.00	41.98 -1.56 0.00	54.02 -2.35 0.00	37.14 -2.03 0.00	38.01 -2.19 0.00	46.50 -2.98 0.00	87.15 -5.94 0.00	86.17 -5.67 0.00	76.63 -4.56 0.00	72.22 -4.50 0.00	82.07 -4.77 0.00	81.43 -5.65 0.00	72.39 -6.09 0.00	92.13 -6.90 0.00	69.59 -5.87 0.00	67.61 -6.16 0.00	60.17 -5.28 0.00	65.10 -5.24 0.00	70.66 -4.64 0.00	79.50 -5.18 0.00
INDECK___OSWEGO 23783	45.80 -1.74 0.00	43.23 -1.64 0.00	45.38 -1.74 0.00	44.95 -1.78 0.00	40.68 -1.58 0.00	41.96 -1.59 0.00	54.35 -2.02 0.00	37.66 -1.51 0.00	38.55 -1.64 0.00	47.36 -2.12 0.00	88.97 -4.12 0.00	87.75 -4.08 0.00	77.58 -3.61 0.00	73.36 -3.36 0.00	83.04 -3.80 0.00	83.23 -3.84 0.00	74.97 -3.50 0.00	94.81 -4.22 0.00	72.23 -3.23 0.00	70.47 -3.30 0.00	62.52 -2.93 0.00	67.16 -3.18 0.00	72.22 -3.08 0.00	81.43 -3.26 0.00
INDECK___YERKES 23781	45.23 -2.31 0.00	42.35 -2.52 0.00	44.61 -2.51 0.00	44.17 -2.56 0.00	40.13 -2.13 0.00	41.09 -2.45 0.00	52.69 -3.68 0.00	36.10 -3.07 0.00	37.20 -2.99 0.00	45.35 -4.13 0.00	84.11 -8.98 0.00	83.02 -8.81 0.00	73.42 -7.76 0.00	69.11 -7.61 0.00	78.09 -8.75 0.00	77.81 -9.26 0.00	69.50 -8.97 0.00	88.19 -10.84 0.00	66.10 -9.36 0.00	64.13 -9.64 0.00	57.27 -8.18 0.00	62.04 -8.30 0.00	67.33 -7.97 0.00	76.96 -7.72 0.00
INDIAN POINT_GT_1 24139	49.13 1.59 0.00	46.11 1.24 0.00	48.20 1.08 0.00	47.85 1.12 0.00	43.39 1.13 0.00	44.86 1.32 0.00	58.41 2.04 0.00	41.11 1.94 0.00	42.23 2.04 0.00	52.02 2.54 0.00	97.93 4.85 0.00	96.85 5.01 0.00	85.54 4.35 0.00	80.99 4.27 0.00	91.89 5.06 0.00	92.09 5.01 0.00	83.13 4.67 0.00	104.90 5.87 0.00	80.29 4.82 0.00	78.27 4.49 0.00	69.28 3.83 0.00	74.15 3.81 0.00	79.18 3.89 0.00	88.51 3.82 0.00
INDIAN POINT_GT_2 23659	49.13 1.59 0.00	46.11 1.24 0.00	48.20 1.08 0.00	47.85 1.12 0.00	43.39 1.13 0.00	44.86 1.32 0.00	58.41 2.04 0.00	41.11 1.94 0.00	42.23 2.04 0.00	52.02 2.54 0.00	97.93 4.85 0.00	96.85 5.01 0.00	85.54 4.35 0.00	80.99 4.27 0.00	91.89 5.06 0.00	92.09 5.01 0.00	83.13 4.67 0.00	104.90 5.87 0.00	80.29 4.82 0.00	78.27 4.49 0.00	69.28 3.83 0.00	74.15 3.81 0.00	79.18 3.89 0.00	88.51 3.82 0.00
INDIAN POINT_GT_3 24019	49.13 1.59 0.00	46.11 1.24 0.00	48.20 1.08 0.00	47.85 1.12 0.00	43.39 1.13 0.00	44.86 1.32 0.00	58.41 2.04 0.00	41.11 1.94 0.00	42.23 2.04 0.00	52.02 2.54 0.00	97.93 4.85 0.00	96.85 5.01 0.00	85.54 4.35 0.00	80.99 4.27 0.00	91.89 5.06 0.00	92.09 5.01 0.00	83.13 4.67 0.00	104.90 5.87 0.00	80.29 4.82 0.00	78.27 4.49 0.00	69.28 3.83 0.00	74.15 3.81 0.00	79.18 3.89 0.00	88.51 3.82 0.00
INDIAN POINT___2 23530	49.05 1.51 0.00	46.04 1.17 0.00	48.13 1.01 0.00	47.79 1.06 0.00	43.34 1.07 0.00	44.79 1.24 0.00	58.30 1.93 0.00	41.04 1.86 0.00	42.15 1.96 0.00	51.92 2.44 0.00	97.71 4.62 0.00	96.60 4.77 0.00	85.32 4.14 0.00	80.79 4.06 0.00	91.66 4.82 0.00	91.85 4.77 0.00	82.93 4.45 0.00	104.65 5.62 0.00	80.10 4.63 0.00	78.06 4.29 0.00	69.10 3.65 0.00	73.97 3.63 0.00	79.02 3.72 0.00	88.30 3.62 0.00
INDIAN POINT___3 23531	49.06 1.53 0.00	46.05 1.18 0.00	48.14 1.02 0.00	47.80 1.07 0.00	43.35 1.08 0.00	44.81 1.26 0.00	58.33 1.96 0.00	41.04 1.87 0.00	42.16 1.97 0.00	51.96 2.48 0.00	97.75 4.67 0.00	96.66 4.83 0.00	85.38 4.19 0.00	80.85 4.13 0.00	91.72 4.89 0.00	91.93 4.85 0.00	82.97 4.50 0.00	104.70 5.67 0.00	80.13 4.67 0.00	78.12 4.35 0.00	69.16 3.71 0.00	74.03 3.69 0.00	79.08 3.79 0.00	88.36 3.68 0.00
INGHAM_C_115KV_TB7 356103	47.83 0.30 0.00	45.02 0.16 0.00	47.13 0.02 0.00	46.68 -0.04 0.00	42.27 0.00 0.00	43.76 0.21 0.00	57.04 0.67 0.00	40.15 0.98 0.00	41.13 0.94 0.00	50.76 1.28 0.00	95.63 2.54 0.00	94.45 2.62 0.00	83.58 2.39 0.00	79.24 2.52 0.00	90.06 3.23 0.00	90.19 3.11 0.00	81.45 2.98 0.00	103.01 3.98 0.00	78.70 3.23 0.00	76.82 3.05 0.00	67.79 2.34 0.00	72.29 1.95 0.00	77.22 1.92 0.00	86.17 1.49 0.00
IP CORINTH___1 23988	49.73 2.19 0.00	46.82 1.95 0.00	49.12 2.00 0.00	48.78 2.05 0.00	44.15 1.88 0.00	45.43 1.88 0.00	59.17 2.80 0.00	41.36 2.19 0.00	42.33 2.14 0.00	52.16 2.68 0.00	97.39 4.30 0.00	95.97 4.14 0.00	84.51 3.33 0.00	79.92 3.20 0.00	90.80 3.96 0.00	91.04 3.96 0.00	82.29 3.82 0.00	104.02 4.99 0.00	79.34 3.88 0.00	77.46 3.69 0.00	68.47 3.02 0.00	73.22 2.87 0.00	78.11 2.81 0.00	87.60 2.92 0.00

IP___TICONDEROGA 23804	51.83 4.30 0.00	48.70 3.83 0.00	51.09 3.97 0.00	50.60 3.87 0.00	45.90 3.64 0.00	47.88 4.33 0.00	62.10 5.73 0.00	43.48 4.31 0.00	44.36 4.17 0.00	54.71 5.23 0.00	101.59 8.50 0.00	99.93 8.09 0.00	87.85 6.66 0.00	82.89 6.16 0.00	94.76 7.93 0.00	95.05 7.97 0.00	85.99 7.52 0.00	108.40 9.37 0.00	82.77 7.30 0.00	80.83 7.06 0.00	71.39 5.93 0.00	76.07 5.73 0.00	81.09 5.79 0.00	91.00 6.32 0.00
ISLIP_RES_REC 323679	50.84 3.30 0.00	47.51 2.64 0.00	49.58 2.46 0.00	49.14 2.41 0.00	44.50 2.24 0.00	46.25 2.71 0.00	60.29 3.92 0.00	42.74 3.57 0.00	43.64 3.45 0.00	54.20 4.72 0.00	101.99 8.90 -0.01	104.90 9.29 -3.78	89.32 8.13 -0.01	84.22 7.50 0.00	95.21 8.37 0.00	95.65 8.58 0.00	87.32 8.11 -0.74	109.49 10.13 -0.32	89.74 8.37 -5.91	83.92 7.79 -2.36	72.24 6.79 0.00	77.21 6.87 0.00	82.63 7.34 0.00	92.38 7.38 -0.32
JAMAICA___27_KV_LOAD 355505	49.43 1.89 0.00	46.35 1.48 0.00	48.36 1.24 0.00	48.09 1.37 0.00	43.61 1.35 0.00	45.12 1.57 0.00	58.93 2.56 0.00	41.53 2.36 0.00	42.66 2.47 0.00	52.52 3.04 0.00	99.03 5.94 0.00	98.00 6.17 0.00	86.60 5.41 0.00	81.92 5.20 0.00	92.96 6.12 0.00	93.23 6.15 0.00	84.17 5.70 0.00	106.01 6.98 0.00	81.23 5.77 0.00	79.12 5.35 0.00	69.95 4.50 0.00	74.79 4.45 0.00	79.75 4.46 0.00	88.96 4.28 0.00
JANIS___SOLAR 323808	49.57 2.03 0.00	46.60 1.73 0.00	48.91 1.79 0.00	48.50 1.77 0.00	43.95 1.69 0.00	45.45 1.90 0.00	59.70 3.32 0.00	46.97 7.80 0.00	48.14 7.95 0.00	58.01 8.53 0.00	98.16 5.07 0.00	97.02 5.19 0.00	85.85 4.67 0.00	81.12 4.40 0.00	91.84 5.00 0.00	92.06 4.99 0.00	83.22 4.75 0.00	105.30 6.27 0.00	79.74 4.28 0.00	77.75 3.98 0.00	68.83 3.38 0.00	73.57 3.23 0.00	78.41 3.12 0.00	87.64 2.96 0.00
JARVIS____ 23743	47.63 0.10 0.00	44.94 0.07 0.00	47.17 0.05 0.00	46.78 0.05 0.00	42.30 0.03 0.00	43.59 0.04 0.00	56.49 0.12 0.00	39.36 0.19 0.00	40.39 0.20 0.00	49.77 0.29 0.00	93.64 0.55 0.00	92.39 0.55 0.00	81.67 0.48 0.00	77.23 0.51 0.00	87.44 0.60 0.00	87.57 0.50 0.00	78.92 0.44 0.00	99.60 0.57 0.00	75.92 0.45 0.00	74.20 0.42 0.00	65.78 0.32 0.00	70.62 0.28 0.00	75.51 0.21 0.00	84.85 0.17 0.00
JENNISON___1 23625	49.68 2.14 0.00	46.67 1.81 0.00	48.98 1.87 0.00	48.52 1.79 0.00	43.85 1.58 0.00	45.24 1.69 0.00	58.99 2.62 0.00	42.37 3.20 0.00	43.51 3.32 0.00	53.25 3.77 0.00	98.09 5.00 0.00	97.04 5.21 0.00	86.19 5.01 0.00	81.51 4.79 0.00	92.36 5.53 0.00	92.50 5.43 0.00	83.51 5.04 0.00	105.56 6.52 0.00	80.16 4.69 0.00	78.24 4.47 0.00	69.14 3.69 0.00	73.90 3.56 0.00	78.75 3.46 0.00	87.70 3.02 0.00
JENNISON___2 23626	49.68 2.14 0.00	46.67 1.81 0.00	48.98 1.87 0.00	48.52 1.79 0.00	43.85 1.58 0.00	45.24 1.69 0.00	58.99 2.62 0.00	42.37 3.20 0.00	43.51 3.32 0.00	53.25 3.77 0.00	98.09 5.00 0.00	97.04 5.21 0.00	86.19 5.01 0.00	81.51 4.79 0.00	92.36 5.53 0.00	92.50 5.43 0.00	83.51 5.04 0.00	105.56 6.52 0.00	80.16 4.69 0.00	78.24 4.47 0.00	69.14 3.69 0.00	73.90 3.56 0.00	78.75 3.46 0.00	87.70 3.02 0.00
JERICHO_RISE_WT_PWR 323719	48.66 1.13 0.00	46.26 1.40 0.00	48.69 1.57 0.00	48.02 1.29 0.00	43.42 1.16 0.00	44.52 0.97 0.00	57.29 0.92 0.00	39.55 0.38 0.00	40.53 0.34 0.00	49.87 0.39 0.00	93.85 0.76 0.00	92.57 0.73 0.00	82.16 0.98 0.00	77.28 0.56 0.00	87.51 0.67 0.00	87.64 0.56 0.00	79.13 0.66 0.00	99.63 0.60 0.00	76.05 0.58 0.00	74.52 0.75 0.00	66.18 0.73 0.00	71.48 1.14 0.00	76.66 1.37 0.00	86.42 1.74 0.00
KATONAH___115KV_46KV_TB4 355592	49.56 2.03 0.00	46.52 1.65 0.00	48.61 1.49 0.00	48.26 1.53 0.00	43.77 1.51 0.00	45.28 1.73 0.00	59.02 2.65 0.00	41.54 2.37 0.00	42.69 2.50 0.00	52.61 3.13 0.00	99.10 6.01 0.00	98.02 6.18 0.00	86.53 5.34 0.00	81.95 5.23 0.00	92.98 6.14 0.00	93.23 6.15 0.00	84.17 5.70 0.00	106.26 7.22 0.00	81.31 5.85 0.00	79.28 5.51 0.00	70.12 4.67 0.00	75.04 4.70 0.00	80.13 4.83 0.00	89.48 4.79 0.00
KCE_NY_1 323755	50.10 2.56 0.00	47.22 2.35 0.00	49.53 2.41 0.00	49.15 2.43 0.00	44.49 2.23 0.00	45.93 2.38 0.00	59.74 3.36 0.00	41.77 2.60 0.00	42.80 2.61 0.00	52.71 3.23 0.00	99.77 6.68 0.00	98.33 6.49 0.00	86.29 5.11 0.00	80.97 4.25 0.00	91.73 4.89 0.00	91.98 4.90 0.00	83.07 4.60 0.00	105.04 6.01 0.00	80.04 4.57 0.00	78.15 4.39 0.00	69.12 3.67 0.00	74.01 3.67 0.00	79.11 3.81 0.00	88.72 4.04 0.00
KCE_NY_6_ESR 323823	45.53 -2.01 0.00	42.62 -2.25 0.00	44.88 -2.24 0.00	44.47 -2.26 0.00	40.42 -1.85 0.00	41.44 -2.11 0.00	53.22 -3.15 0.00	36.56 -2.61 0.00	37.62 -2.57 0.00	45.95 -3.53 0.00	85.36 -7.73 0.00	84.28 -7.55 0.00	74.70 -6.49 0.00	70.27 -6.45 0.00	79.54 -7.30 0.00	79.24 -7.83 0.00	70.78 -7.69 0.00	89.76 -9.27 0.00	67.29 -8.17 0.00	65.28 -8.49 0.00	58.27 -7.18 0.00	63.10 -7.25 0.00	68.38 -6.92 0.00	77.98 -6.70 0.00
KEDC_PORT_JEFF_GT2 24210	50.61 3.07 0.00	47.30 2.43 0.00	49.36 2.24 0.00	48.95 2.21 0.00	44.32 2.06 0.00	46.04 2.50 0.00	59.99 3.62 0.00	42.50 3.33 0.00	43.40 3.21 0.00	53.88 4.40 0.00	101.45 8.35 -0.01	104.37 8.73 -3.80	88.81 7.62 -0.01	83.76 7.04 0.00	94.72 7.88 0.00	95.10 8.02 0.00	86.75 7.55 -0.73	108.82 9.46 -0.32	89.19 7.85 -5.87	83.41 7.29 -2.35	71.82 6.37 0.00	76.77 6.43 0.00	82.18 6.88 0.00	91.93 6.93 -0.32
KEDC_PORT_JEFF_GT3 24211	50.61 3.07 0.00	47.30 2.43 0.00	49.36 2.24 0.00	48.95 2.21 0.00	44.32 2.06 0.00	46.04 2.50 0.00	59.99 3.62 0.00	42.50 3.33 0.00	43.40 3.21 0.00	53.88 4.40 0.00	101.45 8.35 -0.01	104.37 8.73 -3.80	88.81 7.62 -0.01	83.76 7.04 0.00	94.72 7.88 0.00	95.10 8.02 0.00	86.75 7.55 -0.73	108.82 9.46 -0.32	89.19 7.85 -5.87	83.41 7.29 -2.35	71.82 6.37 0.00	76.77 6.43 0.00	82.18 6.88 0.00	91.93 6.93 -0.32
KEDC_GLWD_GT4 24219	49.84 2.30 0.00	46.72 1.86 0.00	48.81 1.69 0.00	48.43 1.70 0.00	43.91 1.65 0.00	45.47 1.93 0.00	59.21 2.83 0.00	41.51 2.34 0.00	42.58 2.39 0.00	52.64 3.17 0.00	99.20 6.11 0.00	100.06 6.32 -1.91	86.60 5.41 0.00	81.84 5.11 0.00	92.84 6.00 0.00	93.04 5.97 0.00	85.31 5.58 -1.26	106.61 7.02 -0.55	90.84 5.72 -9.65	83.18 5.36 -4.05	70.00 4.54 0.00	74.84 4.50 0.00	80.05 4.75 0.00	90.51 5.27 -0.56
KEDC_GLWD_GT5 24220	49.84 2.30 0.00	46.72 1.86 0.00	48.81 1.69 0.00	48.43 1.70 0.00	43.91 1.65 0.00	45.47 1.93 0.00	59.21 2.83 0.00	41.51 2.34 0.00	42.58 2.39 0.00	52.64 3.17 0.00	99.20 6.11 0.00	100.06 6.32 -1.91	86.60 5.41 0.00	81.84 5.11 0.00	92.84 6.00 0.00	93.04 5.97 0.00	85.31 5.58 -1.26	106.61 7.02 -0.55	90.84 5.72 -9.65	83.18 5.36 -4.05	70.00 4.54 0.00	74.84 4.50 0.00	80.05 4.75 0.00	90.51 5.27 -0.56

KENSICO____ 23655	49.27 1.74 0.00	46.25 1.38 0.00	48.32 1.20 0.00	47.98 1.25 0.00	43.51 1.25 0.00	44.99 1.44 0.00	58.59 2.21 0.00	41.25 2.08 0.00	42.37 2.18 0.00	52.21 2.74 0.00	98.32 5.24 0.00	97.28 5.44 0.00	85.89 4.70 0.00	81.32 4.60 0.00	92.27 5.43 0.00	92.46 5.39 0.00	83.47 5.00 0.00	105.32 6.28 0.00	80.60 5.13 0.00	78.57 4.80 0.00	69.55 4.09 0.00	74.44 4.09 0.00	79.50 4.20 0.00	88.82 4.14 0.00
KERHONKS_69_KV_TR1_REV_LBMP_G 345021	50.09 2.56 0.00	46.99 2.13 0.00	49.10 1.98 0.00	48.75 2.02 0.00	44.22 1.96 0.00	45.78 2.23 0.00	59.79 3.42 0.00	42.17 3.00 0.00	43.36 3.17 0.00	53.40 3.93 0.00	100.38 7.29 0.00	99.25 7.42 0.00	87.68 6.49 0.00	83.06 6.34 0.00	94.25 7.42 0.00	94.48 7.40 0.00	85.32 6.85 0.00	107.80 8.77 0.00	82.41 6.95 0.00	80.31 6.54 0.00	71.05 5.60 0.00	75.99 5.65 0.00	81.05 5.75 0.00	90.41 5.73 0.00
KIAC_JFK_GT1 23816	49.26 1.73 0.00	46.19 1.32 0.00	48.21 1.09 0.00	47.94 1.21 0.00	43.47 1.21 0.00	44.97 1.42 0.00	58.71 2.34 0.00	41.39 2.22 0.00	42.50 2.31 0.00	52.34 2.86 0.00	98.66 5.57 0.00	97.64 5.80 0.00	86.28 5.10 0.00	81.62 4.90 0.00	92.62 5.78 0.00	92.89 5.81 0.00	83.84 5.36 0.00	105.48 6.45 0.00	80.93 5.46 0.00	78.82 5.05 0.00	69.66 4.21 0.00	74.40 4.07 0.00	79.33 4.03 0.00	88.44 3.76 0.00
KIAC_JFK_GT2 23817	49.26 1.73 0.00	46.19 1.32 0.00	48.21 1.09 0.00	47.94 1.21 0.00	43.47 1.21 0.00	44.97 1.42 0.00	58.71 2.34 0.00	41.39 2.22 0.00	42.50 2.31 0.00	52.34 2.86 0.00	98.66 5.57 0.00	97.64 5.80 0.00	86.28 5.10 0.00	81.62 4.90 0.00	92.62 5.78 0.00	92.89 5.81 0.00	83.84 5.36 0.00	105.48 6.45 0.00	80.93 5.46 0.00	78.82 5.05 0.00	69.66 4.21 0.00	74.40 4.07 0.00	79.33 4.03 0.00	88.44 3.76 0.00
KIAC_JFK____ 323774	49.26 1.73 0.00	46.18 1.32 0.00	48.21 1.09 0.00	47.94 1.21 0.00	43.48 1.21 0.00	44.97 1.42 0.00	58.71 2.34 0.00	41.38 2.22 0.00	42.50 2.31 0.00	52.33 2.85 0.00	98.66 5.57 0.00	97.64 5.81 0.00	86.29 5.10 0.00	81.62 4.90 0.00	92.62 5.78 0.00	92.89 5.82 0.00	83.83 5.36 0.00	105.48 6.45 0.00	80.93 5.46 0.00	78.82 5.05 0.00	69.66 4.21 0.00	74.40 4.06 0.00	79.32 4.03 0.00	88.44 3.76 0.00
KINTIGH____ 23543	44.62 -2.92 0.00	41.84 -3.03 0.00	44.11 -3.01 0.00	43.69 -3.04 0.00	39.71 -2.55 0.00	40.72 -2.83 0.00	52.33 -4.04 0.00	35.97 -3.20 0.00	37.00 -3.20 0.00	45.19 -4.28 0.00	84.07 -9.02 0.00	82.92 -8.91 0.00	73.37 -7.82 0.00	69.13 -7.59 0.00	78.20 -8.64 0.00	78.11 -8.96 0.00	69.88 -8.59 0.00	88.63 -10.41 0.00	66.64 -8.82 0.00	64.77 -9.00 0.00	57.71 -7.74 0.00	62.43 -7.91 0.00	67.62 -7.67 0.00	76.95 -7.73 0.00
KNTFSRNC_46_KV_46KV_LOAD 80397	49.21 1.67 0.00	46.63 1.76 0.00	49.11 1.99 0.00	48.51 1.78 0.00	43.90 1.64 0.00	45.08 1.53 0.00	58.08 1.71 0.00	40.29 1.12 0.00	41.25 1.06 0.00	50.76 1.28 0.00	95.43 2.34 0.00	94.10 2.27 0.00	83.77 2.59 0.00	78.65 1.93 0.00	89.24 2.40 0.00	89.08 2.01 0.00	80.63 2.16 0.00	101.42 2.39 0.00	77.49 2.03 0.00	75.99 2.22 0.00	67.35 1.90 0.00	72.70 2.36 0.00	77.94 2.64 0.00	87.75 3.07 0.00
LACHUTE__HYDRO 323717	51.83 4.30 0.00	48.70 3.83 0.00	51.09 3.97 0.00	50.60 3.87 0.00	45.90 3.64 0.00	47.88 4.34 0.00	62.10 5.73 0.00	43.48 4.31 0.00	44.36 4.17 0.00	54.70 5.23 0.00	101.59 8.50 0.00	99.93 8.09 0.00	87.84 6.66 0.00	82.89 6.16 0.00	94.77 7.93 0.00	95.05 7.97 0.00	85.99 7.52 0.00	108.40 9.37 0.00	82.77 7.31 0.00	80.83 7.06 0.00	71.39 5.93 0.00	76.07 5.73 0.00	81.09 5.79 0.00	91.00 6.32 0.00
LAWRNCV_115KV_TB1 80681	50.34 2.80 0.00	51.71 6.84 0.00	54.20 7.08 0.00	49.51 2.78 0.00	44.13 1.86 0.00	44.75 1.21 0.00	56.88 0.50 0.00	38.90 -0.27 0.00	39.84 -0.35 0.00	48.70 -0.78 0.00	91.59 -1.50 0.00	89.80 -2.04 0.00	80.80 -0.38 0.00	76.04 -0.68 0.00	85.88 -0.95 0.00	86.23 -0.84 0.00	77.81 -0.66 0.00	98.17 -0.86 0.00	74.80 -0.67 0.00	73.22 -0.55 0.00	65.08 -0.37 0.00	70.60 0.26 0.00	75.89 0.59 0.00	85.54 0.86 0.00
LEDERLE____ 23769	49.15 1.61 0.00	46.14 1.27 0.00	48.22 1.10 0.00	47.89 1.16 0.00	43.45 1.18 0.00	44.90 1.36 0.00	58.44 2.07 0.00	41.13 1.96 0.00	42.24 2.05 0.00	52.03 2.55 0.00	97.87 4.78 0.00	96.74 4.91 0.00	85.45 4.27 0.00	80.94 4.21 0.00	91.81 4.98 0.00	92.01 4.93 0.00	83.06 4.59 0.00	104.83 5.80 0.00	80.22 4.75 0.00	78.19 4.42 0.00	69.23 3.77 0.00	74.10 3.76 0.00	79.12 3.82 0.00	88.41 3.73 0.00
LIGHTHSE_115KV_TB6 355974	46.65 -0.89 0.00	44.25 -0.62 0.00	46.43 -0.69 0.00	45.74 -0.99 0.00	41.40 -0.87 0.00	42.72 -0.83 0.00	55.47 -0.90 0.00	38.58 -0.59 0.00	39.54 -0.65 0.00	48.51 -0.97 0.00	91.25 -1.84 0.00	89.84 -2.00 0.00	79.48 -1.70 0.00	75.17 -1.55 0.00	85.08 -1.76 0.00	85.25 -1.82 0.00	76.93 -1.54 0.00	97.31 -1.72 0.00	73.95 -1.51 0.00	72.16 -1.61 0.00	63.98 -1.48 0.00	68.61 -1.73 0.00	73.39 -1.91 0.00	82.45 -2.23 0.00
LINDEN COGEN____ 23786	49.08 1.55 0.00	46.02 1.15 0.00	48.06 0.95 0.00	47.74 1.01 0.00	43.30 1.03 0.00	44.77 1.22 0.00	58.36 1.99 0.00	41.16 1.99 0.00	42.31 2.12 0.00	52.12 2.65 0.00	98.15 5.06 0.00	97.01 5.18 0.00	85.67 4.49 0.00	81.14 4.42 0.00	92.07 5.23 0.00	92.28 5.21 0.00	83.29 4.82 0.00	105.04 6.01 0.00	80.43 4.96 0.00	78.34 4.57 0.00	69.30 3.85 0.00	74.19 3.85 0.00	79.23 3.93 0.00	88.45 3.77 0.00
LINDHRST_69_KV_BK1 356055	50.62 3.09 0.00	47.36 2.50 0.00	49.42 2.30 0.00	49.02 2.29 0.00	44.40 2.14 0.00	46.10 2.55 0.00	60.02 3.65 0.00	42.47 3.30 0.00	43.47 3.28 0.00	53.86 4.39 0.00	101.51 8.41 -0.01	103.86 8.65 -3.38	88.55 7.35 -0.01	83.43 6.71 0.00	94.50 7.66 0.00	94.81 7.73 0.00	86.57 7.28 -0.82	108.59 9.20 -0.36	89.53 7.59 -6.47	83.54 7.15 -2.62	71.70 6.25 0.00	76.65 6.31 0.00	81.94 6.64 0.00	91.76 6.71 -0.36
LIPA_MISC_IPP 23656	50.64 3.11 0.00	47.33 2.46 0.00	49.40 2.28 0.00	48.94 2.21 0.00	44.30 2.03 0.00	46.02 2.48 0.00	59.95 3.58 0.00	42.47 3.30 0.00	43.33 3.15 0.00	53.80 4.32 0.00	101.02 7.93 -0.01	103.93 8.28 -3.81	88.63 7.43 -0.01	83.57 6.85 0.00	94.49 7.65 0.00	94.88 7.80 0.00	86.63 7.43 -0.73	108.68 9.33 -0.32	89.08 7.77 -5.85	83.31 7.20 -2.34	71.72 6.26 0.00	76.64 6.30 0.00	82.05 6.75 0.00	91.77 6.77 -0.32
LISF__SOLAR 323691	50.72 3.18 0.00	47.40 2.53 0.00	49.46 2.34 0.00	49.03 2.30 0.00	44.36 2.09 0.00	46.10 2.56 0.00	60.06 3.69 0.00	42.55 3.38 0.00	43.41 3.23 0.00	53.89 4.42 0.00	101.20 8.10 -0.01	104.11 8.46 -3.81	88.79 7.59 -0.01	83.73 7.01 0.00	94.66 7.82 0.00	95.09 8.01 0.00	86.82 7.62 -0.73	108.93 9.57 -0.32	89.26 7.94 -5.86	83.50 7.39 -2.34	71.88 6.43 0.00	76.81 6.47 0.00	82.23 6.93 0.00	91.95 6.94 -0.32

LITTLE FALLS___HYD 24013	47.83 0.30 0.00	45.02 0.16 0.00	47.13 0.02 0.00	46.68 -0.04 0.00	42.27 0.00 0.00	43.76 0.21 0.00	57.04 0.67 0.00	40.15 0.98 0.00	41.13 0.94 0.00	50.76 1.28 0.00	95.63 2.54 0.00	94.45 2.62 0.00	83.58 2.39 0.00	79.24 2.52 0.00	90.06 3.23 0.00	90.19 3.11 0.00	81.45 2.98 0.00	103.01 3.98 0.00	78.70 3.23 0.00	76.82 3.05 0.00	67.79 2.34 0.00	72.29 1.95 0.00	77.22 1.92 0.00	86.17 1.49 0.00
LITTLRIV_115KV_TB1 356100	51.29 3.75 0.00	52.34 7.47 0.00	54.87 7.75 0.00	50.53 3.80 0.00	45.06 2.80 0.00	45.72 2.17 0.00	58.16 1.79 0.00	39.78 0.61 0.00	40.70 0.51 0.00	49.77 0.29 0.00	93.51 0.42 0.00	91.42 -0.42 0.00	81.82 0.63 0.00	76.96 0.24 0.00	86.90 0.07 0.00	87.34 0.27 0.00	78.86 0.39 0.00	99.51 0.48 0.00	75.83 0.37 0.00	74.21 0.44 0.00	65.95 0.50 0.00	71.54 1.20 0.00	76.89 1.59 0.00	86.64 1.96 0.00
LI_NEWBRDGE___DRP 323616	49.76 2.22 0.00	46.57 1.71 0.00	48.64 1.52 0.00	48.26 1.53 0.00	43.72 1.45 0.00	45.33 1.79 0.00	59.00 2.63 0.00	41.70 2.53 0.00	42.66 2.46 0.00	52.85 3.38 0.00	99.64 6.54 -0.01	102.67 6.78 -4.05	86.96 5.76 -0.01	82.06 5.34 0.00	93.03 6.19 0.00	93.27 6.19 0.00	84.92 5.77 -0.68	106.53 7.19 -0.30	86.98 6.02 -5.50	81.52 5.58 -2.18	70.32 4.87 0.00	75.19 4.85 0.00	80.41 5.12 0.00	90.11 5.13 -0.30
LOCKPORT_115KV_TB60_63_64 80432	45.02 -2.51 0.00	42.14 -2.73 0.00	44.44 -2.68 0.00	44.01 -2.73 0.00	39.96 -2.30 0.00	40.85 -2.70 0.00	52.28 -4.09 0.00	35.74 -3.43 0.00	36.83 -3.36 0.00	44.90 -4.58 0.00	83.23 -9.86 0.00	82.10 -9.73 0.00	72.65 -8.54 0.00	68.37 -8.35 0.00	77.11 -9.72 0.00	76.67 -10.41 0.00	68.47 -10.01 0.00	86.86 -12.17 0.00	65.10 -10.36 0.00	63.22 -10.55 0.00	56.43 -9.03 0.00	61.18 -9.16 0.00	66.39 -8.90 0.00	76.03 -8.65 0.00
LOCKPORT___CC1 323769	44.94 -2.60 0.00	42.06 -2.81 0.00	44.35 -2.76 0.00	43.91 -2.81 0.00	39.88 -2.39 0.00	40.72 -2.83 0.00	52.08 -4.29 0.00	35.58 -3.59 0.00	36.66 -3.53 0.00	44.69 -4.79 0.00	82.84 -10.25 0.00	81.73 -10.10 0.00	72.31 -8.87 0.00	68.07 -8.65 0.00	76.77 -10.06 0.00	76.42 -10.65 0.00	68.23 -10.24 0.00	86.55 -12.48 0.00	64.86 -10.60 0.00	62.96 -10.81 0.00	56.24 -9.22 0.00	60.96 -9.38 0.00	66.16 -9.13 0.00	75.75 -8.93 0.00
LOCKPORT___CC2 323770	44.94 -2.60 0.00	42.06 -2.81 0.00	44.35 -2.76 0.00	43.91 -2.81 0.00	39.88 -2.39 0.00	40.72 -2.83 0.00	52.08 -4.29 0.00	35.58 -3.59 0.00	36.66 -3.53 0.00	44.69 -4.79 0.00	82.84 -10.25 0.00	81.73 -10.10 0.00	72.31 -8.87 0.00	68.07 -8.65 0.00	76.77 -10.06 0.00	76.42 -10.65 0.00	68.23 -10.24 0.00	86.55 -12.48 0.00	64.86 -10.60 0.00	62.96 -10.81 0.00	56.24 -9.22 0.00	60.96 -9.38 0.00	66.16 -9.13 0.00	75.75 -8.93 0.00
LOCKPORT___CC3 323771	44.94 -2.60 0.00	42.06 -2.81 0.00	44.35 -2.76 0.00	43.91 -2.81 0.00	39.88 -2.39 0.00	40.72 -2.83 0.00	52.08 -4.29 0.00	35.58 -3.59 0.00	36.66 -3.53 0.00	44.69 -4.79 0.00	82.84 -10.25 0.00	81.73 -10.10 0.00	72.31 -8.87 0.00	68.07 -8.65 0.00	76.77 -10.06 0.00	76.42 -10.65 0.00	68.23 -10.24 0.00	86.55 -12.48 0.00	64.86 -10.60 0.00	62.96 -10.81 0.00	56.24 -9.22 0.00	60.96 -9.38 0.00	66.16 -9.13 0.00	75.75 -8.93 0.00
LONG_LAKE_PHOENIX 24014	45.94 -1.59 0.00	43.31 -1.56 0.00	45.46 -1.66 0.00	45.09 -1.64 0.00	40.80 -1.46 0.00	42.11 -1.44 0.00	54.59 -1.79 0.00	38.00 -1.17 0.00	38.99 -1.20 0.00	47.93 -1.55 0.00	90.09 -3.00 0.00	88.86 -2.97 0.00	78.55 -2.63 0.00	74.27 -2.46 0.00	84.06 -2.77 0.00	84.20 -2.88 0.00	75.86 -2.61 0.00	95.93 -3.11 0.00	72.99 -2.47 0.00	71.22 -2.56 0.00	63.17 -2.28 0.00	67.79 -2.55 0.00	72.57 -2.72 0.00	81.65 -3.03 0.00
LOVETT___3 23632	48.84 1.31 0.00	45.86 0.99 0.00	47.93 0.82 0.00	47.60 0.87 0.00	43.18 0.92 0.00	44.63 1.08 0.00	58.06 1.69 0.00	40.85 1.68 0.00	41.95 1.76 0.00	51.68 2.20 0.00	97.21 4.12 0.00	96.10 4.26 0.00	84.89 3.70 0.00	80.39 3.67 0.00	91.20 4.36 0.00	91.39 4.32 0.00	82.51 4.04 0.00	104.13 5.09 0.00	79.69 4.22 0.00	77.68 3.90 0.00	68.77 3.32 0.00	73.61 3.27 0.00	78.65 3.35 0.00	87.89 3.21 0.00
LOVETT___4 23642	48.84 1.31 0.00	45.86 0.99 0.00	47.93 0.82 0.00	47.60 0.87 0.00	43.18 0.92 0.00	44.63 1.08 0.00	58.06 1.69 0.00	40.85 1.68 0.00	41.95 1.76 0.00	51.68 2.20 0.00	97.21 4.12 0.00	96.10 4.26 0.00	84.89 3.70 0.00	80.39 3.67 0.00	91.20 4.36 0.00	91.39 4.32 0.00	82.51 4.04 0.00	104.13 5.09 0.00	79.69 4.22 0.00	77.68 3.90 0.00	68.77 3.32 0.00	73.61 3.27 0.00	78.65 3.35 0.00	87.89 3.21 0.00
LOVETT___5 23593	48.84 1.31 0.00	45.86 0.99 0.00	47.93 0.82 0.00	47.60 0.87 0.00	43.18 0.92 0.00	44.63 1.08 0.00	58.06 1.69 0.00	40.85 1.68 0.00	41.95 1.76 0.00	51.68 2.20 0.00	97.21 4.12 0.00	96.10 4.26 0.00	84.89 3.70 0.00	80.39 3.67 0.00	91.20 4.36 0.00	91.39 4.32 0.00	82.51 4.04 0.00	104.13 5.09 0.00	79.69 4.22 0.00	77.68 3.90 0.00	68.77 3.32 0.00	73.61 3.27 0.00	78.65 3.35 0.00	87.89 3.21 0.00
LOWER RAQUET___HYD 24057	50.32 2.79 0.00	51.46 6.59 0.00	53.93 6.81 0.00	49.51 2.78 0.00	44.13 1.86 0.00	44.75 1.21 0.00	56.88 0.51 0.00	38.90 -0.27 0.00	39.84 -0.35 0.00	48.70 -0.77 0.00	91.60 -1.49 0.00	89.67 -2.16 0.00	80.53 -0.65 0.00	75.78 -0.94 0.00	85.58 -1.26 0.00	85.92 -1.16 0.00	77.55 -0.92 0.00	97.84 -1.19 0.00	74.55 -0.91 0.00	72.96 -0.80 0.00	64.85 -0.60 0.00	70.42 0.07 0.00	75.72 0.42 0.00	85.36 0.69 0.00
LOWER___HUDSON 24059	49.27 1.74 0.00	46.46 1.59 0.00	48.74 1.62 0.00	48.36 1.63 0.00	43.75 1.49 0.00	45.14 1.60 0.00	58.67 2.29 0.00	41.04 1.87 0.00	42.07 1.88 0.00	51.84 2.36 0.00	97.66 4.57 0.00	96.29 4.45 0.00	84.87 3.68 0.00	80.25 3.53 0.00	91.01 4.18 0.00	91.20 4.13 0.00	82.33 3.85 0.00	104.00 4.97 0.00	79.30 3.84 0.00	77.44 3.67 0.00	68.54 3.09 0.00	73.40 3.06 0.00	78.48 3.18 0.00	88.10 3.42 0.00
LOWVILLE_115KV_TB2 356335	49.17 1.63 0.00	47.43 2.56 0.00	49.72 2.60 0.00	48.27 1.54 0.00	43.54 1.28 0.00	44.85 1.30 0.00	58.18 1.82 0.00	40.33 1.16 0.00	41.33 1.14 0.00	50.66 1.18 0.00	95.48 2.39 0.00	93.96 2.13 0.00	83.33 2.15 0.00	78.73 2.01 0.00	89.05 2.22 0.00	89.16 2.08 0.00	80.56 2.09 0.00	101.84 2.81 0.00	77.34 1.87 0.00	75.56 1.79 0.00	66.99 1.53 0.00	71.87 1.53 0.00	76.66 1.36 0.00	86.10 1.42 0.00
LUTHERFT_115KV_GLOB_FND_222 355753	50.06 2.52 0.00	47.18 2.31 0.00	49.50 2.38 0.00	49.13 2.40 0.00	44.46 2.20 0.00	45.89 2.34 0.00	59.69 3.32 0.00	41.73 2.56 0.00	42.77 2.58 0.00	52.66 3.19 0.00	99.69 6.60 0.00	98.24 6.40 0.00	86.30 5.12 0.00	81.00 4.28 0.00	91.67 4.84 0.00	91.92 4.85 0.00	83.03 4.55 0.00	104.93 5.90 0.00	79.97 4.51 0.00	78.11 4.33 0.00	69.10 3.65 0.00	73.98 3.64 0.00	79.04 3.74 0.00	88.68 4.00 0.00

