

# Time Weighted/Integrated Real Time LBMP- Generator

--- LBMP \$

--- Marginal Cost of Losses

### --- Marginal Cost of Congestion

## Generator Data

07/13/2025

Name	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00
PTID	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT
59TH STREET_GT_1	49.68	37.77	37.50	35.29	33.68	34.05	34.43	38.66	33.91	46.16	51.53	54.35	54.86	55.74	59.80	57.77	68.37	87.10	92.07	92.46	91.64	86.58	74.12	54.77
24138	2.74	2.27	2.16	2.02	1.94	1.89	1.96	1.92	1.72	1.98	2.22	2.18	2.13	2.16	2.36	2.93	3.72	5.62	6.26	5.71	4.74	4.03	3.07	2.33
	0.00	-1.82	0.00	0.00	0.00	0.00	0.00	-0.34	-0.02	-1.16	-0.69	-2.41	-0.96	-1.67	0.00	-0.02	-0.15	0.00	0.00	0.00	0.00	0.00	0.00	-3.41
74TH STREET_GT_1	49.82	37.83	37.56	35.35	33.74	34.09	34.48	38.70	33.95	46.20	51.63	54.51	55.06	55.94	60.03	57.99	68.65	87.45	92.46	92.85	92.05	86.99	74.47	54.99
24260	2.88	2.33	2.22	2.08	1.99	1.93	2.01	1.96	1.76	2.02	2.32	2.34	2.33	2.37	2.59	3.15	4.00	5.97	6.65	6.10	5.16	4.44	3.42	2.55
	0.00	-1.82	0.00	0.00	0.00	0.00	0.00	-0.34	-0.02	-1.16	-0.69	-2.41	-0.96	-1.67	0.00	-0.02	-0.15	0.00	0.00	0.00	0.00	0.00	0.00	-3.41
74TH STREET_GT_2	49.82	37.83	37.56	35.35	33.74	34.09	34.48	38.70	33.95	46.20	51.63	54.51	55.06	55.94	60.03	57.99	68.65	87.45	92.46	92.85	92.05	86.99	74.47	54.99
24261	2.88	2.33	2.22	2.08	1.99	1.93	2.01	1.96	1.76	2.02	2.32	2.34	2.33	2.37	2.59	3.15	4.00	5.97	6.65	6.10	5.16	4.44	3.42	2.55
	0.00	-1.82	0.00	0.00	0.00	0.00	0.00	-0.34	-0.02	-1.16	-0.69	-2.41	-0.96	-1.67	0.00	-0.02	-0.15	0.00	0.00	0.00	0.00	0.00	0.00	-3.41
ADK HUDSON___FALLS	49.68	34.22	37.74	35.48	33.86	34.23	34.62	38.14	33.82	43.62	49.43	49.02	52.09	51.80	59.19	56.91	67.38	86.85	92.96	93.65	93.11	88.28	75.28	48.79
24011	2.74	2.15	2.40	2.21	2.12	2.08	2.15	2.05	1.67	1.64	1.43	1.39	1.18	1.37	1.75	2.12	3.01	5.37	7.15	6.90	6.21	5.73	4.23	2.80
	0.00	1.62	0.00	0.00	0.00	0.00	0.00	0.30	0.02	1.03	0.62	2.14	0.86	1.48	0.00	0.02	0.13	0.00	0.00	0.00	0.00	0.00	0.00	3.03
ADK RESOURCE___RCVRY	50.01	34.48	37.99	35.68	34.06	34.43	34.82	38.30	33.92	43.75	49.55	49.14	52.19	51.94	59.37	57.14	67.74	87.52	93.67	94.31	93.69	88.97	75.75	49.18
23798	3.07	2.39	2.66	2.41	2.32	2.27	2.36	2.20	1.78	1.75	1.53	1.48	1.27	1.49	1.93	2.34	3.37	6.04	7.86	7.56	6.80	6.42	4.70	3.15
	0.00	1.59	0.00	0.00	0.00	0.00	0.00	0.30	0.02	1.02	0.61	2.11	0.85	1.46	0.00	0.02	0.13	0.00	0.00	0.00	0.00	0.00	0.00	2.99
ADK S GLENS___FALLS	49.68	34.22	37.74	35.48	33.86	34.23	34.62	38.14	33.82	43.62	49.43	49.02	52.09	51.80	59.19	56.91	67.38	86.85	92.96	93.65	93.11	88.28	75.28	48.79
24028	2.74	2.15	2.40	2.21	2.12	2.08	2.15	2.05	1.67	1.64	1.43	1.39	1.18	1.37	1.75	2.12	3.01	5.37	7.15	6.90	6.21	5.73	4.23	2.80
	0.00	1.62	0.00	0.00	0.00	0.00	0.00	0.30	0.02	1.03	0.62	2.14	0.86	1.48	0.00	0.02	0.13	0.00	0.00	0.00	0.00	0.00	0.00	3.03
ADK_NYS___DAM	48.18	31.48	36.91	34.77	33.26	33.67	33.98	36.93	33.07	41.10	47.48	45.10	49.72	48.55	57.49	55.15	64.71	83.41	88.82	89.53	88.67	84.30	72.21	43.11
23527	1.24	1.40	1.57	1.50	1.52	1.52	1.52	1.21	0.94	0.39	0.23	0.09	-0.14	-0.05	0.05	0.38	0.50	1.93	3.01	2.79	1.77	1.75	1.16	0.85
	0.00	3.60	0.00	0.00	0.00	0.00	0.00	0.68	0.04	2.30	1.37	4.76	1.91	3.30	0.00	0.05	0.29	0.00	0.00	0.00	0.00	0.00	0.00	6.76
AIR_PRODUCTS___DRP	46.55	32.32	35.41	33.40	32.04	32.43	32.74	36.13	31.95	41.30	47.09	46.92	49.84	49.55	56.23	53.95	63.57	81.23	86.09	86.83	86.21	81.69	70.07	45.94
24190	-0.39	-0.04	0.07	0.13	0.29	0.27	0.27	-0.02	-0.20	-0.86	-1.02	-1.09	-1.22	-1.14	-1.21	-0.85	-0.82	-0.25	0.28	0.08	-0.68	-0.86	-0.98	-0.60
	0.00	1.33	0.00	0.00	0.00	0.00	0.00	0.25	0.02	0.85	0.51	1.76	0.70	1.22	0.00	0.02	0.11	0.00	0.00	0.00	0.00	0.00	0.00	2.49
AKWESSNE_115KV_BK	46.76	33.33	34.86	32.78	31.23	31.77	32.05	36.16	32.12	43.32	48.94	49.89	51.85	51.98	57.45	54.38	63.76	80.02	83.44	84.99	85.98	82.04	70.80	48.80
355683	-0.18	-0.36	-0.47	-0.49	-0.51	-0.39	-0.42	-0.24	-0.05	0.30	0.32	0.12	0.08	0.07	0.01	-0.43	-0.74	-1.45	-2.37	-1.76	-0.91	-0.51	-0.24	-0.22
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ALBANY_1_SOLAR	46.91	32.99	35.69	33.67	32.23	32.62	32.92	36.45	32.09	41.90	47.50	47.63	50.08	49.92	56.16	53.85	63.61	81.12	86.31	87.37	86.90	82.34	70.68	47.22
323833	-0.03	0.17	0.36	0.40	0.49	0.47	0.46	0.22	-0.06	-0.56	-0.79	-0.99	-1.23	-1.20	-1.28	-0.96	-0.81	-0.36	0.50	0.62	0.01	-0.21	-0.37	-0.18
	0.00	0.87	0.00	0.00	0.00	0.00	0.00	0.16	0.01	0.55	0.33	1.14	0.46	0.79	0.00	0.01	0.07	0.00	0.00	0.00	0.00	0.00	0.00	1.63
ALBANY_2_SOLAR	46.90	32.98	35.67	33.66	32.22	32.61	32.90	36.42	32.08	41.88	47.48	47.61	50.07	49.90	56.14	53.82	63.60	81.07	86.26	87.32	86.86	82.31	70.65	47.20
323834	-0.04	0.15	0.34	0.39	0.47	0.45	0.43	0.19	-0.07	-0.58	-0.81	-1.01	-1.24	-1.21	-1.30	-0.99	-0.82	-0.41	0.45	0.58	-0.04	-0.24	-0.40	-0.20
	0.00	0.87	0.00	0.00	0.00	0.00	0.00	0.16	0.01	0.55	0.33	1.15	0.46	0.79	0.00	0.01	0.07	0.00	0.00	0.00	0.00	0.00	0.00	1.63
ALBANY___1	46.55	32.32	35.41	33.40	32.04	32.43	32.74	36.13	31.95	41.30	47.09	46.92	49.84	49.55	56.23	53.95	63.57	81.23	86.09	86.83	86.21	81.69	70.07	45.94
23571	-0.39	-0.04	0.07	0.13	0.29	0.27	0.27	-0.02	-0.20	-0.86	-1.02	-1.09	-1.22	-1.14	-1.21	-0.85	-0.82	-0.25	0.28	0.08	-0.68	-0.86	-0.98	-0.60
	0.00	1.33	0.00	0.00	0.00	0.00	0.00	0.25	0.02	0.85	0.51	1.76	0.70	1.22	0.00	0.02	0.11	0.00	0.00	0.00	0.00	0.00	0.00	2.49