LUTHERNY_35_KV_BK2 355980	50.10 2.57 0.00	47.22 2.35 0.00	49.53 2.41 0.00	49.16 2.43 0.00	44.49 2.23 0.00	45.93 2.38 0.00	59.74 3.37 0.00	41.77 2.60 0.00	42.80 2.61 0.00	52.71 3.23 0.00	99.77 6.68 0.00	98.33 6.50 0.00	86.29 5.11 0.00	80.98 4.25 0.00	91.73 4.90 0.00	91.98 4.91 0.00	83.07 4.60 0.00	105.04 6.01 0.00	80.04 4.57 0.00	78.15 4.39 0.00	69.12 3.67 0.00	74.01 3.67 0.00	79.11 3.81 0.00	88.72 4.04 0.00
LWR___OSWEGATCHIE_HYD 23850	49.36 1.82 0.00	49.21 4.34 0.00	51.57 4.45 0.00	48.49 1.76 0.00	43.47 1.21 0.00	44.42 0.87 0.00	56.98 0.61 0.00	39.20 0.04 0.00	40.16 -0.03 0.00	49.12 -0.35 0.00	92.57 -0.52 0.00	90.73 -1.10 0.00	80.99 -0.19 0.00	76.37 -0.35 0.00	86.32 -0.52 0.00	86.54 -0.53 0.00	78.16 -0.31 0.00	98.78 -0.26 0.00	75.13 -0.33 0.00	73.44 -0.33 0.00	65.18 -0.27 0.00	70.39 0.05 0.00	75.40 0.10 0.00	84.83 0.15 0.00
LYONS_FALL_HYD 23570	49.02 1.48 0.00	46.92 2.05 0.00	49.20 2.08 0.00	48.13 1.40 0.00	43.47 1.20 0.00	44.82 1.27 0.00	58.20 1.83 0.00	40.43 1.26 0.00	41.47 1.28 0.00	50.90 1.43 0.00	95.85 2.76 0.00	94.39 2.56 0.00	83.67 2.49 0.00	79.06 2.34 0.00	89.44 2.61 0.00	89.59 2.51 0.00	80.84 2.37 0.00	102.14 3.11 0.00	77.61 2.14 0.00	75.83 2.06 0.00	67.23 1.78 0.00	72.10 1.76 0.00	76.95 1.65 0.00	86.37 1.69 0.00
MADISON___COUNTY_LFGE 323628	48.80 1.26 0.00	46.18 1.31 0.00	48.44 1.32 0.00	47.94 1.21 0.00	43.40 1.13 0.00	44.83 1.28 0.00	58.30 1.93 0.00	40.63 1.47 0.00	41.73 1.54 0.00	51.31 1.84 0.00	96.56 3.47 0.00	95.30 3.47 0.00	84.27 3.09 0.00	79.65 2.93 0.00	90.18 3.34 0.00	90.30 3.23 0.00	81.40 2.93 0.00	102.57 3.54 0.00	77.93 2.47 0.00	76.08 2.31 0.00	67.39 1.94 0.00	72.22 1.88 0.00	77.10 1.80 0.00	86.50 1.82 0.00
MALONE___115KV_TB1 356076	49.72 2.18 0.00	48.20 3.33 0.00	50.74 3.62 0.00	49.15 2.42 0.00	44.29 2.02 0.00	45.31 1.76 0.00	58.24 1.87 0.00	40.19 1.02 0.00	41.15 0.97 0.00	50.51 1.03 0.00	94.96 1.87 0.00	93.53 1.70 0.00	83.29 2.10 0.00	78.30 1.57 0.00	88.63 1.79 0.00	88.83 1.76 0.00	80.22 1.75 0.00	101.14 2.11 0.00	77.18 1.72 0.00	75.53 1.76 0.00	67.03 1.57 0.00	72.48 2.15 0.00	77.70 2.40 0.00	87.51 2.83 0.00
MAPLEWOD_115KV_TB3 80458	48.97 1.43 0.00	46.16 1.29 0.00	48.42 1.30 0.00	48.06 1.34 0.00	43.45 1.19 0.00	44.86 1.32 0.00	58.29 1.92 0.00	40.80 1.63 0.00	41.84 1.65 0.00	51.60 2.13 0.00	97.29 4.20 0.00	95.93 4.10 0.00	84.72 3.54 0.00	80.21 3.49 0.00	91.01 4.18 0.00	91.21 4.14 0.00	82.32 3.85 0.00	103.96 4.92 0.00	79.26 3.79 0.00	77.36 3.59 0.00	68.47 3.02 0.00	73.34 3.00 0.00	78.41 3.12 0.00	88.05 3.37 0.00
MAPLE_RIDGE_WT_1 323574	47.75 0.21 0.00	45.11 0.24 0.00	47.40 0.28 0.00	46.99 0.26 0.00	42.50 0.24 0.00	43.73 0.18 0.00	56.48 0.10 0.00	39.11 -0.06 0.00	40.13 -0.06 0.00	49.41 -0.07 0.00	93.04 -0.05 0.00	91.84 0.01 0.00	81.26 0.08 0.00	76.68 -0.05 0.00	86.75 -0.08 0.00	87.08 0.01 0.00	78.47 0.01 0.00	98.97 -0.06 0.00	75.35 -0.11 0.00	73.71 -0.06 0.00	65.47 0.02 0.00	70.44 0.10 0.00	75.32 0.02 0.00	84.72 0.04 0.00
MAPLE_RIDGE_WT_2 323611	47.75 0.21 0.00	45.11 0.24 0.00	47.40 0.28 0.00	46.99 0.26 0.00	42.50 0.24 0.00	43.73 0.18 0.00	56.48 0.10 0.00	39.11 -0.06 0.00	40.13 -0.06 0.00	49.41 -0.07 0.00	93.04 -0.05 0.00	91.84 0.01 0.00	81.26 0.08 0.00	76.68 -0.05 0.00	86.75 -0.08 0.00	87.08 0.01 0.00	78.47 0.01 0.00	98.97 -0.06 0.00	75.35 -0.11 0.00	73.71 -0.06 0.00	65.47 0.02 0.00	70.44 0.10 0.00	75.32 0.02 0.00	84.72 0.04 0.00
MARBLE_RIVER_WT_PWR 323696	48.53 1.00 0.00	46.03 1.16 0.00	48.46 1.34 0.00	47.86 1.14 0.00	43.30 1.04 0.00	44.45 0.90 0.00	57.24 0.87 0.00	39.59 0.42 0.00	40.56 0.37 0.00	49.93 0.46 0.00	93.91 0.82 0.00	92.63 0.80 0.00	82.20 1.01 0.00	77.33 0.61 0.00	87.61 0.77 0.00	87.64 0.56 0.00	79.19 0.72 0.00	99.67 0.64 0.00	76.07 0.60 0.00	74.57 0.80 0.00	66.20 0.75 0.00	71.47 1.13 0.00	76.64 1.34 0.00	86.38 1.70 0.00
MARSHVLE_115KV_TB1 80742	50.25 2.72 0.00	47.43 2.56 0.00	49.82 2.70 0.00	49.38 2.65 0.00	44.64 2.37 0.00	46.06 2.51 0.00	59.72 3.34 0.00	41.48 2.31 0.00	42.61 2.42 0.00	52.25 2.77 0.00	98.07 4.98 0.00	96.78 4.95 0.00	85.63 4.44 0.00	81.04 4.32 0.00	91.51 4.68 0.00	91.77 4.70 0.00	82.77 4.31 0.00	104.75 5.71 0.00	79.61 4.15 0.00	77.76 3.98 0.00	69.03 3.58 0.00	74.21 3.88 0.00	79.52 4.23 0.00	89.33 4.64 0.00
MARSH_HILL_WT_PWR 323713	46.66 -0.87 0.00	43.62 -1.25 0.00	45.45 -1.67 0.00	44.99 -1.74 0.00	40.98 -1.29 0.00	42.08 -1.47 0.00	54.60 -1.77 0.00	37.86 -1.31 0.00	38.94 -1.25 0.00	47.86 -1.62 0.00	89.90 -3.19 0.00	89.11 -2.73 0.00	79.07 -2.11 0.00	74.80 -1.92 0.00	84.75 -2.09 0.00	84.60 -2.47 0.00	75.96 -2.51 0.00	96.06 -2.97 0.00	72.25 -3.21 0.00	69.85 -3.92 0.00	61.60 -3.85 0.00	66.16 -4.18 0.00	70.92 -4.38 0.00	79.87 -4.81 0.00
MCINTYRE_115KV_TB2 80467	52.11 4.57 0.00	53.09 8.23 0.00	55.65 8.52 0.00	51.34 4.61 0.00	45.81 3.55 0.00	46.52 2.98 0.00	59.33 2.96 0.00	40.62 1.45 0.00	41.54 1.35 0.00	50.79 1.31 0.00	95.33 2.24 0.00	92.98 1.15 0.00	82.89 1.70 0.00	77.93 1.21 0.00	88.01 1.17 0.00	88.55 1.47 0.00	79.94 1.47 0.00	100.89 1.86 0.00	76.89 1.42 0.00	75.24 1.47 0.00	66.86 1.41 0.00	72.44 2.10 0.00	77.81 2.51 0.00	87.69 3.00 0.00
MECO_____69_KV_BK1 80468	50.76 3.22 0.00	47.88 3.01 0.00	50.25 3.13 0.00	49.82 3.09 0.00	45.07 2.80 0.00	46.59 3.05 0.00	60.60 4.23 0.00	42.26 3.09 0.00	43.37 3.18 0.00	53.22 3.75 0.00	99.91 6.82 0.00	98.52 6.69 0.00	87.11 5.92 0.00	82.56 5.84 0.00	93.37 6.54 0.00	93.77 6.69 0.00	84.65 6.18 0.00	107.20 8.16 0.00	81.50 6.04 0.00	79.57 5.80 0.00	70.53 5.08 0.00	75.64 5.30 0.00	80.84 5.54 0.00	90.66 5.98 0.00
MENANDS___115KV_TB5 355628	48.70 1.17 0.00	45.93 1.06 0.00	48.18 1.06 0.00	47.83 1.10 0.00	43.24 0.98 0.00	44.64 1.09 0.00	57.98 1.60 0.00	40.58 1.42 0.00	41.59 1.40 0.00	51.34 1.87 0.00	96.89 3.80 0.00	95.53 3.69 0.00	84.34 3.15 0.00	79.85 3.13 0.00	90.59 3.76 0.00	90.81 3.74 0.00	81.95 3.48 0.00	103.44 4.41 0.00	78.88 3.42 0.00	76.99 3.22 0.00	68.14 2.69 0.00	72.98 2.63 0.00	78.05 2.75 0.00	87.71 3.03 0.00
MG INDUSTRY___DRP 24185	48.77 1.24 0.00	46.03 1.17 0.00	48.34 1.22 0.00	47.97 1.24 0.00	43.33 1.06 0.00	44.71 1.16 0.00	58.03 1.66 0.00	40.53 1.36 0.00	41.52 1.33 0.00	51.17 1.69 0.00	96.42 3.33 0.00	95.05 3.22 0.00	83.96 2.77 0.00	79.51 2.79 0.00	90.17 3.34 0.00	90.41 3.33 0.00	81.60 3.13 0.00	102.97 3.94 0.00	78.50 3.04 0.00	76.70 2.93 0.00	67.92 2.47 0.00	72.82 2.48 0.00	77.89 2.60 0.00	87.58 2.89 0.00

MID___OSWEGATCHIE_HYD 23849	49.36 1.82 0.00	49.21 4.34 0.00	51.57 4.45 0.00	48.49 1.76 0.00	43.47 1.21 0.00	44.42 0.87 0.00	56.98 0.61 0.00	39.20 0.04 0.00	40.16 -0.03 0.00	49.12 -0.35 0.00	92.57 -0.52 0.00	90.73 -1.10 0.00	80.99 -0.19 0.00	76.37 -0.35 0.00	86.32 -0.52 0.00	86.54 -0.53 0.00	78.16 -0.31 0.00	98.78 -0.26 0.00	75.13 -0.33 0.00	73.44 -0.33 0.00	65.18 -0.27 0.00	70.39 0.05 0.00	75.40 0.10 0.00	84.83 0.15 0.00
MID___RAQUETTE_HYD 23851	50.32 2.79 0.00	51.46 6.59 0.00	53.94 6.81 0.00	49.51 2.78 0.00	44.13 1.86 0.00	44.75 1.21 0.00	56.88 0.50 0.00	38.90 -0.27 0.00	39.84 -0.35 0.00	48.70 -0.78 0.00	91.59 -1.50 0.00	89.67 -2.16 0.00	80.53 -0.65 0.00	75.78 -0.94 0.00	85.58 -1.26 0.00	85.92 -1.16 0.00	77.55 -0.92 0.00	97.84 -1.19 0.00	74.55 -0.91 0.00	72.96 -0.81 0.00	64.85 -0.60 0.00	70.42 0.07 0.00	75.72 0.42 0.00	85.36 0.68 0.00
MILLIKEN___1 23584	47.87 0.33 0.00	45.05 0.18 0.00	47.27 0.16 0.00	46.86 0.12 0.00	42.48 0.21 0.00	43.86 0.31 0.00	57.02 0.65 0.00	39.49 0.32 0.00	40.56 0.37 0.00	49.89 0.41 0.00	94.25 1.16 0.00	93.11 1.28 0.00	82.25 1.07 0.00	77.81 1.09 0.00	88.02 1.18 0.00	88.27 1.19 0.00	79.87 1.40 0.00	100.96 1.93 0.00	76.34 0.88 0.00	74.42 0.65 0.00	65.96 0.50 0.00	70.65 0.31 0.00	75.53 0.23 0.00	84.71 0.03 0.00
MILLIKEN___2 23585	47.87 0.33 0.00	45.05 0.18 0.00	47.27 0.16 0.00	46.86 0.12 0.00	42.48 0.21 0.00	43.86 0.31 0.00	57.02 0.65 0.00	39.49 0.32 0.00	40.56 0.37 0.00	49.89 0.41 0.00	94.25 1.16 0.00	93.11 1.28 0.00	82.25 1.07 0.00	77.81 1.09 0.00	88.02 1.18 0.00	88.27 1.19 0.00	79.87 1.40 0.00	100.96 1.93 0.00	76.34 0.88 0.00	74.42 0.65 0.00	65.96 0.50 0.00	70.65 0.31 0.00	75.53 0.23 0.00	84.71 0.03 0.00
MILLIKEN___DIESEL 23629	47.87 0.33 0.00	45.05 0.18 0.00	47.27 0.16 0.00	46.86 0.12 0.00	42.48 0.21 0.00	43.86 0.31 0.00	57.02 0.65 0.00	39.49 0.32 0.00	40.56 0.37 0.00	49.89 0.41 0.00	94.25 1.16 0.00	93.11 1.28 0.00	82.25 1.07 0.00	77.81 1.09 0.00	88.02 1.18 0.00	88.27 1.19 0.00	79.87 1.40 0.00	100.96 1.93 0.00	76.34 0.88 0.00	74.42 0.65 0.00	65.96 0.50 0.00	70.65 0.31 0.00	75.53 0.23 0.00	84.71 0.03 0.00
MILLSEAT___LFGE 323607	45.92 -1.62 0.00	42.99 -1.88 0.00	45.29 -1.82 0.00	44.86 -1.87 0.00	40.77 -1.50 0.00	41.77 -1.78 0.00	53.69 -2.68 0.00	36.87 -2.31 0.00	37.99 -2.20 0.00	46.35 -3.12 0.00	86.10 -6.99 0.00	84.94 -6.90 0.00	75.13 -6.06 0.00	70.71 -6.01 0.00	79.80 -7.04 0.00	79.41 -7.66 0.00	71.09 -7.39 0.00	90.30 -8.73 0.00	67.73 -7.73 0.00	65.76 -8.01 0.00	58.66 -6.79 0.00	63.42 -6.93 0.00	68.61 -6.69 0.00	78.25 -6.43 0.00
MILLWOOD_138_KV_38W41_REV_LBMP_H 345005	49.18 1.64 0.00	46.17 1.30 0.00	48.25 1.13 0.00	47.91 1.18 0.00	43.44 1.17 0.00	44.91 1.36 0.00	58.47 2.10 0.00	41.16 1.99 0.00	42.28 2.09 0.00	52.11 2.63 0.00	98.10 5.01 0.00	97.01 5.17 0.00	85.67 4.48 0.00	81.13 4.40 0.00	92.03 5.19 0.00	92.22 5.14 0.00	83.27 4.79 0.00	105.08 6.04 0.00	80.40 4.93 0.00	78.39 4.62 0.00	69.39 3.93 0.00	74.26 3.92 0.00	79.32 4.03 0.00	88.64 3.96 0.00
MILLWOOD_13_KV_LOAD 356217	49.25 1.72 0.00	46.23 1.36 0.00	48.32 1.20 0.00	47.97 1.24 0.00	43.50 1.24 0.00	44.98 1.43 0.00	58.58 2.21 0.00	41.23 2.06 0.00	42.35 2.16 0.00	52.20 2.72 0.00	98.27 5.18 0.00	97.18 5.35 0.00	85.83 4.64 0.00	81.27 4.55 0.00	92.19 5.36 0.00	92.39 5.32 0.00	83.42 4.95 0.00	105.28 6.25 0.00	80.55 5.08 0.00	78.53 4.76 0.00	69.51 4.06 0.00	74.38 4.05 0.00	79.46 4.16 0.00	88.77 4.09 0.00
MODEL_CITY_ENERGY 24167	44.36 -3.18 0.00	41.54 -3.33 0.00	43.81 -3.30 0.00	43.39 -3.33 0.00	39.42 -2.85 0.00	40.30 -3.25 0.00	51.52 -4.85 0.00	35.16 -4.01 0.00	36.25 -3.94 0.00	44.15 -5.32 0.00	81.77 -11.32 0.00	80.67 -11.16 0.00	71.38 -9.81 0.00	67.19 -9.53 0.00	75.91 -10.93 0.00	75.73 -11.34 0.00	67.59 -10.88 0.00	85.74 -13.30 0.00	64.25 -11.21 0.00	62.38 -11.39 0.00	55.72 -9.73 0.00	60.46 -9.88 0.00	65.64 -9.66 0.00	75.30 -9.38 0.00
MODERN_LFGE___ 323580	44.36 -3.18 0.00	41.54 -3.33 0.00	43.81 -3.30 0.00	43.39 -3.33 0.00	39.42 -2.85 0.00	40.30 -3.25 0.00	51.52 -4.85 0.00	35.16 -4.01 0.00	36.25 -3.94 0.00	44.15 -5.32 0.00	81.77 -11.32 0.00	80.67 -11.16 0.00	71.38 -9.81 0.00	67.19 -9.53 0.00	75.91 -10.93 0.00	75.73 -11.34 0.00	67.59 -10.88 0.00	85.74 -13.30 0.00	64.25 -11.21 0.00	62.38 -11.39 0.00	55.72 -9.73 0.00	60.46 -9.88 0.00	65.64 -9.66 0.00	75.30 -9.38 0.00
MOHAWK_PAPER___DRP 24187	48.97 1.43 0.00	46.16 1.29 0.00	48.42 1.30 0.00	48.06 1.34 0.00	43.45 1.19 0.00	44.86 1.32 0.00	58.29 1.92 0.00	40.80 1.63 0.00	41.84 1.65 0.00	51.60 2.13 0.00	97.29 4.20 0.00	95.93 4.10 0.00	84.72 3.54 0.00	80.21 3.49 0.00	91.01 4.18 0.00	91.21 4.14 0.00	82.32 3.85 0.00	103.96 4.92 0.00	79.26 3.79 0.00	77.36 3.59 0.00	68.47 3.02 0.00	73.34 3.00 0.00	78.41 3.12 0.00	88.05 3.37 0.00
MOHICAN___35_KV_115KV_LD 80490	50.12 2.58 0.00	47.20 2.33 0.00	49.50 2.38 0.00	49.15 2.42 0.00	44.49 2.23 0.00	45.88 2.34 0.00	59.74 3.37 0.00	41.76 2.59 0.00	42.75 2.56 0.00	52.69 3.21 0.00	98.54 5.45 0.00	97.08 5.25 0.00	85.43 4.24 0.00	80.71 3.99 0.00	91.72 4.89 0.00	91.93 4.86 0.00	83.09 4.62 0.00	105.01 5.98 0.00	80.11 4.65 0.00	78.21 4.44 0.00	69.15 3.70 0.00	73.92 3.58 0.00	78.87 3.57 0.00	88.44 3.76 0.00
MONGAUP___HYD 23641	49.81 2.28 0.00	46.76 1.89 0.00	48.91 1.79 0.00	48.55 1.82 0.00	44.02 1.75 0.00	45.50 1.95 0.00	58.64 2.27 0.00	41.23 2.06 0.00	42.33 2.14 0.00	52.12 2.65 0.00	97.98 4.89 0.00	96.86 5.03 0.00	85.64 4.45 0.00	81.10 4.38 0.00	92.05 5.22 0.00	92.27 5.19 0.00	83.32 4.85 0.00	105.34 6.30 0.00	80.48 5.01 0.00	78.50 4.72 0.00	69.47 4.02 0.00	74.33 3.99 0.00	79.38 4.08 0.00	89.16 4.47 0.00
MONTAUK___DIESEL 23721	51.82 4.29 0.00	48.34 3.47 0.00	50.40 3.28 0.00	49.66 2.93 0.00	44.48 2.22 0.00	46.18 2.64 0.00	60.32 3.95 0.00	42.69 3.52 0.00	43.22 3.03 0.00	53.95 4.47 0.00	101.06 7.96 -0.01	103.64 8.00 -3.81	89.24 8.05 -0.01	83.58 6.85 0.00	93.88 7.04 0.00	94.01 6.94 0.00	86.05 6.85 -0.73	108.12 8.76 -0.32	88.67 7.35 -5.85	82.76 6.65 -2.34	71.12 5.67 0.00	75.94 5.60 0.00	81.32 6.02 0.00	90.72 5.71 -0.32
MOONROAD_115KV_HARTFLD_TB1-2 355988	46.34 -1.20 0.00	43.32 -1.55 0.00	45.62 -1.50 0.00	45.21 -1.52 0.00	41.09 -1.17 0.00	42.23 -1.32 0.00	54.30 -2.07 0.00	37.44 -1.73 0.00	38.55 -1.64 0.00	47.19 -2.28 0.00	87.86 -5.23 0.00	86.85 -4.98 0.00	76.84 -4.35 0.00	72.43 -4.29 0.00	81.69 -5.15 0.00	81.63 -5.44 0.00	72.84 -5.63 0.00	92.40 -6.63 0.00	69.14 -6.33 0.00	66.73 -7.04 0.00	59.65 -5.80 0.00	64.75 -5.58 0.00	70.12 -5.18 0.00	79.75 -4.93 0.00

MORRIS_RIDGE___SOLAR 323848	45.85 -1.69 0.00	42.93 -1.94 0.00	44.95 -2.17 0.00	44.52 -2.21 0.00	40.53 -1.74 0.00	41.59 -1.96 0.00	53.72 -2.65 0.00	37.15 -2.02 0.00	38.19 -2.00 0.00	46.83 -2.65 0.00	87.51 -5.58 0.00	86.51 -5.32 0.00	76.73 -4.46 0.00	72.44 -4.28 0.00	82.03 -4.80 0.00	81.87 -5.21 0.00	73.40 -5.07 0.00	92.80 -6.24 0.00	69.71 -5.75 0.00	67.64 -6.13 0.00	60.01 -5.44 0.00	64.74 -5.60 0.00	69.60 -5.70 0.00	78.79 -5.89 0.00
MORTIMER_115KV_TB3 55949	45.75 -1.79 0.00	42.95 -1.92 0.00	45.21 -1.91 0.00	44.80 -1.93 0.00	40.67 -1.59 0.00	41.83 -1.71 0.00	54.03 -2.34 0.00	37.37 -1.80 0.00	38.43 -1.76 0.00	47.07 -2.41 0.00	87.88 -5.21 0.00	86.66 -5.17 0.00	76.64 -4.55 0.00	72.30 -4.42 0.00	81.74 -5.10 0.00	81.79 -5.29 0.00	73.42 -5.05 0.00	93.06 -5.97 0.00	70.22 -5.24 0.00	68.31 -5.46 0.00	60.72 -4.74 0.00	65.41 -4.93 0.00	70.46 -4.84 0.00	79.76 -4.92 0.00
MOTTHAVN_138_KV_9M4_REV_LBMP_J 345006	49.38 1.85 0.00	46.32 1.45 0.00	48.39 1.27 0.00	48.05 1.32 0.00	43.56 1.30 0.00	45.06 1.52 0.00	58.74 2.37 0.00	41.38 2.21 0.00	42.54 2.35 0.00	52.41 2.94 0.00	98.73 5.64 0.00	97.65 5.82 0.00	86.21 5.02 0.00	81.64 4.92 0.00	92.62 5.78 0.00	92.82 5.74 0.00	83.79 5.32 0.00	105.68 6.64 0.00	80.89 5.43 0.00	78.83 5.05 0.00	69.74 4.29 0.00	74.64 4.30 0.00	79.74 4.45 0.00	89.00 4.32 0.00
MUNSVILLE_WIND_PWR 323609	51.57 4.04 0.00	48.43 3.56 0.00	50.82 3.70 0.00	50.41 3.68 0.00	45.65 3.39 0.00	47.27 3.72 0.00	62.12 5.75 0.00	46.70 7.53 0.00	47.82 7.63 0.00	57.95 8.47 0.00	102.59 9.50 0.00	101.59 9.75 0.00	90.03 8.84 0.00	85.07 8.35 0.00	96.35 9.51 0.00	96.63 9.56 0.00	87.36 8.88 0.00	110.56 11.53 0.00	83.80 8.33 0.00	81.75 7.97 0.00	72.25 6.80 0.00	77.09 6.75 0.00	81.84 6.54 0.00	91.00 6.32 0.00
N SALMON___HYD 24042	49.72 2.18 0.00	48.20 3.33 0.00	50.74 3.63 0.00	49.15 2.42 0.00	44.29 2.02 0.00	45.31 1.76 0.00	58.24 1.86 0.00	40.19 1.02 0.00	41.15 0.97 0.00	50.51 1.03 0.00	94.96 1.87 0.00	93.53 1.70 0.00	83.29 2.10 0.00	78.30 1.57 0.00	88.63 1.79 0.00	88.83 1.76 0.00	80.22 1.75 0.00	101.15 2.11 0.00	77.18 1.71 0.00	75.53 1.76 0.00	67.03 1.58 0.00	72.48 2.14 0.00	77.70 2.40 0.00	87.51 2.83 0.00
N.AKRON__115KV_KNAPP 355671	45.72 -1.82 0.00	42.81 -2.06 0.00	45.11 -2.01 0.00	44.67 -2.06 0.00	40.58 -1.68 0.00	41.56 -1.99 0.00	53.34 -3.04 0.00	36.57 -2.60 0.00	37.70 -2.49 0.00	45.98 -3.50 0.00	85.31 -7.78 0.00	84.17 -7.67 0.00	74.45 -6.74 0.00	70.07 -6.65 0.00	79.05 -7.79 0.00	78.66 -8.42 0.00	70.33 -8.14 0.00	89.27 -9.76 0.00	66.96 -8.50 0.00	65.01 -8.76 0.00	57.98 -7.47 0.00	62.75 -7.59 0.00	67.96 -7.34 0.00	77.61 -7.07 0.00
N.BELMOR_69_KV_BK1 55787	50.07 2.54 0.00	46.91 2.04 0.00	48.97 1.85 0.00	48.58 1.85 0.00	44.02 1.76 0.00	45.64 2.09 0.00	59.32 2.95 0.00	41.95 2.78 0.00	42.99 2.80 0.00	53.19 3.71 0.00	100.12 7.03 0.00	101.36 7.09 -2.43	87.19 6.00 0.00	82.26 5.54 0.00	93.31 6.48 0.00	93.56 6.48 0.00	85.58 6.10 -1.01	107.34 7.86 -0.44	89.81 6.49 -7.85	83.09 6.07 -3.25	70.72 5.27 0.00	75.60 5.26 0.00	80.79 5.49 0.00	90.74 5.61 -0.44
N.E_GEN_SANDY PD 24062	51.01 1.75 -1.73	46.40 1.53 0.00	48.58 1.46 0.00	48.24 1.51 0.00	48.04 1.41 -4.37	56.27 1.56 -11.16	59.58 2.26 -0.95	52.03 1.95 -10.91	42.52 1.99 -0.34	55.64 2.51 -3.66	98.34 4.75 -0.49	97.31 4.84 -0.63	85.33 4.14 0.00	80.81 4.09 0.00	97.47 4.87 -5.77	91.87 4.80 0.00	84.54 4.46 -1.61	115.78 5.65 -11.10	108.35 4.50 -28.39	93.13 4.35 -15.00	89.57 3.72 -20.40	92.49 3.73 -18.42	92.07 3.90 -12.88	92.08 4.06 -3.33
N.HEMPST_138_KV_BK345_REV_LBMP_G 345014	48.96 1.42 0.00	45.96 1.09 0.00	48.04 0.92 0.00	47.71 0.98 0.00	43.28 1.02 0.00	44.72 1.17 0.00	58.19 1.82 0.00	40.96 1.79 0.00	42.05 1.86 0.00	51.81 2.34 0.00	97.45 4.37 0.00	96.34 4.51 0.00	85.10 3.92 0.00	80.59 3.87 0.00	91.45 4.61 0.00	91.61 4.54 0.00	82.72 4.25 0.00	104.41 5.37 0.00	79.90 4.44 0.00	77.88 4.10 0.00	68.96 3.51 0.00	73.82 3.48 0.00	78.82 3.52 0.00	88.10 3.42 0.00
N.QUEENS_27_KV_LOAD 356247	49.44 1.90 0.00	46.38 1.51 0.00	48.41 1.29 0.00	48.03 1.30 0.00	43.53 1.27 0.00	45.03 1.49 0.00	58.81 2.44 0.00	41.47 2.30 0.00	42.62 2.43 0.00	52.47 2.99 0.00	98.92 5.83 0.00	97.72 5.89 0.00	86.31 5.12 0.00	81.78 5.06 0.00	92.83 5.99 0.00	93.00 5.92 0.00	83.91 5.44 0.00	105.90 6.87 0.00	81.08 5.62 0.00	78.97 5.19 0.00	69.85 4.40 0.00	74.67 4.32 0.00	79.75 4.45 0.00	89.02 4.34 0.00
N.TROY___115KV_TB1 355778	49.28 1.74 0.00	46.46 1.59 0.00	48.74 1.62 0.00	48.36 1.63 0.00	43.75 1.49 0.00	45.15 1.60 0.00	58.67 2.29 0.00	41.04 1.87 0.00	42.07 1.88 0.00	51.84 2.37 0.00	97.66 4.57 0.00	96.28 4.44 0.00	84.87 3.68 0.00	80.24 3.52 0.00	91.01 4.18 0.00	91.20 4.13 0.00	82.33 3.86 0.00	104.00 4.97 0.00	79.31 3.84 0.00	77.44 3.67 0.00	68.54 3.09 0.00	73.40 3.06 0.00	78.48 3.18 0.00	88.10 3.42 0.00
NARROWS_GT1_1 24228	49.60 2.07 0.00	46.54 1.67 0.00	48.59 1.48 0.00	48.25 1.52 0.00	43.76 1.50 0.00	45.24 1.69 0.00	59.01 2.64 0.00	41.52 2.35 0.00	42.68 2.49 0.00	52.58 3.10 0.00	98.94 5.85 0.00	97.91 6.08 0.00	86.49 5.31 0.00	81.94 5.22 0.00	92.96 6.12 0.00	93.15 6.08 0.00	84.05 5.58 0.00	106.01 6.97 0.00	81.19 5.72 0.00	79.08 5.31 0.00	69.99 4.53 0.00	74.89 4.55 0.00	80.04 4.74 0.00	89.31 4.63 0.00
NARROWS_GT1_2 24229	49.60 2.07 0.00	46.54 1.67 0.00	48.59 1.48 0.00	48.25 1.52 0.00	43.76 1.50 0.00	45.24 1.69 0.00	59.01 2.64 0.00	41.52 2.35 0.00	42.68 2.49 0.00	52.58 3.10 0.00	98.94 5.85 0.00	97.91 6.08 0.00	86.49 5.31 0.00	81.94 5.22 0.00	92.96 6.12 0.00	93.15 6.08 0.00	84.05 5.58 0.00	106.01 6.97 0.00	81.19 5.72 0.00	79.08 5.31 0.00	69.99 4.53 0.00	74.89 4.55 0.00	80.04 4.74 0.00	89.31 4.63 0.00
NARROWS_GT1_3 24230	49.60 2.07 0.00	46.54 1.67 0.00	48.59 1.48 0.00	48.25 1.52 0.00	43.76 1.50 0.00	45.24 1.69 0.00	59.01 2.64 0.00	41.52 2.35 0.00	42.68 2.49 0.00	52.58 3.10 0.00	98.94 5.85 0.00	97.91 6.08 0.00	86.49 5.31 0.00	81.94 5.22 0.00	92.96 6.12 0.00	93.15 6.08 0.00	84.05 5.58 0.00	106.01 6.97 0.00	81.19 5.72 0.00	79.08 5.31 0.00	69.99 4.53 0.00	74.89 4.55 0.00	80.04 4.74 0.00	89.31 4.63 0.00
NARROWS_GT1_4 24231	49.60 2.07 0.00	46.54 1.67 0.00	48.59 1.48 0.00	48.25 1.52 0.00	43.76 1.50 0.00	45.24 1.69 0.00	59.01 2.64 0.00	41.52 2.35 0.00	42.68 2.49 0.00	52.58 3.10 0.00	98.94 5.85 0.00	97.91 6.08 0.00	86.49 5.31 0.00	81.94 5.22 0.00	92.96 6.12 0.00	93.15 6.08 0.00	84.05 5.58 0.00	106.01 6.97 0.00	81.19 5.72 0.00	79.08 5.31 0.00	69.99 4.53 0.00	74.89 4.55 0.00	80.04 4.74 0.00	89.31 4.63 0.00

NARROWS_GT1_5 24232	49.60 2.07 0.00	46.54 1.67 0.00	48.59 1.48 0.00	48.25 1.52 0.00	43.76 1.50 0.00	45.24 1.69 0.00	59.01 2.64 0.00	41.52 2.35 0.00	42.68 2.49 0.00	52.58 3.10 0.00	98.94 5.85 0.00	97.91 6.08 0.00	86.49 5.31 0.00	81.94 5.22 0.00	92.96 6.12 0.00	93.15 6.08 0.00	84.05 5.58 0.00	106.01 6.97 0.00	81.19 5.72 0.00	79.08 5.31 0.00	69.99 4.53 0.00	74.89 4.55 0.00	80.04 4.74 0.00	89.31 4.63 0.00
NARROWS_GT1_6 24233	49.60 2.07 0.00	46.54 1.67 0.00	48.59 1.48 0.00	48.25 1.52 0.00	43.76 1.50 0.00	45.24 1.69 0.00	59.01 2.64 0.00	41.52 2.35 0.00	42.68 2.49 0.00	52.58 3.10 0.00	98.94 5.85 0.00	97.91 6.08 0.00	86.49 5.31 0.00	81.94 5.22 0.00	92.96 6.12 0.00	93.15 6.08 0.00	84.05 5.58 0.00	106.01 6.97 0.00	81.19 5.72 0.00	79.08 5.31 0.00	69.99 4.53 0.00	74.89 4.55 0.00	80.04 4.74 0.00	89.31 4.63 0.00
NARROWS_GT1_7 24234	49.60 2.07 0.00	46.54 1.67 0.00	48.59 1.48 0.00	48.25 1.52 0.00	43.76 1.50 0.00	45.24 1.69 0.00	59.01 2.64 0.00	41.52 2.35 0.00	42.68 2.49 0.00	52.58 3.10 0.00	98.94 5.85 0.00	97.91 6.08 0.00	86.49 5.31 0.00	81.94 5.22 0.00	92.96 6.12 0.00	93.15 6.08 0.00	84.05 5.58 0.00	106.01 6.97 0.00	81.19 5.72 0.00	79.08 5.31 0.00	69.99 4.53 0.00	74.89 4.55 0.00	80.04 4.74 0.00	89.31 4.63 0.00
NARROWS_GT1_8 24235	49.60 2.07 0.00	46.54 1.67 0.00	48.59 1.48 0.00	48.25 1.52 0.00	43.76 1.50 0.00	45.24 1.69 0.00	59.01 2.64 0.00	41.52 2.35 0.00	42.68 2.49 0.00	52.58 3.10 0.00	98.94 5.85 0.00	97.91 6.08 0.00	86.49 5.31 0.00	81.94 5.22 0.00	92.96 6.12 0.00	93.15 6.08 0.00	84.05 5.58 0.00	106.01 6.97 0.00	81.19 5.72 0.00	79.08 5.31 0.00	69.99 4.53 0.00	74.89 4.55 0.00	80.04 4.74 0.00	89.31 4.63 0.00
NARROWS_GT2_1 24236	49.60 2.07 0.00	46.54 1.67 0.00	48.59 1.48 0.00	48.25 1.52 0.00	43.76 1.50 0.00	45.24 1.69 0.00	59.01 2.64 0.00	41.52 2.35 0.00	42.68 2.49 0.00	52.58 3.10 0.00	98.94 5.85 0.00	97.91 6.08 0.00	86.49 5.31 0.00	81.94 5.22 0.00	92.96 6.12 0.00	93.15 6.08 0.00	84.05 5.58 0.00	106.01 6.97 0.00	81.19 5.72 0.00	79.08 5.31 0.00	69.99 4.53 0.00	74.89 4.55 0.00	80.04 4.74 0.00	89.31 4.63 0.00
NARROWS_GT2_2 24237	49.60 2.07 0.00	46.54 1.67 0.00	48.59 1.48 0.00	48.25 1.52 0.00	43.76 1.50 0.00	45.24 1.69 0.00	59.01 2.64 0.00	41.52 2.35 0.00	42.68 2.49 0.00	52.58 3.10 0.00	98.94 5.85 0.00	97.91 6.08 0.00	86.49 5.31 0.00	81.94 5.22 0.00	92.96 6.12 0.00	93.15 6.08 0.00	84.05 5.58 0.00	106.01 6.97 0.00	81.19 5.72 0.00	79.08 5.31 0.00	69.99 4.53 0.00	74.89 4.55 0.00	80.04 4.74 0.00	89.31 4.63 0.00
NARROWS_GT2_3 24238	49.60 2.07 0.00	46.54 1.67 0.00	48.59 1.48 0.00	48.25 1.52 0.00	43.76 1.50 0.00	45.24 1.69 0.00	59.01 2.64 0.00	41.52 2.35 0.00	42.68 2.49 0.00	52.58 3.10 0.00	98.94 5.85 0.00	97.91 6.08 0.00	86.49 5.31 0.00	81.94 5.22 0.00	92.96 6.12 0.00	93.15 6.08 0.00	84.05 5.58 0.00	106.01 6.97 0.00	81.19 5.72 0.00	79.08 5.31 0.00	69.99 4.53 0.00	74.89 4.55 0.00	80.04 4.74 0.00	89.31 4.63 0.00
NARROWS_GT2_4 24239	49.60 2.07 0.00	46.54 1.67 0.00	48.59 1.48 0.00	48.25 1.52 0.00	43.76 1.50 0.00	45.24 1.69 0.00	59.01 2.64 0.00	41.52 2.35 0.00	42.68 2.49 0.00	52.58 3.10 0.00	98.94 5.85 0.00	97.91 6.08 0.00	86.49 5.31 0.00	81.94 5.22 0.00	92.96 6.12 0.00	93.15 6.08 0.00	84.05 5.58 0.00	106.01 6.97 0.00	81.19 5.72 0.00	79.08 5.31 0.00	69.99 4.53 0.00	74.89 4.55 0.00	80.04 4.74 0.00	89.31 4.63 0.00
NARROWS_GT2_5 24240	49.60 2.07 0.00	46.54 1.67 0.00	48.59 1.48 0.00	48.25 1.52 0.00	43.76 1.50 0.00	45.24 1.69 0.00	59.01 2.64 0.00	41.52 2.35 0.00	42.68 2.49 0.00	52.58 3.10 0.00	98.94 5.85 0.00	97.91 6.08 0.00	86.49 5.31 0.00	81.94 5.22 0.00	92.96 6.12 0.00	93.15 6.08 0.00	84.05 5.58 0.00	106.01 6.97 0.00	81.19 5.72 0.00	79.08 5.31 0.00	69.99 4.53 0.00	74.89 4.55 0.00	80.04 4.74 0.00	89.31 4.63 0.00
NARROWS_GT2_6 24241	49.60 2.07 0.00	46.54 1.67 0.00	48.59 1.48 0.00	48.25 1.52 0.00	43.76 1.50 0.00	45.24 1.69 0.00	59.01 2.64 0.00	41.52 2.35 0.00	42.68 2.49 0.00	52.58 3.10 0.00	98.94 5.85 0.00	97.91 6.08 0.00	86.49 5.31 0.00	81.94 5.22 0.00	92.96 6.12 0.00	93.15 6.08 0.00	84.05 5.58 0.00	106.01 6.97 0.00	81.19 5.72 0.00	79.08 5.31 0.00	69.99 4.53 0.00	74.89 4.55 0.00	80.04 4.74 0.00	89.31 4.63 0.00
NARROWS_GT2_7 24242	49.60 2.07 0.00	46.54 1.67 0.00	48.59 1.48 0.00	48.25 1.52 0.00	43.76 1.50 0.00	45.24 1.69 0.00	59.01 2.64 0.00	41.52 2.35 0.00	42.68 2.49 0.00	52.58 3.10 0.00	98.94 5.85 0.00	97.91 6.08 0.00	86.49 5.31 0.00	81.94 5.22 0.00	92.96 6.12 0.00	93.15 6.08 0.00	84.05 5.58 0.00	106.01 6.97 0.00	81.19 5.72 0.00	79.08 5.31 0.00	69.99 4.53 0.00	74.89 4.55 0.00	80.04 4.74 0.00	89.31 4.63 0.00
NARROWS_GT2_8 24243	49.60 2.07 0.00	46.54 1.67 0.00	48.59 1.48 0.00	48.25 1.52 0.00	43.76 1.50 0.00	45.24 1.69 0.00	59.01 2.64 0.00	41.52 2.35 0.00	42.68 2.49 0.00	52.58 3.10 0.00	98.94 5.85 0.00	97.91 6.08 0.00	86.49 5.31 0.00	81.94 5.22 0.00	92.96 6.12 0.00	93.15 6.08 0.00	84.05 5.58 0.00	106.01 6.97 0.00	81.19 5.72 0.00	79.08 5.31 0.00	69.99 4.53 0.00	74.89 4.55 0.00	80.04 4.74 0.00	89.31 4.63 0.00
NCATSKLL_69_KV_NC-LINE_REV_LBMP_G 345022	50.11 2.58 0.00	47.26 2.39 0.00	49.60 2.48 0.00	49.21 2.49 0.00	44.51 2.25 0.00	46.01 2.47 0.00	59.85 3.47 0.00	41.90 2.72 0.00	42.95 2.76 0.00	52.93 3.45 0.00	99.79 6.70 0.00	98.43 6.60 0.00	86.94 5.76 0.00	82.36 5.64 0.00	93.48 6.64 0.00	93.74 6.67 0.00	84.76 6.29 0.00	107.10 8.07 0.00	81.58 6.11 0.00	79.59 5.82 0.00	70.40 4.94 0.00	75.37 5.03 0.00	80.47 5.17 0.00	90.31 5.63 0.00
NCHELSEA_115KV_TR2 355582	49.80 2.26 0.00	46.73 1.86 0.00	48.84 1.72 0.00	48.49 1.76 0.00	43.97 1.70 0.00	45.48 1.93 0.00	59.29 2.92 0.00	41.73 2.56 0.00	42.88 2.69 0.00	52.85 3.37 0.00	99.51 6.42 0.00	98.41 6.58 0.00	86.92 5.73 0.00	82.33 5.61 0.00	93.42 6.58 0.00	93.62 6.54 0.00	84.53 6.06 0.00	106.76 7.73 0.00	81.63 6.16 0.00	79.61 5.83 0.00	70.45 5.00 0.00	75.38 5.04 0.00	80.44 5.15 0.00	89.84 5.15 0.00
NEG CAPITAL___MECHNVIL 23645	50.11 2.58 0.00	47.23 2.36 0.00	49.54 2.43 0.00	49.17 2.45 0.00	44.50 2.24 0.00	45.96 2.41 0.00	59.79 3.41 0.00	41.81 2.64 0.00	42.86 2.67 0.00	52.78 3.30 0.00	99.71 6.62 0.00	98.28 6.44 0.00	86.40 5.22 0.00	81.25 4.53 0.00	92.06 5.23 0.00	92.31 5.24 0.00	83.37 4.90 0.00	105.37 6.34 0.00	80.34 4.88 0.00	78.44 4.67 0.00	69.40 3.95 0.00	74.28 3.93 0.00	79.34 4.04 0.00	88.99 4.31 0.00



NEG CENTRAL_HIGH_ACRES 23767	45.23 -2.30 0.00	42.52 -2.35 0.00	44.74 -2.38 0.00	44.34 -2.39 0.00	40.25 -2.02 0.00	41.46 -2.09 0.00	53.65 -2.72 0.00	37.18 -1.99 0.00	38.24 -1.95 0.00	46.83 -2.64 0.00	87.64 -5.45 0.00	86.45 -5.38 0.00	76.49 -4.70 0.00	72.09 -4.63 0.00	81.54 -5.29 0.00	81.63 -5.45 0.00	73.43 -5.04 0.00	93.03 -6.00 0.00	70.22 -5.24 0.00	68.34 -5.43 0.00	60.69 -4.77 0.00	65.26 -5.07 0.00	70.18 -5.12 0.00	79.31 -5.37 0.00
NEG CENTRAL___DRP 24199	46.78 -0.76 0.00	43.98 -0.89 0.00	46.11 -1.01 0.00	45.70 -1.02 0.00	41.55 -0.72 0.00	42.84 -0.71 0.00	55.56 -0.81 0.00	38.69 -0.48 0.00	39.74 -0.45 0.00	48.72 -0.75 0.00	91.40 -1.69 0.00	90.26 -1.57 0.00	79.81 -1.38 0.00	75.42 -1.30 0.00	85.34 -1.49 0.00	85.49 -1.58 0.00	77.41 -1.06 0.00	97.81 -1.22 0.00	73.89 -1.58 0.00	71.98 -1.79 0.00	63.75 -1.70 0.00	68.38 -1.96 0.00	73.21 -2.09 0.00	82.23 -2.45 0.00
NEG CENTRAL___INDECK 23768	46.25 -1.29 0.00	43.31 -1.56 0.00	45.41 -1.71 0.00	44.99 -1.74 0.00	40.95 -1.31 0.00	42.16 -1.39 0.00	54.68 -1.69 0.00	37.87 -1.30 0.00	38.99 -1.20 0.00	47.72 -1.76 0.00	88.97 -4.12 0.00	87.75 -4.09 0.00	77.80 -3.39 0.00	73.45 -3.27 0.00	83.11 -3.72 0.00	83.11 -3.97 0.00	74.73 -3.74 0.00	94.62 -4.41 0.00	71.30 -4.16 0.00	69.20 -4.58 0.00	61.38 -4.07 0.00	65.97 -4.37 0.00	70.93 -4.37 0.00	80.12 -4.56 0.00
NEG CENTRAL___SENECA 23627	46.82 -0.72 0.00	43.95 -0.92 0.00	46.02 -1.09 0.00	45.65 -1.08 0.00	41.59 -0.67 0.00	42.82 -0.72 0.00	55.51 -0.86 0.00	38.75 -0.42 0.00	39.82 -0.37 0.00	48.74 -0.73 0.00	91.27 -1.82 0.00	90.19 -1.65 0.00	79.77 -1.41 0.00	75.33 -1.39 0.00	85.32 -1.51 0.00	85.36 -1.71 0.00	76.89 -1.58 0.00	97.15 -1.88 0.00	73.55 -1.91 0.00	71.61 -2.16 0.00	63.41 -2.04 0.00	68.01 -2.34 0.00	72.82 -2.48 0.00	81.83 -2.85 0.00
NEG CENTRAL___STATE_STREET 24147	47.17 -0.36 0.00	44.42 -0.45 0.00	46.62 -0.50 0.00	46.09 -0.64 0.00	41.87 -0.39 0.00	43.24 -0.30 0.00	56.13 -0.25 0.00	38.88 -0.29 0.00	39.90 -0.29 0.00	49.04 -0.44 0.00	92.24 -0.86 0.00	91.35 -0.48 0.00	80.50 -0.69 0.00	76.27 -0.45 0.00	86.02 -0.82 0.00	86.49 -0.58 0.00	78.72 0.25 0.00	99.60 0.56 0.00	74.89 -0.57 0.00	72.95 -0.82 0.00	64.67 -0.79 0.00	69.34 -1.00 0.00	74.15 -1.15 0.00	83.33 -1.35 0.00
NEG MILLWOOD___DRP 24198	49.88 2.35 0.00	46.81 1.94 0.00	48.90 1.78 0.00	48.56 1.83 0.00	44.03 1.77 0.00	45.57 2.02 0.00	59.42 3.05 0.00	41.84 2.67 0.00	42.99 2.80 0.00	52.99 3.51 0.00	99.79 6.70 0.00	98.69 6.86 0.00	87.15 5.96 0.00	82.56 5.84 0.00	93.67 6.84 0.00	93.90 6.82 0.00	84.81 6.33 0.00	107.12 8.08 0.00	81.90 6.44 0.00	79.87 6.10 0.00	70.65 5.20 0.00	75.58 5.24 0.00	80.66 5.37 0.00	90.06 5.38 0.00
NEG NORTH_FLCN_SEA 23793	48.78 1.24 0.00	46.20 1.33 0.00	48.70 1.58 0.00	48.13 1.40 0.00	43.56 1.30 0.00	44.72 1.17 0.00	57.56 1.19 0.00	39.92 0.75 0.00	40.86 0.67 0.00	50.31 0.83 0.00	94.51 1.42 0.00	93.10 1.27 0.00	82.91 1.72 0.00	77.85 1.13 0.00	88.52 1.68 0.00	88.06 0.99 0.00	79.88 1.41 0.00	100.17 1.14 0.00	76.66 1.20 0.00	75.29 1.52 0.00	66.71 1.26 0.00	72.03 1.69 0.00	77.20 1.90 0.00	86.99 2.31 0.00
NEG NORTH_KES_CHATEGAY 23792	48.76 1.22 0.00	46.36 1.50 0.00	48.78 1.66 0.00	48.10 1.38 0.00	43.51 1.24 0.00	44.62 1.07 0.00	57.42 1.05 0.00	39.69 0.51 0.00	40.65 0.46 0.00	50.03 0.55 0.00	94.10 1.01 0.00	92.85 1.01 0.00	82.41 1.22 0.00	77.50 0.78 0.00	87.80 0.97 0.00	87.89 0.82 0.00	79.38 0.90 0.00	99.95 0.92 0.00	76.31 0.84 0.00	74.78 1.00 0.00	66.39 0.94 0.00	71.69 1.36 0.00	76.86 1.56 0.00	86.69 2.01 0.00
NEG NORTH___ALICE_FALLS 23915	49.21 1.67 0.00	46.63 1.76 0.00	49.11 1.99 0.00	48.51 1.78 0.00	43.90 1.64 0.00	45.08 1.53 0.00	58.08 1.71 0.00	40.29 1.12 0.00	41.25 1.06 0.00	50.76 1.28 0.00	95.43 2.34 0.00	94.10 2.27 0.00	83.77 2.59 0.00	78.65 1.93 0.00	89.24 2.40 0.00	89.08 2.01 0.00	80.63 2.16 0.00	101.42 2.39 0.00	77.49 2.03 0.00	75.99 2.22 0.00	67.35 1.90 0.00	72.70 2.36 0.00	77.94 2.64 0.00	87.75 3.07 0.00
NEG NORTH___LWR_SARANAC 23913	49.21 1.67 0.00	46.63 1.76 0.00	49.11 1.99 0.00	48.51 1.78 0.00	43.90 1.64 0.00	45.08 1.53 0.00	58.08 1.71 0.00	40.29 1.12 0.00	41.25 1.06 0.00	50.76 1.28 0.00	95.43 2.34 0.00	94.10 2.27 0.00	83.77 2.59 0.00	78.65 1.93 0.00	89.24 2.40 0.00	89.08 2.01 0.00	80.63 2.16 0.00	101.42 2.39 0.00	77.49 2.03 0.00	75.99 2.22 0.00	67.35 1.90 0.00	72.70 2.36 0.00	77.94 2.64 0.00	87.75 3.07 0.00
NEG NORTH___PLATTSBURG 23628	49.21 1.67 0.00	46.63 1.76 0.00	49.11 1.99 0.00	48.51 1.78 0.00	43.90 1.63 0.00	45.08 1.53 0.00	58.08 1.71 0.00	40.29 1.12 0.00	41.25 1.06 0.00	50.76 1.28 0.00	95.43 2.34 0.00	94.10 2.26 0.00	83.77 2.58 0.00	78.65 1.93 0.00	89.24 2.40 0.00	89.08 2.01 0.00	80.63 2.16 0.00	101.42 2.39 0.00	77.49 2.03 0.00	75.99 2.22 0.00	67.35 1.90 0.00	72.69 2.35 0.00	77.94 2.64 0.00	87.75 3.07 0.00
NEG WEST_LEA_LOCKPORT 23791	44.94 -2.60 0.00	42.06 -2.81 0.00	44.35 -2.76 0.00	43.92 -2.81 0.00	39.88 -2.39 0.00	40.72 -2.83 0.00	52.08 -4.29 0.00	35.58 -3.59 0.00	36.66 -3.54 0.00	44.70 -4.77 0.00	82.85 -10.24 0.00	81.73 -10.10 0.00	72.31 -8.87 0.00	68.06 -8.66 0.00	76.79 -10.04 0.00	76.40 -10.67 0.00	68.23 -10.24 0.00	86.56 -12.47 0.00	64.87 -10.60 0.00	62.95 -10.82 0.00	56.22 -9.23 0.00	60.96 -9.38 0.00	66.16 -9.14 0.00	75.75 -8.94 0.00
NEG WEST___LANCASTR 23811	45.85 -1.68 0.00	42.95 -1.92 0.00	45.24 -1.88 0.00	44.85 -1.88 0.00	40.80 -1.47 0.00	41.84 -1.71 0.00	53.80 -2.57 0.00	36.96 -2.21 0.00	37.97 -2.22 0.00	46.43 -3.04 0.00	86.50 -6.59 0.00	85.45 -6.38 0.00	75.78 -5.40 0.00	71.34 -5.37 0.00	80.84 -5.99 0.00	80.43 -6.65 0.00	71.83 -6.64 0.00	91.24 -7.79 0.00	68.60 -6.86 0.00	66.63 -7.14 0.00	59.35 -6.10 0.00	64.18 -6.16 0.00	69.53 -5.76 0.00	78.89 -5.79 0.00
NEG_PENN_ALLEGHNY 23528	47.10 -0.44 0.00	44.35 -0.52 0.00	46.54 -0.58 0.00	46.16 -0.57 0.00	41.83 -0.43 0.00	43.12 -0.43 0.00	56.02 -0.36 0.00	39.08 -0.10 0.00	40.10 -0.09 0.00	49.30 -0.17 0.00	92.72 -0.37 0.00	91.58 -0.25 0.00	80.98 -0.20 0.00	76.55 -0.17 0.00	86.79 -0.05 0.00	86.79 -0.29 0.00	78.14 -0.33 0.00	98.71 -0.33 0.00	74.93 -0.53 0.00	73.12 -0.66 0.00	64.76 -0.69 0.00	69.47 -0.87 0.00	74.30 -1.00 0.00	83.38 -1.30 0.00
NEG___GEN_MONROE 24207	46.08 -1.46 0.00	43.22 -1.65 0.00	45.50 -1.62 0.00	45.09 -1.65 0.00	40.95 -1.32 0.00	42.11 -1.44 0.00	54.36 -2.01 0.00	37.57 -1.60 0.00	38.64 -1.54 0.00	47.31 -2.16 0.00	88.27 -4.82 0.00	87.02 -4.81 0.00	76.99 -4.19 0.00	72.56 -4.16 0.00	82.03 -4.81 0.00	82.03 -5.05 0.00	73.60 -4.87 0.00	93.37 -5.66 0.00	70.41 -5.05 0.00	68.44 -5.34 0.00	60.88 -4.58 0.00	65.59 -4.76 0.00	70.70 -4.60 0.00	80.09 -4.59 0.00

NEPA__ENERGY 23901	45.75 -1.79 0.00	42.79 -2.07 0.00	45.07 -2.05 0.00	44.65 -2.08 0.00	40.58 -1.68 0.00	41.63 -1.92 0.00	53.45 -2.92 0.00	36.74 -2.43 0.00	37.84 -2.35 0.00	46.26 -3.21 0.00	85.95 -7.14 0.00	84.91 -6.92 0.00	75.15 -6.03 0.00	70.81 -5.91 0.00	79.94 -6.90 0.00	79.84 -7.23 0.00	71.31 -7.16 0.00	90.45 -8.58 0.00	67.74 -7.73 0.00	65.57 -8.19 0.00	58.54 -6.91 0.00	63.50 -6.84 0.00	68.80 -6.50 0.00	78.39 -6.29 0.00
NEVERSink__HYD 23608	49.18 1.64 0.00	46.17 1.31 0.00	48.28 1.16 0.00	47.95 1.22 0.00	43.46 1.20 0.00	44.99 1.44 0.00	58.79 2.41 0.00	41.46 2.28 0.00	42.60 2.41 0.00	52.46 2.99 0.00	98.48 5.39 0.00	97.35 5.52 0.00	85.99 4.81 0.00	81.46 4.74 0.00	92.38 5.54 0.00	92.59 5.52 0.00	83.64 5.17 0.00	105.68 6.64 0.00	80.75 5.29 0.00	78.71 4.94 0.00	69.65 4.20 0.00	74.51 4.17 0.00	79.50 4.20 0.00	88.74 4.06 0.00
NEWKRMKL_115KV_TB1 55635	48.40 0.87 0.00	45.64 0.78 0.00	47.88 0.76 0.00	47.52 0.79 0.00	42.98 0.72 0.00	44.36 0.81 0.00	57.63 1.26 0.00	40.35 1.18 0.00	41.34 1.15 0.00	51.04 1.57 0.00	96.49 3.40 0.00	95.12 3.29 0.00	84.01 2.83 0.00	79.54 2.82 0.00	90.24 3.41 0.00	90.48 3.41 0.00	81.65 3.17 0.00	103.05 4.02 0.00	78.60 3.13 0.00	76.72 2.95 0.00	67.90 2.45 0.00	72.74 2.41 0.00	77.78 2.48 0.00	87.45 2.77 0.00
NEWTON__FALLS_HYD 23847	49.36 1.82 0.00	49.21 4.34 0.00	51.57 4.45 0.00	48.49 1.76 0.00	43.47 1.21 0.00	44.42 0.87 0.00	56.98 0.61 0.00	39.20 0.04 0.00	40.16 -0.03 0.00	49.12 -0.35 0.00	92.57 -0.52 0.00	90.73 -1.10 0.00	80.99 -0.19 0.00	76.37 -0.35 0.00	86.32 -0.52 0.00	86.54 -0.53 0.00	78.16 -0.31 0.00	98.78 -0.26 0.00	75.13 -0.33 0.00	73.44 -0.33 0.00	65.18 -0.27 0.00	70.39 0.05 0.00	75.40 0.10 0.00	84.83 0.15 0.00
NGRID_A1_DSASP 323792	43.87 -3.66 0.00	41.11 -3.76 0.00	43.37 -3.75 0.00	42.96 -3.77 0.00	39.03 -3.23 0.00	39.93 -3.62 0.00	51.10 -5.27 0.00	34.96 -4.22 0.00	36.02 -4.17 0.00	43.86 -5.62 0.00	81.21 -11.88 0.00	80.10 -11.73 0.00	70.86 -10.33 0.00	66.72 -10.00 0.00	75.39 -11.45 0.00	75.27 -11.81 0.00	67.17 -11.30 0.00	85.19 -13.84 0.00	63.83 -11.63 0.00	61.98 -11.79 0.00	55.38 -10.07 0.00	60.09 -10.24 0.00	65.31 -9.99 0.00	74.85 -9.83 0.00
NGRID_A2_DSASP 323793	43.87 -3.66 0.00	41.11 -3.76 0.00	43.37 -3.75 0.00	42.96 -3.77 0.00	39.03 -3.23 0.00	39.93 -3.62 0.00	51.10 -5.27 0.00	34.96 -4.22 0.00	36.02 -4.17 0.00	43.86 -5.62 0.00	81.21 -11.88 0.00	80.10 -11.73 0.00	70.86 -10.33 0.00	66.72 -10.00 0.00	75.39 -11.45 0.00	75.27 -11.81 0.00	67.17 -11.30 0.00	85.19 -13.84 0.00	63.83 -11.63 0.00	61.98 -11.79 0.00	55.38 -10.07 0.00	60.09 -10.24 0.00	65.31 -9.99 0.00	74.85 -9.83 0.00
NGRID_A4_DSASP 323807	43.87 -3.66 0.00	41.11 -3.76 0.00	43.37 -3.75 0.00	42.96 -3.77 0.00	39.03 -3.23 0.00	39.93 -3.62 0.00	51.10 -5.27 0.00	34.96 -4.22 0.00	36.02 -4.17 0.00	43.86 -5.62 0.00	81.21 -11.88 0.00	80.10 -11.73 0.00	70.86 -10.33 0.00	66.72 -10.00 0.00	75.39 -11.45 0.00	75.27 -11.81 0.00	67.17 -11.30 0.00	85.19 -13.84 0.00	63.83 -11.63 0.00	61.98 -11.79 0.00	55.38 -10.07 0.00	60.09 -10.24 0.00	65.31 -9.99 0.00	74.85 -9.83 0.00
NIAGARA_115E_LBMP 323715	44.00 -3.53 0.00	41.20 -3.67 0.00	43.47 -3.65 0.00	43.05 -3.68 0.00	39.12 -3.15 0.00	40.00 -3.55 0.00	51.09 -5.28 0.00	34.81 -4.36 0.00	35.91 -4.28 0.00	43.71 -5.76 0.00	80.91 -12.18 0.00	79.82 -12.01 0.00	70.62 -10.56 0.00	66.50 -10.22 0.00	75.21 -11.63 0.00	75.16 -11.92 0.00	67.06 -11.41 0.00	85.04 -13.99 0.00	63.73 -11.73 0.00	61.87 -11.90 0.00	55.30 -10.15 0.00	60.04 -10.30 0.00	65.18 -10.12 0.00	74.87 -9.81 0.00
NIAGARA_115W_LBMP 323714	43.78 -3.75 0.00	41.02 -3.85 0.00	43.28 -3.84 0.00	42.88 -3.85 0.00	38.95 -3.31 0.00	39.84 -3.70 0.00	50.99 -5.38 0.00	34.88 -4.29 0.00	35.95 -4.24 0.00	43.77 -5.71 0.00	81.03 -12.06 0.00	79.93 -11.91 0.00	70.72 -10.47 0.00	66.59 -10.13 0.00	75.23 -11.61 0.00	75.12 -11.95 0.00	67.03 -11.44 0.00	85.03 -14.00 0.00	63.70 -11.76 0.00	61.85 -11.92 0.00	55.27 -10.19 0.00	59.99 -10.35 0.00	65.20 -10.09 0.00	74.71 -9.97 0.00
NIAGARA_230_LBMP 323716	44.12 -3.42 0.00	41.34 -3.53 0.00	43.61 -3.51 0.00	43.19 -3.54 0.00	39.26 -3.01 0.00	40.16 -3.39 0.00	51.45 -4.92 0.00	35.23 -3.94 0.00	36.26 -3.93 0.00	44.21 -5.26 0.00	81.94 -11.15 0.00	80.84 -11.00 0.00	71.54 -9.65 0.00	67.35 -9.37 0.00	76.13 -10.71 0.00	76.00 -11.07 0.00	67.89 -10.58 0.00	86.13 -12.90 0.00	64.57 -10.89 0.00	62.70 -11.07 0.00	55.98 -9.47 0.00	60.69 -9.65 0.00	65.96 -9.34 0.00	75.47 -9.21 0.00
NIAGARA__115KV_198_GIBSON 55903	43.79 -3.75 0.00	41.02 -3.85 0.00	43.28 -3.84 0.00	42.87 -3.85 0.00	38.95 -3.31 0.00	39.84 -3.70 0.00	50.99 -5.38 0.00	34.88 -4.29 0.00	35.95 -4.24 0.00	43.78 -5.69 0.00	81.02 -12.07 0.00	79.93 -11.91 0.00	70.72 -10.47 0.00	66.59 -10.13 0.00	75.23 -11.61 0.00	75.12 -11.95 0.00	67.02 -11.45 0.00	85.04 -13.99 0.00	63.71 -11.75 0.00	61.85 -11.92 0.00	55.25 -10.20 0.00	59.99 -10.35 0.00	65.21 -10.09 0.00	74.70 -9.99 0.00
NIAGARA____ 23760	44.12 -3.42 0.00	41.34 -3.53 0.00	43.61 -3.51 0.00	43.19 -3.54 0.00	39.26 -3.01 0.00	40.16 -3.39 0.00	51.45 -4.92 0.00	35.23 -3.94 0.00	36.26 -3.93 0.00	44.21 -5.26 0.00	81.94 -11.15 0.00	80.84 -11.00 0.00	71.54 -9.65 0.00	67.35 -9.37 0.00	76.13 -10.71 0.00	76.00 -11.07 0.00	67.89 -10.58 0.00	86.13 -12.90 0.00	64.57 -10.89 0.00	62.70 -11.07 0.00	55.98 -9.47 0.00	60.69 -9.65 0.00	65.96 -9.34 0.00	75.47 -9.21 0.00
NINE_MILE_1 23575	45.62 -1.91 0.00	43.01 -1.86 0.00	45.17 -1.95 0.00	44.78 -1.95 0.00	40.53 -1.73 0.00	41.78 -1.76 0.00	54.15 -2.22 0.00	37.68 -1.49 0.00	38.67 -1.52 0.00	47.55 -1.93 0.00	89.33 -3.76 0.00	88.15 -3.69 0.00	77.90 -3.29 0.00	73.65 -3.07 0.00	83.36 -3.48 0.00	83.52 -3.55 0.00	75.23 -3.24 0.00	95.04 -4.00 0.00	72.32 -3.14 0.00	70.60 -3.17 0.00	62.63 -2.82 0.00	67.25 -3.09 0.00	72.02 -3.28 0.00	81.00 -3.68 0.00
NINE_MILE_2 23744	45.62 -1.91 0.00	43.01 -1.86 0.00	45.17 -1.95 0.00	44.78 -1.95 0.00	40.53 -1.73 0.00	41.78 -1.76 0.00	54.15 -2.22 0.00	37.68 -1.49 0.00	38.67 -1.52 0.00	47.55 -1.93 0.00	89.33 -3.76 0.00	88.15 -3.69 0.00	77.92 -3.27 0.00	73.65 -3.07 0.00	83.36 -3.48 0.00	83.54 -3.54 0.00	75.23 -3.24 0.00	95.04 -4.00 0.00	72.33 -3.13 0.00	70.61 -3.16 0.00	62.63 -2.82 0.00	67.25 -3.09 0.00	72.02 -3.28 0.00	81.01 -3.67 0.00
NM_CAPITAL__DRP 24208	48.58 1.05 0.00	45.82 0.95 0.00	48.06 0.94 0.00	47.71 0.98 0.00	43.13 0.87 0.00	44.52 0.97 0.00	57.81 1.44 0.00	40.48 1.31 0.00	41.48 1.29 0.00	51.20 1.72 0.00	96.70 3.61 0.00	95.33 3.50 0.00	84.18 2.99 0.00	79.68 2.96 0.00	90.42 3.58 0.00	90.62 3.55 0.00	81.80 3.32 0.00	103.22 4.18 0.00	78.71 3.25 0.00	76.83 3.06 0.00	68.00 2.55 0.00	72.84 2.50 0.00	77.91 2.61 0.00	87.57 2.88 0.00