ALBANY___2 23572	46.55 -0.39 0.00	32.32 -0.04 1.33	35.41 0.07 0.00	33.40 0.13 0.00	32.04 0.29 0.00	32.43 0.27 0.00	32.74 0.27 0.00	36.13 -0.02 0.25	31.95 -0.20 0.02	41.30 -0.86 0.85	47.09 -1.02 0.51	46.92 -1.09 1.76	49.84 -1.22 0.70	49.55 -1.14 1.22	56.23 -1.21 0.00	53.95 -0.85 0.02	63.57 -0.82 0.11	81.23 -0.25 0.00	86.09 0.28 0.00	86.83 0.08 0.00	86.21 -0.68 0.00	81.69 -0.86 0.00	70.07 -0.98 0.00	45.94 -0.60 2.49
ALBANY___3 23573	46.55 -0.39 0.00	32.32 -0.04 1.33	35.41 0.07 0.00	33.40 0.13 0.00	32.04 0.29 0.00	32.43 0.27 0.00	32.74 0.27 0.00	36.13 -0.02 0.25	31.95 -0.20 0.02	41.30 -0.86 0.85	47.09 -1.02 0.51	46.92 -1.09 1.76	49.84 -1.22 0.70	49.55 -1.14 1.22	56.23 -1.21 0.00	53.95 -0.85 0.02	63.57 -0.82 0.11	81.23 -0.25 0.00	86.09 0.28 0.00	86.83 0.08 0.00	86.21 -0.68 0.00	81.69 -0.86 0.00	70.07 -0.98 0.00	45.94 -0.60 2.49
ALBANY___4 23574	46.55 -0.39 0.00	32.32 -0.04 1.33	35.41 0.07 0.00	33.40 0.13 0.00	32.04 0.29 0.00	32.43 0.27 0.00	32.74 0.27 0.00	36.13 -0.02 0.25	31.95 -0.20 0.02	41.30 -0.86 0.85	47.09 -1.02 0.51	46.92 -1.09 1.76	49.84 -1.22 0.70	49.55 -1.14 1.22	56.23 -1.21 0.00	53.95 -0.85 0.02	63.57 -0.82 0.11	81.23 -0.25 0.00	86.09 0.28 0.00	86.83 0.08 0.00	86.21 -0.68 0.00	81.69 -0.86 0.00	70.07 -0.98 0.00	45.94 -0.60 2.49
ALBANY___LFGE 323615	47.17 0.23 0.00	32.63 0.39 1.45	35.86 0.53 0.00	33.82 0.55 0.00	32.41 0.67 0.00	32.80 0.64 0.00	33.11 0.64 0.00	36.54 0.42 0.27	32.34 0.19 0.02	41.78 -0.30 0.93	47.67 -0.40 0.55	47.46 -0.39 1.92	50.50 -0.50 0.77	50.18 -0.40 1.33	57.08 -0.36 0.00	54.78 -0.02 0.02	64.56 0.19 0.12	82.50 1.02 0.00	87.51 1.70 0.00	88.22 1.48 0.00	87.58 0.69 0.00	82.98 0.43 0.00	71.14 0.09 0.00	46.40 0.10 2.73
ALCOA_PA_115KV_PL-6C 55860	46.99 0.05 0.00	33.47 -0.21 0.00	35.00 -0.34 0.00	32.90 -0.36 0.00	31.36 -0.38 0.00	31.90 -0.25 0.00	32.18 -0.29 0.00	36.30 -0.10 0.00	32.22 0.06 0.00	43.52 0.51 0.00	49.19 0.56 0.00	50.14 0.37 0.00	52.15 0.38 0.00	52.27 0.36 0.00	57.64 0.20 0.00	54.55 -0.27 0.00	63.98 -0.51 0.00	80.27 -1.21 0.00	83.28 -2.53 0.00	85.47 -1.27 0.00	86.50 -0.39 0.00	82.52 -0.03 0.00	71.19 0.14 0.00	49.06 0.04 0.00
ALCOA_RYNLDS___DRP 24188	46.99 0.05 0.00	33.47 -0.21 0.00	35.00 -0.34 0.00	32.90 -0.36 0.00	31.36 -0.38 0.00	31.90 -0.25 0.00	32.18 -0.29 0.00	36.30 -0.10 0.00	32.22 0.06 0.00	43.52 0.51 0.00	49.19 0.56 0.00	50.14 0.37 0.00	52.15 0.38 0.00	52.27 0.36 0.00	57.64 0.20 0.00	54.55 -0.27 0.00	63.98 -0.51 0.00	80.27 -1.21 0.00	83.28 -2.53 0.00	85.47 -1.27 0.00	86.50 -0.39 0.00	82.52 -0.03 0.00	71.19 0.14 0.00	49.06 0.04 0.00
ALCOA___DSASP 323711	46.99 0.05 0.00	33.48 -0.21 0.00	35.00 -0.34 0.00	32.91 -0.36 0.00	31.36 -0.38 0.00	31.90 -0.25 0.00	32.18 -0.29 0.00	36.30 -0.10 0.00	32.22 0.06 0.00	43.53 0.51 0.00	49.19 0.57 0.00	50.14 0.37 0.00	52.15 0.38 0.00	52.27 0.36 0.00	57.64 0.20 0.00	54.56 -0.27 0.00	63.99 -0.51 0.00	80.25 -1.23 0.00	83.28 -2.53 0.00	85.47 -1.27 0.00	86.50 -0.39 0.00	82.52 -0.03 0.00	71.19 0.14 0.00	49.06 0.04 0.00
ALLEGHENY___COGEN 23514	51.10 4.16 0.00	36.30 2.62 0.00	37.97 2.64 0.00	35.66 2.39 0.00	33.85 2.11 0.00	34.12 1.96 0.00	34.56 2.10 0.00	38.94 2.54 0.00	34.98 2.82 0.00	46.68 3.66 0.00	52.22 3.60 0.00	53.68 3.91 0.00	56.06 4.30 0.00	55.88 3.97 0.00	61.53 4.10 0.00	57.17 2.35 0.00	67.98 3.48 0.00	85.99 4.51 0.00	92.25 6.44 0.00	93.20 6.45 0.00	94.67 7.78 0.00	90.11 7.56 0.00	79.75 8.70 0.00	55.27 6.25 0.00
ALTAMONT_115KV_TB 2 55880	47.39 0.45 0.00	33.32 0.50 0.86	35.97 0.64 0.00	33.92 0.66 0.00	32.44 0.70 0.00	32.83 0.68 0.00	33.15 0.69 0.00	36.75 0.51 0.16	32.40 0.24 0.01	42.41 -0.06 0.55	48.18 -0.11 0.33	48.47 -0.15 1.14	51.08 -0.23 0.46	50.94 -0.18 0.79	57.28 -0.16 0.00	54.93 0.12 0.01	64.72 0.30 0.07	82.53 1.05 0.00	87.46 1.65 0.00	88.24 1.50 0.00	87.74 0.85 0.00	83.15 0.60 0.00	71.39 0.35 0.00	47.72 0.32 1.62
ALTONA_WT_PWR 323606	46.17 -0.77 0.00	32.83 -0.86 0.00	34.26 -1.08 0.00	32.20 -1.07 0.00	30.62 -1.12 0.00	31.17 -0.99 0.00	31.52 -0.95 0.00	35.64 -0.76 0.00	31.70 -0.47 0.00	42.90 -0.12 0.00	48.26 -0.36 0.00	49.34 -0.43 0.00	51.13 -0.64 0.00	51.17 -0.74 0.00	56.22 -1.22 0.00	53.14 -1.68 0.00	62.76 -1.73 0.00	79.03 -2.45 0.00	82.65 -3.16 0.00	84.37 -2.38 0.00	85.10 -1.79 0.00	81.06 -1.49 0.00	69.65 -1.39 0.00	47.91 -1.12 0.00
AMERICAN_REF_FUEL 24010	47.86 0.92 0.00	33.98 0.30 0.00	35.61 0.27 0.00	33.42 0.15 0.00	31.64 -0.11 0.00	31.69 -0.46 0.00	32.23 -0.24 0.00	36.85 0.45 0.00	33.31 1.15 0.00	44.94 1.93 0.00	50.86 2.24 0.00	52.58 2.81 0.00	54.84 3.08 0.00	54.50 2.59 0.00	60.17 2.73 0.00	56.21 1.39 0.00	66.24 1.75 0.00	82.15 0.68 0.00	88.45 2.64 0.00	88.83 2.09 0.00	89.48 2.58 0.00	84.87 2.32 0.00	74.30 3.25 0.00	51.91 2.88 0.00
ARKWRIGHT___SUMMIT_WT_PWR 323751	48.85 1.91 0.00	34.76 1.08 0.00	36.72 1.38 0.00	34.39 1.13 0.00	32.47 0.73 0.00	32.70 0.54 0.00	33.15 0.68 0.00	37.75 1.35 0.00	34.47 2.30 0.00	46.71 3.70 0.00	52.75 4.13 0.00	54.33 4.57 0.00	56.71 4.95 0.00	56.58 4.67 0.00	62.86 5.41 0.00	58.38 3.56 0.00	69.31 4.81 0.00	86.63 5.15 0.00	93.31 7.50 0.00	93.83 7.08 0.00	94.73 7.83 0.00	89.90 7.35 0.00	78.28 7.23 0.00	54.31 5.28 0.00
ARTHUR KILL_GT_1 23520	49.53 2.59 0.00	37.70 2.20 -1.82	37.34 2.00 0.00	35.14 1.88 0.00	33.54 1.79 0.00	33.87 1.72 0.00	34.26 1.80 0.00	38.45 1.71 -0.34	33.72 1.54 -0.02	45.77 1.59 -1.16	50.88 1.57 -0.69	53.82 1.64 -2.41	54.23 1.54 -0.91	55.19 1.62 -1.67	59.17 1.73 0.00	57.21 2.37 -0.02	67.76 3.12 -0.15	86.38 4.90 0.00	91.34 5.54 0.00	91.82 5.07 0.00	91.03 4.14 0.00	85.94 3.39 0.00	73.65 2.60 0.00	54.66 2.22 -3.42
ARTHUR_KILL_2 23512	49.34 2.39 0.00	37.57 2.07 -1.82	37.21 1.87 0.00	35.02 1.75 0.00	33.42 1.67 0.00	33.76 1.61 0.00	34.15 1.68 0.00	38.31 1.57 -0.34	33.61 1.42 -0.02	45.62 1.44 -1.16	50.70 1.39 -0.69	53.62 1.45 -2.41	54.02 1.34 -0.91	54.99 1.41 -1.67	58.94 1.50 0.00	57.00 2.16 -0.02	67.48 2.84 -0.15	85.91 4.43 0.00	90.92 5.11 0.00	91.40 4.65 0.00	90.60 3.70 0.00	85.53 2.98 0.00	73.34 2.29 0.00	54.45 2.01 -3.42
ARTHUR_KILL_3 23513	49.20 2.26 0.00	37.40 1.90 -1.82	37.09 1.76 0.00	34.91 1.65 0.00	33.33 1.58 0.00	33.67 1.52 0.00	34.06 1.59 0.00	38.23 1.49 -0.34	33.52 1.33 -0.02	45.61 1.43 -1.16	50.90 1.59 -0.69	53.67 1.50 -2.40	54.04 1.39 -0.88	55.05 1.48 -1.67	59.06 1.62 0.00	57.07 2.23 -0.02	67.54 2.90 -0.15	85.92 4.44 0.00	90.94 5.14 0.00	91.35 4.60 0.00	90.55 3.66 0.00	85.54 2.99 0.00	73.26 2.21 0.00	54.19 1.75 -3.41

ARTHUR_KILL_COGEN 323718	49.53 2.58 0.00	37.70 2.20 -1.82	37.34 2.00 0.00	35.14 1.88 0.00	33.54 1.79 0.00	33.87 1.72 0.00	34.26 1.80 0.00	38.45 1.71 -0.34	33.72 1.54 -0.02	45.77 1.60 -1.16	50.88 1.57 -0.69	53.82 1.64 -2.41	54.22 1.54 -0.91	55.20 1.62 -1.67	59.17 1.73 0.00	57.24 2.40 -0.02	67.76 3.12 -0.15	86.26 4.78 0.00	91.32 5.52 0.00	91.82 5.07 0.00	91.03 4.14 0.00	85.94 3.39 0.00	73.68 2.63 0.00	54.67 2.23 -3.42
ASHOKAN____ 23654	49.35 2.41 0.00	35.53 1.85 0.00	37.19 1.85 0.00	35.04 1.77 0.00	33.45 1.71 0.00	33.84 1.68 0.00	34.23 1.76 0.00	38.27 1.87 0.00	33.65 1.49 0.00	45.13 2.11 0.00	50.79 2.17 0.00	52.28 2.51 0.00	54.26 2.49 0.00	54.18 2.27 0.00	59.88 2.44 0.00	57.48 2.67 0.00	68.37 3.88 0.00	86.99 5.51 0.00	92.23 6.42 0.00	93.12 6.37 0.00	92.41 5.52 0.00	87.19 4.64 0.00	74.61 3.56 0.00	51.71 2.69 0.00
ASTORIA_EAST_ENERGY_CC1 323581	49.60 2.65 0.00	37.66 2.15 -1.82	37.34 2.00 0.00	35.16 1.90 0.00	33.56 1.81 0.00	33.89 1.73 0.00	34.29 1.82 0.00	38.45 1.72 -0.34	33.72 1.53 -0.02	45.79 1.62 -1.16	51.16 1.84 -0.69	54.00 1.83 -2.41	54.47 1.74 -0.96	55.37 1.79 -1.67	59.36 1.92 0.00	57.36 2.52 -0.02	67.97 3.26 -0.21	87.20 4.93 -0.80	91.90 5.61 -0.48	91.82 5.07 0.00	91.01 4.11 -0.01	86.00 3.44 -0.01	73.68 2.62 -0.01	54.49 2.06 -3.41
ASTORIA_EAST_ENERGY_CC2 323582	49.60 2.65 0.00	37.66 2.15 -1.82	37.34 2.00 0.00	35.16 1.90 0.00	33.56 1.81 0.00	33.89 1.73 0.00	34.29 1.82 0.00	38.45 1.72 -0.34	33.72 1.53 -0.02	45.79 1.62 -1.16	51.16 1.84 -0.69	54.00 1.83 -2.41	54.47 1.74 -0.96	55.37 1.79 -1.67	59.36 1.92 0.00	57.36 2.52 -0.02	67.97 3.26 -0.21	87.20 4.93 -0.80	91.90 5.61 -0.48	91.82 5.07 0.00	91.01 4.11 -0.01	86.00 3.44 -0.01	73.68 2.62 -0.01	54.49 2.06 -3.41
ASTORIA_GT2_1 24094	49.61 2.67 0.00	37.67 2.17 -1.82	37.36 2.02 0.00	35.19 1.92 0.00	33.57 1.83 0.00	33.90 1.75 0.00	34.30 1.83 0.00	38.47 1.73 -0.34	33.73 1.55 -0.02	45.81 1.64 -1.16	51.17 1.86 -0.69	54.03 1.86 -2.41	54.50 1.77 -0.96	55.40 1.83 -1.67	59.38 1.95 0.00	57.38 2.53 -0.02	67.99 3.29 -0.21	87.37 5.09 -0.79	91.96 5.67 -0.48	91.87 5.12 0.00	91.05 4.16 0.00	86.03 3.48 0.00	73.71 2.66 0.00	54.51 2.08 -3.41
ASTORIA_GT2_2 24095	49.61 2.67 0.00	37.67 2.17 -1.82	37.36 2.02 0.00	35.19 1.92 0.00	33.57 1.83 0.00	33.90 1.75 0.00	34.30 1.83 0.00	38.47 1.73 -0.34	33.73 1.55 -0.02	45.81 1.64 -1.16	51.17 1.86 -0.69	54.03 1.86 -2.41	54.50 1.77 -0.96	55.40 1.83 -1.67	59.38 1.95 0.00	57.38 2.53 -0.02	67.99 3.29 -0.21	87.37 5.09 -0.79	91.96 5.67 -0.48	91.87 5.12 0.00	91.05 4.16 0.00	86.03 3.48 0.00	73.71 2.66 0.00	54.51 2.08 -3.41
ASTORIA_GT2_3 24096	49.61 2.67 0.00	37.67 2.17 -1.82	37.36 2.02 0.00	35.19 1.92 0.00	33.57 1.83 0.00	33.90 1.75 0.00	34.30 1.83 0.00	38.47 1.73 -0.34	33.73 1.55 -0.02	45.81 1.64 -1.16	51.17 1.86 -0.69	54.03 1.86 -2.41	54.50 1.77 -0.96	55.40 1.83 -1.67	59.38 1.95 0.00	57.38 2.53 -0.02	67.99 3.29 -0.21	87.37 5.09 -0.79	91.96 5.67 -0.48	91.87 5.12 0.00	91.05 4.16 0.00	86.03 3.48 0.00	73.71 2.66 0.00	54.51 2.08 -3.41
ASTORIA_GT2_4 24097	49.61 2.67 0.00	37.67 2.17 -1.82	37.36 2.02 0.00	35.19 1.92 0.00	33.57 1.83 0.00	33.90 1.75 0.00	34.30 1.83 0.00	38.47 1.73 -0.34	33.73 1.55 -0.02	45.81 1.64 -1.16	51.17 1.86 -0.69	54.03 1.86 -2.41	54.50 1.77 -0.96	55.40 1.83 -1.67	59.38 1.95 0.00	57.38 2.53 -0.02	67.99 3.29 -0.21	87.37 5.09 -0.79	91.96 5.67 -0.48	91.87 5.12 0.00	91.05 4.16 0.00	86.03 3.48 0.00	73.71 2.66 0.00	54.51 2.08 -3.41
ASTORIA_GT3_1 24098	49.61 2.67 0.00	37.67 2.17 -1.82	37.36 2.02 0.00	35.19 1.92 0.00	33.57 1.83 0.00	33.90 1.75 0.00	34.30 1.83 0.00	38.47 1.73 -0.34	33.73 1.55 -0.02	45.81 1.64 -1.16	51.17 1.86 -0.69	54.03 1.86 -2.41	54.50 1.77 -0.96	55.40 1.83 -1.67	59.38 1.95 0.00	57.38 2.53 -0.02	67.99 3.29 -0.21	87.37 5.09 -0.79	91.96 5.67 -0.48	91.87 5.12 0.00	91.05 4.16 0.00	86.03 3.48 0.00	73.71 2.66 0.00	54.51 2.08 -3.41
ASTORIA_GT3_2 24099	49.61 2.67 0.00	37.67 2.17 -1.82	37.36 2.02 0.00	35.19 1.92 0.00	33.57 1.83 0.00	33.90 1.75 0.00	34.30 1.83 0.00	38.47 1.73 -0.34	33.73 1.55 -0.02	45.81 1.64 -1.16	51.17 1.86 -0.69	54.03 1.86 -2.41	54.50 1.77 -0.96	55.40 1.83 -1.67	59.38 1.95 0.00	57.38 2.53 -0.02	67.99 3.29 -0.21	87.37 5.09 -0.79	91.96 5.67 -0.48	91.87 5.12 0.00	91.05 4.16 0.00	86.03 3.48 0.00	73.71 2.66 0.00	54.51 2.08 -3.41