NM_CENTRAL___DRP 24181	46.51 -1.03 0.00	43.82 -1.05 0.00	46.00 -1.12 0.00	45.61 -1.12 0.00	41.31 -0.96 0.00	42.61 -0.94 0.00	55.31 -1.06 0.00	38.52 -0.65 0.00	39.56 -0.63 0.00	48.62 -0.85 0.00	91.36 -1.74 0.00	90.13 -1.70 0.00	79.67 -1.52 0.00	75.31 -1.42 0.00	85.27 -1.56 0.00	85.42 -1.65 0.00	77.04 -1.43 0.00	97.31 -1.72 0.00	73.83 -1.64 0.00	72.06 -1.72 0.00	63.86 -1.59 0.00	68.52 -1.82 0.00	73.31 -1.99 0.00	82.42 -2.26 0.00
NM_FRONTIER___DRP 24179	43.79 -3.75 0.00	41.02 -3.85 0.00	43.28 -3.84 0.00	42.87 -3.85 0.00	38.95 -3.31 0.00	39.84 -3.70 0.00	50.99 -5.38 0.00	34.88 -4.29 0.00	35.95 -4.24 0.00	43.78 -5.69 0.00	81.02 -12.07 0.00	79.93 -11.91 0.00	70.72 -10.47 0.00	66.59 -10.13 0.00	75.23 -11.61 0.00	75.12 -11.95 0.00	67.02 -11.45 0.00	85.04 -13.99 0.00	63.71 -11.75 0.00	61.85 -11.92 0.00	55.25 -10.20 0.00	59.99 -10.35 0.00	65.21 -10.09 0.00	74.70 -9.99 0.00
NM_ST_REGIS___HYD 24053	50.25 2.72 0.00	50.76 5.88 0.00	53.26 6.14 0.00	49.52 2.79 0.00	44.24 1.98 0.00	44.97 1.42 0.00	57.29 0.92 0.00	39.26 0.09 0.00	40.20 0.02 0.00	49.21 -0.26 0.00	92.51 -0.58 0.00	90.72 -1.12 0.00	81.33 0.15 0.00	76.50 -0.22 0.00	86.45 -0.38 0.00	86.75 -0.32 0.00	78.30 -0.17 0.00	98.78 -0.25 0.00	75.30 -0.16 0.00	73.69 -0.07 0.00	65.48 0.03 0.00	71.03 0.69 0.00	76.31 1.02 0.00	86.03 1.35 0.00
NORTHPORT___1 23551	50.23 2.70 0.00	47.01 2.14 0.00	49.11 1.99 0.00	48.74 2.01 0.00	44.14 1.87 0.00	45.81 2.26 0.00	59.65 3.28 0.00	42.19 3.02 0.00	43.04 2.85 0.00	53.42 3.95 0.00	100.88 7.78 -0.01	103.96 8.27 -3.86	88.19 6.99 -0.01	83.11 6.39 0.00	94.13 7.29 0.00	94.37 7.29 0.00	85.86 6.67 -0.72	107.50 8.15 -0.32	88.16 6.92 -5.78	82.51 6.44 -2.31	71.06 5.60 0.00	76.07 5.73 0.00	81.46 6.16 0.00	91.25 6.25 -0.32
NORTHPORT___2 23552	50.23 2.70 0.00	47.01 2.14 0.00	49.11 1.99 0.00	48.74 2.01 0.00	44.14 1.87 0.00	45.81 2.26 0.00	59.65 3.28 0.00	42.19 3.02 0.00	43.04 2.85 0.00	53.42 3.95 0.00	100.88 7.78 -0.01	103.96 8.27 -3.86	88.19 6.99 -0.01	83.11 6.39 0.00	94.13 7.29 0.00	94.37 7.29 0.00	85.86 6.67 -0.72	107.50 8.15 -0.32	88.16 6.92 -5.78	82.51 6.44 -2.31	71.06 5.60 0.00	76.07 5.73 0.00	81.46 6.16 0.00	91.25 6.25 -0.32
NORTHPORT___3 23553	49.79 2.25 0.00	46.62 1.75 0.00	48.67 1.55 0.00	48.32 1.59 0.00	43.77 1.51 0.00	45.41 1.86 0.00	59.05 2.68 0.00	41.76 2.59 0.00	42.57 2.38 0.00	52.93 3.46 0.00	100.14 7.05 -0.01	103.03 7.36 -3.85	87.37 6.17 -0.01	82.33 5.61 0.00	93.30 6.46 0.00	93.35 6.28 0.00	84.83 5.63 -0.73	106.27 6.92 -0.32	87.18 5.89 -5.83	81.58 5.49 -2.33	70.28 4.83 0.00	75.18 4.84 0.00	80.50 5.21 0.00	90.13 5.13 -0.32
NORTHPORT___4 23650	49.79 2.25 0.00	46.62 1.75 0.00	48.67 1.55 0.00	48.32 1.59 0.00	43.77 1.51 0.00	45.41 1.86 0.00	59.05 2.68 0.00	41.76 2.59 0.00	42.57 2.38 0.00	52.93 3.46 0.00	100.14 7.05 -0.01	103.03 7.36 -3.85	87.37 6.17 -0.01	82.33 5.61 0.00	93.30 6.46 0.00	93.35 6.28 0.00	84.83 5.63 -0.73	106.27 6.92 -0.32	87.18 5.89 -5.83	81.58 5.49 -2.33	70.28 4.83 0.00	75.18 4.84 0.00	80.50 5.21 0.00	90.13 5.13 -0.32
NORTHPORT___IC 23718	50.23 2.70 0.00	47.01 2.14 0.00	49.11 1.99 0.00	48.74 2.01 0.00	44.13 1.87 0.00	45.80 2.26 0.00	59.65 3.28 0.00	42.20 3.03 0.00	43.04 2.85 0.00	53.43 3.95 0.00	100.88 7.78 -0.01	103.96 8.27 -3.86	88.19 6.99 -0.01	83.11 6.39 0.00	94.13 7.29 0.00	94.37 7.30 0.00	85.86 6.68 -0.72	107.50 8.15 -0.32	88.17 6.92 -5.78	82.50 6.43 -2.31	71.06 5.61 0.00	76.07 5.73 0.00	81.46 6.17 0.00	91.24 6.24 -0.32
NORTH___COUNTRY_ESR 323785	48.66 1.13 0.00	46.26 1.40 0.00	48.69 1.57 0.00	48.02 1.29 0.00	43.42 1.16 0.00	44.52 0.97 0.00	57.29 0.92 0.00	39.55 0.38 0.00	40.53 0.34 0.00	49.87 0.39 0.00	93.85 0.76 0.00	92.57 0.73 0.00	82.16 0.98 0.00	77.28 0.56 0.00	87.51 0.67 0.00	87.64 0.56 0.00	79.13 0.66 0.00	99.63 0.60 0.00	76.05 0.58 0.00	74.52 0.75 0.00	66.18 0.73 0.00	71.48 1.14 0.00	76.66 1.37 0.00	86.42 1.74 0.00
NPX_GEN_1385_PROXY 323591	50.61 3.07 0.00	47.37 2.50 0.00	49.47 2.35 0.00	49.32 2.59 0.00	44.68 2.41 0.00	46.38 2.83 0.00	60.61 4.24 0.00	42.96 3.79 0.00	43.51 3.32 0.00	54.22 4.75 0.00	102.58 9.49 -0.01	106.50 10.80 -3.86	89.74 8.54 -0.01	84.88 8.16 0.00	96.30 9.47 0.00	96.76 9.68 0.00	87.70 8.51 -0.72	109.45 10.10 -0.32	90.23 8.98 -5.78	123.50 8.44 -41.29	72.61 7.16 0.00	77.94 7.60 0.00	123.34 8.26 -39.78	133.88 8.61 -40.59
NPX_GEN_CSC 323557	50.92 3.38 0.00	47.56 2.70 0.00	49.63 2.51 0.00	49.18 2.45 0.00	44.47 2.20 0.00	46.22 2.68 0.00	60.22 3.85 0.00	42.67 3.50 0.00	43.53 3.34 0.00	54.04 4.56 0.00	101.19 8.10 -0.01	104.09 8.44 -3.81	88.99 7.80 -0.01	83.96 7.24 0.00	94.87 8.03 0.00	95.30 8.23 0.00	87.06 7.85 -0.73	109.30 9.94 -0.32	89.54 8.23 -5.85	83.75 7.64 -2.34	72.09 6.64 0.00	77.03 6.69 0.00	82.44 7.14 0.00	92.14 7.14 -0.32
NSINS_S___GLNS_FALLS 23858	50.00 2.46 0.00	47.08 2.21 0.00	49.39 2.27 0.00	49.03 2.30 0.00	44.38 2.11 0.00	45.71 2.17 0.00	59.54 3.17 0.00	41.62 2.45 0.00	42.60 2.41 0.00	52.49 3.02 0.00	98.10 5.01 0.00	96.67 4.84 0.00	85.09 3.90 0.00	80.41 3.69 0.00	91.38 4.55 0.00	91.60 4.53 0.00	82.82 4.35 0.00	104.70 5.67 0.00	79.85 4.39 0.00	77.97 4.20 0.00	68.92 3.47 0.00	73.69 3.35 0.00	78.62 3.32 0.00	88.15 3.46 0.00
NUCOR_STEEL___DRP 24197	47.14 -0.40 0.00	44.38 -0.49 0.00	46.60 -0.52 0.00	46.05 -0.68 0.00	41.83 -0.43 0.00	43.22 -0.33 0.00	56.09 -0.28 0.00	38.81 -0.36 0.00	39.83 -0.36 0.00	48.95 -0.53 0.00	92.08 -1.01 0.00	91.18 -0.65 0.00	80.35 -0.84 0.00	76.17 -0.56 0.00	85.88 -0.95 0.00	86.43 -0.64 0.00	78.72 0.25 0.00	99.54 0.51 0.00	74.82 -0.65 0.00	72.87 -0.90 0.00	64.62 -0.84 0.00	69.30 -1.03 0.00	74.10 -1.19 0.00	83.29 -1.39 0.00
NUMBER_THREE_WT_PWR 323818	49.13 1.60 0.00	47.44 2.58 0.00	49.73 2.61 0.00	48.23 1.50 0.00	43.50 1.24 0.00	44.81 1.26 0.00	58.11 1.73 0.00	40.27 1.10 0.00	41.26 1.07 0.00	50.57 1.10 0.00	95.34 2.25 0.00	93.80 1.96 0.00	83.22 2.03 0.00	78.61 1.89 0.00	88.91 2.07 0.00	89.00 1.93 0.00	80.44 1.96 0.00	101.68 2.65 0.00	77.21 1.74 0.00	75.43 1.65 0.00	66.88 1.43 0.00	71.76 1.42 0.00	76.55 1.25 0.00	85.96 1.28 0.00
NYISO_LBMP_REFERENCE 24008	47.54 0.00 0.00	44.87 0.00 0.00	47.12 0.00 0.00	46.73 0.00 0.00	42.27 0.00 0.00	43.55 0.00 0.00	56.37 0.00 0.00	39.17 0.00 0.00	40.19 0.00 0.00	49.48 0.00 0.00	93.09 0.00 0.00	91.83 0.00 0.00	81.19 0.00 0.00	76.72 0.00 0.00	86.84 0.00 0.00	87.07 0.00 0.00	78.47 0.00 0.00	99.03 0.00 0.00	75.46 0.00 0.00	73.77 0.00 0.00	65.45 0.00 0.00	70.34 0.00 0.00	75.30 0.00 0.00	84.68 0.00 0.00

NYPYA_BRENTWD____GT 24164	50.63 3.10 0.00	47.40 2.54 0.00	49.49 2.37 0.00	49.09 2.36 0.00	44.46 2.19 0.00	46.17 2.63 0.00	60.18 3.81 0.00	42.62 3.45 0.00	43.52 3.33 0.00	53.99 4.52 0.00	101.85 8.75 -0.01	104.69 9.10 -3.76	88.99 7.79 -0.01	83.63 6.91 0.00	94.51 7.67 0.00	94.60 7.52 0.00	86.62 7.41 -0.74	108.47 9.11 -0.33	88.93 7.53 -5.94	83.39 7.24 -2.38	71.93 6.48 0.00	76.88 6.54 0.00	82.28 6.98 0.00	92.07 7.06 -0.33
NYPYA_GOWANUS____GT5 24156	49.57 2.03 0.00	46.51 1.64 0.00	48.56 1.44 0.00	48.22 1.49 0.00	43.73 1.47 0.00	45.23 1.68 0.00	58.98 2.61 0.00	41.49 2.32 0.00	42.65 2.46 0.00	52.54 3.07 0.00	98.87 5.78 0.00	97.61 6.00 0.23	86.44 5.25 0.00	81.88 5.15 0.00	92.88 6.05 0.00	93.09 6.02 0.00	83.99 5.52 0.00	105.93 6.90 0.00	81.12 5.66 0.00	79.03 5.25 0.00	69.93 4.48 0.00	74.84 4.50 0.00	79.98 4.68 0.00	89.27 4.58 0.00
NYPYA_GOWANUS____GT6 24157	49.57 2.03 0.00	46.51 1.64 0.00	48.56 1.44 0.00	48.22 1.49 0.00	43.73 1.47 0.00	45.23 1.68 0.00	58.98 2.61 0.00	41.49 2.32 0.00	42.65 2.46 0.00	52.54 3.07 0.00	98.87 5.78 0.00	97.61 6.00 0.23	86.44 5.25 0.00	81.88 5.15 0.00	92.88 6.05 0.00	93.09 6.02 0.00	83.99 5.52 0.00	105.93 6.90 0.00	81.12 5.66 0.00	79.03 5.25 0.00	69.93 4.48 0.00	74.84 4.50 0.00	79.98 4.68 0.00	89.27 4.58 0.00
NYPYA_HARLEM__RVR__GT1 24160	49.36 1.83 0.00	46.30 1.43 0.00	48.33 1.21 0.00	47.97 1.24 0.00	43.48 1.22 0.00	44.96 1.41 0.00	58.71 2.34 0.00	41.38 2.21 0.00	42.52 2.33 0.00	52.37 2.89 0.00	98.69 5.60 0.00	97.49 5.65 0.00	86.08 4.90 0.00	81.58 4.86 0.00	92.57 5.74 0.00	92.75 5.68 0.00	83.71 5.24 0.00	105.63 6.59 0.00	80.88 5.41 0.00	78.78 5.01 0.00	69.69 4.24 0.00	74.52 4.18 0.00	79.59 4.30 0.00	88.85 4.16 0.00
NYPYA_HARLEM__RVR__GT2 24161	49.36 1.83 0.00	46.30 1.43 0.00	48.33 1.21 0.00	47.97 1.24 0.00	43.48 1.22 0.00	44.96 1.41 0.00	58.71 2.34 0.00	41.38 2.21 0.00	42.52 2.33 0.00	52.37 2.89 0.00	98.69 5.60 0.00	97.49 5.65 0.00	86.08 4.90 0.00	81.58 4.86 0.00	92.57 5.74 0.00	92.75 5.68 0.00	83.71 5.24 0.00	105.63 6.59 0.00	80.88 5.41 0.00	78.78 5.01 0.00	69.69 4.24 0.00	74.52 4.18 0.00	79.59 4.30 0.00	88.85 4.16 0.00
NYPYA_KENT____GT 24152	49.53 2.00 0.00	46.45 1.58 0.00	48.50 1.38 0.00	48.16 1.43 0.00	43.69 1.42 0.00	45.18 1.63 0.00	58.90 2.53 0.00	41.45 2.28 0.00	42.62 2.43 0.00	52.51 3.03 0.00	98.87 5.78 0.00	97.83 5.99 0.00	86.41 5.22 0.00	81.84 5.11 0.00	92.85 6.02 0.00	93.06 5.98 0.00	83.95 5.48 0.00	105.86 6.82 0.00	81.08 5.61 0.00	78.99 5.22 0.00	69.87 4.42 0.00	74.77 4.43 0.00	79.89 4.59 0.00	89.15 4.47 0.00
NYPYA_POUCH1____GT 24155	49.65 2.12 0.00	46.63 1.76 0.00	48.69 1.57 0.00	48.35 1.62 0.00	43.85 1.59 0.00	45.33 1.78 0.00	59.08 2.71 0.00	41.47 2.30 0.00	42.61 2.42 0.00	52.49 3.01 0.00	98.69 5.60 0.00	97.74 5.91 0.00	86.37 5.18 0.00	81.80 5.08 0.00	92.81 5.97 0.00	93.02 5.94 0.00	83.93 5.46 0.00	105.90 6.87 0.00	81.11 5.64 0.00	79.00 5.23 0.00	69.91 4.46 0.00	74.84 4.50 0.00	79.99 4.69 0.00	89.30 4.61 0.00
NYPYA_VERNON____GT2 24162	49.45 1.92 0.00	46.39 1.52 0.00	48.43 1.31 0.00	48.08 1.35 0.00	43.60 1.34 0.00	45.11 1.56 0.00	58.84 2.47 0.00	41.43 2.27 0.00	42.60 2.42 0.00	52.49 3.01 0.00	98.93 5.84 0.00	97.82 5.99 0.00	86.38 5.20 0.00	81.82 5.10 0.00	92.85 6.01 0.00	93.04 5.97 0.00	83.96 5.49 0.00	105.82 6.78 0.00	81.06 5.60 0.00	78.96 5.19 0.00	69.84 4.39 0.00	74.72 4.38 0.00	79.82 4.52 0.00	89.07 4.39 0.00
NYPYA_VERNON____GT3 24163	49.45 1.92 0.00	46.39 1.52 0.00	48.43 1.31 0.00	48.08 1.35 0.00	43.60 1.34 0.00	45.11 1.56 0.00	58.84 2.47 0.00	41.43 2.27 0.00	42.60 2.42 0.00	52.49 3.01 0.00	98.93 5.84 0.00	97.82 5.99 0.00	86.38 5.20 0.00	81.82 5.10 0.00	92.85 6.01 0.00	93.04 5.97 0.00	83.96 5.49 0.00	105.82 6.78 0.00	81.06 5.60 0.00	78.96 5.19 0.00	69.84 4.39 0.00	74.72 4.38 0.00	79.82 4.52 0.00	89.07 4.39 0.00
NYPYA__ASTORIA_CC1 323568	49.37 1.83 0.00	46.30 1.43 0.00	48.34 1.22 0.00	47.99 1.26 0.00	43.52 1.26 0.00	45.01 1.47 0.00	58.73 2.36 0.00	41.36 2.19 0.00	42.52 2.33 0.00	52.38 2.90 0.00	98.74 5.65 0.00	97.65 5.81 0.00	86.23 5.04 0.00	81.67 4.95 0.00	92.66 5.83 0.00	92.87 5.79 0.00	83.79 5.32 0.00	105.58 6.55 0.00	80.91 5.45 0.00	78.82 5.04 0.00	69.72 4.27 0.00	74.58 4.24 0.00	79.66 4.36 0.00	88.90 4.22 0.00
NYPYA__ASTORIA_CC2 323569	49.37 1.84 0.00	46.30 1.43 0.00	48.33 1.22 0.00	47.99 1.26 0.00	43.52 1.26 0.00	45.01 1.46 0.00	58.73 2.36 0.00	41.36 2.19 0.00	42.52 2.33 0.00	52.38 2.90 0.00	98.74 5.65 0.00	97.65 5.81 0.00	86.23 5.04 0.00	81.67 4.95 0.00	92.67 5.83 0.00	92.87 5.79 0.00	83.79 5.32 0.00	105.58 6.55 0.00	80.91 5.45 0.00	78.82 5.04 0.00	69.72 4.27 0.00	74.58 4.24 0.00	79.66 4.36 0.00	88.91 4.23 0.00
NYPYA__HOLTSVILL 23794	50.38 2.84 0.00	47.11 2.24 0.00	49.17 2.05 0.00	48.76 2.03 0.00	44.16 1.89 0.00	45.86 2.31 0.00	59.72 3.35 0.00	42.29 3.12 0.00	43.17 2.99 0.00	53.59 4.11 0.00	100.90 7.80 -0.01	103.81 8.16 -3.82	88.30 7.11 -0.01	83.25 6.53 0.00	94.19 7.35 0.00	94.52 7.45 0.00	86.23 7.03 -0.73	108.06 8.70 -0.32	88.62 7.31 -5.84	82.90 6.79 -2.33	71.38 5.93 0.00	76.32 5.98 0.00	81.77 6.47 0.00	91.54 6.54 -0.32
NYPYA__HELLGATE_GT1 24158	49.36 1.83 0.00	46.30 1.43 0.00	48.33 1.21 0.00	47.97 1.24 0.00	43.48 1.22 0.00	44.96 1.41 0.00	58.71 2.34 0.00	41.38 2.21 0.00	42.52 2.33 0.00	52.37 2.89 0.00	98.69 5.60 0.00	97.49 5.65 0.00	86.08 4.90 0.00	81.58 4.86 0.00	92.57 5.74 0.00	92.75 5.68 0.00	83.71 5.24 0.00	105.63 6.59 0.00	80.88 5.41 0.00	78.78 5.01 0.00	69.69 4.24 0.00	74.52 4.18 0.00	79.59 4.30 0.00	88.85 4.16 0.00
NYPYA__HELLGATE_GT2 24159	49.36 1.83 0.00	46.30 1.43 0.00	48.33 1.21 0.00	47.97 1.24 0.00	43.48 1.22 0.00	44.96 1.41 0.00	58.71 2.34 0.00	41.38 2.21 0.00	42.52 2.33 0.00	52.37 2.89 0.00	98.69 5.60 0.00	97.49 5.65 0.00	86.08 4.90 0.00	81.58 4.86 0.00	92.57 5.74 0.00	92.75 5.68 0.00	83.71 5.24 0.00	105.63 6.59 0.00	80.88 5.41 0.00	78.78 5.01 0.00	69.69 4.24 0.00	74.52 4.18 0.00	79.59 4.30 0.00	88.85 4.16 0.00
NYS_BARGE__HYD 23848	45.02 -2.51 0.00	42.14 -2.73 0.00	44.44 -2.68 0.00	44.01 -2.72 0.00	39.96 -2.30 0.00	40.85 -2.70 0.00	52.27 -4.10 0.00	35.73 -3.43 0.00	36.83 -3.36 0.00	44.89 -4.59 0.00	83.23 -9.86 0.00	82.12 -9.72 0.00	72.65 -8.54 0.00	68.38 -8.34 0.00	77.10 -9.73 0.00	76.69 -10.38 0.00	68.47 -9.99 0.00	86.86 -12.17 0.00	65.10 -10.36 0.00	63.20 -10.57 0.00	56.44 -9.01 0.00	61.18 -9.16 0.00	66.39 -8.91 0.00	76.03 -8.65 0.00

OAK ORCHARD___HYD 24046	45.75 -1.78 0.00	42.95 -1.92 0.00	45.21 -1.91 0.00	44.80 -1.93 0.00	40.67 -1.59 0.00	41.83 -1.71 0.00	54.03 -2.34 0.00	37.37 -1.80 0.00	38.43 -1.76 0.00	47.06 -2.42 0.00	87.88 -5.21 0.00	86.67 -5.17 0.00	76.65 -4.54 0.00	72.30 -4.42 0.00	81.75 -5.09 0.00	81.78 -5.30 0.00	73.43 -5.04 0.00	93.06 -5.97 0.00	70.23 -5.24 0.00	68.31 -5.46 0.00	60.73 -4.72 0.00	65.41 -4.93 0.00	70.46 -4.83 0.00	79.76 -4.92 0.00
OAKDALE___35_KV_LOAD 356122	47.04 -0.49 0.00	44.29 -0.58 0.00	46.47 -0.65 0.00	46.11 -0.62 0.00	41.78 -0.49 0.00	43.05 -0.50 0.00	55.88 -0.48 0.00	38.96 -0.21 0.00	39.99 -0.20 0.00	49.17 -0.30 0.00	92.46 -0.63 0.00	91.32 -0.52 0.00	80.74 -0.45 0.00	76.34 -0.38 0.00	86.56 -0.28 0.00	86.56 -0.51 0.00	77.92 -0.55 0.00	98.43 -0.60 0.00	74.74 -0.73 0.00	72.91 -0.86 0.00	64.59 -0.86 0.00	69.32 -1.02 0.00	74.15 -1.14 0.00	83.27 -1.41 0.00
OCC_CHEM___DRP 24175	43.88 -3.66 0.00	41.11 -3.76 0.00	43.37 -3.75 0.00	42.96 -3.77 0.00	39.03 -3.23 0.00	39.93 -3.62 0.00	51.10 -5.27 0.00	34.96 -4.22 0.00	36.02 -4.17 0.00	43.88 -5.60 0.00	81.20 -11.89 0.00	80.09 -11.75 0.00	70.86 -10.33 0.00	66.72 -10.01 0.00	75.39 -11.45 0.00	75.28 -11.79 0.00	67.17 -11.30 0.00	85.21 -13.82 0.00	63.83 -11.63 0.00	61.98 -11.80 0.00	55.37 -10.08 0.00	60.10 -10.24 0.00	65.31 -9.99 0.00	74.85 -9.83 0.00
OH_GEN_PROXY 24063	44.12 -3.42 0.00	41.34 -3.53 0.00	43.61 -3.51 0.00	43.19 -3.54 0.00	39.27 -2.99 0.00	40.19 -3.36 0.00	51.54 -4.83 0.00	35.32 -3.85 0.00	36.35 -3.85 0.00	44.32 -5.15 0.00	82.23 -10.85 0.00	81.14 -10.70 0.00	71.81 -9.38 0.00	67.60 -9.12 0.00	76.43 -10.41 0.00	76.31 -10.76 0.00	68.19 -10.28 0.00	86.50 -12.53 0.00	64.89 -10.57 0.00	63.02 -10.75 0.00	56.23 -9.22 0.00	60.92 -9.42 0.00	66.16 -9.13 0.00	75.60 -9.08 0.00
OLIN_CORP_DRP 24177	44.06 -3.47 0.00	41.26 -3.61 0.00	43.53 -3.59 0.00	43.12 -3.61 0.00	39.17 -3.09 0.00	40.06 -3.49 0.00	51.20 -5.17 0.00	34.92 -4.26 0.00	36.00 -4.19 0.00	43.84 -5.64 0.00	81.12 -11.97 0.00	80.02 -11.81 0.00	70.80 -10.38 0.00	66.66 -10.06 0.00	75.38 -11.45 0.00	75.33 -11.74 0.00	67.25 -11.22 0.00	85.28 -13.75 0.00	63.90 -11.56 0.00	62.05 -11.72 0.00	55.44 -10.02 0.00	60.19 -10.15 0.00	65.32 -9.98 0.00	75.00 -9.68 0.00
OLIN_CORP_DSASP 323712	43.87 -3.66 0.00	41.11 -3.76 0.00	43.37 -3.75 0.00	42.96 -3.77 0.00	39.03 -3.23 0.00	39.93 -3.62 0.00	51.10 -5.27 0.00	34.96 -4.22 0.00	36.02 -4.17 0.00	43.86 -5.62 0.00	81.21 -11.88 0.00	80.10 -11.73 0.00	70.86 -10.33 0.00	66.72 -10.00 0.00	75.39 -11.45 0.00	75.27 -11.81 0.00	67.17 -11.30 0.00	85.19 -13.84 0.00	63.83 -11.63 0.00	61.98 -11.79 0.00	55.38 -10.07 0.00	60.09 -10.24 0.00	65.31 -9.99 0.00	74.85 -9.83 0.00
ONEIDA_HERK_LFGE 323681	48.96 1.42 0.00	46.65 1.78 0.00	48.92 1.80 0.00	48.07 1.34 0.00	43.43 1.17 0.00	44.81 1.27 0.00	58.22 1.85 0.00	40.49 1.32 0.00	41.55 1.36 0.00	51.04 1.56 0.00	96.06 2.97 0.00	94.63 2.80 0.00	83.85 2.67 0.00	79.23 2.51 0.00	89.67 2.83 0.00	89.80 2.73 0.00	81.01 2.54 0.00	102.31 3.28 0.00	77.81 2.34 0.00	75.98 2.21 0.00	67.36 1.91 0.00	72.24 1.90 0.00	77.12 1.82 0.00	86.57 1.89 0.00
ONEIDA___115KV_TB4 55905	48.80 1.26 0.00	46.18 1.31 0.00	48.44 1.32 0.00	47.94 1.21 0.00	43.40 1.13 0.00	44.83 1.28 0.00	58.30 1.93 0.00	40.63 1.47 0.00	41.73 1.54 0.00	51.31 1.84 0.00	96.56 3.47 0.00	95.30 3.47 0.00	84.27 3.09 0.00	79.65 2.93 0.00	90.18 3.34 0.00	90.30 3.23 0.00	81.40 2.93 0.00	102.57 3.54 0.00	77.93 2.47 0.00	76.08 2.31 0.00	67.39 1.94 0.00	72.22 1.88 0.00	77.10 1.80 0.00	86.50 1.82 0.00
ONONDAGA_REF_OCCRA 23987	46.86 -0.68 0.00	44.15 -0.72 0.00	46.35 -0.77 0.00	45.97 -0.76 0.00	41.61 -0.65 0.00	42.94 -0.61 0.00	55.76 -0.61 0.00	38.84 -0.33 0.00	39.88 -0.31 0.00	49.03 -0.44 0.00	92.14 -0.94 0.00	90.93 -0.91 0.00	80.38 -0.81 0.00	75.97 -0.75 0.00	86.03 -0.81 0.00	86.17 -0.90 0.00	77.81 -0.66 0.00	98.30 -0.74 0.00	74.53 -0.94 0.00	72.72 -1.05 0.00	64.45 -1.00 0.00	69.15 -1.19 0.00	73.94 -1.36 0.00	83.12 -1.57 0.00
ONONDAGA___COGEN 23986	46.71 -0.83 0.00	44.02 -0.85 0.00	46.21 -0.91 0.00	45.82 -0.91 0.00	41.48 -0.79 0.00	42.82 -0.73 0.00	55.56 -0.81 0.00	38.66 -0.51 0.00	39.68 -0.51 0.00	48.78 -0.69 0.00	91.71 -1.38 0.00	90.52 -1.31 0.00	79.98 -1.20 0.00	75.61 -1.11 0.00	85.55 -1.29 0.00	85.78 -1.30 0.00	77.89 -0.58 0.00	98.43 -0.60 0.00	74.41 -1.05 0.00	72.58 -1.19 0.00	64.30 -1.15 0.00	68.96 -1.38 0.00	73.78 -1.51 0.00	82.94 -1.75 0.00
ONTARIO___LFGE 23819	46.81 -0.72 0.00	43.95 -0.92 0.00	46.03 -1.09 0.00	45.65 -1.08 0.00	41.59 -0.67 0.00	42.83 -0.72 0.00	55.51 -0.86 0.00	38.75 -0.42 0.00	39.82 -0.37 0.00	48.74 -0.74 0.00	91.27 -1.82 0.00	90.16 -1.67 0.00	79.77 -1.41 0.00	75.33 -1.39 0.00	85.32 -1.52 0.00	85.37 -1.70 0.00	76.89 -1.59 0.00	97.15 -1.88 0.00	73.55 -1.91 0.00	71.61 -2.16 0.00	63.41 -2.04 0.00	68.01 -2.34 0.00	72.82 -2.48 0.00	81.83 -2.86 0.00
ORANGEVILLE_WT_PWR 323706	45.50 -2.04 0.00	42.60 -2.27 0.00	44.69 -2.43 0.00	44.25 -2.48 0.00	40.26 -2.00 0.00	41.27 -2.28 0.00	53.15 -3.22 0.00	36.64 -2.53 0.00	37.69 -2.50 0.00	46.15 -3.33 0.00	86.06 -7.03 0.00	85.00 -6.84 0.00	75.40 -5.79 0.00	71.10 -5.62 0.00	80.48 -6.35 0.00	80.32 -6.76 0.00	71.85 -6.62 0.00	90.94 -8.09 0.00	68.14 -7.33 0.00	66.09 -7.68 0.00	58.82 -6.63 0.00	63.59 -6.75 0.00	68.56 -6.74 0.00	77.94 -6.74 0.00
ORANGEVILLE___ESR 323794	45.50 -2.04 0.00	42.60 -2.27 0.00	44.69 -2.43 0.00	44.25 -2.48 0.00	40.26 -2.00 0.00	41.27 -2.28 0.00	53.15 -3.22 0.00	36.64 -2.53 0.00	37.69 -2.50 0.00	46.15 -3.33 0.00	86.06 -7.03 0.00	85.00 -6.84 0.00	75.40 -5.79 0.00	71.10 -5.62 0.00	80.48 -6.35 0.00	80.32 -6.76 0.00	71.85 -6.62 0.00	90.94 -8.09 0.00	68.14 -7.33 0.00	66.09 -7.68 0.00	58.82 -6.63 0.00	63.59 -6.75 0.00	68.56 -6.74 0.00	77.94 -6.74 0.00
OSWEGATCHIE___HYD 24044	49.36 1.82 0.00	49.21 4.34 0.00	51.57 4.45 0.00	48.49 1.76 0.00	43.47 1.21 0.00	44.42 0.87 0.00	56.98 0.61 0.00	39.20 0.04 0.00	40.16 -0.03 0.00	49.12 -0.35 0.00	92.57 -0.52 0.00	90.73 -1.11 0.00	80.99 -0.19 0.00	76.38 -0.34 0.00	86.32 -0.52 0.00	86.55 -0.53 0.00	78.16 -0.31 0.00	98.78 -0.26 0.00	75.13 -0.33 0.00	73.45 -0.32 0.00	65.18 -0.27 0.00	70.39 0.05 0.00	75.40 0.10 0.00	84.83 0.15 0.00
OSWEGO___5 23606	45.95 -1.59 0.00	43.32 -1.55 0.00	45.50 -1.62 0.00	45.10 -1.63 0.00	40.83 -1.43 0.00	42.09 -1.46 0.00	54.54 -1.83 0.00	37.93 -1.24 0.00	38.93 -1.26 0.00	47.86 -1.62 0.00	89.95 -3.14 0.00	88.74 -3.09 0.00	78.42 -2.76 0.00	74.16 -2.56 0.00	83.94 -2.90 0.00	84.12 -2.96 0.00	75.70 -2.78 0.00	95.65 -3.39 0.00	72.89 -2.57 0.00	71.15 -2.62 0.00	63.09 -2.36 0.00	67.75 -2.60 0.00	72.56 -2.74 0.00	81.62 -3.07 0.00

OSWEGO___6 23613	45.95 -1.59 0.00	43.32 -1.55 0.00	45.50 -1.62 0.00	45.10 -1.63 0.00	40.83 -1.43 0.00	42.09 -1.46 0.00	54.54 -1.83 0.00	37.93 -1.24 0.00	38.93 -1.26 0.00	47.86 -1.62 0.00	89.95 -3.14 0.00	88.74 -3.09 0.00	78.42 -2.76 0.00	74.16 -2.56 0.00	83.94 -2.90 0.00	84.12 -2.96 0.00	75.70 -2.78 0.00	95.65 -3.39 0.00	72.89 -2.57 0.00	71.15 -2.62 0.00	63.09 -2.36 0.00	67.75 -2.60 0.00	72.56 -2.74 0.00	81.62 -3.07 0.00
OUTOKUMPU-AB___DRP 24206	45.18 -2.36 0.00	42.31 -2.56 0.00	44.57 -2.55 0.00	44.13 -2.60 0.00	40.10 -2.16 0.00	41.05 -2.49 0.00	52.64 -3.73 0.00	36.06 -3.11 0.00	37.17 -3.02 0.00	45.32 -4.15 0.00	84.03 -9.06 0.00	82.93 -8.91 0.00	73.36 -7.83 0.00	69.04 -7.68 0.00	78.01 -8.83 0.00	77.74 -9.33 0.00	69.43 -9.04 0.00	88.10 -10.93 0.00	66.05 -9.42 0.00	64.07 -9.70 0.00	57.21 -8.24 0.00	62.00 -8.34 0.00	67.27 -8.03 0.00	76.89 -7.79 0.00
OXBOW___BTM 323836	44.62 -2.91 0.00	41.78 -3.09 0.00	44.07 -3.05 0.00	43.63 -3.10 0.00	39.65 -2.61 0.00	40.58 -2.97 0.00	52.00 -4.37 0.00	35.59 -3.58 0.00	36.69 -3.50 0.00	44.71 -4.77 0.00	82.86 -10.23 0.00	81.74 -10.09 0.00	72.30 -8.88 0.00	68.06 -8.66 0.00	76.89 -9.94 0.00	76.70 -10.38 0.00	68.47 -9.99 0.00	86.91 -12.12 0.00	65.10 -10.36 0.00	63.21 -10.56 0.00	56.44 -9.01 0.00	61.21 -9.13 0.00	66.47 -8.83 0.00	76.05 -8.64 0.00
OXBOW____ 24026	44.62 -2.92 0.00	41.78 -3.08 0.00	44.07 -3.05 0.00	43.63 -3.10 0.00	39.65 -2.61 0.00	40.58 -2.97 0.00	51.99 -4.38 0.00	35.60 -3.57 0.00	36.69 -3.50 0.00	44.72 -4.76 0.00	82.87 -10.22 0.00	81.73 -10.10 0.00	72.29 -8.90 0.00	68.05 -8.67 0.00	76.90 -9.94 0.00	76.70 -10.38 0.00	68.48 -9.99 0.00	86.92 -12.11 0.00	65.12 -10.34 0.00	63.21 -10.56 0.00	56.43 -9.03 0.00	61.21 -9.13 0.00	66.47 -8.83 0.00	76.04 -8.64 0.00
OXY_CHEM_DSASP 323612	43.88 -3.66 0.00	41.11 -3.76 0.00	43.37 -3.75 0.00	42.96 -3.77 0.00	39.03 -3.23 0.00	39.93 -3.62 0.00	51.10 -5.27 0.00	34.96 -4.22 0.00	36.02 -4.17 0.00	43.88 -5.60 0.00	81.20 -11.89 0.00	80.09 -11.75 0.00	70.86 -10.33 0.00	66.72 -10.01 0.00	75.39 -11.45 0.00	75.28 -11.79 0.00	67.17 -11.30 0.00	85.21 -13.82 0.00	63.83 -11.63 0.00	61.98 -11.80 0.00	55.37 -10.08 0.00	60.10 -10.24 0.00	65.31 -9.99 0.00	74.85 -9.83 0.00
OZONE_PARK_ESR 323760	49.83 2.29 0.00	46.71 1.85 0.00	48.78 1.66 0.00	48.42 1.70 0.00	43.93 1.66 0.00	45.45 1.90 0.00	59.31 2.94 0.00	41.82 2.65 0.00	43.00 2.81 0.00	52.99 3.51 0.00	99.78 6.69 0.00	98.68 6.85 0.00	87.14 5.96 0.00	82.52 5.80 0.00	93.63 6.80 0.00	93.84 6.77 0.00	84.72 6.25 0.00	106.87 7.84 0.00	81.80 6.34 0.00	79.67 5.90 0.00	70.49 5.04 0.00	75.44 5.10 0.00	80.57 5.27 0.00	89.87 5.19 0.00
PACKARD_I15_KV_ADAMS_187_REV_LBMP_A 345013	43.88 -3.66 0.00	41.11 -3.76 0.00	43.37 -3.75 0.00	42.96 -3.77 0.00	39.03 -3.23 0.00	39.93 -3.62 0.00	51.10 -5.27 0.00	34.96 -4.22 0.00	36.02 -4.17 0.00	43.88 -5.60 0.00	81.20 -11.89 0.00	80.09 -11.75 0.00	70.86 -10.33 0.00	66.72 -10.01 0.00	75.39 -11.45 0.00	75.28 -11.79 0.00	67.17 -11.30 0.00	85.21 -13.82 0.00	63.83 -11.63 0.00	61.98 -11.80 0.00	55.37 -10.08 0.00	60.10 -10.24 0.00	65.31 -9.99 0.00	74.85 -9.83 0.00
PACKARD___115KV_DUPONT_184 80571	43.88 -3.66 0.00	41.11 -3.76 0.00	43.37 -3.75 0.00	42.96 -3.77 0.00	39.03 -3.23 0.00	39.93 -3.62 0.00	51.10 -5.27 0.00	34.96 -4.22 0.00	36.02 -4.17 0.00	43.88 -5.60 0.00	81.20 -11.89 0.00	80.09 -11.75 0.00	70.86 -10.33 0.00	66.72 -10.01 0.00	75.39 -11.45 0.00	75.28 -11.79 0.00	67.17 -11.30 0.00	85.21 -13.82 0.00	63.83 -11.63 0.00	61.98 -11.80 0.00	55.37 -10.08 0.00	60.10 -10.24 0.00	65.31 -9.99 0.00	74.85 -9.83 0.00
PARKCHTR_138_KV_TB2S_REV_LBMP_J 345007	49.34 1.80 0.00	46.30 1.43 0.00	48.33 1.21 0.00	47.99 1.26 0.00	43.50 1.23 0.00	44.99 1.44 0.00	58.72 2.34 0.00	41.38 2.21 0.00	42.51 2.32 0.00	52.34 2.87 0.00	98.64 5.55 0.00	97.38 5.54 0.00	85.98 4.79 0.00	81.48 4.76 0.00	92.47 5.63 0.00	92.66 5.59 0.00	83.61 5.14 0.00	105.48 6.45 0.00	80.78 5.32 0.00	78.69 4.91 0.00	69.60 4.15 0.00	74.46 4.12 0.00	79.52 4.23 0.00	88.78 4.10 0.00
PARKCHTR_13_KV_CPCTY_REV_LBMP_J 345019	49.37 1.83 0.00	46.31 1.44 0.00	48.36 1.24 0.00	48.02 1.29 0.00	43.52 1.26 0.00	45.11 1.56 0.00	58.87 2.50 0.00	41.50 2.33 0.00	42.64 2.45 0.00	52.54 3.07 0.00	99.02 5.93 0.00	97.47 5.64 0.00	85.98 4.79 0.00	81.64 4.92 0.00	92.67 5.83 0.00	92.92 5.84 0.00	83.83 5.36 0.00	105.77 6.73 0.00	80.97 5.50 0.00	78.84 5.06 0.00	69.73 4.28 0.00	74.60 4.26 0.00	79.64 4.34 0.00	88.99 4.31 0.00
PATROON___115KV_TB1 80586	48.55 1.02 0.00	45.78 0.92 0.00	48.03 0.91 0.00	47.66 0.93 0.00	43.11 0.84 0.00	44.51 0.96 0.00	57.82 1.45 0.00	40.48 1.31 0.00	41.47 1.28 0.00	51.21 1.74 0.00	96.77 3.68 0.00	95.40 3.57 0.00	84.26 3.07 0.00	79.76 3.04 0.00	90.50 3.67 0.00	90.74 3.66 0.00	81.90 3.42 0.00	103.35 4.32 0.00	78.82 3.36 0.00	76.93 3.15 0.00	68.09 2.64 0.00	72.93 2.60 0.00	77.98 2.68 0.00	87.66 2.98 0.00
PATTRSNVILLE___SOLAR 323815	49.11 1.57 0.00	46.33 1.46 0.00	48.63 1.51 0.00	48.23 1.50 0.00	43.59 1.32 0.00	44.99 1.44 0.00	58.42 2.04 0.00	40.77 1.60 0.00	41.84 1.65 0.00	51.45 1.98 0.00	96.58 3.50 0.00	95.31 3.48 0.00	84.27 3.09 0.00	79.90 3.18 0.00	90.49 3.65 0.00	90.73 3.66 0.00	81.86 3.39 0.00	103.44 4.41 0.00	78.78 3.32 0.00	76.99 3.22 0.00	68.20 2.75 0.00	73.14 2.81 0.00	78.22 2.93 0.00	87.78 3.10 0.00
PAVMNTRD_I15_KV_BK1_REV_LBMP_A 345030	45.83 -1.71 0.00	42.91 -1.96 0.00	45.20 -1.92 0.00	44.78 -1.95 0.00	40.74 -1.53 0.00	41.78 -1.77 0.00	53.69 -2.68 0.00	36.90 -2.27 0.00	37.94 -2.25 0.00	46.36 -3.11 0.00	86.29 -6.80 0.00	85.21 -6.62 0.00	75.53 -5.65 0.00	71.10 -5.63 0.00	80.50 -6.33 0.00	80.15 -6.92 0.00	71.60 -6.87 0.00	90.93 -8.10 0.00	68.29 -7.18 0.00	66.31 -7.46 0.00	59.10 -6.35 0.00	63.94 -6.40 0.00	69.28 -6.02 0.00	78.75 -5.93 0.00
PAWLING_I15_KV_BK3_REV_LBMP_H 345028	49.88 2.35 0.00	46.81 1.94 0.00	48.90 1.78 0.00	48.56 1.83 0.00	44.03 1.77 0.00	45.57 2.02 0.00	59.42 3.05 0.00	41.84 2.67 0.00	42.99 2.80 0.00	52.99 3.51 0.00	99.79 6.70 0.00	98.69 6.86 0.00	87.15 5.96 0.00	82.56 5.84 0.00	93.67 6.84 0.00	93.90 6.82 0.00	84.81 6.33 0.00	107.12 8.08 0.00	81.90 6.44 0.00	79.87 6.10 0.00	70.65 5.20 0.00	75.58 5.24 0.00	80.66 5.37 0.00	90.06 5.38 0.00
PEEKSKILL____ 23653	49.12 1.59 0.00	46.11 1.24 0.00	48.19 1.07 0.00	47.85 1.12 0.00	43.39 1.13 0.00	44.87 1.32 0.00	58.41 2.04 0.00	41.11 1.94 0.00	42.23 2.03 0.00	52.02 2.54 0.00	97.93 4.84 0.00	96.84 5.01 0.00	85.53 4.35 0.00	80.98 4.26 0.00	91.89 5.06 0.00	92.08 5.01 0.00	83.13 4.67 0.00	104.90 5.87 0.00	80.29 4.83 0.00	78.27 4.49 0.00	69.28 3.82 0.00	74.15 3.81 0.00	79.18 3.89 0.00	88.49 3.81 0.00

PGE MADISON___WINDPWR 24146	51.57 4.04 0.00	48.43 3.56 0.00	50.82 3.70 0.00	50.41 3.68 0.00	45.65 3.39 0.00	47.27 3.72 0.00	62.12 5.75 0.00	46.70 7.53 0.00	47.82 7.63 0.00	57.95 8.47 0.00	102.59 9.50 0.00	101.59 9.75 0.00	90.03 8.84 0.00	85.07 8.35 0.00	96.35 9.51 0.00	96.63 9.56 0.00	87.36 8.88 0.00	110.56 11.53 0.00	83.80 8.33 0.00	81.75 7.97 0.00	72.25 6.80 0.00	77.09 6.75 0.00	81.84 6.54 0.00	91.00 6.32 0.00
PIERCEFIELD___HYD 23852	50.32 2.79 0.00	51.46 6.59 0.00	53.94 6.81 0.00	49.51 2.78 0.00	44.13 1.86 0.00	44.75 1.21 0.00	56.88 0.50 0.00	38.90 -0.27 0.00	39.84 -0.35 0.00	48.70 -0.78 0.00	91.59 -1.50 0.00	89.67 -2.16 0.00	80.53 -0.65 0.00	75.78 -0.94 0.00	85.58 -1.26 0.00	85.92 -1.16 0.00	77.55 -0.92 0.00	97.84 -1.19 0.00	74.55 -0.91 0.00	72.96 -0.81 0.00	64.85 -0.60 0.00	70.42 0.07 0.00	75.72 0.42 0.00	85.36 0.68 0.00
PINELAWN_CC_1 323563	50.33 2.79 0.00	47.10 2.23 0.00	49.16 2.04 0.00	48.76 2.03 0.00	44.17 1.91 0.00	45.85 2.31 0.00	59.73 3.36 0.00	42.29 3.12 0.00	43.23 3.04 0.00	53.59 4.11 0.00	101.07 7.98 -0.01	103.51 8.21 -3.47	88.15 6.95 -0.01	83.09 6.37 0.00	94.11 7.27 0.00	94.41 7.34 0.00	86.16 6.89 -0.80	108.00 8.61 -0.35	88.94 7.10 -6.38	83.05 6.70 -2.58	71.27 5.82 0.00	76.22 5.88 0.00	81.50 6.20 0.00	91.27 6.24 -0.35
PJM_GEN_HTP_PROXY 323702	49.42 1.89 0.00	46.35 1.48 0.00	48.40 1.29 0.00	48.06 1.34 0.00	43.59 1.33 0.00	45.09 1.55 0.00	58.84 2.47 0.00	41.46 2.29 0.00	42.65 2.46 0.00	52.59 3.11 0.00	99.04 5.95 0.00	97.97 6.14 0.00	86.53 5.34 0.00	81.91 5.19 0.00	92.96 6.12 0.00	93.16 6.08 0.00	84.10 5.62 0.00	106.00 6.96 0.00	81.12 5.65 0.00	79.00 5.23 0.00	69.88 4.42 0.00	74.77 4.43 0.00	79.87 4.57 0.00	89.11 4.43 0.00
PJM_GEN_KEystone 24065	46.78 -0.76 0.00	43.90 -0.97 0.00	46.02 -1.10 0.00	45.69 -1.04 0.00	41.52 -0.74 0.00	42.76 -0.78 0.00	55.41 -0.96 0.00	38.67 -0.51 0.00	39.66 -0.53 0.00	48.72 -0.75 0.00	84.60 -1.68 6.82	70.70 -1.48 19.66	58.56 -1.28 21.35	35.57 -1.17 39.98	46.81 -1.10 38.93	38.87 -1.40 46.80	67.64 -1.52 9.31	97.48 -1.55 0.00	74.22 -1.24 0.00	69.98 -1.51 2.29	52.37 -1.37 11.71	60.28 -1.48 8.59	50.41 -1.40 23.49	39.74 -1.76 43.18
PJM_GEN_NEPTUNE_PROXY 323594	49.73 2.19 0.00	46.55 1.68 0.00	48.60 1.48 0.00	48.23 1.50 0.00	43.69 1.43 0.00	45.30 1.76 0.00	58.96 2.59 0.00	41.67 2.50 0.00	42.63 2.44 0.00	52.82 3.34 0.00	99.56 6.47 0.00	99.50 6.71 -0.95	86.88 5.69 0.00	82.01 5.29 0.00	92.98 6.14 0.00	93.22 6.15 0.00	84.85 5.70 -0.68	106.44 7.11 -0.30	86.63 5.55 -5.20	81.50 5.55 -2.18	70.27 4.81 0.00	75.14 4.80 0.00	80.35 5.06 0.00	90.03 5.06 -0.30
PJM_GEN_VFT_PROXY 323633	49.08 1.55 0.00	46.02 1.15 0.00	48.06 0.95 0.00	47.74 1.01 0.00	43.30 1.03 0.00	44.77 1.22 0.00	58.36 1.99 0.00	41.16 1.99 0.00	42.31 2.12 0.00	52.12 2.65 0.00	98.15 5.06 0.00	97.01 5.18 0.00	85.67 4.49 0.00	81.14 4.42 0.00	92.07 5.23 0.00	92.28 5.21 0.00	83.29 4.82 0.00	105.04 6.01 0.00	80.43 4.96 0.00	78.34 4.57 0.00	69.30 3.85 0.00	74.19 3.85 0.00	79.23 3.93 0.00	88.45 3.77 0.00
PLATSBURG_115KV_PMLD1 355749	48.88 1.35 0.00	46.31 1.44 0.00	48.83 1.71 0.00	48.24 1.51 0.00	43.66 1.40 0.00	44.83 1.28 0.00	57.69 1.31 0.00	40.01 0.84 0.00	40.94 0.75 0.00	50.42 0.95 0.00	94.70 1.61 0.00	93.36 1.53 0.00	83.04 1.85 0.00	78.06 1.34 0.00	88.65 1.82 0.00	88.31 1.23 0.00	80.00 1.52 0.00	100.44 1.41 0.00	76.82 1.36 0.00	75.36 1.59 0.00	66.82 1.37 0.00	72.14 1.80 0.00	77.33 2.03 0.00	87.14 2.46 0.00
PLEASANTVLY___LBMP 24000	49.10 1.56 0.00	46.11 1.25 0.00	48.21 1.09 0.00	47.87 1.14 0.00	43.38 1.12 0.00	44.85 1.30 0.00	58.38 2.00 0.00	41.04 1.87 0.00	42.16 1.97 0.00	51.96 2.49 0.00	97.87 4.78 0.00	96.82 4.99 0.00	85.50 4.32 0.00	80.97 4.25 0.00	91.85 5.02 0.00	92.06 4.99 0.00	83.10 4.63 0.00	104.85 5.82 0.00	80.21 4.75 0.00	78.27 4.49 0.00	69.28 3.83 0.00	74.18 3.84 0.00	79.26 3.96 0.00	88.60 3.92 0.00
PLSNTVLE_13_KV_13.8KVDIST 80602	49.35 1.81 0.00	46.32 1.45 0.00	48.40 1.28 0.00	48.05 1.32 0.00	43.56 1.30 0.00	45.05 1.50 0.00	58.68 2.31 0.00	41.30 2.13 0.00	42.44 2.25 0.00	52.30 2.83 0.00	98.50 5.41 0.00	97.45 5.62 0.00	86.05 4.86 0.00	81.48 4.76 0.00	92.44 5.60 0.00	92.64 5.56 0.00	83.63 5.16 0.00	105.56 6.53 0.00	80.74 5.28 0.00	78.74 4.97 0.00	69.71 4.25 0.00	74.60 4.25 0.00	79.66 4.37 0.00	88.99 4.31 0.00
PLSNTVLE_13_KV_13KVDISA_REV_LBMP_I 345020	49.35 1.81 0.00	46.32 1.45 0.00	48.40 1.28 0.00	48.05 1.32 0.00	43.56 1.30 0.00	45.05 1.50 0.00	58.68 2.31 0.00	41.30 2.13 0.00	42.44 2.25 0.00	52.30 2.83 0.00	98.50 5.41 0.00	97.45 5.62 0.00	86.05 4.86 0.00	81.48 4.76 0.00	92.44 5.60 0.00	92.64 5.56 0.00	83.63 5.16 0.00	105.56 6.53 0.00	80.74 5.28 0.00	78.74 4.97 0.00	69.71 4.25 0.00	74.60 4.25 0.00	79.66 4.37 0.00	88.99 4.31 0.00
PLSTVYCH_69_KV_RQ-3_RG2_REV_LBMP_G 345023	49.67 2.14 0.00	46.63 1.77 0.00	48.72 1.61 0.00	48.38 1.65 0.00	43.86 1.59 0.00	45.38 1.83 0.00	59.15 2.78 0.00	41.62 2.46 0.00	42.77 2.58 0.00	52.72 3.24 0.00	99.33 6.24 0.00	98.30 6.47 0.00	86.81 5.62 0.00	82.20 5.48 0.00	93.28 6.44 0.00	93.49 6.41 0.00	84.41 5.94 0.00	106.60 7.57 0.00	81.51 6.05 0.00	79.52 5.75 0.00	70.38 4.93 0.00	75.30 4.96 0.00	80.37 5.07 0.00	89.77 5.09 0.00
POLETTI___ 23519	49.17 1.64 0.00	46.11 1.25 0.00	48.17 1.05 0.00	47.82 1.09 0.00	43.37 1.10 0.00	44.86 1.32 0.00	58.50 2.13 0.00	41.22 2.05 0.00	42.38 2.19 0.00	52.22 2.74 0.00	98.37 5.28 0.00	97.31 5.47 0.00	85.86 4.67 0.00	81.30 4.58 0.00	92.25 5.41 0.00	92.46 5.39 0.00	83.47 4.99 0.00	105.22 6.19 0.00	80.59 5.12 0.00	78.48 4.71 0.00	69.45 3.99 0.00	74.41 4.07 0.00	79.57 4.27 0.00	88.82 4.14 0.00
POMONA___ESR 323819	48.96 1.42 0.00	45.96 1.09 0.00	48.04 0.92 0.00	47.71 0.98 0.00	43.28 1.01 0.00	44.72 1.18 0.00	58.19 1.81 0.00	40.95 1.78 0.00	42.05 1.86 0.00	51.81 2.34 0.00	97.45 4.36 0.00	96.34 4.51 0.00	85.10 3.91 0.00	80.59 3.87 0.00	91.45 4.61 0.00	91.61 4.54 0.00	82.71 4.24 0.00	104.40 5.37 0.00	79.89 4.42 0.00	77.88 4.11 0.00	68.95 3.50 0.00	73.82 3.48 0.00	78.82 3.52 0.00	88.10 3.42 0.00
PORT_JEFF_3 23555	50.58 3.04 0.00	47.29 2.42 0.00	49.36 2.24 0.00	48.94 2.21 0.00	44.30 2.04 0.00	46.02 2.48 0.00	59.96 3.59 0.00	42.47 3.30 0.00	43.36 3.17 0.00	53.82 4.35 0.00	101.36 8.26 -0.01	104.29 8.64 -3.81	88.72 7.52 -0.01	83.65 6.93 0.00	94.61 7.77 0.00	94.97 7.90 0.00	86.66 7.46 -0.73	108.64 9.29 -0.32	89.07 7.75 -5.86	83.31 7.20 -2.34	71.74 6.28 0.00	76.69 6.35 0.00	82.10 6.80 0.00	91.86 6.86 -0.32

PORT_JEFF_4 23616	50.58 3.04 0.00	47.29 2.42 0.00	49.36 2.24 0.00	48.94 2.21 0.00	44.30 2.04 0.00	46.02 2.48 0.00	59.96 3.59 0.00	42.47 3.30 0.00	43.36 3.17 0.00	53.82 4.35 0.00	101.36 8.26 -0.01	104.29 8.64 -3.81	88.72 7.52 -0.01	83.65 6.93 0.00	94.61 7.77 0.00	94.97 7.90 0.00	86.66 7.46 -0.73	108.64 9.29 -0.32	89.07 7.75 -5.86	83.31 7.20 -2.34	71.74 6.28 0.00	76.69 6.35 0.00	82.10 6.80 0.00	91.86 6.86 -0.32
PORT_JEFF_IC 23713	50.61 3.07 0.00	47.30 2.43 0.00	49.36 2.24 0.00	48.95 2.22 0.00	44.32 2.06 0.00	46.05 2.50 0.00	59.99 3.62 0.00	42.50 3.33 0.00	43.39 3.21 0.00	53.87 4.40 0.00	101.45 8.36 -0.01	104.37 8.73 -3.80	88.81 7.62 -0.01	83.76 7.04 0.00	94.71 7.88 0.00	95.10 8.02 0.00	86.76 7.56 -0.73	108.81 9.46 -0.32	89.19 7.85 -5.87	83.41 7.29 -2.35	71.82 6.37 0.00	76.77 6.43 0.00	82.18 6.88 0.00	91.94 6.93 -0.32
PPL PILGRIM_ST_GT1 24216	50.63 3.10 0.00	47.40 2.54 0.00	49.49 2.37 0.00	49.09 2.36 0.00	44.46 2.19 0.00	46.17 2.63 0.00	60.18 3.81 0.00	42.62 3.45 0.00	43.52 3.33 0.00	53.99 4.52 0.00	101.85 8.75 -0.01	104.69 9.10 -3.76	88.99 7.79 -0.01	83.63 6.91 0.00	94.51 7.67 0.00	94.60 7.52 0.00	86.62 7.41 -0.74	108.47 9.11 -0.33	88.93 7.53 -5.94	83.39 7.24 -2.38	71.93 6.48 0.00	76.88 6.54 0.00	82.28 6.98 0.00	92.07 7.06 -0.33
PPL PILGRIM_ST_GT2 24217	50.63 3.10 0.00	47.40 2.54 0.00	49.49 2.37 0.00	49.09 2.36 0.00	44.46 2.19 0.00	46.17 2.63 0.00	60.18 3.81 0.00	42.62 3.45 0.00	43.52 3.33 0.00	53.99 4.52 0.00	101.85 8.75 -0.01	104.69 9.10 -3.76	88.99 7.79 -0.01	83.63 6.91 0.00	94.51 7.67 0.00	94.60 7.52 0.00	86.62 7.41 -0.74	108.47 9.11 -0.33	88.93 7.53 -5.94	83.39 7.24 -2.38	71.93 6.48 0.00	76.88 6.54 0.00	82.28 6.98 0.00	92.07 7.06 -0.33
PPL_SHRM_GT3 24213	50.91 3.37 0.00	47.56 2.70 0.00	49.63 2.51 0.00	49.18 2.45 0.00	44.47 2.21 0.00	46.24 2.69 0.00	60.23 3.86 0.00	42.68 3.51 0.00	43.55 3.36 0.00	54.05 4.57 0.00	101.29 8.19 -0.01	104.17 8.52 -3.81	89.03 7.84 -0.01	83.99 7.27 0.00	94.90 8.07 0.00	95.37 8.29 0.00	87.09 7.88 -0.73	109.32 9.97 -0.32	89.57 8.25 -5.86	83.79 7.68 -2.34	72.11 6.66 0.00	77.05 6.71 0.00	82.49 7.19 0.00	92.19 7.19 -0.32
PPL_SHRM_GT4 24214	50.91 3.37 0.00	47.56 2.70 0.00	49.63 2.51 0.00	49.18 2.45 0.00	44.47 2.21 0.00	46.24 2.69 0.00	60.23 3.86 0.00	42.68 3.51 0.00	43.55 3.36 0.00	54.05 4.57 0.00	101.29 8.19 -0.01	104.17 8.52 -3.81	89.03 7.84 -0.01	83.99 7.27 0.00	94.90 8.07 0.00	95.37 8.29 0.00	87.09 7.88 -0.73	109.32 9.97 -0.32	89.57 8.25 -5.86	83.79 7.68 -2.34	72.11 6.66 0.00	77.05 6.71 0.00	82.49 7.19 0.00	92.19 7.19 -0.32
PROJECT___ORANGE 1 24174	46.52 -1.02 0.00	43.84 -1.03 0.00	46.02 -1.10 0.00	45.64 -1.09 0.00	41.32 -0.95 0.00	42.63 -0.91 0.00	55.33 -1.05 0.00	38.54 -0.63 0.00	39.58 -0.61 0.00	48.66 -0.82 0.00	91.42 -1.67 0.00	90.18 -1.65 0.00	79.73 -1.45 0.00	75.36 -1.36 0.00	85.34 -1.49 0.00	85.48 -1.59 0.00	77.09 -1.38 0.00	97.39 -1.65 0.00	73.87 -1.59 0.00	72.07 -1.70 0.00	63.88 -1.57 0.00	68.54 -1.80 0.00	73.35 -1.95 0.00	82.47 -2.21 0.00
PROJECT___ORANGE 2 24166	46.52 -1.02 0.00	43.84 -1.03 0.00	46.02 -1.10 0.00	45.64 -1.09 0.00	41.32 -0.95 0.00	42.63 -0.91 0.00	55.33 -1.05 0.00	38.54 -0.63 0.00	39.58 -0.61 0.00	48.66 -0.82 0.00	91.42 -1.67 0.00	90.18 -1.65 0.00	79.73 -1.45 0.00	75.36 -1.36 0.00	85.34 -1.49 0.00	85.48 -1.59 0.00	77.09 -1.38 0.00	97.39 -1.65 0.00	73.87 -1.59 0.00	72.07 -1.70 0.00	63.88 -1.57 0.00	68.54 -1.80 0.00	73.35 -1.95 0.00	82.47 -2.21 0.00
PUCKETT___SOLAR 323809	48.12 0.59 0.00	45.28 0.40 0.00	47.50 0.38 0.00	47.11 0.38 0.00	42.65 0.39 0.00	43.98 0.44 0.00	57.22 0.85 0.00	40.32 1.15 0.00	41.39 1.20 0.00	50.79 1.31 0.00	94.81 1.72 0.00	93.68 1.85 0.00	82.95 1.77 0.00	78.42 1.70 0.00	88.88 2.05 0.00	88.97 1.90 0.00	80.16 1.69 0.00	101.32 2.29 0.00	76.93 1.46 0.00	75.06 1.29 0.00	66.44 0.99 0.00	71.19 0.84 0.00	76.01 0.72 0.00	85.13 0.45 0.00
PYRITES___HYD 24023	51.66 4.13 0.00	52.68 7.81 0.00	55.22 8.10 0.00	50.90 4.17 0.00	45.40 3.13 0.00	46.08 2.53 0.00	58.68 2.31 0.00	40.15 0.98 0.00	41.08 0.90 0.00	50.25 0.77 0.00	94.35 1.26 0.00	92.24 0.41 0.00	82.41 1.22 0.00	77.53 0.81 0.00	87.51 0.67 0.00	88.03 0.96 0.00	79.47 1.00 0.00	100.30 1.27 0.00	76.44 0.98 0.00	74.80 1.02 0.00	66.46 1.01 0.00	72.07 1.73 0.00	77.42 2.12 0.00	87.24 2.56 0.00
QUAKERRD_115KV_BK1 80622	45.03 -2.50 0.00	42.32 -2.54 0.00	44.54 -2.58 0.00	44.13 -2.60 0.00	40.06 -2.20 0.00	41.24 -2.31 0.00	53.32 -3.05 0.00	36.93 -2.24 0.00	37.96 -2.23 0.00	46.54 -2.94 0.00	87.00 -6.09 0.00	85.79 -6.04 0.00	75.88 -5.30 0.00	71.60 -5.12 0.00	80.98 -5.86 0.00	81.04 -6.03 0.00	72.87 -5.60 0.00	92.27 -6.77 0.00	69.71 -5.76 0.00	67.86 -5.91 0.00	60.28 -5.18 0.00	64.85 -5.49 0.00	69.76 -5.54 0.00	78.84 -5.84 0.00
QUEENSBRY_115KV_TB8 356137	50.04 2.51 0.00	47.11 2.24 0.00	49.42 2.30 0.00	49.06 2.34 0.00	44.40 2.14 0.00	45.77 2.23 0.00	59.63 3.26 0.00	41.69 2.52 0.00	42.67 2.48 0.00	52.59 3.12 0.00	98.18 5.09 0.00	96.75 4.92 0.00	85.15 3.96 0.00	80.49 3.77 0.00	91.51 4.68 0.00	91.72 4.65 0.00	82.93 4.46 0.00	104.78 5.75 0.00	79.93 4.47 0.00	78.04 4.27 0.00	68.98 3.53 0.00	73.72 3.38 0.00	78.63 3.33 0.00	88.17 3.49 0.00
RAMAPO___LBMP 323565	48.89 1.35 0.00	45.90 1.03 0.00	47.98 0.86 0.00	47.65 0.93 0.00	43.22 0.96 0.00	44.65 1.11 0.00	58.09 1.73 0.00	40.88 1.71 0.00	41.97 1.77 0.00	51.70 2.22 0.00	97.22 4.13 0.00	96.11 4.27 0.00	84.91 3.72 0.00	80.40 3.68 0.00	91.21 4.37 0.00	91.42 4.34 0.00	82.52 4.05 0.00	104.15 5.12 0.00	79.69 4.22 0.00	77.68 3.91 0.00	68.77 3.32 0.00	73.63 3.28 0.00	78.66 3.36 0.00	87.92 3.24 0.00
RANKINE____ 23646	45.51 -2.03 0.00	42.60 -2.27 0.00	44.87 -2.25 0.00	44.45 -2.28 0.00	40.40 -1.86 0.00	41.40 -2.14 0.00	53.17 -3.20 0.00	36.53 -2.64 0.00	37.59 -2.60 0.00	45.93 -3.55 0.00	85.30 -7.79 0.00	84.21 -7.62 0.00	74.58 -6.60 0.00	70.21 -6.51 0.00	79.44 -7.40 0.00	79.18 -7.89 0.00	70.74 -7.73 0.00	89.75 -9.28 0.00	67.28 -8.18 0.00	65.27 -8.51 0.00	58.22 -7.23 0.00	63.05 -7.29 0.00	68.35 -6.95 0.00	77.95 -6.73 0.00
RAVENSWOOD_GT2_1 24244	49.37 1.83 0.00	46.31 1.44 0.00	48.36 1.24 0.00	48.03 1.30 0.00	43.55 1.29 0.00	45.05 1.50 0.00	58.74 2.37 0.00	41.38 2.21 0.00	42.54 2.35 0.00	52.41 2.94 0.00	98.72 5.63 0.00	97.65 5.82 0.00	86.20 5.02 0.00	81.64 4.92 0.00	92.62 5.78 0.00	92.82 5.75 0.00	83.79 5.32 0.00	105.66 6.62 0.00	80.89 5.42 0.00	78.81 5.04 0.00	69.72 4.27 0.00	74.62 4.28 0.00	79.72 4.42 0.00	88.99 4.31 0.00