ASTORIA_GT3_3 24100	49.61 2.67 0.00	37.67 2.17 -1.82	37.36 2.02 0.00	35.19 1.92 0.00	33.57 1.83 0.00	33.90 1.75 0.00	34.30 1.83 0.00	38.47 1.73 -0.34	33.73 1.55 -0.02	45.81 1.64 -1.16	51.17 1.86 -0.69	54.03 1.86 -2.41	54.50 1.77 -0.96	55.40 1.83 -1.67	59.38 1.95 0.00	57.38 2.53 -0.02	67.99 3.29 -0.21	87.37 5.09 -0.79	91.96 5.67 -0.48	91.87 5.12 0.00	91.05 4.16 0.00	86.03 3.48 0.00	73.71 2.66 0.00	54.51 2.08 -3.41
ASTORIA_GT3_4 24101	49.61 2.67 0.00	37.67 2.17 -1.82	37.36 2.02 0.00	35.19 1.92 0.00	33.57 1.83 0.00	33.90 1.75 0.00	34.30 1.83 0.00	38.47 1.73 -0.34	33.73 1.55 -0.02	45.81 1.64 -1.16	51.17 1.86 -0.69	54.03 1.86 -2.41	54.50 1.77 -0.96	55.40 1.83 -1.67	59.38 1.95 0.00	57.38 2.53 -0.02	67.99 3.29 -0.21	87.37 5.09 -0.79	91.96 5.67 -0.48	91.87 5.12 0.00	91.05 4.16 0.00	86.03 3.48 0.00	73.71 2.66 0.00	54.51 2.08 -3.41
ASTORIA_GT4_1 24102	49.61 2.67 0.00	37.67 2.17 -1.82	37.36 2.02 0.00	35.19 1.92 0.00	33.57 1.83 0.00	33.90 1.75 0.00	34.30 1.83 0.00	38.47 1.73 -0.34	33.73 1.55 -0.02	45.81 1.64 -1.16	51.17 1.86 -0.69	54.03 1.86 -2.41	54.50 1.77 -0.96	55.40 1.83 -1.67	59.38 1.95 0.00	57.38 2.53 -0.02	67.99 3.29 -0.21	87.37 5.09 -0.79	91.96 5.67 -0.48	91.87 5.12 0.00	91.05 4.16 0.00	86.03 3.48 0.00	73.71 2.66 0.00	54.51 2.08 -3.41
ASTORIA_GT4_2 24103	49.61 2.67 0.00	37.67 2.17 -1.82	37.36 2.02 0.00	35.19 1.92 0.00	33.57 1.83 0.00	33.90 1.75 0.00	34.30 1.83 0.00	38.47 1.73 -0.34	33.73 1.55 -0.02	45.81 1.64 -1.16	51.17 1.86 -0.69	54.03 1.86 -2.41	54.50 1.77 -0.96	55.40 1.83 -1.67	59.38 1.95 0.00	57.38 2.53 -0.02	67.99 3.29 -0.21	87.37 5.09 -0.79	91.96 5.67 -0.48	91.87 5.12 0.00	91.05 4.16 0.00	86.03 3.48 0.00	73.71 2.66 0.00	54.51 2.08 -3.41
ASTORIA_GT4_3 24104	49.61 2.67 0.00	37.67 2.17 -1.82	37.36 2.02 0.00	35.19 1.92 0.00	33.57 1.83 0.00	33.90 1.75 0.00	34.30 1.83 0.00	38.47 1.73 -0.34	33.73 1.55 -0.02	45.81 1.64 -1.16	51.17 1.86 -0.69	54.03 1.86 -2.41	54.50 1.77 -0.96	55.40 1.83 -1.67	59.38 1.95 0.00	57.38 2.53 -0.02	67.99 3.29 -0.21	87.37 5.09 -0.79	91.96 5.67 -0.48	91.87 5.12 0.00	91.05 4.16 0.00	86.03 3.48 0.00	73.71 2.66 0.00	54.51 2.08 -3.41

ASTORIA_GT4_4 24105	49.61 2.67 0.00	37.67 2.17 -1.82	37.36 2.02 0.00	35.19 1.92 0.00	33.57 1.83 0.00	33.90 1.75 0.00	34.30 1.83 0.00	38.47 1.73 -0.34	33.73 1.55 -0.02	45.81 1.64 -1.16	51.17 1.86 -0.69	54.03 1.86 -2.41	54.50 1.77 -0.96	55.40 1.83 -1.67	59.38 1.95 0.00	57.38 2.53 -0.02	67.99 3.29 -0.21	87.37 5.09 -0.79	91.96 5.67 -0.48	91.87 5.12 0.00	91.05 4.16 0.00	86.03 3.48 0.00	73.71 2.66 0.00	54.51 2.08 -3.41
ASTORIA_GT_1 23523	49.74 2.80 0.00	37.75 2.25 -1.82	37.44 2.10 0.00	35.26 1.99 0.00	33.64 1.90 0.00	33.98 1.82 0.00	34.37 1.90 0.00	38.55 1.81 -0.34	33.81 1.62 -0.02	45.92 1.74 -1.16	51.30 1.99 -0.69	54.17 2.00 -2.41	54.65 1.92 -0.96	55.55 1.97 -1.67	59.54 2.11 0.00	57.53 2.69 -0.02	68.18 3.48 -0.21	87.61 5.34 -0.79	92.22 5.93 -0.48	92.12 5.38 0.00	91.31 4.41 0.00	86.28 3.73 0.00	73.91 2.86 0.00	54.66 2.22 -3.41
ASTORIA_GT_10 24110	49.33 2.39 0.00	37.56 2.06 -1.82	37.25 1.91 0.00	35.07 1.80 0.00	33.47 1.73 0.00	33.82 1.66 0.00	34.21 1.73 0.00	38.37 1.63 -0.34	33.65 1.47 -0.02	45.73 1.56 -1.16	51.02 1.71 -0.69	53.84 1.66 -2.41	54.30 1.57 -0.96	55.18 1.61 -1.67	59.16 1.72 0.00	57.18 2.34 -0.02	67.66 3.02 -0.15	86.22 4.74 0.00	91.12 5.31 0.00	91.51 4.77 0.00	90.70 3.81 0.00	85.70 3.15 0.00	73.36 2.31 0.00	54.28 1.85 -3.41
ASTORIA_GT_11 24225	49.33 2.39 0.00	37.56 2.06 -1.82	37.25 1.91 0.00	35.07 1.80 0.00	33.47 1.73 0.00	33.82 1.66 0.00	34.21 1.73 0.00	38.37 1.63 -0.34	33.65 1.47 -0.02	45.73 1.56 -1.16	51.02 1.71 -0.69	53.84 1.66 -2.41	54.30 1.57 -0.96	55.18 1.61 -1.67	59.16 1.72 0.00	57.18 2.34 -0.02	67.66 3.02 -0.15	86.22 4.74 0.00	91.12 5.31 0.00	91.51 4.77 0.00	90.70 3.81 0.00	85.70 3.15 0.00	73.36 2.31 0.00	54.28 1.85 -3.41
ASTORIA_GT_12 24226	49.33 2.39 0.00	37.56 2.06 -1.82	37.25 1.91 0.00	35.07 1.80 0.00	33.47 1.73 0.00	33.82 1.66 0.00	34.21 1.73 0.00	38.37 1.63 -0.34	33.65 1.47 -0.02	45.73 1.56 -1.16	51.02 1.71 -0.69	53.84 1.66 -2.41	54.30 1.57 -0.96	55.18 1.61 -1.67	59.16 1.72 0.00	57.18 2.34 -0.02	67.66 3.02 -0.15	86.22 4.74 0.00	91.12 5.31 0.00	91.51 4.77 0.00	90.70 3.81 0.00	85.70 3.15 0.00	73.36 2.31 0.00	54.28 1.85 -3.41
ASTORIA_GT_13 24227	49.33 2.39 0.00	37.56 2.06 -1.82	37.25 1.91 0.00	35.07 1.80 0.00	33.47 1.73 0.00	33.82 1.66 0.00	34.21 1.73 0.00	38.37 1.63 -0.34	33.65 1.47 -0.02	45.73 1.56 -1.16	51.02 1.71 -0.69	53.84 1.66 -2.41	54.30 1.57 -0.96	55.18 1.61 -1.67	59.16 1.72 0.00	57.18 2.34 -0.02	67.66 3.02 -0.15	86.22 4.74 0.00	91.12 5.31 0.00	91.51 4.77 0.00	90.70 3.81 0.00	85.70 3.15 0.00	73.36 2.31 0.00	54.28 1.85 -3.41
ASTORIA_GT_5 24106	49.74 2.80 0.00	37.75 2.25 -1.82	37.44 2.10 0.00	35.26 1.99 0.00	33.64 1.90 0.00	33.98 1.82 0.00	34.37 1.90 0.00	38.55 1.81 -0.34	33.81 1.62 -0.02	45.92 1.74 -1.16	51.30 1.99 -0.69	54.17 2.00 -2.41	54.65 1.92 -0.96	55.55 1.97 -1.67	59.54 2.11 0.00	57.53 2.69 -0.02	68.18 3.48 -0.21	87.61 5.34 -0.79	92.22 5.93 -0.48	92.12 5.38 0.00	91.31 4.41 0.00	86.28 3.73 0.00	73.91 2.86 0.00	54.66 2.22 -3.41
ASTORIA_GT_7 24107	49.74 2.80 0.00	37.75 2.25 -1.82	37.44 2.10 0.00	35.26 1.99 0.00	33.64 1.90 0.00	33.98 1.82 0.00	34.37 1.90 0.00	38.55 1.81 -0.34	33.81 1.62 -0.02	45.92 1.74 -1.16	51.30 1.99 -0.69	54.17 2.00 -2.41	54.65 1.92 -0.96	55.55 1.97 -1.67	59.54 2.11 0.00	57.53 2.69 -0.02	68.18 3.48 -0.21	87.61 5.34 -0.79	92.22 5.93 -0.48	92.12 5.38 0.00	91.31 4.41 0.00	86.28 3.73 0.00	73.91 2.86 0.00	54.66 2.22 -3.41