RAVENSWOOD_GT2_2 24245	49.37 1.83 0.00	46.31 1.44 0.00	48.36 1.24 0.00	48.03 1.30 0.00	43.55 1.29 0.00	45.05 1.50 0.00	58.74 2.37 0.00	41.38 2.21 0.00	42.54 2.35 0.00	52.41 2.94 0.00	98.72 5.63 0.00	97.65 5.82 0.00	86.20 5.02 0.00	81.64 4.92 0.00	92.62 5.78 0.00	92.82 5.75 0.00	83.79 5.32 0.00	105.66 6.62 0.00	80.89 5.42 0.00	78.81 5.04 0.00	69.72 4.27 0.00	74.62 4.28 0.00	79.72 4.42 0.00	88.99 4.31 0.00
RAVENSWOOD_GT2_3 24246	49.40 1.86 0.00	46.32 1.45 0.00	48.39 1.27 0.00	48.04 1.31 0.00	43.56 1.30 0.00	45.06 1.52 0.00	58.76 2.39 0.00	41.40 2.23 0.00	42.55 2.36 0.00	52.45 2.98 0.00	98.76 5.67 0.00	97.67 5.84 0.00	86.25 5.06 0.00	81.68 4.95 0.00	92.68 5.84 0.00	92.87 5.80 0.00	83.83 5.36 0.00	105.71 6.67 0.00	80.92 5.45 0.00	78.85 5.08 0.00	69.76 4.30 0.00	74.67 4.33 0.00	79.74 4.45 0.00	89.00 4.32 0.00
RAVENSWOOD_GT2_4 24247	49.40 1.86 0.00	46.32 1.45 0.00	48.39 1.27 0.00	48.04 1.31 0.00	43.56 1.30 0.00	45.06 1.52 0.00	58.76 2.39 0.00	41.40 2.23 0.00	42.55 2.36 0.00	52.45 2.98 0.00	98.76 5.67 0.00	97.67 5.84 0.00	86.25 5.06 0.00	81.68 4.95 0.00	92.68 5.84 0.00	92.87 5.80 0.00	83.83 5.36 0.00	105.71 6.67 0.00	80.92 5.45 0.00	78.85 5.08 0.00	69.76 4.30 0.00	74.67 4.33 0.00	79.74 4.45 0.00	89.00 4.32 0.00
RAVENSWOOD_GT3_1 24248	49.37 1.83 0.00	46.31 1.44 0.00	48.36 1.24 0.00	48.03 1.30 0.00	43.55 1.29 0.00	45.05 1.50 0.00	58.74 2.37 0.00	41.38 2.22 0.00	42.54 2.35 0.00	52.41 2.94 0.00	98.73 5.64 0.00	97.65 5.82 0.00	86.20 5.02 0.00	81.64 4.92 0.00	92.62 5.79 0.00	92.82 5.75 0.00	83.80 5.33 0.00	105.67 6.63 0.00	80.89 5.43 0.00	78.81 5.04 0.00	69.73 4.27 0.00	74.62 4.28 0.00	79.72 4.42 0.00	88.99 4.31 0.00
RAVENSWOOD_GT3_2 24249	49.37 1.83 0.00	46.31 1.44 0.00	48.36 1.24 0.00	48.03 1.30 0.00	43.55 1.29 0.00	45.05 1.50 0.00	58.74 2.37 0.00	41.38 2.22 0.00	42.54 2.35 0.00	52.41 2.94 0.00	98.73 5.64 0.00	97.65 5.82 0.00	86.20 5.02 0.00	81.64 4.92 0.00	92.62 5.79 0.00	92.82 5.75 0.00	83.80 5.33 0.00	105.67 6.63 0.00	80.89 5.43 0.00	78.81 5.04 0.00	69.73 4.27 0.00	74.62 4.28 0.00	79.72 4.42 0.00	88.99 4.31 0.00
RAVENSWOOD_GT3_3 24250	49.45 1.91 0.00	46.36 1.49 0.00	48.42 1.31 0.00	48.08 1.35 0.00	43.60 1.34 0.00	45.11 1.56 0.00	58.82 2.45 0.00	41.44 2.27 0.00	42.60 2.41 0.00	52.50 3.03 0.00	98.88 5.79 0.00	97.79 5.96 0.00	86.36 5.18 0.00	81.77 5.04 0.00	92.77 5.93 0.00	92.98 5.91 0.00	83.93 5.45 0.00	105.82 6.78 0.00	81.01 5.55 0.00	78.92 5.15 0.00	69.83 4.38 0.00	74.74 4.40 0.00	79.82 4.53 0.00	89.09 4.41 0.00
RAVENSWOOD_GT3_4 24251	49.45 1.91 0.00	46.36 1.49 0.00	48.42 1.31 0.00	48.08 1.35 0.00	43.60 1.34 0.00	45.11 1.56 0.00	58.82 2.45 0.00	41.44 2.27 0.00	42.60 2.41 0.00	52.50 3.03 0.00	98.88 5.79 0.00	97.79 5.96 0.00	86.36 5.18 0.00	81.77 5.04 0.00	92.77 5.93 0.00	92.98 5.91 0.00	83.93 5.45 0.00	105.82 6.78 0.00	81.01 5.55 0.00	78.92 5.15 0.00	69.83 4.38 0.00	74.74 4.40 0.00	79.82 4.53 0.00	89.09 4.41 0.00
RAVENSWOOD_GT_1 23729	49.45 1.91 0.00	46.39 1.52 0.00	48.42 1.31 0.00	48.08 1.35 0.00	43.60 1.34 0.00	45.11 1.56 0.00	58.83 2.47 0.00	41.44 2.27 0.00	42.61 2.42 0.00	52.48 3.01 0.00	98.93 5.84 0.00	97.82 5.99 0.00	86.38 5.20 0.00	81.83 5.11 0.00	92.84 6.01 0.00	93.04 5.97 0.00	83.96 5.48 0.00	105.82 6.78 0.00	81.05 5.59 0.00	78.96 5.19 0.00	69.85 4.40 0.00	74.73 4.39 0.00	79.82 4.52 0.00	89.07 4.39 0.00
RAVENSWOOD_GT_10 24258	49.37 1.83 0.00	46.31 1.44 0.00	48.36 1.24 0.00	48.03 1.30 0.00	43.55 1.29 0.00	45.05 1.50 0.00	58.74 2.37 0.00	41.38 2.22 0.00	42.54 2.35 0.00	52.42 2.94 0.00	98.72 5.63 0.00	97.65 5.82 0.00	86.20 5.02 0.00	81.64 4.92 0.00	92.62 5.78 0.00	92.82 5.75 0.00	83.79 5.32 0.00	105.67 6.63 0.00	80.89 5.43 0.00	78.81 5.04 0.00	69.73 4.27 0.00	74.62 4.28 0.00	79.72 4.42 0.00	88.99 4.31 0.00
RAVENSWOOD_GT_11 24259	49.37 1.83 0.00	46.31 1.44 0.00	48.36 1.24 0.00	48.03 1.30 0.00	43.55 1.29 0.00	45.05 1.50 0.00	58.74 2.37 0.00	41.38 2.22 0.00	42.54 2.35 0.00	52.42 2.94 0.00	98.72 5.63 0.00	97.65 5.82 0.00	86.20 5.02 0.00	81.64 4.92 0.00	92.62 5.78 0.00	92.82 5.75 0.00	83.79 5.32 0.00	105.67 6.63 0.00	80.89 5.43 0.00	78.81 5.04 0.00	69.73 4.27 0.00	74.62 4.28 0.00	79.72 4.42 0.00	88.99 4.31 0.00
RAVENSWOOD_GT_4 24252	49.37 1.84 0.00	46.31 1.44 0.00	48.38 1.26 0.00	48.04 1.31 0.00	43.56 1.30 0.00	45.06 1.51 0.00	58.74 2.37 0.00	41.38 2.22 0.00	42.54 2.35 0.00	52.43 2.96 0.00	98.72 5.63 0.00	97.65 5.82 0.00	86.21 5.02 0.00	81.64 4.92 0.00	92.62 5.78 0.00	92.82 5.74 0.00	83.80 5.32 0.00	105.68 6.64 0.00	80.89 5.42 0.00	78.81 5.04 0.00	69.73 4.28 0.00	74.62 4.28 0.00	79.73 4.44 0.00	89.00 4.32 0.00
RAVENSWOOD_GT_5 24254	49.37 1.84 0.00	46.31 1.44 0.00	48.38 1.26 0.00	48.04 1.31 0.00	43.56 1.30 0.00	45.06 1.51 0.00	58.74 2.37 0.00	41.38 2.22 0.00	42.54 2.35 0.00	52.43 2.96 0.00	98.72 5.63 0.00	97.65 5.82 0.00	86.21 5.02 0.00	81.64 4.92 0.00	92.62 5.78 0.00	92.82 5.74 0.00	83.80 5.32 0.00	105.68 6.64 0.00	80.89 5.42 0.00	78.81 5.04 0.00	69.73 4.28 0.00	74.62 4.28 0.00	79.73 4.44 0.00	89.00 4.32 0.00
RAVENSWOOD_GT_6 24253	49.37 1.84 0.00	46.31 1.44 0.00	48.38 1.26 0.00	48.04 1.31 0.00	43.56 1.30 0.00	45.06 1.51 0.00	58.74 2.37 0.00	41.38 2.22 0.00	42.54 2.35 0.00	52.43 2.96 0.00	98.72 5.63 0.00	97.65 5.82 0.00	86.21 5.02 0.00	81.64 4.92 0.00	92.62 5.78 0.00	92.82 5.74 0.00	83.80 5.32 0.00	105.68 6.64 0.00	80.89 5.42 0.00	78.81 5.04 0.00	69.73 4.28 0.00	74.62 4.28 0.00	79.73 4.44 0.00	89.00 4.32 0.00
RAVENSWOOD_GT_7 24255	49.37 1.84 0.00	46.31 1.44 0.00	48.38 1.26 0.00	48.04 1.31 0.00	43.56 1.30 0.00	45.06 1.51 0.00	58.74 2.37 0.00	41.38 2.22 0.00	42.54 2.35 0.00	52.43 2.96 0.00	98.72 5.63 0.00	97.65 5.82 0.00	86.21 5.02 0.00	81.64 4.92 0.00	92.62 5.78 0.00	92.82 5.74 0.00	83.80 5.32 0.00	105.68 6.64 0.00	80.89 5.42 0.00	78.81 5.04 0.00	69.73 4.28 0.00	74.62 4.28 0.00	79.73 4.44 0.00	89.00 4.32 0.00
RAVENSWOOD_GT_8 TEMP GRP(8-11) 24256	49.37 1.83 0.00	46.31 1.44 0.00	48.36 1.24 0.00	48.03 1.30 0.00	43.55 1.29 0.00	45.05 1.50 0.00	58.74 2.37 0.00	41.38 2.22 0.00	42.54 2.35 0.00	52.42 2.94 0.00	98.72 5.63 0.00	97.65 5.82 0.00	86.20 5.02 0.00	81.64 4.92 0.00	92.62 5.78 0.00	92.82 5.75 0.00	83.79 5.32 0.00	105.67 6.63 0.00	80.89 5.43 0.00	78.81 5.04 0.00	69.73 4.27 0.00	74.62 4.28 0.00	79.72 4.42 0.00	88.99 4.31 0.00

RAVENSWOOD_GT_9 24257	49.37 1.83 0.00	46.31 1.44 0.00	48.36 1.24 0.00	48.03 1.30 0.00	43.55 1.29 0.00	45.05 1.50 0.00	58.74 2.37 0.00	41.38 2.22 0.00	42.54 2.35 0.00	52.42 2.94 0.00	98.72 5.63 0.00	97.65 5.82 0.00	86.20 5.02 0.00	81.64 4.92 0.00	92.62 5.78 0.00	92.82 5.75 0.00	83.79 5.32 0.00	105.67 6.63 0.00	80.89 5.43 0.00	78.81 5.04 0.00	69.73 4.27 0.00	74.62 4.28 0.00	79.72 4.42 0.00	88.99 4.31 0.00
RAVENSWOOD___1 23533	49.38 1.84 0.00	46.31 1.44 0.00	48.36 1.24 0.00	48.01 1.28 0.00	43.53 1.26 0.00	45.03 1.48 0.00	58.75 2.38 0.00	41.38 2.21 0.00	42.55 2.36 0.00	52.42 2.94 0.00	98.76 5.67 0.00	97.69 5.86 0.00	86.27 5.08 0.00	81.71 4.99 0.00	92.71 5.87 0.00	92.90 5.83 0.00	83.83 5.36 0.00	105.67 6.63 0.00	80.93 5.46 0.00	78.84 5.07 0.00	69.73 4.28 0.00	74.62 4.28 0.00	79.68 4.38 0.00	88.95 4.27 0.00
RAVENSWOOD___2 23534	49.38 1.84 0.00	46.31 1.44 0.00	48.36 1.24 0.00	48.01 1.28 0.00	43.53 1.26 0.00	45.03 1.48 0.00	58.75 2.38 0.00	41.38 2.21 0.00	42.55 2.36 0.00	52.42 2.94 0.00	98.76 5.67 0.00	97.69 5.86 0.00	86.27 5.08 0.00	81.71 4.99 0.00	92.71 5.87 0.00	92.90 5.83 0.00	83.83 5.36 0.00	105.67 6.63 0.00	80.93 5.46 0.00	78.84 5.07 0.00	69.73 4.28 0.00	74.62 4.28 0.00	79.68 4.38 0.00	88.95 4.27 0.00
RAVENSWOOD___3 23535	49.37 1.83 0.00	46.31 1.44 0.00	48.36 1.24 0.00	48.03 1.30 0.00	43.56 1.29 0.00	45.05 1.50 0.00	58.74 2.37 0.00	41.38 2.22 0.00	42.54 2.35 0.00	52.43 2.95 0.00	98.73 5.64 0.00	97.65 5.82 0.00	86.22 5.03 0.00	81.65 4.92 0.00	92.62 5.79 0.00	92.82 5.75 0.00	83.80 5.33 0.00	105.67 6.64 0.00	80.89 5.43 0.00	78.81 5.04 0.00	69.72 4.27 0.00	74.62 4.28 0.00	79.72 4.43 0.00	89.00 4.31 0.00
RAVENSWOOD___4 23820	49.38 1.84 0.00	46.31 1.44 0.00	48.36 1.24 0.00	48.01 1.28 0.00	43.53 1.26 0.00	45.03 1.48 0.00	58.75 2.38 0.00	41.38 2.21 0.00	42.55 2.36 0.00	52.42 2.94 0.00	98.76 5.67 0.00	97.69 5.86 0.00	86.27 5.08 0.00	81.71 4.99 0.00	92.71 5.87 0.00	92.90 5.83 0.00	83.83 5.36 0.00	105.67 6.63 0.00	80.93 5.46 0.00	78.84 5.07 0.00	69.73 4.28 0.00	74.62 4.28 0.00	79.68 4.38 0.00	88.95 4.27 0.00
RCPL_TRUST___DRP 24196	49.44 1.90 0.00	46.36 1.49 0.00	48.44 1.32 0.00	48.08 1.35 0.00	43.61 1.34 0.00	45.11 1.56 0.00	58.84 2.47 0.00	41.45 2.28 0.00	42.62 2.43 0.00	52.51 3.04 0.00	98.92 5.83 0.00	97.83 6.00 0.00	86.39 5.20 0.00	81.80 5.08 0.00	92.81 5.97 0.00	93.02 5.94 0.00	83.97 5.50 0.00	105.88 6.84 0.00	81.03 5.57 0.00	78.94 5.17 0.00	69.84 4.39 0.00	74.75 4.41 0.00	79.83 4.54 0.00	89.13 4.45 0.00
RED___ROCHESTER 323720	46.09 -1.44 0.00	43.26 -1.61 0.00	45.53 -1.59 0.00	45.11 -1.62 0.00	40.96 -1.30 0.00	42.14 -1.41 0.00	54.44 -1.93 0.00	37.68 -1.49 0.00	38.77 -1.42 0.00	47.46 -2.01 0.00	88.67 -4.42 0.00	87.45 -4.39 0.00	77.36 -3.83 0.00	72.96 -3.76 0.00	82.49 -4.34 0.00	82.53 -4.55 0.00	74.12 -4.35 0.00	94.00 -5.04 0.00	70.93 -4.53 0.00	69.01 -4.77 0.00	61.33 -4.12 0.00	66.01 -4.33 0.00	71.08 -4.21 0.00	80.40 -4.28 0.00
REGAN___SOLAR 323812	50.52 2.98 0.00	47.65 2.79 0.00	50.00 2.88 0.00	49.58 2.85 0.00	44.84 2.58 0.00	46.36 2.81 0.00	60.29 3.92 0.00	42.03 2.86 0.00	43.15 2.96 0.00	52.95 3.47 0.00	99.41 6.32 0.00	97.96 6.13 0.00	86.67 5.49 0.00	82.12 5.40 0.00	92.93 6.09 0.00	93.32 6.24 0.00	84.25 5.78 0.00	106.66 7.62 0.00	81.12 5.66 0.00	79.20 5.43 0.00	70.20 4.75 0.00	75.27 4.93 0.00	80.46 5.16 0.00	90.23 5.55 0.00
RENSSELAER___COGEN 23796	48.33 0.79 0.00	45.58 0.71 0.00	47.81 0.70 0.00	47.46 0.73 0.00	42.91 0.64 0.00	44.28 0.73 0.00	57.48 1.11 0.00	40.23 1.06 0.00	41.22 1.03 0.00	50.90 1.42 0.00	96.18 3.09 0.00	94.80 2.97 0.00	83.74 2.56 0.00	79.27 2.55 0.00	89.96 3.13 0.00	90.17 3.09 0.00	81.38 2.91 0.00	102.71 3.68 0.00	78.32 2.85 0.00	76.47 2.70 0.00	67.69 2.24 0.00	72.54 2.19 0.00	77.57 2.27 0.00	87.22 2.53 0.00
REPUBLIC_115KV_BARTNBRK 55605	52.18 4.64 0.00	49.01 4.15 0.00	51.42 4.30 0.00	50.92 4.19 0.00	46.21 3.95 0.00	48.29 4.74 0.00	62.64 6.27 0.00	43.86 4.69 0.00	44.76 4.57 0.00	55.19 5.71 0.00	102.44 9.35 0.00	100.73 8.90 0.00	88.52 7.33 0.00	83.56 6.84 0.00	95.52 8.68 0.00	95.83 8.76 0.00	86.74 8.27 0.00	109.37 10.33 0.00	83.49 8.02 0.00	81.50 7.73 0.00	71.95 6.50 0.00	76.67 6.33 0.00	81.68 6.38 0.00	91.64 6.96 0.00
REVERE_CPFR_DRP 24186	49.42 1.88 0.00	46.88 2.01 0.00	49.17 2.05 0.00	48.53 1.80 0.00	43.89 1.63 0.00	45.34 1.79 0.00	59.05 2.68 0.00	41.11 1.94 0.00	42.24 2.05 0.00	51.92 2.44 0.00	97.67 4.58 0.00	96.38 4.54 0.00	85.26 4.07 0.00	80.55 3.82 0.00	91.17 4.33 0.00	91.33 4.26 0.00	82.35 3.88 0.00	103.90 4.87 0.00	78.93 3.46 0.00	77.06 3.29 0.00	68.26 2.80 0.00	73.16 2.82 0.00	78.05 2.76 0.00	87.53 2.85 0.00
REYNOLDS_115KV_TB3 80639	48.79 1.26 0.00	46.02 1.15 0.00	48.27 1.15 0.00	47.93 1.20 0.00	43.32 1.06 0.00	44.71 1.16 0.00	58.06 1.69 0.00	40.63 1.46 0.00	41.64 1.45 0.00	51.38 1.91 0.00	96.91 3.82 0.00	95.54 3.71 0.00	84.34 3.16 0.00	79.85 3.13 0.00	90.60 3.76 0.00	90.80 3.73 0.00	81.95 3.48 0.00	103.42 4.39 0.00	78.85 3.38 0.00	76.95 3.18 0.00	68.12 2.67 0.00	72.96 2.62 0.00	78.05 2.75 0.00	87.67 2.99 0.00
RIVERBAY____ 323610	49.37 1.83 0.00	46.31 1.44 0.00	48.36 1.24 0.00	48.02 1.29 0.00	43.52 1.26 0.00	45.11 1.56 0.00	58.87 2.50 0.00	41.50 2.33 0.00	42.64 2.45 0.00	52.54 3.07 0.00	99.02 5.93 0.00	97.47 5.64 0.00	85.98 4.79 0.00	81.64 4.92 0.00	92.67 5.83 0.00	92.92 5.84 0.00	83.83 5.36 0.00	105.77 6.73 0.00	80.97 5.50 0.00	78.84 5.06 0.00	69.73 4.28 0.00	74.60 4.26 0.00	79.64 4.34 0.00	88.99 4.31 0.00
RIVERSDE_115KV_TB3 55908	48.58 1.05 0.00	45.82 0.95 0.00	48.06 0.94 0.00	47.71 0.98 0.00	43.13 0.87 0.00	44.52 0.97 0.00	57.81 1.44 0.00	40.48 1.31 0.00	41.48 1.29 0.00	51.20 1.72 0.00	96.70 3.61 0.00	95.33 3.50 0.00	84.18 2.99 0.00	79.68 2.96 0.00	90.42 3.58 0.00	90.62 3.55 0.00	81.80 3.32 0.00	103.22 4.18 0.00	78.71 3.25 0.00	76.83 3.06 0.00	68.00 2.55 0.00	72.84 2.50 0.00	77.91 2.61 0.00	87.57 2.88 0.00
ROARING___BROOK_WT_PWR 323790	47.75 0.21 0.00	45.11 0.24 0.00	47.40 0.28 0.00	46.99 0.26 0.00	42.50 0.24 0.00	43.73 0.18 0.00	56.48 0.10 0.00	39.11 -0.06 0.00	40.13 -0.06 0.00	49.41 -0.07 0.00	93.04 -0.05 0.00	91.84 0.01 0.00	81.26 0.08 0.00	76.68 -0.05 0.00	86.75 -0.08 0.00	87.08 0.01 0.00	78.47 0.01 0.00	98.97 -0.06 0.00	75.35 -0.11 0.00	73.71 -0.06 0.00	65.47 0.02 0.00	70.44 0.10 0.00	75.32 0.02 0.00	84.72 0.04 0.00

ROCHESRG_115KV_T4 355643	45.57 -1.97 0.00	42.79 -2.08 0.00	45.05 -2.07 0.00	44.62 -2.11 0.00	40.52 -1.74 0.00	41.66 -1.89 0.00	53.80 -2.58 0.00	37.19 -1.98 0.00	38.24 -1.95 0.00	46.82 -2.65 0.00	87.42 -5.67 0.00	86.24 -5.60 0.00	76.28 -4.91 0.00	71.94 -4.78 0.00	81.35 -5.48 0.00	81.37 -5.70 0.00	73.07 -5.40 0.00	92.59 -6.45 0.00	69.86 -5.61 0.00	67.99 -5.78 0.00	60.43 -5.03 0.00	65.10 -5.24 0.00	70.17 -5.13 0.00	79.44 -5.25 0.00
ROCHESTER_9_IC 23652	45.84 -1.70 0.00	43.04 -1.83 0.00	45.30 -1.82 0.00	44.88 -1.85 0.00	40.75 -1.51 0.00	41.91 -1.64 0.00	54.14 -2.23 0.00	37.45 -1.73 0.00	38.52 -1.67 0.00	47.17 -2.31 0.00	88.07 -5.02 0.00	86.88 -4.95 0.00	76.84 -4.34 0.00	72.47 -4.25 0.00	81.94 -4.89 0.00	81.97 -5.10 0.00	73.60 -4.88 0.00	93.30 -5.73 0.00	70.41 -5.06 0.00	68.51 -5.26 0.00	60.87 -4.58 0.00	65.57 -4.77 0.00	70.62 -4.68 0.00	79.93 -4.75 0.00
ROCKVIEW_13_KV_LD 356306	49.51 1.98 0.00	46.46 1.59 0.00	48.54 1.42 0.00	48.18 1.45 0.00	43.69 1.43 0.00	45.19 1.64 0.00	58.87 2.50 0.00	41.47 2.30 0.00	42.61 2.41 0.00	52.51 3.03 0.00	98.93 5.84 0.00	97.87 6.04 0.00	86.44 5.26 0.00	81.82 5.10 0.00	92.85 6.01 0.00	93.05 5.98 0.00	84.01 5.54 0.00	105.99 6.96 0.00	81.12 5.66 0.00	79.08 5.31 0.00	69.98 4.53 0.00	74.88 4.54 0.00	79.97 4.67 0.00	89.30 4.62 0.00
ROME____115KV_TB2 80656	49.42 1.88 0.00	46.88 2.01 0.00	49.17 2.05 0.00	48.53 1.80 0.00	43.89 1.63 0.00	45.34 1.79 0.00	59.05 2.68 0.00	41.11 1.94 0.00	42.24 2.05 0.00	51.92 2.44 0.00	97.67 4.58 0.00	96.38 4.54 0.00	85.26 4.07 0.00	80.55 3.82 0.00	91.17 4.33 0.00	91.33 4.26 0.00	82.35 3.88 0.00	103.90 4.87 0.00	78.93 3.46 0.00	77.06 3.29 0.00	68.26 2.80 0.00	73.16 2.82 0.00	78.05 2.76 0.00	87.53 2.85 0.00
ROSETON___1 23587	49.01 1.48 0.00	46.04 1.17 0.00	48.13 1.01 0.00	47.79 1.06 0.00	43.31 1.04 0.00	44.78 1.23 0.00	58.27 1.90 0.00	40.98 1.81 0.00	42.10 1.90 0.00	51.86 2.39 0.00	97.65 4.56 0.00	96.57 4.74 0.00	85.29 4.10 0.00	80.76 4.04 0.00	91.63 4.80 0.00	91.83 4.75 0.00	82.89 4.41 0.00	104.59 5.55 0.00	80.01 4.55 0.00	78.05 4.28 0.00	69.08 3.63 0.00	73.97 3.63 0.00	79.03 3.74 0.00	88.35 3.67 0.00
ROSETON___2 23588	49.01 1.48 0.00	46.04 1.17 0.00	48.13 1.01 0.00	47.79 1.06 0.00	43.31 1.04 0.00	44.78 1.23 0.00	58.27 1.90 0.00	40.98 1.81 0.00	42.10 1.90 0.00	51.86 2.39 0.00	97.65 4.56 0.00	96.57 4.74 0.00	85.29 4.10 0.00	80.76 4.04 0.00	91.63 4.80 0.00	91.83 4.75 0.00	82.89 4.41 0.00	104.59 5.55 0.00	80.01 4.55 0.00	78.05 4.28 0.00	69.08 3.63 0.00	73.97 3.63 0.00	79.03 3.74 0.00	88.35 3.67 0.00
ROTRRDAM_115KV_TB3 80664	48.68 1.15 0.00	45.92 1.05 0.00	48.19 1.08 0.00	47.81 1.08 0.00	43.21 0.94 0.00	44.58 1.04 0.00	57.88 1.51 0.00	40.41 1.24 0.00	41.46 1.27 0.00	51.04 1.56 0.00	95.91 2.82 0.00	94.60 2.76 0.00	83.64 2.45 0.00	79.29 2.57 0.00	89.86 3.02 0.00	90.06 2.99 0.00	81.26 2.79 0.00	102.62 3.59 0.00	78.24 2.78 0.00	76.43 2.66 0.00	67.70 2.24 0.00	72.58 2.24 0.00	77.61 2.31 0.00	87.10 2.42 0.00
RUSSELL___1 23602	46.10 -1.44 0.00	43.26 -1.61 0.00	45.53 -1.59 0.00	45.11 -1.62 0.00	40.96 -1.30 0.00	42.14 -1.41 0.00	54.44 -1.93 0.00	37.68 -1.49 0.00	38.77 -1.42 0.00	47.47 -2.01 0.00	88.66 -4.43 0.00	87.45 -4.39 0.00	77.35 -3.83 0.00	72.96 -3.76 0.00	82.49 -4.34 0.00	82.53 -4.55 0.00	74.12 -4.35 0.00	93.99 -5.04 0.00	70.93 -4.53 0.00	69.00 -4.77 0.00	61.32 -4.13 0.00	66.01 -4.33 0.00	71.08 -4.21 0.00	80.40 -4.28 0.00
RUSSELL___2 23532	46.10 -1.44 0.00	43.26 -1.61 0.00	45.53 -1.59 0.00	45.11 -1.62 0.00	40.96 -1.30 0.00	42.14 -1.41 0.00	54.44 -1.93 0.00	37.68 -1.49 0.00	38.77 -1.42 0.00	47.47 -2.01 0.00	88.66 -4.43 0.00	87.45 -4.39 0.00	77.35 -3.83 0.00	72.96 -3.76 0.00	82.49 -4.34 0.00	82.53 -4.55 0.00	74.12 -4.35 0.00	93.99 -5.04 0.00	70.93 -4.53 0.00	69.00 -4.77 0.00	61.32 -4.13 0.00	66.01 -4.33 0.00	71.08 -4.21 0.00	80.40 -4.28 0.00
RUSSELL___3 23549	46.10 -1.44 0.00	43.26 -1.61 0.00	45.53 -1.59 0.00	45.11 -1.62 0.00	40.96 -1.30 0.00	42.14 -1.41 0.00	54.44 -1.93 0.00	37.68 -1.49 0.00	38.77 -1.42 0.00	47.47 -2.01 0.00	88.66 -4.43 0.00	87.45 -4.39 0.00	77.35 -3.83 0.00	72.96 -3.76 0.00	82.49 -4.34 0.00	82.53 -4.55 0.00	74.12 -4.35 0.00	93.99 -5.04 0.00	70.93 -4.53 0.00	69.00 -4.77 0.00	61.32 -4.13 0.00	66.01 -4.33 0.00	71.08 -4.21 0.00	80.40 -4.28 0.00
RUSSELL___4 23556	46.10 -1.44 0.00	43.26 -1.61 0.00	45.53 -1.59 0.00	45.11 -1.62 0.00	40.96 -1.30 0.00	42.14 -1.41 0.00	54.44 -1.93 0.00	37.68 -1.49 0.00	38.77 -1.42 0.00	47.47 -2.01 0.00	88.66 -4.43 0.00	87.45 -4.39 0.00	77.35 -3.83 0.00	72.96 -3.76 0.00	82.49 -4.34 0.00	82.53 -4.55 0.00	74.12 -4.35 0.00	93.99 -5.04 0.00	70.93 -4.53 0.00	69.00 -4.77 0.00	61.32 -4.13 0.00	66.01 -4.33 0.00	71.08 -4.21 0.00	80.40 -4.28 0.00
RUSSELL___STATION 23914	46.10 -1.44 0.00	43.26 -1.61 0.00	45.53 -1.59 0.00	45.11 -1.62 0.00	40.96 -1.30 0.00	42.14 -1.41 0.00	54.44 -1.93 0.00	37.68 -1.49 0.00	38.77 -1.42 0.00	47.47 -2.01 0.00	88.66 -4.43 0.00	87.45 -4.39 0.00	77.35 -3.83 0.00	72.96 -3.76 0.00	82.49 -4.34 0.00	82.53 -4.55 0.00	74.12 -4.35 0.00	93.99 -5.04 0.00	70.93 -4.53 0.00	69.00 -4.77 0.00	61.32 -4.13 0.00	66.01 -4.33 0.00	71.08 -4.21 0.00	80.40 -4.28 0.00
S SALMON___HYD 24043	46.65 -0.89 0.00	44.25 -0.62 0.00	46.43 -0.69 0.00	45.74 -0.99 0.00	41.40 -0.87 0.00	42.72 -0.83 0.00	55.47 -0.90 0.00	38.58 -0.59 0.00	39.54 -0.65 0.00	48.51 -0.97 0.00	91.25 -1.84 0.00	89.84 -2.00 0.00	79.48 -1.71 0.00	75.17 -1.55 0.00	85.08 -1.76 0.00	85.25 -1.83 0.00	76.93 -1.54 0.00	97.30 -1.73 0.00	73.95 -1.51 0.00	72.16 -1.61 0.00	63.98 -1.47 0.00	68.61 -1.73 0.00	73.39 -1.90 0.00	82.45 -2.23 0.00
S.PERRY__115KV_TB1 80734	46.25 -1.29 0.00	43.31 -1.56 0.00	45.41 -1.71 0.00	44.98 -1.75 0.00	40.96 -1.31 0.00	42.15 -1.39 0.00	54.68 -1.69 0.00	37.87 -1.30 0.00	38.99 -1.20 0.00	47.72 -1.75 0.00	88.99 -4.10 0.00	87.75 -4.09 0.00	77.79 -3.40 0.00	73.44 -3.28 0.00	83.11 -3.72 0.00	83.10 -3.97 0.00	74.72 -3.75 0.00	94.62 -4.41 0.00	71.30 -4.16 0.00	69.19 -4.58 0.00	61.37 -4.08 0.00	65.97 -4.36 0.00	70.92 -4.38 0.00	80.10 -4.58 0.00
SAWYER_23_KV_LOAD_REV_LBMP_A 345024	44.90 -2.64 0.00	42.03 -2.84 0.00	44.32 -2.81 0.00	43.88 -2.85 0.00	39.90 -2.37 0.00	40.85 -2.70 0.00	52.40 -3.97 0.00	35.94 -3.23 0.00	37.00 -3.19 0.00	45.15 -4.32 0.00	83.77 -9.32 0.00	82.66 -9.17 0.00	73.17 -8.02 0.00	68.91 -7.81 0.00	77.90 -8.93 0.00	77.76 -9.32 0.00	69.46 -9.01 0.00	88.14 -10.89 0.00	66.05 -9.41 0.00	64.10 -9.67 0.00	57.20 -8.25 0.00	61.98 -8.36 0.00	67.27 -8.03 0.00	76.83 -7.85 0.00