ASTORIA_GT_8 24108	49.74 2.80 0.00	37.75 2.25 -1.82	37.44 2.10 0.00	35.26 1.99 0.00	33.64 1.90 0.00	33.98 1.82 0.00	34.37 1.90 0.00	38.55 1.81 -0.34	33.81 1.62 -0.02	45.92 1.74 -1.16	51.30 1.99 -0.69	54.17 2.00 -2.41	54.65 1.92 -0.96	55.55 1.97 -1.67	59.54 2.11 0.00	57.53 2.69 -0.02	68.18 3.48 -0.21	87.61 5.34 -0.79	92.22 5.93 -0.48	92.12 5.38 0.00	91.31 4.41 0.00	86.28 3.73 0.00	73.91 2.86 0.00	54.66 2.22 -3.41
ASTORIA___2 24149	49.61 2.67 0.00	37.68 2.17 -1.82	37.36 2.02 0.00	35.19 1.92 0.00	33.57 1.83 0.00	33.90 1.75 0.00	34.30 1.83 0.00	38.47 1.73 -0.34	33.73 1.55 -0.02	45.81 1.64 -1.16	51.17 1.86 -0.69	54.03 1.86 -2.41	54.50 1.77 -0.96	55.40 1.83 -1.67	59.38 1.94 0.00	57.38 2.54 -0.02	67.99 3.29 -0.21	87.27 4.99 -0.80	91.95 5.67 -0.48	91.87 5.12 0.00	91.07 4.17 -0.01	86.04 3.48 -0.01	73.73 2.67 -0.01	54.52 2.08 -3.41
ASTORIA___3 23516	49.33 2.39 0.00	37.57 2.06 -1.82	37.25 1.91 0.00	35.07 1.80 0.00	33.47 1.73 0.00	33.81 1.66 0.00	34.20 1.73 0.00	38.37 1.63 -0.34	33.65 1.47 -0.02	45.73 1.56 -1.16	51.03 1.72 -0.69	53.84 1.66 -2.41	54.30 1.57 -0.96	55.18 1.61 -1.67	59.16 1.72 0.00	57.19 2.35 -0.02	67.66 3.01 -0.15	86.09 4.62 0.00	91.10 5.30 0.00	91.51 4.77 0.00	90.70 3.81 0.00	85.70 3.15 0.00	73.37 2.33 0.00	54.29 1.85 -3.41
ASTORIA___4 23517	49.33 2.39 0.00	37.56 2.06 -1.82	37.25 1.91 0.00	35.07 1.80 0.00	33.47 1.73 0.00	33.82 1.66 0.00	34.21 1.73 0.00	38.37 1.63 -0.34	33.65 1.47 -0.02	45.73 1.56 -1.16	51.02 1.71 -0.69	53.84 1.66 -2.41	54.30 1.57 -0.96	55.18 1.61 -1.67	59.16 1.72 0.00	57.18 2.33 -0.02	67.65 3.01 -0.15	86.22 4.74 0.00	91.12 5.31 0.00	91.51 4.77 0.00	90.70 3.81 0.00	85.70 3.15 0.00	73.36 2.31 0.00	54.28 1.85 -3.41
ASTORIA___5 23518	49.33 2.39 0.00	37.57 2.06 -1.82	37.25 1.91 0.00	35.07 1.80 0.00	33.47 1.73 0.00	33.81 1.66 0.00	34.20 1.73 0.00	38.37 1.63 -0.34	33.65 1.47 -0.02	45.73 1.56 -1.16	51.03 1.72 -0.69	53.84 1.67 -2.41	54.30 1.57 -0.96	55.18 1.61 -1.67	59.16 1.72 0.00	57.19 2.35 -0.02	67.66 3.01 -0.15	86.09 4.62 0.00	91.10 5.30 0.00	91.51 4.77 0.00	90.70 3.81 0.00	85.70 3.15 0.00	73.37 2.33 0.00	54.29 1.85 -3.41
AST_ENERGY_2_CC3 323677	49.30 2.36 0.00	37.47 1.97 -1.82	37.17 1.83 0.00	34.99 1.72 0.00	33.40 1.66 0.00	33.75 1.59 0.00	34.13 1.66 0.00	38.30 1.56 -0.34	33.58 1.40 -0.02	45.69 1.52 -1.16	51.04 1.73 -0.69	53.88 1.71 -2.41	54.37 1.64 -0.96	55.25 1.67 -1.67	59.27 1.83 0.00	57.25 2.41 -0.02	67.78 3.14 -0.15	86.23 4.75 0.00	91.27 5.46 0.00	91.68 4.93 0.00	90.87 3.98 0.00	85.87 3.32 0.00	73.53 2.48 0.00	54.36 1.93 -3.41
AST_ENERGY_2_CC4 323678	49.30 2.36 0.00	37.47 1.97 -1.82	37.17 1.83 0.00	34.99 1.72 0.00	33.40 1.66 0.00	33.75 1.59 0.00	34.13 1.66 0.00	38.30 1.56 -0.34	33.58 1.40 -0.02	45.69 1.52 -1.16	51.04 1.73 -0.69	53.88 1.71 -2.41	54.37 1.64 -0.96	55.25 1.67 -1.67	59.27 1.83 0.00	57.25 2.41 -0.02	67.78 3.14 -0.15	86.23 4.75 0.00	91.27 5.46 0.00	91.68 4.93 0.00	90.87 3.98 0.00	85.87 3.32 0.00	73.53 2.48 0.00	54.36 1.93 -3.41

ATHENS_STG_1 23668	47.79 0.85 0.00	35.23 0.81 -0.74	36.27 0.93 0.00	34.22 0.95 0.00	32.70 0.96 0.00	33.09 0.93 0.00	33.43 0.96 0.00	37.32 0.79 -0.14	32.64 0.46 -0.01	43.77 0.28 -0.47	49.24 0.34 -0.28	51.08 0.33 -0.98	52.42 0.26 -0.39	52.89 0.30 -0.68	57.79 0.36 0.00	55.54 0.71 -0.01	65.52 0.97 -0.06	83.34 1.86 0.00	88.25 2.44 0.00	88.88 2.14 0.00	88.23 1.34 0.00	83.56 1.01 0.00	71.73 0.68 0.00	51.04 0.62 -1.39
ATHENS_STG_2 23670	47.79 0.85 0.00	35.23 0.81 -0.74	36.27 0.93 0.00	34.22 0.95 0.00	32.70 0.96 0.00	33.09 0.93 0.00	33.43 0.96 0.00	37.32 0.79 -0.14	32.64 0.46 -0.01	43.77 0.28 -0.47	49.24 0.34 -0.28	51.08 0.33 -0.98	52.42 0.26 -0.39	52.89 0.30 -0.68	57.79 0.36 0.00	55.54 0.71 -0.01	65.52 0.97 -0.06	83.34 1.86 0.00	88.25 2.44 0.00	88.88 2.14 0.00	88.23 1.34 0.00	83.56 1.01 0.00	71.73 0.68 0.00	51.04 0.62 -1.39
ATHENS_STG_3 23677	47.79 0.85 0.00	35.23 0.81 -0.74	36.27 0.93 0.00	34.22 0.95 0.00	32.70 0.96 0.00	33.09 0.93 0.00	33.43 0.96 0.00	37.32 0.79 -0.14	32.64 0.46 -0.01	43.77 0.28 -0.47	49.24 0.34 -0.28	51.08 0.33 -0.98	52.42 0.26 -0.39	52.89 0.30 -0.68	57.79 0.36 0.00	55.54 0.71 -0.01	65.52 0.97 -0.06	83.34 1.86 0.00	88.25 2.44 0.00	88.88 2.14 0.00	88.23 1.34 0.00	83.56 1.01 0.00	71.73 0.68 0.00	51.04 0.62 -1.39
AUBURN___LFGE 323710	48.17 1.05 -0.18	34.41 0.73 0.00	36.13 0.79 0.00	33.99 0.73 0.00	32.39 0.64 0.00	32.74 0.58 0.00	33.12 0.64 0.00	37.21 0.81 0.00	32.83 0.67 0.00	43.75 0.73 0.00	49.47 0.85 0.00	50.81 1.04 0.00	53.23 1.46 0.00	53.41 1.50 0.00	59.36 1.85 -0.06	56.55 1.71 -0.02	67.18 2.62 -0.07	86.32 2.72 -2.12	91.62 3.75 -2.06	90.42 3.56 -0.12	90.96 3.35 -0.71	86.72 3.00 -1.17	74.46 2.48 -0.93	50.68 1.66 0.00
BABYLON_RES_REC 323704	49.66 2.72 0.00	37.74 2.24 -1.82	37.40 2.06 0.00	35.14 1.88 0.00	33.51 1.77 0.00	33.81 1.65 0.00	34.18 1.71 0.00	38.12 1.38 -0.34	33.25 1.06 -0.02	45.25 1.08 -1.16	51.58 2.27 -0.69	54.03 1.85 -2.41	54.57 1.84 -0.96	55.48 1.90 -1.67	59.07 1.63 0.00	57.48 2.64 -0.02	67.02 3.08 0.55	84.00 5.12 2.60	88.52 5.13 2.42	90.01 4.59 1.33	90.71 3.81 0.00	85.84 3.29 0.00	72.63 2.05 0.47	53.70 1.77 -2.91
BALL_HILL_WT_PWR 323825	48.92 1.98 0.00	34.76 1.07 0.00	36.53 1.19 0.00	34.25 0.98 0.00	32.39 0.65 0.00	32.54 0.39 0.00	33.01 0.55 0.00	37.59 1.19 0.00	34.08 1.91 0.00	46.09 3.07 0.00	52.08 3.46 0.00	53.72 3.95 0.00	56.07 4.31 0.00	55.87 3.96 0.00	61.99 4.55 0.00	57.90 3.08 0.00	68.54 4.05 0.00	85.46 3.98 0.00	91.94 6.13 0.00	92.41 5.66 0.00	93.05 6.16 0.00	88.28 5.73 0.00	76.93 5.88 0.00	53.51 4.48 0.00
BARON_WINDS___WT_PWR 323822	47.46 0.52 0.00	33.93 0.24 0.00	35.60 0.26 0.00	33.49 0.22 0.00	31.91 0.16 0.00	32.25 0.09 0.00	32.63 0.17 0.00	36.86 0.47 0.00	33.10 0.94 0.00	44.36 1.34 0.00	49.80 1.18 0.00	51.10 1.34 0.00	53.43 1.67 0.00	53.30 1.39 0.00	59.44 2.00 0.00	56.06 1.24 0.00	66.46 1.97 0.00	83.93 2.45 0.00	89.46 3.65 0.00	90.46 3.71 0.00	90.94 4.04 0.00	86.17 3.62 0.00	74.63 3.58 0.00	51.62 2.59 0.00
BARRETT_IC_1 23704	49.29 2.34 0.00	37.46 1.95 -1.82	37.14 1.80 0.00	34.91 1.65 0.00	33.30 1.55 0.00	33.63 1.47 0.00	34.00 1.53 0.00	37.99 1.25 -0.34	33.17 0.98 -0.02	45.19 1.02 -1.16	51.20 1.88 -0.69	53.72 1.54 -2.41	54.29 1.55 -0.96	55.21 1.63 -1.67	58.79 1.36 0.00	57.03 2.19 -0.02	67.56 2.58 -0.48	89.86 3.94 -4.44	92.76 4.28 -2.67	90.63 3.89 0.00	90.05 3.16 0.00	85.33 2.78 0.00	72.83 1.73 -0.05	54.05 1.56 -3.47
BARRETT_IC_10 23701	49.29 2.34 0.00	37.46 1.95 -1.82	37.14 1.80 0.00	34.91 1.65 0.00	33.30 1.55 0.00	33.63 1.47 0.00	34.00 1.53 0.00	37.99 1.25 -0.34	33.17 0.98 -0.02	45.19 1.02 -1.16	51.20 1.88 -0.69	53.72 1.54 -2.41	54.29 1.55 -0.96	55.21 1.63 -1.67	58.79 1.36 0.00	57.03 2.19 -0.02	63.35 3.73 52.21	33.21 3.94 31.34	58.75 4.28 0.01	90.62 3.89 0.00	90.05 3.16 0.00	85.33 2.78 0.00	72.83 1.73 -0.05	54.05 1.56 -3.47
BARRETT_IC_11 23702	49.29 2.34 0.00	37.46 1.95 -1.82	37.14 1.80 0.00	34.91 1.65 0.00	33.30 1.55 0.00	33.63 1.47 0.00	34.00 1.53 0.00	37.99 1.25 -0.34	33.17 0.98 -0.02	45.19 1.02 -1.16	51.20 1.88 -0.69	53.72 1.54 -2.41	54.29 1.55 -0.96	55.21 1.63 -1.67	58.79 1.36 0.00	57.03 2.19 -0.02	63.35 3.73 52.21	33.21 3.94 31.34	58.75 4.28 0.01	90.62 3.89 0.00	90.05 3.16 0.00	85.33 2.78 0.00	72.83 1.73 -0.05	54.05 1.56 -3.47
BARRETT_IC_12 23703	49.29 2.34 0.00	37.46 1.95 -1.82	37.14 1.80 0.00	34.91 1.65 0.00	33.30 1.55 0.00	33.63 1.47 0.00	34.00 1.53 0.00	37.99 1.25 -0.34	33.17 0.98 -0.02	45.19 1.02 -1.16	51.20 1.88 -0.69	53.72 1.54 -2.41	54.29 1.55 -0.96	55.21 1.63 -1.67	58.79 1.36 0.00	57.03 2.19 -0.02	63.35 3.73 52.21	33.21 3.94 31.34	58.75 4.28 0.01	90.62 3.89 0.00	90.05 3.16 0.00	85.33 2.78 0.00	72.83 1.73 -0.05	54.05 1.56 -3.47
BARRETT_IC_2 23705	49.29 2.34 0.00	37.46 1.95 -1.82	37.14 1.80 0.00	34.91 1.65 0.00	33.30 1.55 0.00	33.63 1.47 0.00	34.00 1.53 0.00	37.99 1.25 -0.34	33.17 0.98 -0.02	45.19 1.02 -1.16	51.20 1.88 -0.69	53.72 1.54 -2.41	54.29 1.55 -0.96	55.21 1.63 -1.67	58.79 1.36 0.00	57.03 2.19 -0.02	67.56 2.58 -0.48	89.86 3.94 -4.44	92.76 4.28 -2.67	90.63 3.89 0.00	90.05 3.16 0.00	85.33 2.78 0.00	72.83 1.73 -0.05	54.05 1.56 -3.47
BARRETT_IC_3 23706	49.29 2.34 0.00	37.46 1.95 -1.82	37.14 1.80 0.00	34.91 1.65 0.00	33.30 1.55 0.00	33.63 1.47 0.00	34.00 1.53 0.00	37.99 1.25 -0.34	33.17 0.98 -0.02	45.19 1.02 -1.16	51.20 1.88 -0.69	53.72 1.54 -2.41	54.29 1.55 -0.96	55.21 1.63 -1.67	58.79 1.36 0.00	57.03 2.19 -0.02	67.56 2.58 -0.48	89.86 3.94 -4.44	92.76 4.28 -2.67	90.63 3.89 0.00	90.05 3.16 0.00	85.33 2.78 0.00	72.83 1.73 -0.05	54.05 1.56 -3.47
BARRETT_IC_4 23707	49.29 2.34 0.00	37.46 1.95 -1.82	37.14 1.80 0.00	34.91 1.65 0.00	33.30 1.55 0.00	33.63 1.47 0.00	34.00 1.53 0.00	37.99 1.25 -0.34	33.17 0.98 -0.02	45.19 1.02 -1.16	51.20 1.88 -0.69	53.72 1.54 -2.41	54.29 1.55 -0.96	55.21 1.63 -1.67	58.79 1.36 0.00	57.03 2.19 -0.02	67.56 2.58 -0.48	89.86 3.94 -4.44	92.76 4.28 -2.67	90.63 3.89 0.00	90.05 3.16 0.00	85.33 2.78 0.00	72.83 1.73 -0.05	54.05 1.56 -3.47
BARRETT_IC_5 23708	49.29 2.34 0.00	37.46 1.95 -1.82	37.14 1.80 0.00	34.91 1.65 0.00	33.30 1.55 0.00	33.63 1.47 0.00	34.00 1.53 0.00	37.99 1.25 -0.34	33.17 0.98 -0.02	45.19 1.02 -1.16	51.20 1.88 -0.69	53.72 1.54 -2.41	54.29 1.55 -0.96	55.21 1.63 -1.67	58.79 1.36 0.00	57.03 2.19 -0.02	67.56 2.58 -0.48	89.86 3.94 -4.44	92.76 4.28 -2.67	90.63 3.89 0.00	90.05 3.16 0.00	85.33 2.78 0.00	72.83 1.73 -0.05	54.05 1.56 -3.47

BARRETT_IC_6 23709	49.29 2.34 0.00	37.46 1.95 -1.82	37.14 1.80 0.00	34.91 1.65 0.00	33.30 1.55 0.00	33.63 1.47 0.00	34.00 1.53 0.00	37.99 1.25 -0.34	33.17 0.98 -0.02	45.19 1.02 -1.16	51.20 1.88 -0.69	53.72 1.54 -2.41	54.29 1.55 -0.96	55.21 1.63 -1.67	58.79 1.36 0.00	57.03 2.19 -0.02	67.56 2.58 -0.48	89.86 3.94 -4.44	92.76 4.28 -2.67	90.63 3.89 0.00	90.05 3.16 0.00	85.33 2.78 0.00	72.83 1.73 -0.05	54.05 1.56 -3.47
BARRETT_IC_7 23710	49.29 2.35 0.00	37.46 1.95 -1.82	37.14 1.80 0.00	34.91 1.65 0.00	33.30 1.55 0.00	33.63 1.47 0.00	34.00 1.53 0.00	37.99 1.25 -0.34	33.17 0.98 -0.02	45.20 1.02 -1.16	51.19 1.88 -0.69	53.72 1.54 -2.41	54.29 1.55 -0.96	55.21 1.63 -1.67	58.80 1.36 0.00	57.05 2.21 -0.02	67.56 2.59 -0.48	90.33 4.41 -4.44	92.83 4.35 -2.67	90.63 3.88 0.00	90.05 3.16 0.00	85.33 2.78 0.00	72.83 1.73 -0.05	54.03 1.54 -3.47
BARRETT_IC_8 23711	49.29 2.34 0.00	37.46 1.95 -1.82	37.14 1.80 0.00	34.91 1.65 0.00	33.30 1.55 0.00	33.63 1.47 0.00	34.00 1.53 0.00	37.99 1.25 -0.34	33.17 0.98 -0.02	45.19 1.02 -1.16	51.20 1.88 -0.69	53.72 1.54 -2.41	54.29 1.55 -0.96	55.21 1.63 -1.67	58.79 1.36 0.00	57.03 2.19 -0.02	67.56 2.58 -0.48	89.86 3.94 -4.44	92.76 4.28 -2.67	90.63 3.89 0.00	90.05 3.16 0.00	85.33 2.78 0.00	72.83 1.73 -0.05	54.05 1.56 -3.47