SAWYER___23_KV_LOAD 55526	44.90 -2.64 0.00	42.03 -2.84 0.00	44.32 -2.81 0.00	43.88 -2.85 0.00	39.90 -2.37 0.00	40.85 -2.70 0.00	52.40 -3.97 0.00	35.94 -3.23 0.00	37.00 -3.19 0.00	45.15 -4.32 0.00	83.77 -9.32 0.00	82.66 -9.17 0.00	73.17 -8.02 0.00	68.91 -7.81 0.00	77.90 -8.93 0.00	77.76 -9.32 0.00	69.46 -9.01 0.00	88.14 -10.89 0.00	66.05 -9.41 0.00	64.10 -9.67 0.00	57.20 -8.25 0.00	61.98 -8.36 0.00	67.27 -8.03 0.00	76.83 -7.85 0.00
SELKIRK___I 23801	48.77 1.24 0.00	46.03 1.16 0.00	48.34 1.22 0.00	47.97 1.24 0.00	43.33 1.06 0.00	44.71 1.16 0.00	58.02 1.65 0.00	40.53 1.36 0.00	41.52 1.33 0.00	51.17 1.69 0.00	96.42 3.33 0.00	95.05 3.22 0.00	83.96 2.77 0.00	79.51 2.79 0.00	90.16 3.33 0.00	90.40 3.33 0.00	81.60 3.13 0.00	102.97 3.94 0.00	78.49 3.03 0.00	76.70 2.93 0.00	67.92 2.47 0.00	72.82 2.48 0.00	77.89 2.59 0.00	87.57 2.89 0.00
SELKIRK___II 23799	48.44 0.90 0.00	45.69 0.82 0.00	47.95 0.83 0.00	47.58 0.85 0.00	42.99 0.73 0.00	44.36 0.82 0.00	57.60 1.22 0.00	40.29 1.12 0.00	41.29 1.10 0.00	50.94 1.46 0.00	96.06 2.97 0.00	94.73 2.89 0.00	83.66 2.48 0.00	79.22 2.49 0.00	89.87 3.03 0.00	90.06 2.99 0.00	81.28 2.81 0.00	102.57 3.53 0.00	78.24 2.77 0.00	76.40 2.63 0.00	67.66 2.21 0.00	72.52 2.18 0.00	77.54 2.24 0.00	87.13 2.44 0.00
SENECA OSWGO___HYD 24041	45.94 -1.59 0.00	43.31 -1.56 0.00	45.46 -1.66 0.00	45.09 -1.64 0.00	40.80 -1.46 0.00	42.11 -1.44 0.00	54.59 -1.79 0.00	38.00 -1.17 0.00	38.99 -1.20 0.00	47.92 -1.55 0.00	90.09 -3.00 0.00	88.86 -2.97 0.00	78.55 -2.63 0.00	74.26 -2.46 0.00	84.06 -2.78 0.00	84.20 -2.87 0.00	75.86 -2.61 0.00	95.93 -3.11 0.00	72.99 -2.47 0.00	71.21 -2.56 0.00	63.17 -2.28 0.00	67.80 -2.54 0.00	72.58 -2.72 0.00	81.65 -3.03 0.00
SENECA___115KV_TB3 355854	45.58 -1.96 0.00	42.67 -2.20 0.00	44.94 -2.18 0.00	44.52 -2.21 0.00	40.47 -1.79 0.00	41.48 -2.07 0.00	53.28 -3.09 0.00	36.60 -2.57 0.00	37.66 -2.53 0.00	46.02 -3.45 0.00	85.48 -7.61 0.00	84.40 -7.44 0.00	74.74 -6.44 0.00	70.36 -6.36 0.00	79.61 -7.22 0.00	79.34 -7.73 0.00	70.89 -7.58 0.00	89.95 -9.08 0.00	67.42 -8.04 0.00	65.40 -8.37 0.00	58.34 -7.11 0.00	63.18 -7.16 0.00	68.48 -6.81 0.00	78.09 -6.59 0.00
SENECA___ENERGY 23797	46.51 -1.03 0.00	43.72 -1.15 0.00	45.84 -1.28 0.00	45.42 -1.30 0.00	41.29 -0.98 0.00	42.57 -0.98 0.00	55.22 -1.15 0.00	38.41 -0.76 0.00	39.45 -0.75 0.00	48.40 -1.08 0.00	90.77 -2.32 0.00	89.58 -2.25 0.00	79.23 -1.96 0.00	74.88 -1.84 0.00	84.72 -2.11 0.00	84.87 -2.21 0.00	76.84 -1.63 0.00	97.06 -1.98 0.00	73.31 -2.15 0.00	71.38 -2.39 0.00	63.24 -2.22 0.00	67.84 -2.50 0.00	72.72 -2.57 0.00	81.71 -2.98 0.00
SHOEMAKER___GT 23640	48.84 1.30 0.00	45.88 1.01 0.00	48.01 0.89 0.00	47.66 0.94 0.00	43.19 0.92 0.00	44.62 1.07 0.00	58.03 1.66 0.00	40.78 1.61 0.00	41.86 1.67 0.00	51.57 2.09 0.00	97.00 3.91 0.00	95.85 4.02 0.00	84.70 3.51 0.00	80.20 3.47 0.00	90.97 4.14 0.00	91.17 4.09 0.00	82.29 3.82 0.00	103.90 4.87 0.00	79.41 3.95 0.00	77.45 3.68 0.00	68.57 3.11 0.00	73.42 3.09 0.00	78.45 3.15 0.00	87.76 3.08 0.00
SHOEMAKR_138KV_BK 111 55601	48.80 1.27 0.00	45.85 0.98 0.00	47.97 0.85 0.00	47.63 0.90 0.00	43.15 0.89 0.00	44.59 1.04 0.00	57.98 1.61 0.00	40.75 1.58 0.00	41.84 1.65 0.00	51.54 2.06 0.00	96.92 3.83 0.00	95.82 3.99 0.00	84.64 3.46 0.00	80.14 3.42 0.00	90.90 4.06 0.00	91.11 4.04 0.00	82.23 3.76 0.00	103.81 4.78 0.00	79.36 3.90 0.00	77.39 3.62 0.00	68.54 3.09 0.00	73.38 3.04 0.00	78.40 3.10 0.00	87.70 3.02 0.00
SHOREHAM_IC_1 23715	50.91 3.37 0.00	47.56 2.70 0.00	49.63 2.51 0.00	49.18 2.45 0.00	44.47 2.21 0.00	46.24 2.69 0.00	60.23 3.86 0.00	42.68 3.51 0.00	43.55 3.36 0.00	54.05 4.57 0.00	101.29 8.19 -0.01	104.17 8.52 -3.81	89.03 7.84 -0.01	83.99 7.27 0.00	94.90 8.07 0.00	95.37 8.29 0.00	87.09 7.88 -0.73	109.32 9.97 -0.32	89.57 8.25 -5.86	83.79 7.68 -2.34	72.11 6.66 0.00	77.05 6.71 0.00	82.49 7.19 0.00	92.19 7.19 -0.32
SHOREHAM_IC_2 23716	50.91 3.37 0.00	47.56 2.70 0.00	49.63 2.51 0.00	49.18 2.45 0.00	44.47 2.21 0.00	46.24 2.69 0.00	60.23 3.86 0.00	42.68 3.51 0.00	43.55 3.36 0.00	54.05 4.57 0.00	101.29 8.19 -0.01	104.17 8.52 -3.81	89.03 7.84 -0.01	83.99 7.27 0.00	94.90 8.07 0.00	95.37 8.29 0.00	87.09 7.88 -0.73	109.32 9.97 -0.32	89.57 8.25 -5.86	83.79 7.68 -2.34	72.11 6.66 0.00	77.05 6.71 0.00	82.49 7.19 0.00	92.19 7.19 -0.32
SISSONVILLE____ 23735	50.32 2.79 0.00	51.46 6.59 0.00	53.94 6.81 0.00	49.51 2.78 0.00	44.13 1.86 0.00	44.75 1.21 0.00	56.88 0.50 0.00	38.90 -0.27 0.00	39.84 -0.35 0.00	48.70 -0.78 0.00	91.59 -1.50 0.00	89.67 -2.16 0.00	80.53 -0.65 0.00	75.78 -0.94 0.00	85.58 -1.26 0.00	85.92 -1.16 0.00	77.55 -0.92 0.00	97.84 -1.19 0.00	74.55 -0.91 0.00	72.96 -0.81 0.00	64.85 -0.60 0.00	70.42 0.07 0.00	75.72 0.42 0.00	85.36 0.68 0.00
SITHE_IND_GS1 24169	45.58 -1.95 0.00	42.98 -1.89 0.00	45.13 -1.99 0.00	44.74 -1.99 0.00	40.50 -1.77 0.00	41.75 -1.80 0.00	54.10 -2.27 0.00	37.64 -1.53 0.00	38.64 -1.55 0.00	47.50 -1.98 0.00	89.24 -3.85 0.00	88.06 -3.78 0.00	77.84 -3.35 0.00	73.58 -3.15 0.00	83.27 -3.56 0.00	83.46 -3.62 0.00	75.16 -3.31 0.00	94.94 -4.09 0.00	72.25 -3.21 0.00	70.53 -3.25 0.00	62.56 -2.89 0.00	67.18 -3.16 0.00	71.93 -3.36 0.00	80.91 -3.77 0.00
SITHE_IND_GS2 24170	45.58 -1.95 0.00	42.98 -1.89 0.00	45.13 -1.99 0.00	44.74 -1.99 0.00	40.50 -1.77 0.00	41.75 -1.80 0.00	54.10 -2.27 0.00	37.64 -1.53 0.00	38.64 -1.55 0.00	47.50 -1.98 0.00	89.24 -3.85 0.00	88.06 -3.78 0.00	77.84 -3.35 0.00	73.58 -3.15 0.00	83.27 -3.56 0.00	83.46 -3.62 0.00	75.16 -3.31 0.00	94.94 -4.09 0.00	72.25 -3.21 0.00	70.53 -3.25 0.00	62.56 -2.89 0.00	67.18 -3.16 0.00	71.93 -3.36 0.00	80.91 -3.77 0.00
SITHE_IND_GS3 24171	45.58 -1.95 0.00	42.98 -1.89 0.00	45.13 -1.99 0.00	44.74 -1.99 0.00	40.50 -1.77 0.00	41.75 -1.80 0.00	54.10 -2.27 0.00	37.64 -1.53 0.00	38.64 -1.55 0.00	47.50 -1.98 0.00	89.24 -3.85 0.00	88.06 -3.78 0.00	77.84 -3.35 0.00	73.58 -3.15 0.00	83.27 -3.56 0.00	83.46 -3.62 0.00	75.16 -3.31 0.00	94.94 -4.09 0.00	72.25 -3.21 0.00	70.53 -3.25 0.00	62.56 -2.89 0.00	67.18 -3.16 0.00	71.93 -3.36 0.00	80.91 -3.77 0.00
SITHE_IND_GS4 24172	45.58 -1.95 0.00	42.98 -1.89 0.00	45.13 -1.99 0.00	44.74 -1.99 0.00	40.50 -1.77 0.00	41.75 -1.80 0.00	54.10 -2.27 0.00	37.64 -1.53 0.00	38.64 -1.55 0.00	47.50 -1.98 0.00	89.24 -3.85 0.00	88.06 -3.78 0.00	77.84 -3.35 0.00	73.58 -3.15 0.00	83.27 -3.56 0.00	83.46 -3.62 0.00	75.16 -3.31 0.00	94.94 -4.09 0.00	72.25 -3.21 0.00	70.53 -3.25 0.00	62.56 -2.89 0.00	67.18 -3.16 0.00	71.93 -3.36 0.00	80.91 -3.77 0.00

SITHE___BATAVIA 24024	46.40 -1.14 0.00	43.45 -1.42 0.00	45.76 -1.36 0.00	45.33 -1.40 0.00	41.20 -1.06 0.00	42.28 -1.27 0.00	54.43 -1.95 0.00	37.46 -1.71 0.00	38.60 -1.59 0.00	47.12 -2.36 0.00	87.63 -5.46 0.00	86.43 -5.41 0.00	76.46 -4.72 0.00	71.98 -4.75 0.00	81.25 -5.58 0.00	80.94 -6.13 0.00	72.53 -5.94 0.00	92.12 -6.91 0.00	69.16 -6.30 0.00	67.17 -6.60 0.00	59.85 -5.60 0.00	64.60 -5.74 0.00	69.81 -5.49 0.00	79.46 -5.22 0.00
SITHE___INDEPEND 23800	45.58 -1.95 0.00	42.98 -1.89 0.00	45.13 -1.99 0.00	44.74 -1.99 0.00	40.49 -1.77 0.00	41.75 -1.80 0.00	54.10 -2.27 0.00	37.64 -1.53 0.00	38.64 -1.55 0.00	47.50 -1.97 0.00	89.24 -3.85 0.00	88.06 -3.77 0.00	77.84 -3.35 0.00	73.58 -3.15 0.00	83.28 -3.56 0.00	83.46 -3.62 0.00	75.16 -3.31 0.00	94.94 -4.09 0.00	72.25 -3.22 0.00	70.52 -3.25 0.00	62.56 -2.89 0.00	67.18 -3.16 0.00	71.94 -3.36 0.00	80.91 -3.77 0.00
SITHE___MASSENA 23902	48.38 0.85 0.00	45.77 0.90 0.00	48.11 1.00 0.00	47.68 0.96 0.00	43.14 0.88 0.00	44.33 0.78 0.00	57.14 0.76 0.00	39.42 0.25 0.00	40.46 0.27 0.00	49.78 0.30 0.00	93.75 0.65 0.00	92.50 0.67 0.00	81.77 0.58 0.00	76.98 0.26 0.00	86.96 0.12 0.00	87.39 0.31 0.00	78.78 0.31 0.00	99.34 0.31 0.00	75.70 0.24 0.00	74.10 0.33 0.00	65.87 0.42 0.00	71.22 0.88 0.00	76.44 1.14 0.00	86.20 1.52 0.00
SITHE___OGDNSBRG 24021	52.15 4.61 0.00	53.13 8.26 0.00	55.68 8.56 0.00	51.37 4.64 0.00	45.84 3.58 0.00	46.56 3.02 0.00	59.39 3.02 0.00	40.66 1.49 0.00	41.58 1.39 0.00	50.83 1.36 0.00	95.41 2.32 0.00	92.98 1.15 0.00	82.73 1.55 0.00	77.81 1.08 0.00	87.86 1.03 0.00	88.40 1.32 0.00	79.78 1.31 0.00	100.70 1.67 0.00	76.73 1.27 0.00	75.10 1.33 0.00	66.74 1.29 0.00	72.26 1.92 0.00	77.62 2.32 0.00	87.47 2.79 0.00
SITHE___STERLING 23777	48.80 1.26 0.00	46.18 1.31 0.00	48.44 1.32 0.00	47.94 1.21 0.00	43.40 1.13 0.00	44.83 1.28 0.00	58.30 1.93 0.00	40.63 1.47 0.00	41.73 1.54 0.00	51.32 1.84 0.00	96.56 3.47 0.00	95.30 3.46 0.00	84.27 3.08 0.00	79.65 2.93 0.00	90.18 3.34 0.00	90.31 3.23 0.00	81.40 2.93 0.00	102.57 3.54 0.00	77.93 2.47 0.00	76.08 2.31 0.00	67.39 1.93 0.00	72.22 1.87 0.00	77.10 1.80 0.00	86.50 1.82 0.00
SLEIGHT__34_KV_TB1 80719	46.13 -1.41 0.00	43.37 -1.50 0.00	45.57 -1.54 0.00	45.17 -1.56 0.00	40.99 -1.27 0.00	42.27 -1.28 0.00	54.78 -1.59 0.00	38.00 -1.17 0.00	39.05 -1.14 0.00	47.89 -1.58 0.00	89.68 -3.41 0.00	88.54 -3.30 0.00	78.23 -2.95 0.00	73.90 -2.83 0.00	83.50 -3.33 0.00	83.69 -3.39 0.00	75.48 -2.99 0.00	95.57 -3.47 0.00	72.08 -3.38 0.00	70.20 -3.57 0.00	62.31 -3.14 0.00	66.95 -3.39 0.00	71.84 -3.45 0.00	81.01 -3.67 0.00
SOUTH CAIRO___GT 23612	50.88 3.35 0.00	47.96 3.10 0.00	50.33 3.21 0.00	49.95 3.22 0.00	45.19 2.93 0.00	46.75 3.20 0.00	60.88 4.50 0.00	42.67 3.50 0.00	43.74 3.55 0.00	53.89 4.42 0.00	101.56 8.47 0.00	100.17 8.34 0.00	88.53 7.35 0.00	83.85 7.13 0.00	95.19 8.35 0.00	95.47 8.39 0.00	86.35 7.88 0.00	109.17 10.14 0.00	83.10 7.64 0.00	81.04 7.27 0.00	71.65 6.20 0.00	76.68 6.34 0.00	81.80 6.50 0.00	91.78 7.09 0.00
SOUTH HAMPTN___IC 23720	51.27 3.73 0.00	47.88 3.01 0.00	49.97 2.85 0.00	49.44 2.71 0.00	44.62 2.35 0.00	46.38 2.83 0.00	60.46 4.09 0.00	42.82 3.66 0.00	43.62 3.43 0.00	54.20 4.73 0.00	101.65 8.56 -0.01	104.44 8.79 -3.81	89.38 8.19 -0.01	84.17 7.45 0.00	95.01 8.17 0.00	95.36 8.29 0.00	87.15 7.95 -0.73	109.40 10.05 -0.32	89.62 8.30 -5.85	83.80 7.69 -2.34	72.09 6.64 0.00	77.03 6.69 0.00	82.45 7.16 0.00	92.10 7.10 -0.32
SOUTHDOW_115KV_TB1 355954	46.66 -0.87 0.00	43.63 -1.24 0.00	45.94 -1.18 0.00	45.52 -1.20 0.00	41.41 -0.85 0.00	42.59 -0.96 0.00	54.87 -1.51 0.00	37.86 -1.31 0.00	38.94 -1.24 0.00	47.67 -1.80 0.00	88.85 -4.23 0.00	87.85 -3.98 0.00	77.72 -3.47 0.00	73.22 -3.50 0.00	82.63 -4.21 0.00	82.46 -4.61 0.00	73.58 -4.90 0.00	93.47 -5.56 0.00	70.10 -5.36 0.00	67.84 -5.93 0.00	60.54 -4.91 0.00	65.59 -4.74 0.00	71.02 -4.28 0.00	80.54 -4.15 0.00
SOUTHOLD_69_KV_BK 2 55809	51.84 4.31 0.00	48.38 3.52 0.00	50.45 3.33 0.00	49.80 3.07 0.00	44.74 2.47 0.00	46.48 2.93 0.00	60.67 4.30 0.00	42.97 3.80 0.00	43.61 3.42 0.00	54.33 4.86 0.00	101.87 8.78 -0.01	104.49 8.84 -3.81	89.77 8.58 -0.01	84.24 7.52 0.00	94.81 7.98 0.00	95.05 7.97 0.00	86.96 7.76 -0.73	109.26 9.91 -0.32	89.53 8.21 -5.85	83.62 7.51 -2.34	71.90 6.45 0.00	76.78 6.44 0.00	82.17 6.87 0.00	91.67 6.67 -0.32
SOUTHOLD___IC 23719	51.84 4.31 0.00	48.38 3.52 0.00	50.45 3.33 0.00	49.80 3.07 0.00	44.73 2.47 0.00	46.48 2.93 0.00	60.67 4.30 0.00	42.97 3.80 0.00	43.61 3.42 0.00	54.33 4.86 0.00	101.87 8.77 -0.01	104.49 8.85 -3.81	89.77 8.57 -0.01	84.24 7.52 0.00	94.81 7.98 0.00	95.04 7.97 0.00	86.96 7.76 -0.73	109.25 9.90 -0.32	89.53 8.21 -5.85	83.62 7.51 -2.34	71.90 6.45 0.00	76.78 6.44 0.00	82.17 6.87 0.00	91.67 6.67 -0.32
SOUTH_FORK_WT_PWR 323839	51.82 4.28 0.00	48.31 3.44 0.00	50.37 3.26 0.00	49.62 2.88 0.00	44.41 2.15 0.00	46.10 2.56 0.00	60.22 3.85 0.00	42.62 3.45 0.00	43.12 2.94 0.00	53.83 4.35 0.00	100.87 7.77 -0.01	103.41 7.77 -3.81	89.11 7.91 -0.01	83.39 6.67 0.00	93.64 6.81 0.00	93.74 6.67 0.00	85.81 6.60 -0.73	107.82 8.47 -0.32	88.46 7.14 -5.85	82.54 6.43 -2.34	70.92 5.47 0.00	75.73 5.39 0.00	81.10 5.80 0.00	90.48 5.48 -0.32
SPIERFLS_115KV_TB 1 80737	49.73 2.19 0.00	46.82 1.95 0.00	49.12 2.00 0.00	48.78 2.05 0.00	44.15 1.88 0.00	45.43 1.88 0.00	59.17 2.80 0.00	41.36 2.19 0.00	42.33 2.14 0.00	52.16 2.68 0.00	97.39 4.30 0.00	95.97 4.14 0.00	84.51 3.33 0.00	79.92 3.20 0.00	90.80 3.96 0.00	91.04 3.96 0.00	82.29 3.82 0.00	104.02 4.99 0.00	79.34 3.88 0.00	77.46 3.69 0.00	68.47 3.02 0.00	73.22 2.87 0.00	78.11 2.81 0.00	87.60 2.92 0.00
ST LAWRENCE____ 23600	47.95 0.41 0.00	45.36 0.49 0.00	47.69 0.57 0.00	47.26 0.53 0.00	42.75 0.49 0.00	43.93 0.38 0.00	56.62 0.25 0.00	39.05 -0.12 0.00	40.06 -0.13 0.00	49.30 -0.18 0.00	92.85 -0.24 0.00	91.65 -0.19 0.00	81.09 -0.10 0.00	76.37 -0.35 0.00	86.30 -0.54 0.00	86.70 -0.38 0.00	78.14 -0.33 0.00	98.52 -0.52 0.00	75.06 -0.41 0.00	73.53 -0.24 0.00	65.35 -0.10 0.00	70.56 0.22 0.00	75.67 0.38 0.00	85.35 0.67 0.00
STATE_CA_115KV_115_LB 55624	48.56 1.02 0.00	45.79 0.92 0.00	48.03 0.91 0.00	47.66 0.93 0.00	43.11 0.84 0.00	44.51 0.96 0.00	57.82 1.45 0.00	40.48 1.31 0.00	41.48 1.29 0.00	51.22 1.75 0.00	96.78 3.69 0.00	95.41 3.58 0.00	84.26 3.08 0.00	79.78 3.06 0.00	90.51 3.67 0.00	90.75 3.68 0.00	81.91 3.44 0.00	103.35 4.32 0.00	78.82 3.36 0.00	76.93 3.16 0.00	68.09 2.64 0.00	72.95 2.61 0.00	78.00 2.70 0.00	87.67 2.99 0.00

STATE_ST_34_KV_LOAD 55959	47.17 -0.36 0.00	44.42 -0.45 0.00	46.62 -0.50 0.00	46.09 -0.64 0.00	41.87 -0.39 0.00	43.24 -0.30 0.00	56.13 -0.25 0.00	38.88 -0.29 0.00	39.90 -0.29 0.00	49.04 -0.44 0.00	92.24 -0.86 0.00	91.35 -0.48 0.00	80.50 -0.69 0.00	76.27 -0.45 0.00	86.02 -0.82 0.00	86.49 -0.58 0.00	78.72 0.25 0.00	99.60 0.56 0.00	74.89 -0.57 0.00	72.95 -0.82 0.00	64.67 -0.79 0.00	69.34 -1.00 0.00	74.15 -1.15 0.00	83.33 -1.35 0.00
STATION 5_MISC_HYD 23604	45.84 -1.70 0.00	43.04 -1.83 0.00	45.29 -1.82 0.00	44.88 -1.85 0.00	40.75 -1.51 0.00	41.91 -1.64 0.00	54.15 -2.23 0.00	37.45 -1.72 0.00	38.52 -1.67 0.00	47.17 -2.31 0.00	88.07 -5.02 0.00	86.88 -4.96 0.00	76.84 -4.34 0.00	72.48 -4.24 0.00	81.95 -4.88 0.00	81.98 -5.09 0.00	73.60 -4.88 0.00	93.30 -5.73 0.00	70.39 -5.08 0.00	68.50 -5.28 0.00	60.88 -4.57 0.00	65.56 -4.78 0.00	70.62 -4.68 0.00	79.93 -4.75 0.00
STA_168_34_KV_BK1_2_REV_LBMP_B 345032	46.59 -0.95 0.00	43.76 -1.11 0.00	45.98 -1.14 0.00	45.58 -1.14 0.00	41.42 -0.85 0.00	42.66 -0.88 0.00	55.29 -1.08 0.00	38.38 -0.78 0.00	39.45 -0.74 0.00	48.37 -1.11 0.00	90.52 -2.57 0.00	89.23 -2.61 0.00	78.87 -2.32 0.00	74.46 -2.26 0.00	84.23 -2.61 0.00	84.30 -2.77 0.00	76.00 -2.47 0.00	96.24 -2.80 0.00	72.67 -2.80 0.00	70.76 -3.01 0.00	62.77 -2.68 0.00	67.43 -2.91 0.00	72.41 -2.89 0.00	81.65 -3.03 0.00
STA_56_34_KV_BUS2_REV_LBMP_B 345033	45.66 -1.88 0.00	42.87 -2.00 0.00	45.11 -2.01 0.00	44.70 -2.03 0.00	40.58 -1.68 0.00	41.76 -1.79 0.00	53.98 -2.40 0.00	37.36 -1.81 0.00	38.42 -1.77 0.00	47.07 -2.41 0.00	87.96 -5.13 0.00	86.73 -5.11 0.00	76.70 -4.49 0.00	72.36 -4.36 0.00	81.83 -5.01 0.00	81.88 -5.20 0.00	73.55 -4.92 0.00	93.21 -5.82 0.00	70.36 -5.10 0.00	68.44 -5.33 0.00	60.83 -4.62 0.00	65.48 -4.86 0.00	70.49 -4.80 0.00	79.73 -4.95 0.00
STA_56___34_KV_BUS2 355983	45.66 -1.88 0.00	42.87 -2.00 0.00	45.11 -2.01 0.00	44.70 -2.03 0.00	40.58 -1.68 0.00	41.76 -1.79 0.00	53.98 -2.40 0.00	37.36 -1.81 0.00	38.42 -1.77 0.00	47.07 -2.41 0.00	87.96 -5.13 0.00	86.73 -5.11 0.00	76.70 -4.49 0.00	72.36 -4.36 0.00	81.83 -5.01 0.00	81.88 -5.20 0.00	73.55 -4.92 0.00	93.21 -5.82 0.00	70.36 -5.10 0.00	68.44 -5.33 0.00	60.83 -4.62 0.00	65.48 -4.86 0.00	70.49 -4.80 0.00	79.73 -4.95 0.00
STA_67___115KV_BK2 355882	45.73 -1.80 0.00	42.94 -1.93 0.00	45.20 -1.92 0.00	44.77 -1.96 0.00	40.66 -1.61 0.00	41.81 -1.74 0.00	54.00 -2.38 0.00	37.35 -1.82 0.00	38.41 -1.78 0.00	47.02 -2.45 0.00	87.82 -5.28 0.00	86.61 -5.22 0.00	76.61 -4.58 0.00	72.24 -4.47 0.00	81.70 -5.13 0.00	81.72 -5.35 0.00	73.39 -5.08 0.00	93.01 -6.03 0.00	70.18 -5.28 0.00	68.29 -5.48 0.00	60.68 -4.77 0.00	65.37 -4.97 0.00	70.44 -4.86 0.00	79.74 -4.94 0.00
STA_7___115KV_9TRANS 80674	46.10 -1.44 0.00	43.26 -1.61 0.00	45.53 -1.59 0.00	45.11 -1.62 0.00	40.96 -1.30 0.00	42.14 -1.41 0.00	54.44 -1.93 0.00	37.68 -1.49 0.00	38.77 -1.42 0.00	47.47 -2.01 0.00	88.66 -4.43 0.00	87.45 -4.39 0.00	77.35 -3.83 0.00	72.96 -3.76 0.00	82.49 -4.34 0.00	82.53 -4.55 0.00	74.12 -4.35 0.00	93.99 -5.04 0.00	70.93 -4.53 0.00	69.00 -4.77 0.00	61.32 -4.13 0.00	66.01 -4.33 0.00	71.08 -4.21 0.00	80.40 -4.28 0.00
STA_82___115KV_TB1 80780	45.74 -1.80 0.00	42.95 -1.92 0.00	45.20 -1.92 0.00	44.78 -1.95 0.00	40.67 -1.60 0.00	41.82 -1.73 0.00	54.03 -2.34 0.00	37.36 -1.81 0.00	38.41 -1.78 0.00	47.05 -2.43 0.00	87.85 -5.24 0.00	86.63 -5.21 0.00	76.62 -4.57 0.00	72.26 -4.46 0.00	81.71 -5.13 0.00	81.73 -5.35 0.00	73.39 -5.08 0.00	93.02 -6.01 0.00	70.21 -5.25 0.00	68.29 -5.48 0.00	60.71 -4.75 0.00	65.38 -4.96 0.00	70.45 -4.85 0.00	79.76 -4.93 0.00
STEEL___WIND 323596	45.53 -2.01 0.00	42.62 -2.25 0.00	44.88 -2.24 0.00	44.47 -2.26 0.00	40.42 -1.85 0.00	41.44 -2.11 0.00	53.22 -3.15 0.00	36.56 -2.61 0.00	37.62 -2.57 0.00	45.95 -3.53 0.00	85.36 -7.73 0.00	84.28 -7.55 0.00	74.70 -6.49 0.00	70.27 -6.45 0.00	79.54 -7.30 0.00	79.24 -7.83 0.00	70.78 -7.69 0.00	89.76 -9.27 0.00	67.29 -8.17 0.00	65.28 -8.49 0.00	58.27 -7.18 0.00	63.10 -7.25 0.00	68.38 -6.92 0.00	77.98 -6.70 0.00
STEPHTWN_115KV_BK_2 55603	49.04 1.51 0.00	46.14 1.27 0.00	48.38 1.26 0.00	48.02 1.29 0.00	43.45 1.19 0.00	44.91 1.37 0.00	58.40 2.03 0.00	40.88 1.72 0.00	41.90 1.71 0.00	51.77 2.29 0.00	97.80 4.71 0.00	96.33 4.49 0.00	85.06 3.87 0.00	80.56 3.84 0.00	91.43 4.59 0.00	91.63 4.56 0.00	82.75 4.28 0.00	104.69 5.65 0.00	79.79 4.32 0.00	77.82 4.05 0.00	68.86 3.41 0.00	73.88 3.54 0.00	78.87 3.57 0.00	88.39 3.71 0.00
STEUBEN_REC_LFGE 323667	46.92 -0.62 0.00	43.85 -1.01 0.00	45.76 -1.37 0.00	45.30 -1.43 0.00	41.28 -0.99 0.00	42.42 -1.12 0.00	54.99 -1.38 0.00	38.10 -1.07 0.00	39.20 -0.99 0.00	48.11 -1.37 0.00	90.33 -2.76 0.00	89.48 -2.35 0.00	79.43 -1.76 0.00	75.07 -1.65 0.00	85.09 -1.75 0.00	84.86 -2.21 0.00	76.15 -2.32 0.00	96.33 -2.70 0.00	72.49 -2.98 0.00	70.10 -3.67 0.00	61.91 -3.55 0.00	66.51 -3.83 0.00	71.45 -3.85 0.00	80.39 -4.29 0.00
STILLWATER___SOLAR 323814	49.96 2.43 0.00	47.09 2.22 0.00	49.39 2.27 0.00	49.02 2.29 0.00	44.37 2.10 0.00	45.79 2.24 0.00	59.56 3.19 0.00	41.64 3.19 0.00	42.67 2.48 0.00	52.55 3.08 0.00	99.33 6.25 0.00	97.87 6.03 0.00	86.03 4.84 0.00	80.87 4.15 0.00	91.57 4.73 0.00	91.81 4.73 0.00	82.92 4.46 0.00	104.80 5.77 0.00	79.89 4.43 0.00	78.01 4.24 0.00	69.02 3.57 0.00	73.91 3.57 0.00	78.97 3.67 0.00	88.55 3.87 0.00
STONY___BROOK 24151	50.59 3.06 0.00	47.29 2.42 0.00	49.36 2.24 0.00	48.94 2.21 0.00	44.30 2.04 0.00	46.03 2.48 0.00	59.99 3.62 0.00	42.50 3.33 0.00	43.39 3.20 0.00	53.89 4.42 0.00	101.51 8.41 -0.01	104.43 8.80 -3.80	88.86 7.66 -0.01	83.80 7.08 0.00	94.76 7.92 0.00	95.11 8.03 0.00	86.77 7.57 -0.73	108.83 9.48 -0.32	89.20 7.86 -5.88	83.42 7.30 -2.35	71.82 6.37 0.00	76.77 6.43 0.00	82.17 6.87 0.00	91.89 6.88 -0.32
STURGEON_POOL_HYD 23609	50.29 2.76 0.00	47.16 2.29 0.00	49.24 2.13 0.00	48.90 2.17 0.00	44.36 2.10 0.00	45.94 2.39 0.00	59.94 3.57 0.00	42.29 3.13 0.00	43.49 3.30 0.00	53.60 4.13 0.00	100.87 7.78 0.00	99.82 7.98 0.00	88.18 6.99 0.00	83.53 6.81 0.00	94.79 7.95 0.00	95.02 7.94 0.00	85.81 7.34 0.00	108.43 9.39 0.00	82.91 7.45 0.00	80.83 7.06 0.00	71.48 6.03 0.00	76.45 6.11 0.00	81.51 6.21 0.00	90.87 6.19 0.00
ST_LAW_115_BK7_LBMP 345037	47.94 0.40 0.00	45.36 0.49 0.00	47.69 0.57 0.00	47.26 0.53 0.00	42.75 0.49 0.00	43.92 0.37 0.00	56.61 0.23 0.00	39.04 -0.13 0.00	40.06 -0.13 0.00	49.30 -0.18 0.00	92.84 -0.25 0.00	91.64 -0.19 0.00	81.08 -0.11 0.00	76.33 -0.39 0.00	86.24 -0.60 0.00	86.65 -0.42 0.00	78.10 -0.37 0.00	98.50 -0.53 0.00	75.04 -0.42 0.00	73.50 -0.27 0.00	65.35 -0.11 0.00	70.59 0.25 0.00	75.73 0.43 0.00	85.42 0.74 0.00

ST_LAW_115_BK8_LBMP 345038	47.94 0.40 0.00	45.36 0.49 0.00	47.69 0.57 0.00	47.26 0.53 0.00	42.75 0.49 0.00	43.92 0.37 0.00	56.61 0.23 0.00	39.04 -0.13 0.00	40.06 -0.13 0.00	49.30 -0.18 0.00	92.84 -0.25 0.00	91.64 -0.19 0.00	81.08 -0.11 0.00	76.33 -0.39 0.00	86.24 -0.60 0.00	86.65 -0.42 0.00	78.10 -0.37 0.00	98.50 -0.53 0.00	75.04 -0.42 0.00	73.50 -0.27 0.00	65.35 -0.11 0.00	70.59 0.25 0.00	75.73 0.43 0.00	85.42 0.74 0.00
ST_LAW_230_BK5_LBMP 345035	47.95 0.41 0.00	45.36 0.49 0.00	47.69 0.57 0.00	47.26 0.53 0.00	42.75 0.49 0.00	43.93 0.38 0.00	56.62 0.25 0.00	39.05 -0.12 0.00	40.06 -0.13 0.00	49.30 -0.18 0.00	92.85 -0.24 0.00	91.65 -0.19 0.00	81.09 -0.10 0.00	76.37 -0.35 0.00	86.30 -0.54 0.00	86.70 -0.38 0.00	78.14 -0.33 0.00	98.52 -0.52 0.00	75.06 -0.41 0.00	73.53 -0.24 0.00	65.35 -0.10 0.00	70.56 0.22 0.00	75.67 0.38 0.00	85.35 0.67 0.00
ST_LAW_230_BK6_LBMP 345036	47.95 0.41 0.00	45.36 0.49 0.00	47.69 0.57 0.00	47.26 0.53 0.00	42.75 0.49 0.00	43.93 0.38 0.00	56.62 0.25 0.00	39.05 -0.12 0.00	40.06 -0.13 0.00	49.30 -0.18 0.00	92.85 -0.24 0.00	91.65 -0.19 0.00	81.09 -0.10 0.00	76.37 -0.35 0.00	86.30 -0.54 0.00	86.70 -0.38 0.00	78.14 -0.33 0.00	98.52 -0.52 0.00	75.06 -0.41 0.00	73.53 -0.24 0.00	65.35 -0.10 0.00	70.56 0.22 0.00	75.67 0.38 0.00	85.35 0.67 0.00
SUGRLOAF_69_KV_LOAD_REV_LBMP_G 345026	48.92 1.39 0.00	45.95 1.08 0.00	48.05 0.93 0.00	47.72 0.99 0.00	43.26 0.99 0.00	44.69 1.15 0.00	58.17 1.80 0.00	40.89 1.72 0.00	42.00 1.81 0.00	51.73 2.26 0.00	97.34 4.25 0.00	96.20 4.37 0.00	85.00 3.81 0.00	80.50 3.78 0.00	91.31 4.47 0.00	91.51 4.44 0.00	82.62 4.15 0.00	104.28 5.24 0.00	79.76 4.29 0.00	77.76 3.99 0.00	68.84 3.39 0.00	73.70 3.36 0.00	78.73 3.44 0.00	88.01 3.33 0.00
SWANROAD_115KV_TB1 355699	44.11 -3.42 0.00	41.31 -3.56 0.00	43.58 -3.54 0.00	43.17 -3.56 0.00	39.21 -3.05 0.00	40.10 -3.45 0.00	51.22 -5.15 0.00	34.92 -4.25 0.00	36.01 -4.18 0.00	43.85 -5.63 0.00	81.16 -11.93 0.00	80.06 -11.77 0.00	70.85 -10.34 0.00	66.69 -10.03 0.00	75.42 -11.42 0.00	75.32 -11.75 0.00	67.21 -11.26 0.00	85.24 -13.79 0.00	63.89 -11.57 0.00	62.03 -11.74 0.00	55.44 -10.02 0.00	60.17 -10.17 0.00	65.32 -9.98 0.00	75.02 -9.66 0.00
SYNERGY___BIOGAS 323694	46.40 -1.14 0.00	43.45 -1.42 0.00	45.76 -1.36 0.00	45.33 -1.40 0.00	41.20 -1.06 0.00	42.28 -1.27 0.00	54.43 -1.95 0.00	37.46 -1.71 0.00	38.60 -1.59 0.00	47.12 -2.36 0.00	87.63 -5.46 0.00	86.43 -5.41 0.00	76.46 -4.72 0.00	71.98 -4.75 0.00	81.25 -5.58 0.00	80.94 -6.13 0.00	72.53 -5.94 0.00	92.12 -6.91 0.00	69.16 -6.30 0.00	67.17 -6.60 0.00	59.85 -5.60 0.00	64.60 -5.74 0.00	69.81 -5.49 0.00	79.46 -5.22 0.00
SYRACUSE___ENERGY_ST1 323597	46.71 -0.83 0.00	44.02 -0.85 0.00	46.21 -0.91 0.00	45.82 -0.91 0.00	41.48 -0.79 0.00	42.82 -0.73 0.00	55.56 -0.81 0.00	38.66 -0.51 0.00	39.68 -0.51 0.00	48.78 -0.69 0.00	91.71 -1.38 0.00	90.52 -1.31 0.00	79.98 -1.20 0.00	75.61 -1.11 0.00	85.55 -1.29 0.00	85.78 -1.30 0.00	77.89 -0.58 0.00	98.43 -0.60 0.00	74.41 -1.05 0.00	72.58 -1.19 0.00	64.30 -1.15 0.00	68.96 -1.38 0.00	73.78 -1.51 0.00	82.94 -1.75 0.00
SYRACUSE___ENERGY_ST2 323598	46.71 -0.83 0.00	44.02 -0.85 0.00	46.21 -0.91 0.00	45.82 -0.91 0.00	41.48 -0.79 0.00	42.82 -0.73 0.00	55.56 -0.81 0.00	38.66 -0.51 0.00	39.68 -0.51 0.00	48.78 -0.69 0.00	91.71 -1.38 0.00	90.52 -1.31 0.00	79.98 -1.20 0.00	75.61 -1.11 0.00	85.55 -1.29 0.00	85.78 -1.30 0.00	77.89 -0.58 0.00	98.43 -0.60 0.00	74.41 -1.05 0.00	72.58 -1.19 0.00	64.30 -1.15 0.00	68.96 -1.38 0.00	73.78 -1.51 0.00	82.94 -1.75 0.00
SYRACUSE___POWER 24017	46.80 -0.74 0.00	44.10 -0.77 0.00	46.29 -0.83 0.00	45.90 -0.82 0.00	41.57 -0.70 0.00	42.89 -0.66 0.00	55.68 -0.69 0.00	38.78 -0.39 0.00	39.82 -0.37 0.00	48.96 -0.52 0.00	92.01 -1.08 0.00	90.81 -1.03 0.00	80.25 -0.93 0.00	75.85 -0.87 0.00	85.89 -0.95 0.00	86.04 -1.04 0.00	77.68 -0.79 0.00	98.15 -0.89 0.00	74.42 -1.04 0.00	72.62 -1.15 0.00	64.35 -1.10 0.00	69.03 -1.31 0.00	73.84 -1.46 0.00	82.98 -1.70 0.00
TALLMAN___138KV_BK151 55660	48.95 1.41 0.00	45.95 1.08 0.00	48.03 0.91 0.00	47.70 0.97 0.00	43.27 1.00 0.00	44.71 1.16 0.00	58.18 1.81 0.00	40.94 1.77 0.00	42.04 1.84 0.00	51.78 2.30 0.00	97.40 4.32 0.00	96.28 4.45 0.00	85.05 3.86 0.00	80.55 3.83 0.00	91.38 4.55 0.00	91.57 4.50 0.00	82.67 4.20 0.00	104.33 5.30 0.00	79.84 4.38 0.00	77.83 4.05 0.00	68.90 3.45 0.00	73.75 3.41 0.00	78.80 3.50 0.00	88.05 3.37 0.00
TEALLAVE_115KV_TB7 355573	46.51 -1.03 0.00	43.82 -1.05 0.00	46.00 -1.12 0.00	45.61 -1.12 0.00	41.31 -0.96 0.00	42.61 -0.94 0.00	55.31 -1.06 0.00	38.52 -0.65 0.00	39.56 -0.63 0.00	48.62 -0.85 0.00	91.36 -1.74 0.00	90.13 -1.70 0.00	79.67 -1.52 0.00	75.31 -1.42 0.00	85.27 -1.56 0.00	85.42 -1.65 0.00	77.04 -1.43 0.00	97.31 -1.72 0.00	73.83 -1.64 0.00	72.06 -1.72 0.00	63.86 -1.59 0.00	68.52 -1.82 0.00	73.31 -1.99 0.00	82.42 -2.26 0.00
TELGRAPH_34_KV_EAST 80808	45.51 -2.02 0.00	42.62 -2.25 0.00	44.92 -2.20 0.00	44.48 -2.25 0.00	40.41 -1.85 0.00	41.37 -2.18 0.00	53.06 -3.31 0.00	36.36 -2.81 0.00	37.48 -2.70 0.00	45.73 -3.75 0.00	84.85 -8.24 0.00	83.71 -8.13 0.00	74.05 -7.14 0.00	69.72 -7.00 0.00	78.64 -8.20 0.00	78.27 -8.80 0.00	69.98 -8.49 0.00	88.79 -10.24 0.00	66.59 -8.87 0.00	64.67 -9.10 0.00	57.70 -7.75 0.00	62.44 -7.90 0.00	67.64 -7.66 0.00	77.26 -7.42 0.00
TEMPLE___115KV_TB 2 55572	46.52 -1.02 0.00	43.84 -1.03 0.00	46.02 -1.10 0.00	45.64 -1.09 0.00	41.32 -0.95 0.00	42.63 -0.91 0.00	55.33 -1.05 0.00	38.54 -0.63 0.00	39.58 -0.61 0.00	48.66 -0.82 0.00	91.42 -1.67 0.00	90.18 -1.65 0.00	79.73 -1.45 0.00	75.36 -1.36 0.00	85.34 -1.49 0.00	85.48 -1.59 0.00	77.09 -1.38 0.00	97.39 -1.65 0.00	73.87 -1.59 0.00	72.07 -1.70 0.00	63.88 -1.57 0.00	68.54 -1.80 0.00	73.35 -1.95 0.00	82.47 -2.21 0.00
TIANA____69_KV_BK 1 55817	51.16 3.62 0.00	47.78 2.91 0.00	49.85 2.73 0.00	49.37 2.64 0.00	44.61 2.34 0.00	46.37 2.82 0.00	60.43 4.06 0.00	42.82 3.65 0.00	43.64 3.46 0.00	54.20 4.73 0.00	101.69 8.59 0.00	104.51 8.86 0.00	89.35 8.15 0.00	84.21 7.49 0.00	95.09 8.25 0.00	95.49 8.41 0.00	87.23 8.04 0.00	109.54 10.18 0.00	89.71 8.40 0.00	83.91 7.80 0.00	72.21 6.76 0.00	77.15 6.81 0.00	82.56 7.26 0.00	92.26 7.25 0.00
TILDEN___115KV_TB1 80814	46.80 -0.74 0.00	44.10 -0.77 0.00	46.29 -0.83 0.00	45.90 -0.82 0.00	41.57 -0.70 0.00	42.89 -0.66 0.00	55.68 -0.69 0.00	38.78 -0.39 0.00	39.82 -0.37 0.00	48.96 -0.52 0.00	92.01 -1.08 0.00	90.81 -1.03 0.00	80.25 -0.93 0.00	75.85 -0.87 0.00	85.89 -0.95 0.00	86.04 -1.04 0.00	77.68 -0.79 0.00	98.15 -0.89 0.00	74.42 -1.04 0.00	72.62 -1.15 0.00	64.35 -1.10 0.00	69.03 -1.31 0.00	73.84 -1.46 0.00	82.98 -1.70 0.00