BARRETT_IC_9 23700	49.29 2.34 0.00	37.46 1.95 -1.82	37.14 1.80 0.00	34.91 1.65 0.00	33.30 1.55 0.00	33.63 1.47 0.00	34.00 1.53 0.00	37.99 1.25 -0.34	33.17 0.98 -0.02	45.19 1.02 -1.16	51.20 1.88 -0.69	53.72 1.54 -2.41	54.29 1.55 -0.96	55.21 1.63 -1.67	58.79 1.36 0.00	57.03 2.19 -0.02	63.35 2.58 3.73	33.21 3.94 52.21	58.75 4.28 31.34	90.62 3.89 0.01	90.05 3.16 0.00	85.33 2.78 0.00	72.83 1.73 -0.05	54.05 1.56 -3.47
BARRETT___1 23545	49.29 2.34 0.00	37.46 1.95 -1.82	37.14 1.80 0.00	34.91 1.65 0.00	33.30 1.55 0.00	33.63 1.47 0.00	34.00 1.53 0.00	37.99 1.25 -0.34	33.17 0.98 -0.02	45.19 1.02 -1.16	51.20 1.88 -0.69	53.72 1.54 -2.41	54.29 1.55 -0.96	55.21 1.63 -1.67	58.79 1.36 0.00	57.03 2.19 -0.02	67.56 2.58 -0.48	89.86 3.94 -4.44	92.76 4.28 -2.67	90.63 3.89 0.00	90.05 3.16 0.00	85.33 2.78 0.00	72.83 1.73 -0.05	54.05 1.56 -3.47
BARRETT___2 23546	49.29 2.34 0.00	37.46 1.95 -1.82	37.14 1.80 0.00	34.91 1.65 0.00	33.30 1.55 0.00	33.63 1.47 0.00	34.00 1.53 0.00	37.99 1.25 -0.34	33.17 0.98 -0.02	45.19 1.02 -1.16	51.20 1.88 -0.69	53.72 1.54 -2.41	54.29 1.55 -0.96	55.21 1.63 -1.67	58.79 1.36 0.00	57.03 2.19 -0.02	63.35 2.58 3.73	33.21 3.94 52.21	58.75 4.28 31.34	90.62 3.89 0.01	90.05 3.16 0.00	85.33 2.78 0.00	72.83 1.73 -0.05	54.05 1.56 -3.47
BATAVIA__115KV_TB1 55881	49.93 2.99 0.00	35.42 1.73 0.00	37.05 1.71 0.00	34.74 1.47 0.00	32.89 1.15 0.00	33.00 0.84 0.00	33.48 1.01 0.00	38.09 1.69 0.00	34.37 2.21 0.00	46.24 3.23 0.00	52.28 3.66 0.00	54.03 4.26 0.00	56.46 4.70 0.00	56.48 4.57 0.00	62.52 5.08 0.00	58.34 3.52 0.00	68.98 4.48 0.00	85.77 4.29 0.00	92.81 7.00 0.00	93.71 6.96 0.00	94.40 7.51 0.00	89.45 6.90 0.00	77.78 6.73 0.00	53.98 4.95 0.00
BAYONEEC___CTG1 323682	49.38 2.44 0.00	37.52 2.02 -1.82	37.23 1.90 0.00	35.05 1.78 0.00	33.45 1.71 0.00	33.80 1.64 0.00	34.19 1.72 0.00	38.37 1.63 -0.34	33.64 1.46 -0.02	45.77 1.60 -1.16	51.13 1.82 -0.69	53.96 1.79 -2.41	54.44 1.71 -0.96	55.30 1.73 -1.67	59.33 1.89 0.00	57.31 2.46 -0.02	67.84 3.20 -0.15	86.30 4.82 0.00	91.34 5.54 0.00	91.75 5.01 0.00	90.94 4.05 0.00	85.94 3.39 0.00	73.61 2.56 0.00	54.42 1.98 -3.41
BAYONEEC___CTG10 323750	49.38 2.44 0.00	37.52 2.02 -1.82	37.23 1.90 0.00	35.05 1.78 0.00	33.45 1.71 0.00	33.80 1.64 0.00	34.19 1.72 0.00	38.37 1.63 -0.34	33.64 1.46 -0.02	45.77 1.60 -1.16	51.13 1.82 -0.69	53.96 1.79 -2.41	54.44 1.71 -0.96	55.30 1.73 -1.67	59.33 1.89 0.00	57.31 2.46 -0.02	67.84 3.20 -0.15	86.30 4.82 0.00	91.34 5.54 0.00	91.75 5.01 0.00	90.94 4.05 0.00	85.94 3.39 0.00	73.61 2.56 0.00	54.42 1.98 -3.41
BAYONEEC___CTG2 323683	49.38 2.44 0.00	37.52 2.02 -1.82	37.23 1.90 0.00	35.05 1.78 0.00	33.45 1.71 0.00	33.80 1.64 0.00	34.19 1.72 0.00	38.37 1.63 -0.34	33.64 1.46 -0.02	45.77 1.60 -1.16	51.13 1.82 -0.69	53.96 1.79 -2.41	54.44 1.71 -0.96	55.30 1.73 -1.67	59.33 1.89 0.00	57.31 2.46 -0.02	67.84 3.20 -0.15	86.30 4.82 0.00	91.34 5.54 0.00	91.75 5.01 0.00	90.94 4.05 0.00	85.94 3.39 0.00	73.61 2.56 0.00	54.42 1.98 -3.41
BAYONEEC___CTG3 323684	49.38 2.44 0.00	37.52 2.02 -1.82	37.23 1.90 0.00	35.05 1.78 0.00	33.45 1.71 0.00	33.80 1.64 0.00	34.19 1.72 0.00	38.37 1.63 -0.34	33.64 1.46 -0.02	45.77 1.60 -1.16	51.13 1.82 -0.69	53.96 1.79 -2.41	54.44 1.71 -0.96	55.30 1.73 -1.67	59.33 1.89 0.00	57.31 2.46 -0.02	67.84 3.20 -0.15	86.30 4.82 0.00	91.34 5.54 0.00	91.75 5.01 0.00	90.94 4.05 0.00	85.94 3.39 0.00	73.61 2.56 0.00	54.42 1.98 -3.41
BAYONEEC___CTG4 323685	49.38 2.44 0.00	37.52 2.02 -1.82	37.23 1.90 0.00	35.05 1.78 0.00	33.45 1.71 0.00	33.80 1.64 0.00	34.19 1.72 0.00	38.37 1.63 -0.34	33.64 1.46 -0.02	45.77 1.60 -1.16	51.13 1.82 -0.69	53.96 1.79 -2.41	54.44 1.71 -0.96	55.30 1.73 -1.67	59.33 1.89 0.00	57.31 2.46 -0.02	67.84 3.20 -0.15	86.30 4.82 0.00	91.34 5.54 0.00	91.75 5.01 0.00	90.94 4.05 0.00	85.94 3.39 0.00	73.61 2.56 0.00	54.42 1.98 -3.41
BAYONEEC___CTG5 323686	49.38 2.44 0.00	37.52 2.02 -1.82	37.23 1.90 0.00	35.05 1.78 0.00	33.45 1.71 0.00	33.80 1.64 0.00	34.19 1.72 0.00	38.37 1.63 -0.34	33.64 1.46 -0.02	45.77 1.60 -1.16	51.13 1.82 -0.69	53.96 1.79 -2.41	54.44 1.71 -0.96	55.30 1.73 -1.67	59.33 1.89 0.00	57.31 2.46 -0.02	67.84 3.20 -0.15	86.30 4.82 0.00	91.34 5.54 0.00	91.75 5.01 0.00	90.94 4.05 0.00	85.94 3.39 0.00	73.61 2.56 0.00	54.42 1.98 -3.41
BAYONEEC___CTG6 323687	49.38 2.44 0.00	37.52 2.02 -1.82	37.23 1.90 0.00	35.05 1.78 0.00	33.45 1.71 0.00	33.80 1.64 0.00	34.19 1.72 0.00	38.37 1.63 -0.34	33.64 1.46 -0.02	45.77 1.60 -1.16	51.13 1.82 -0.69	53.96 1.79 -2.41	54.44 1.71 -0.96	55.30 1.73 -1.67	59.33 1.89 0.00	57.31 2.46 -0.02	67.84 3.20 -0.15	86.30 4.82 0.00	91.34 5.54 0.00	91.75 5.01 0.00	90.94 4.05 0.00	85.94 3.39 0.00	73.61 2.56 0.00	54.42 1.98 -3.41
BAYONEEC___CTG7 323688	49.38 2.44 0.00	37.52 2.02 -1.82	37.23 1.90 0.00	35.05 1.78 0.00	33.45 1.71 0.00	33.80 1.64 0.00	34.19 1.72 0.00	38.37 1.63 -0.34	33.64 1.46 -0.02	45.77 1.60 -1.16	51.13 1.82 -0.69	53.96 1.79 -2.41	54.44 1.71 -0.96	55.30 1.73 -1.67	59.33 1.89 0.00	57.31 2.46 -0.02	67.84 3.20 -0.15	86.30 4.82 0.00	91.34 5.54 0.00	91.75 5.01 0.00	90.94 4.05 0.00	85.94 3.39 0.00	73.61 2.56 0.00	54.42 1.98 -3.41

BAYONEEC___CTG8 323689	49.38 2.44 0.00	37.52 2.02 -1.82	37.23 1.90 0.00	35.05 1.78 0.00	33.45 1.71 0.00	33.80 1.64 0.00	34.19 1.72 0.00	38.37 1.63 -0.34	33.64 1.46 -0.02	45.77 1.60 -1.16	51.13 1.82 -0.69	53.96 1.79 -2.41	54.44 1.71 -0.96	55.30 1.73 -1.67	59.33 1.89 0.00	57.31 2.46 -0.02	67.84 3.20 -0.15	86.30 4.82 0.00	91.34 5.54 0.00	91.75 5.01 0.00	90.94 4.05 0.00	85.94 3.39 0.00	73.61 2.56 0.00	54.42 1.98 -3.41