TRIGEN___CC 323695	49.85 2.31 0.00	46.67 1.80 0.00	48.74 1.62 0.00	48.37 1.64 0.00	43.82 1.55 0.00	45.42 1.87 0.00	59.10 2.73 0.00	41.75 2.58 0.00	42.76 2.57 0.00	52.91 3.44 0.00	99.72 6.63 0.00	100.10 6.83 -1.43	87.01 5.82 0.00	82.15 5.43 0.00	93.18 6.35 0.00	93.40 6.33 0.00	85.66 5.91 -1.28	107.01 7.41 -0.56	91.40 6.13 -9.80	83.61 5.71 -4.13	70.41 4.96 0.00	75.31 4.97 0.00	80.52 5.22 0.00	90.51 5.26 -0.57
TRINITY___115KV___4 BK 55933	48.41 0.88 0.00	45.65 0.79 0.00	47.89 0.78 0.00	47.53 0.80 0.00	42.98 0.72 0.00	44.36 0.81 0.00	57.62 1.24 0.00	40.33 1.16 0.00	41.33 1.14 0.00	51.02 1.55 0.00	96.41 3.32 0.00	95.05 3.21 0.00	83.92 2.74 0.00	79.46 2.74 0.00	90.16 3.32 0.00	90.38 3.31 0.00	81.56 3.09 0.00	102.93 3.89 0.00	78.50 3.04 0.00	76.63 2.85 0.00	67.82 2.37 0.00	72.67 2.33 0.00	77.70 2.40 0.00	87.37 2.69 0.00
UNION___PROCESSING_DRP 323587	45.75 -1.79 0.00	42.95 -1.92 0.00	45.21 -1.91 0.00	44.80 -1.93 0.00	40.67 -1.59 0.00	41.83 -1.71 0.00	54.03 -2.34 0.00	37.37 -1.80 0.00	38.43 -1.76 0.00	47.07 -2.41 0.00	87.88 -5.21 0.00	86.66 -5.17 0.00	76.64 -4.55 0.00	72.30 -4.42 0.00	81.74 -5.10 0.00	81.79 -5.29 0.00	73.42 -5.05 0.00	93.06 -5.97 0.00	70.22 -5.24 0.00	68.31 -5.46 0.00	60.72 -4.74 0.00	65.41 -4.93 0.00	70.46 -4.84 0.00	79.76 -4.92 0.00
UPPER HUDSON___HYD 24058	49.73 2.19 0.00	46.82 1.95 0.00	49.12 2.00 0.00	48.78 2.05 0.00	44.15 1.88 0.00	45.42 1.88 0.00	59.17 2.80 0.00	41.36 2.19 0.00	42.33 2.14 0.00	52.16 2.68 0.00	97.39 4.30 0.00	95.98 4.14 0.00	84.52 3.33 0.00	79.92 3.20 0.00	90.80 3.96 0.00	91.04 3.96 0.00	82.29 3.82 0.00	104.02 4.99 0.00	79.34 3.88 0.00	77.46 3.69 0.00	68.48 3.02 0.00	73.21 2.88 0.00	78.11 2.81 0.00	87.60 2.92 0.00
UPPER RAQUET___HYD 24056	50.32 2.79 0.00	51.46 6.59 0.00	53.93 6.81 0.00	49.51 2.78 0.00	44.13 1.86 0.00	44.75 1.21 0.00	56.88 0.51 0.00	38.90 -0.27 0.00	39.84 -0.35 0.00	48.70 -0.77 0.00	91.60 -1.49 0.00	89.67 -2.16 0.00	80.53 -0.65 0.00	75.78 -0.94 0.00	85.58 -1.26 0.00	85.92 -1.16 0.00	77.55 -0.92 0.00	97.84 -1.19 0.00	74.55 -0.91 0.00	72.96 -0.80 0.00	64.85 -0.60 0.00	70.42 0.07 0.00	75.72 0.42 0.00	85.36 0.69 0.00
VALLEY44_115KV_TB2 355964	45.78 -1.75 0.00	42.92 -1.95 0.00	45.18 -1.95 0.00	44.82 -1.91 0.00	40.87 -1.39 0.00	41.98 -1.57 0.00	54.02 -2.35 0.00	37.12 -2.05 0.00	38.00 -2.19 0.00	46.50 -2.97 0.00	87.04 -6.05 0.00	86.04 -5.79 0.00	76.48 -4.70 0.00	72.06 -4.66 0.00	81.87 -4.96 0.00	81.25 -5.82 0.00	72.25 -6.22 0.00	91.93 -7.10 0.00	69.43 -6.03 0.00	67.47 -6.31 0.00	60.04 -5.42 0.00	64.97 -5.37 0.00	70.53 -4.77 0.00	79.47 -5.22 0.00
VALLEY___115KV_TB 1-4 80826	47.95 0.41 0.00	45.15 0.28 0.00	47.31 0.19 0.00	46.84 0.11 0.00	42.39 0.12 0.00	43.82 0.28 0.00	56.95 0.57 0.00	39.93 0.75 0.00	40.92 0.74 0.00	50.48 1.01 0.00	95.10 2.01 0.00	93.98 2.14 0.00	83.14 1.96 0.00	78.78 2.06 0.00	89.40 2.57 0.00	89.49 2.42 0.00	80.73 2.26 0.00	102.06 3.03 0.00	77.89 2.43 0.00	76.06 2.29 0.00	67.25 1.80 0.00	71.91 1.57 0.00	76.83 1.53 0.00	85.91 1.23 0.00
VINEGAR_115_KV_917_CH_LD_REV_LBMP_E 345011	50.09 2.55 0.00	47.21 2.35 0.00	49.64 2.52 0.00	49.29 2.56 0.00	44.54 2.28 0.00	46.05 2.50 0.00	59.96 3.59 0.00	41.82 2.65 0.00	42.95 2.76 0.00	52.80 3.33 0.00	99.42 6.33 0.00	98.11 6.28 0.00	86.72 5.54 0.00	82.16 5.44 0.00	93.07 6.23 0.00	93.33 6.25 0.00	84.28 5.81 0.00	106.50 7.47 0.00	81.07 5.61 0.00	79.23 5.46 0.00	70.19 4.73 0.00	75.23 4.89 0.00	80.53 5.23 0.00	90.16 5.48 0.00
VISCHER___FERRY HYD 24020	49.27 1.74 0.00	46.46 1.59 0.00	48.74 1.62 0.00	48.36 1.63 0.00	43.75 1.49 0.00	45.14 1.60 0.00	58.67 2.29 0.00	41.04 1.87 0.00	42.07 1.88 0.00	51.84 2.36 0.00	97.66 4.57 0.00	96.29 4.45 0.00	84.87 3.68 0.00	80.25 3.53 0.00	91.01 4.18 0.00	91.20 4.13 0.00	82.33 3.85 0.00	104.00 4.97 0.00	79.30 3.84 0.00	77.44 3.67 0.00	68.54 3.09 0.00	73.40 3.06 0.00	78.48 3.18 0.00	88.10 3.42 0.00
V_A_10_SYNC_DSASP 323832	44.62 -2.92 0.00	41.85 -3.02 0.00	44.11 -3.01 0.00	43.69 -3.04 0.00	39.71 -2.55 0.00	40.72 -2.83 0.00	52.32 -4.05 0.00	35.97 -3.20 0.00	36.99 -3.20 0.00	45.19 -4.29 0.00	84.07 -9.02 0.00	82.92 -8.91 0.00	73.37 -7.81 0.00	69.13 -7.59 0.00	78.19 -8.64 0.00	78.12 -8.96 0.00	69.88 -8.59 0.00	88.62 -10.41 0.00	66.64 -8.82 0.00	64.77 -9.00 0.00	57.72 -7.73 0.00	62.42 -7.92 0.00	67.63 -7.67 0.00	76.95 -7.73 0.00
V_CMM_10_SYNC_DSASP 323787	48.18 0.64 0.00	45.58 0.71 0.00	47.92 0.81 0.00	47.49 0.76 0.00	42.96 0.69 0.00	44.14 0.59 0.00	56.90 0.53 0.00	39.26 0.09 0.00	40.27 0.08 0.00	49.55 0.08 0.00	93.35 0.26 0.00	92.14 0.31 0.00	81.52 0.33 0.00	76.75 0.03 0.00	86.71 -0.13 0.00	87.13 0.05 0.00	78.54 0.07 0.00	99.02 -0.02 0.00	75.44 -0.02 0.00	73.88 0.11 0.00	65.68 0.23 0.00	70.94 0.60 0.00	76.11 0.81 0.00	85.86 1.18 0.00
V_CMP_10_SYNC_DSASP 323788	48.88 1.35 0.00	46.31 1.44 0.00	48.83 1.71 0.00	48.24 1.51 0.00	43.66 1.40 0.00	44.83 1.28 0.00	57.69 1.31 0.00	40.01 0.84 0.00	40.94 0.75 0.00	50.42 0.95 0.00	94.70 1.61 0.00	93.36 1.53 0.00	83.04 1.85 0.00	78.06 1.34 0.00	88.65 1.82 0.00	88.31 1.23 0.00	79.99 1.52 0.00	100.45 1.42 0.00	76.82 1.36 0.00	75.36 1.59 0.00	66.82 1.37 0.00	72.14 1.80 0.00	77.33 2.03 0.00	87.14 2.45 0.00
V_D_10_SYNC_DSASP 323841	48.38 0.85 0.00	45.77 0.90 0.00	48.11 1.00 0.00	47.68 0.96 0.00	43.14 0.88 0.00	44.33 0.78 0.00	57.14 0.76 0.00	39.42 0.25 0.00	40.46 0.27 0.00	49.78 0.30 0.00	93.75 0.65 0.00	92.51 0.68 0.00	81.77 0.58 0.00	76.98 0.26 0.00	86.97 0.14 0.00	87.40 0.32 0.00	78.79 0.32 0.00	99.34 0.31 0.00	75.70 0.24 0.00	74.11 0.33 0.00	65.88 0.43 0.00	71.22 0.88 0.00	76.44 1.14 0.00	86.20 1.52 0.00
V_E_10_SYNC_DSASP 323830	51.57 4.04 0.00	48.43 3.56 0.00	50.82 3.70 0.00	50.41 3.68 0.00	45.65 3.39 0.00	47.27 3.72 0.00	62.12 5.75 0.00	46.70 7.53 0.00	47.82 7.63 0.00	57.95 8.47 0.00	102.59 9.50 0.00	101.59 9.75 0.00	90.03 8.84 0.00	85.07 8.35 0.00	96.35 9.51 0.00	96.63 9.56 0.00	87.36 8.88 0.00	110.56 11.53 0.00	83.80 8.33 0.00	81.75 7.97 0.00	72.25 6.80 0.00	77.09 6.75 0.00	81.84 6.54 0.00	91.00 6.32 0.00
V_F_30_NSYNC___DSASP 323816	50.06 2.52 0.00	47.18 2.31 0.00	49.49 2.38 0.00	49.13 2.40 0.00	44.46 2.20 0.00	45.89 2.34 0.00	59.69 3.31 0.00	41.73 2.56 0.00	42.77 2.58 0.00	52.67 3.19 0.00	99.69 6.60 0.00	98.23 6.40 0.00	86.31 5.12 0.00	81.00 4.28 0.00	91.67 4.83 0.00	91.92 4.84 0.00	83.02 4.55 0.00	104.93 5.90 0.00	79.97 4.51 0.00	78.10 4.33 0.00	69.10 3.64 0.00	73.97 3.64 0.00	79.04 3.74 0.00	88.68 4.00 0.00



V_F_30_SYNC_DSASP 323786	48.55 1.02 0.00	45.78 0.92 0.00	48.03 0.91 0.00	47.66 0.93 0.00	43.11 0.84 0.00	44.51 0.96 0.00	57.82 1.45 0.00	40.48 1.31 0.00	41.47 1.28 0.00	51.21 1.74 0.00	96.77 3.68 0.00	95.40 3.57 0.00	84.26 3.07 0.00	79.76 3.04 0.00	90.50 3.67 0.00	90.74 3.66 0.00	81.90 3.42 0.00	103.35 4.32 0.00	78.82 3.36 0.00	76.93 3.15 0.00	68.09 2.64 0.00	72.93 2.60 0.00	77.98 2.68 0.00	87.66 2.98 0.00
V_XM_10_SYNC_DSASP 323789	48.88 1.35 0.00	46.31 1.44 0.00	48.83 1.71 0.00	48.24 1.51 0.00	43.66 1.40 0.00	44.83 1.28 0.00	57.69 1.31 0.00	40.01 0.84 0.00	40.94 0.75 0.00	50.42 0.95 0.00	94.70 1.61 0.00	93.36 1.53 0.00	83.04 1.85 0.00	78.06 1.34 0.00	88.65 1.82 0.00	88.31 1.23 0.00	79.99 1.52 0.00	100.45 1.42 0.00	76.82 1.36 0.00	75.36 1.59 0.00	66.82 1.37 0.00	72.14 1.80 0.00	77.33 2.03 0.00	87.14 2.45 0.00
W.NYACK_69_KV_BK 521_REV_LBMP_G 345027	49.07 1.54 0.00	46.06 1.19 0.00	48.14 1.03 0.00	47.82 1.09 0.00	43.38 1.12 0.00	44.83 1.28 0.00	58.35 1.98 0.00	41.06 1.89 0.00	42.17 1.98 0.00	51.95 2.48 0.00	97.70 4.61 0.00	96.59 4.75 0.00	85.33 4.14 0.00	80.81 4.09 0.00	91.66 4.83 0.00	91.85 4.78 0.00	82.92 4.45 0.00	104.67 5.64 0.00	80.10 4.64 0.00	78.08 4.31 0.00	69.13 3.68 0.00	73.99 3.65 0.00	79.02 3.73 0.00	88.29 3.61 0.00
W49TH_ST_138_KV_38M43_REV_LBMP_J 345008	49.45 1.91 0.00	46.36 1.50 0.00	48.44 1.32 0.00	48.10 1.37 0.00	43.61 1.35 0.00	45.12 1.58 0.00	58.84 2.47 0.00	41.46 2.29 0.00	42.62 2.43 0.00	52.53 3.06 0.00	98.92 5.84 0.00	97.86 6.02 0.00	86.41 5.23 0.00	81.82 5.10 0.00	92.84 6.01 0.00	93.04 5.96 0.00	83.98 5.51 0.00	105.90 6.87 0.00	81.04 5.58 0.00	78.96 5.19 0.00	69.84 4.39 0.00	74.75 4.41 0.00	79.85 4.55 0.00	89.15 4.47 0.00
W50THST__13_KV_LOAD 356117	49.65 2.12 0.00	46.57 1.70 0.00	48.63 1.51 0.00	48.28 1.55 0.00	43.80 1.53 0.00	45.31 1.76 0.00	59.12 2.74 0.00	41.66 2.49 0.00	42.85 2.66 0.00	52.84 3.37 0.00	99.51 6.42 0.00	98.43 6.60 0.00	86.94 5.75 0.00	82.30 5.58 0.00	93.38 6.54 0.00	93.58 6.50 0.00	84.47 6.00 0.00	106.48 7.45 0.00	81.48 6.01 0.00	79.34 5.57 0.00	70.19 4.73 0.00	75.10 4.76 0.00	80.20 4.90 0.00	89.51 4.82 0.00
WADING RIVER_IC_1 23522	50.93 3.40 0.00	47.59 2.72 0.00	49.64 2.52 0.00	49.18 2.45 0.00	44.48 2.21 0.00	46.24 2.70 0.00	60.24 3.87 0.00	42.68 3.51 0.00	43.54 3.35 0.00	54.05 4.57 0.00	101.20 8.10 -0.01	104.10 8.45 -3.81	89.02 7.82 -0.01	83.98 7.25 0.00	94.90 8.06 0.00	95.32 8.24 0.00	87.08 7.88 -0.73	109.33 9.98 -0.32	89.58 8.26 -5.85	83.79 7.68 -2.34	72.11 6.66 0.00	77.05 6.71 0.00	82.45 7.15 0.00	92.15 7.15 -0.32
WADING RIVER_IC_2 23547	50.93 3.40 0.00	47.59 2.72 0.00	49.64 2.52 0.00	49.18 2.45 0.00	44.48 2.21 0.00	46.24 2.70 0.00	60.24 3.87 0.00	42.68 3.51 0.00	43.54 3.35 0.00	54.05 4.57 0.00	101.20 8.10 -0.01	104.10 8.45 -3.81	89.02 7.82 -0.01	83.98 7.25 0.00	94.90 8.06 0.00	95.32 8.24 0.00	87.08 7.88 -0.73	109.33 9.98 -0.32	89.58 8.26 -5.85	83.79 7.68 -2.34	72.11 6.66 0.00	77.05 6.71 0.00	82.45 7.15 0.00	92.15 7.15 -0.32
WADING RIVER_IC_3 23601	50.93 3.40 0.00	47.59 2.72 0.00	49.64 2.52 0.00	49.18 2.45 0.00	44.48 2.21 0.00	46.24 2.70 0.00	60.24 3.87 0.00	42.68 3.51 0.00	43.54 3.35 0.00	54.05 4.57 0.00	101.20 8.10 -0.01	104.10 8.45 -3.81	89.02 7.82 -0.01	83.98 7.25 0.00	94.90 8.06 0.00	95.32 8.24 0.00	87.08 7.88 -0.73	109.33 9.98 -0.32	89.58 8.26 -5.85	83.79 7.68 -2.34	72.11 6.66 0.00	77.05 6.71 0.00	82.45 7.15 0.00	92.15 7.15 -0.32
WALDENNY_12_KV_BK2 80841	45.54 -2.00 0.00	42.63 -2.24 0.00	44.91 -2.21 0.00	44.49 -2.24 0.00	40.45 -1.82 0.00	41.45 -2.10 0.00	53.21 -3.16 0.00	36.55 -2.62 0.00	37.62 -2.57 0.00	45.97 -3.50 0.00	85.35 -7.74 0.00	84.28 -7.55 0.00	74.59 -6.60 0.00	70.24 -6.48 0.00	79.45 -7.39 0.00	79.21 -7.86 0.00	70.79 -7.68 0.00	89.79 -9.24 0.00	67.30 -8.16 0.00	65.29 -8.48 0.00	58.25 -7.20 0.00	63.07 -7.27 0.00	68.45 -6.85 0.00	78.00 -6.68 0.00
WALDEN__HYDRO 24148	49.37 1.83 0.00	46.34 1.47 0.00	48.44 1.33 0.00	48.10 1.37 0.00	43.61 1.35 0.00	45.10 1.55 0.00	58.75 2.38 0.00	41.35 2.18 0.00	42.48 2.28 0.00	52.32 2.85 0.00	98.45 5.36 0.00	97.34 5.51 0.00	85.99 4.81 0.00	81.44 4.72 0.00	92.42 5.58 0.00	92.61 5.54 0.00	83.61 5.14 0.00	105.59 6.55 0.00	80.74 5.28 0.00	78.72 4.94 0.00	69.67 4.22 0.00	74.58 4.23 0.00	79.61 4.32 0.00	88.97 4.28 0.00
WARRENSBURG____ 23737	49.73 2.19 0.00	46.82 1.95 0.00	49.12 2.00 0.00	48.78 2.05 0.00	44.15 1.88 0.00	45.42 1.88 0.00	59.17 2.80 0.00	41.36 2.19 0.00	42.33 2.14 0.00	52.16 2.68 0.00	97.39 4.30 0.00	95.98 4.14 0.00	84.52 3.33 0.00	79.92 3.20 0.00	90.80 3.96 0.00	91.04 3.96 0.00	82.29 3.82 0.00	104.02 4.99 0.00	79.34 3.88 0.00	77.46 3.69 0.00	68.48 3.02 0.00	73.21 2.88 0.00	78.11 2.81 0.00	87.60 2.92 0.00
WATERSIDE____6 8 9 23538	49.38 1.84 0.00	46.31 1.44 0.00	48.36 1.24 0.00	48.01 1.28 0.00	43.53 1.27 0.00	45.03 1.48 0.00	58.75 2.38 0.00	41.38 2.21 0.00	42.55 2.36 0.00	52.42 2.94 0.00	98.76 5.67 0.00	97.69 5.86 0.00	86.26 5.08 0.00	81.70 4.98 0.00	92.71 5.87 0.00	92.89 5.82 0.00	83.83 5.36 0.00	105.67 6.63 0.00	80.94 5.48 0.00	78.84 5.07 0.00	69.73 4.28 0.00	74.62 4.28 0.00	79.68 4.39 0.00	88.96 4.27 0.00
WATKINRD_115KV_LN8_ILLION 55919	47.81 0.28 0.00	45.06 0.19 0.00	47.26 0.14 0.00	46.84 0.10 0.00	42.38 0.12 0.00	43.77 0.22 0.00	56.87 0.49 0.00	39.78 0.61 0.00	40.79 0.60 0.00	50.28 0.81 0.00	94.66 1.57 0.00	93.43 1.59 0.00	82.63 1.45 0.00	78.24 1.52 0.00	88.71 1.88 0.00	88.87 1.79 0.00	80.17 1.70 0.00	101.28 2.25 0.00	77.25 1.79 0.00	75.46 1.69 0.00	66.78 1.33 0.00	71.48 1.14 0.00	76.40 1.10 0.00	85.60 0.92 0.00
WATSON____69_KV_BK 1 55734	50.94 3.41 0.00	47.64 2.78 0.00	49.73 2.61 0.00	49.32 2.59 0.00	44.67 2.41 0.00	46.42 2.87 0.00	60.51 4.14 0.00	42.86 3.69 0.00	43.79 3.60 0.00	54.30 4.83 0.00	102.40 9.30 -0.01	105.14 9.61 -3.70	89.47 8.28 -0.01	84.26 7.54 0.00	95.26 8.42 0.00	95.60 8.52 0.00	87.36 8.13 -0.75	109.55 10.18 -0.33	89.83 8.35 -6.02	84.11 7.92 -2.41	72.41 6.96 0.00	77.38 7.04 0.00	82.79 7.49 0.00	92.62 7.61 -0.33
WDELAWARE__HYD 323627	48.82 1.28 0.00	45.83 0.96 0.00	47.92 0.80 0.00	47.58 0.85 0.00	43.14 0.87 0.00	44.65 1.11 0.00	58.35 1.97 0.00	41.16 1.99 0.00	42.29 2.10 0.00	52.09 2.62 0.00	97.82 4.73 0.00	96.68 4.85 0.00	85.41 4.22 0.00	80.91 4.19 0.00	91.76 4.93 0.00	91.96 4.89 0.00	83.09 4.62 0.00	104.97 5.93 0.00	80.23 4.76 0.00	78.19 4.42 0.00	69.20 3.74 0.00	74.01 3.67 0.00	78.96 3.66 0.00	88.12 3.44 0.00

WEST BABYLON___IC 23714	50.77 3.23 0.00	47.50 2.63 0.00	49.59 2.47 0.00	49.17 2.44 0.00	44.53 2.27 0.00	46.25 2.70 0.00	60.27 3.90 0.00	42.67 3.50 0.00	43.63 3.44 0.00	54.08 4.60 0.00	101.95 8.85 -0.01	104.39 9.11 -3.45	88.99 7.79 -0.01	83.82 7.10 0.00	94.87 8.03 0.00	95.17 8.09 0.00	86.95 7.68 -0.80	109.05 9.66 -0.35	89.79 7.94 -6.38	83.86 7.51 -2.58	72.03 6.58 0.00	76.99 6.65 0.00	82.32 7.02 0.00	92.14 7.10 -0.35
WEST CANADA___HYD 24049	47.63 0.10 0.00	44.94 0.07 0.00	47.17 0.05 0.00	46.78 0.05 0.00	42.30 0.03 0.00	43.59 0.04 0.00	56.49 0.12 0.00	39.36 0.19 0.00	40.39 0.20 0.00	49.77 0.29 0.00	93.64 0.55 0.00	92.39 0.55 0.00	81.67 0.48 0.00	77.23 0.51 0.00	87.44 0.60 0.00	87.57 0.50 0.00	78.92 0.44 0.00	99.60 0.57 0.00	75.92 0.45 0.00	74.20 0.42 0.00	65.78 0.32 0.00	70.62 0.28 0.00	75.51 0.21 0.00	84.85 0.17 0.00
WESTERN_NY_WIND 24143	46.35 -1.19 0.00	43.40 -1.47 0.00	45.70 -1.42 0.00	45.27 -1.45 0.00	41.15 -1.12 0.00	42.22 -1.33 0.00	54.35 -2.03 0.00	37.38 -1.79 0.00	38.53 -1.66 0.00	47.04 -2.43 0.00	87.43 -5.66 0.00	86.23 -5.60 0.00	76.29 -4.90 0.00	71.83 -4.90 0.00	81.08 -5.76 0.00	80.72 -6.36 0.00	72.34 -6.13 0.00	91.88 -7.15 0.00	68.97 -6.50 0.00	66.96 -6.80 0.00	59.68 -5.77 0.00	64.44 -5.90 0.00	69.63 -5.67 0.00	79.28 -5.40 0.00
WESTOVER___LESR 323668	47.07 -0.47 0.00	44.30 -0.57 0.00	46.49 -0.63 0.00	46.12 -0.61 0.00	41.80 -0.46 0.00	43.08 -0.47 0.00	55.95 -0.42 0.00	39.01 -0.16 0.00	40.03 -0.15 0.00	49.23 -0.24 0.00	92.55 -0.54 0.00	91.40 -0.43 0.00	80.83 -0.36 0.00	76.41 -0.31 0.00	86.64 -0.19 0.00	86.64 -0.43 0.00	77.98 -0.49 0.00	98.50 -0.53 0.00	74.79 -0.67 0.00	72.95 -0.82 0.00	64.63 -0.83 0.00	69.35 -0.99 0.00	74.17 -1.13 0.00	83.29 -1.39 0.00
WETHRSFD_WT_PWR 323626	45.53 -2.01 0.00	42.63 -2.24 0.00	44.72 -2.40 0.00	44.27 -2.45 0.00	40.28 -1.99 0.00	41.29 -2.26 0.00	53.20 -3.17 0.00	36.69 -2.48 0.00	37.74 -2.45 0.00	46.22 -3.25 0.00	86.19 -6.90 0.00	85.15 -6.68 0.00	75.54 -5.65 0.00	71.25 -5.47 0.00	80.64 -6.20 0.00	80.47 -6.61 0.00	72.02 -6.46 0.00	91.12 -7.91 0.00	68.29 -7.18 0.00	66.24 -7.54 0.00	58.94 -6.52 0.00	63.71 -6.63 0.00	68.68 -6.62 0.00	78.02 -6.66 0.00
WHAVSTOR_138KV_BK127 55557	48.85 1.32 0.00	45.87 1.00 0.00	47.93 0.82 0.00	47.61 0.88 0.00	43.18 0.92 0.00	44.63 1.08 0.00	58.06 1.69 0.00	40.85 1.68 0.00	41.95 1.76 0.00	51.68 2.20 0.00	97.22 4.13 0.00	96.10 4.26 0.00	84.89 3.70 0.00	80.40 3.68 0.00	91.21 4.37 0.00	91.39 4.32 0.00	82.51 4.04 0.00	104.13 5.09 0.00	79.69 4.22 0.00	77.68 3.90 0.00	68.78 3.33 0.00	73.62 3.28 0.00	78.65 3.35 0.00	87.90 3.22 0.00
WHAVSTOR_138_KV_BK127_REV_LBMP_G 345015	48.85 1.32 0.00	45.87 1.00 0.00	47.93 0.82 0.00	47.61 0.88 0.00	43.18 0.92 0.00	44.63 1.08 0.00	58.06 1.69 0.00	40.85 1.68 0.00	41.95 1.76 0.00	51.68 2.20 0.00	97.22 4.13 0.00	96.10 4.26 0.00	84.89 3.70 0.00	80.40 3.68 0.00	91.21 4.37 0.00	91.39 4.32 0.00	82.51 4.04 0.00	104.13 5.09 0.00	79.69 4.22 0.00	77.68 3.90 0.00	68.78 3.33 0.00	73.62 3.28 0.00	78.65 3.35 0.00	87.90 3.22 0.00
WHITEHAL_115KV_TB1 80871	51.08 3.54 0.00	48.03 3.17 0.00	50.37 3.25 0.00	49.89 3.16 0.00	45.19 2.93 0.00	46.95 3.41 0.00	60.84 4.46 0.00	42.61 3.44 0.00	43.48 3.29 0.00	53.66 4.18 0.00	99.73 6.64 0.00	98.19 6.36 0.00	86.31 5.13 0.00	81.36 4.64 0.00	93.04 6.20 0.00	93.18 6.11 0.00	84.21 5.74 0.00	106.17 7.13 0.00	81.11 5.64 0.00	79.28 5.51 0.00	70.06 4.61 0.00	74.71 4.37 0.00	79.71 4.41 0.00	89.46 4.77 0.00
WHITEPLN_13_KV_LOAD 356215	49.73 2.19 0.00	46.66 1.79 0.00	48.75 1.63 0.00	48.40 1.67 0.00	43.89 1.63 0.00	45.41 1.86 0.00	59.21 2.83 0.00	41.70 2.53 0.00	42.86 2.67 0.00	52.82 3.35 0.00	99.51 6.42 0.00	98.43 6.60 0.00	86.94 5.76 0.00	82.30 5.58 0.00	93.39 6.55 0.00	93.59 6.51 0.00	84.50 6.03 0.00	106.65 7.62 0.00	81.59 6.12 0.00	79.51 5.74 0.00	70.34 4.88 0.00	75.25 4.91 0.00	80.36 5.06 0.00	89.71 5.03 0.00
WM_FLOYD_69_KV_BK2 356380	50.80 3.26 0.00	47.47 2.60 0.00	49.54 2.42 0.00	49.08 2.36 0.00	44.42 2.16 0.00	46.17 2.62 0.00	60.15 3.78 0.00	42.62 3.46 0.00	43.49 3.31 0.00	53.99 4.52 0.00	101.42 8.32 -0.01	104.34 8.70 -3.81	88.95 7.76 -0.01	83.88 7.16 0.00	94.82 7.98 0.00	95.28 8.20 0.00	86.99 7.79 -0.73	109.13 9.78 -0.32	89.43 8.10 -5.86	83.66 7.55 -2.34	72.01 6.56 0.00	76.95 6.61 0.00	82.38 7.08 0.00	92.11 7.11 -0.32
WOODARD___115KV_TB2 355635	46.42 -1.12 0.00	43.76 -1.11 0.00	45.93 -1.19 0.00	45.55 -1.17 0.00	41.23 -1.03 0.00	42.54 -1.00 0.00	55.19 -1.18 0.00	38.42 -0.74 0.00	39.46 -0.73 0.00	48.51 -0.97 0.00	91.15 -1.94 0.00	89.93 -1.91 0.00	79.50 -1.69 0.00	75.14 -1.58 0.00	85.08 -1.75 0.00	85.24 -1.83 0.00	77.00 -1.47 0.00	97.22 -1.81 0.00	73.75 -1.72 0.00	71.98 -1.79 0.00	63.81 -1.65 0.00	68.46 -1.88 0.00	73.26 -2.04 0.00	82.37 -2.31 0.00
YORK___WARBASSE 23770	49.60 2.07 0.00	46.54 1.67 0.00	48.59 1.48 0.00	48.25 1.52 0.00	43.77 1.50 0.00	45.24 1.69 0.00	59.01 2.64 0.00	41.52 2.35 0.00	42.68 2.49 0.00	52.58 3.10 0.00	98.94 5.85 0.00	97.91 6.08 0.00	86.49 5.31 0.00	81.94 5.22 0.00	92.96 6.12 0.00	93.16 6.09 0.00	84.04 5.57 0.00	106.00 6.97 0.00	81.19 5.72 0.00	79.08 5.31 0.00	69.98 4.53 0.00	74.89 4.55 0.00	80.04 4.74 0.00	89.32 4.64 0.00