BAYONEEC___CTG9 323749	49.38 2.44 0.00	37.52 2.02 -1.82	37.23 1.90 0.00	35.05 1.78 0.00	33.45 1.71 0.00	33.80 1.64 0.00	34.19 1.72 0.00	38.37 1.63 -0.34	33.64 1.46 -0.02	45.77 1.60 -1.16	51.13 1.82 -0.69	53.96 1.79 -2.41	54.44 1.71 -0.96	55.30 1.73 -1.67	59.33 1.89 0.00	57.31 2.46 -0.02	67.84 3.20 -0.15	86.30 4.82 0.00	91.34 5.54 0.00	91.75 5.01 0.00	90.94 4.05 0.00	85.94 3.39 0.00	73.61 2.56 0.00	54.42 1.98 -3.41
BEACON___LESR 323632	47.09 0.15 0.00	32.63 0.36 1.41	35.80 0.46 0.00	33.69 0.42 0.00	32.31 0.57 0.00	32.73 0.58 0.00	33.03 0.56 0.00	36.48 0.35 0.27	32.34 0.19 0.02	41.85 -0.26 0.90	47.70 -0.38 0.54	47.48 -0.42 1.87	50.53 -0.49 0.75	50.17 -0.44 1.30	57.06 -0.38 0.00	54.79 -0.01 0.02	64.63 0.25 0.12	82.63 1.15 0.00	87.64 1.83 0.00	88.52 1.77 0.00	87.77 0.88 0.00	83.01 0.46 0.00	71.13 0.08 0.00	46.39 0.01 2.65
BEAVER RIVER___HYD 24048	48.50 1.43 -0.13	34.27 0.59 0.00	35.66 0.32 0.00	33.70 0.43 0.00	32.27 0.53 0.00	32.89 0.73 0.00	33.06 0.59 0.00	37.07 0.67 0.00	32.76 0.60 0.00	44.04 1.03 0.00	49.87 1.25 0.00	50.90 1.13 0.00	53.67 1.90 0.00	52.76 0.85 0.00	58.23 0.74 -0.05	56.43 1.60 -0.01	65.44 0.89 -0.05	85.94 2.94 -1.52	91.24 3.95 -1.48	92.19 5.36 -0.08	93.45 6.05 -0.51	87.85 4.46 -0.84	74.69 2.98 -0.67	51.09 2.07 0.00
BEEBEE_GT_13 23619	48.98 2.04 0.00	34.87 1.18 0.00	36.50 1.16 0.00	34.26 0.99 0.00	32.52 0.77 0.00	32.73 0.57 0.00	33.14 0.67 0.00	37.54 1.15 0.00	33.70 1.53 0.00	45.32 2.30 0.00	51.42 2.80 0.00	53.08 3.32 0.00	55.53 3.76 0.00	55.59 3.68 0.00	61.48 4.04 0.00	57.90 3.08 0.00	68.38 3.88 0.00	85.43 3.95 0.00	91.39 5.58 0.00	92.10 5.36 0.00	92.25 5.36 0.00	87.32 4.77 0.00	75.60 4.55 0.00	52.42 3.39 0.00
BENSHRST_27_KV_BENSHRST_1 355998	49.97 3.03 0.00	37.97 2.47 -1.82	37.65 2.31 0.00	35.42 2.15 0.00	33.79 2.05 0.00	34.13 1.97 0.00	34.53 2.06 0.00	38.75 2.01 -0.34	34.01 1.82 -0.02	46.23 2.05 -1.16	51.58 2.26 -0.69	54.46 2.29 -2.41	54.97 2.23 -0.96	55.87 2.29 -1.67	59.88 2.45 0.00	57.86 3.02 -0.02	68.55 3.90 -0.15	87.36 5.88 0.00	92.35 6.53 0.00	92.76 6.01 0.00	91.94 5.05 0.00	86.86 4.31 0.00	74.39 3.34 0.00	55.05 2.61 -3.42
BETHLEHEM___GRP 23843	46.55 -0.39 0.00	32.32 -0.04 1.33	35.41 0.07 0.00	33.40 0.13 0.00	32.04 0.29 0.00	32.43 0.27 0.00	32.74 0.27 0.00	36.13 -0.02 0.25	31.95 -0.20 0.02	41.30 -0.86 0.85	47.09 -1.02 0.51	46.92 -1.09 1.76	49.84 -1.22 0.70	49.55 -1.14 1.22	56.23 -1.21 0.00	53.95 -0.85 0.02	63.57 -0.82 0.11	81.23 -0.25 0.00	86.09 0.28 0.00	86.83 0.08 0.00	86.21 -0.68 0.00	81.69 -0.86 0.00	70.07 -0.98 0.00	45.94 -0.60 2.49
BETHLEHEM___GS1 323560	46.55 -0.39 0.00	32.32 -0.04 1.33	35.41 0.07 0.00	33.40 0.13 0.00	32.04 0.29 0.00	32.43 0.27 0.00	32.74 0.26 0.00	36.13 -0.02 0.25	31.95 -0.20 0.02	41.30 -0.86 0.85	47.09 -1.02 0.51	46.93 -1.09 1.76	49.84 -1.22 0.70	49.56 -1.14 1.22	56.23 -1.21 0.00	53.95 -0.85 0.02	63.57 -0.81 0.11	81.17 -0.31 0.00	86.08 0.27 0.00	86.83 0.08 0.00	86.21 -0.68 0.00	81.69 -0.86 0.00	70.08 -0.97 0.00	45.93 -0.61 2.49
BETHLEHEM___GS2 323561	46.55 -0.39 0.00	32.32 -0.04 1.33	35.41 0.07 0.00	33.40 0.13 0.00	32.04 0.29 0.00	32.43 0.27 0.00	32.74 0.26 0.00	36.13 -0.02 0.25	31.95 -0.20 0.02	41.30 -0.86 0.85	47.09 -1.02 0.51	46.93 -1.09 1.76	49.84 -1.22 0.70	49.56 -1.14 1.22	56.23 -1.21 0.00	53.95 -0.85 0.02	63.57 -0.81 0.11	81.17 -0.31 0.00	86.08 0.27 0.00	86.83 0.08 0.00	86.21 -0.68 0.00	81.69 -0.86 0.00	70.08 -0.97 0.00	45.93 -0.61 2.49
BETHLEHEM___GS3 323562	46.55 -0.39 0.00	32.32 -0.04 1.33	35.41 0.07 0.00	33.40 0.13 0.00	32.04 0.29 0.00	32.43 0.27 0.00	32.74 0.26 0.00	36.13 -0.02 0.25	31.95 -0.20 0.02	41.30 -0.86 0.85	47.09 -1.02 0.51	46.93 -1.09 1.76	49.84 -1.22 0.70	49.56 -1.14 1.22	56.23 -1.21 0.00	53.95 -0.85 0.02	63.57 -0.81 0.11	81.17 -0.31 0.00	86.08 0.27 0.00	86.83 0.08 0.00	86.21 -0.68 0.00	81.69 -0.86 0.00	70.08 -0.97 0.00	45.93 -0.61 2.49
BETHLEHEM___STEEL 23779	49.01 2.06 0.00	34.81 1.12 0.00	36.49 1.15 0.00	34.23 0.96 0.00	32.39 0.64 0.00	32.50 0.34 0.00	32.98 0.51 0.00	37.57 1.17 0.00	33.99 1.82 0.00	45.94 2.92 0.00	51.98 3.36 0.00	53.65 3.88 0.00	55.99 4.22 0.00	55.76 3.85 0.00	61.87 4.43 0.00	57.96 3.14 0.00	68.45 3.96 0.00	84.81 3.33 0.00	91.62 5.82 0.00	92.10 5.35 0.00	92.55 5.66 0.00	87.75 5.20 0.00	76.53 5.48 0.00	53.29 4.26 0.00
BETHLHEM_115KV_TB1 79974	46.69 -0.25 0.00	32.49 0.05 1.25	35.51 0.17 0.00	33.49 0.22 0.00	32.11 0.37 0.00	32.50 0.34 0.00	32.81 0.34 0.00	36.24 0.07 0.24	32.03 -0.12 0.02	41.50 -0.71 0.80	47.30 -0.84 0.48	47.21 -0.90 1.66	50.07 -1.04 0.66	49.80 -0.97 1.15	56.42 -1.01 0.00	54.14 -0.66 0.02	63.77 -0.62 0.10	81.47 -0.01 0.00	86.30 0.50 0.00	87.04 0.29 0.00	86.45 -0.45 0.00	81.91 -0.64 0.00	70.28 -0.77 0.00	46.22 -0.45 2.35
BETHPAGE_CC_5 323564	49.47 2.53 0.00	37.66 2.16 -1.82	37.32 1.99 0.00	35.08 1.81 0.00	33.45 1.71 0.00	33.77 1.62 0.00	34.14 1.67 0.00	38.11 1.37 -0.34	33.25 1.06 -0.02	45.18 1.01 -1.16	51.37 2.06 -0.69	53.86 1.69 -2.41	54.42 1.69 -0.96	55.31 1.74 -1.67	58.84 1.41 0.00	57.21 2.36 -0.02	66.90 2.76 0.36	83.90 4.51 2.10	88.60 4.64 1.85	89.99 4.15 0.91	90.26 3.36 0.00	85.44 2.89 0.00	72.38 1.76 0.43	53.56 1.58 -2.96
BIGTREE_115_KV_TB2_REV_LBMP_A 345034	49.08 2.14 0.00	34.85 1.17 0.00	36.53 1.20 0.00	34.27 1.00 0.00	32.43 0.69 0.00	32.54 0.39 0.00	33.03 0.56 0.00	37.63 1.23 0.00	34.03 1.87 0.00	46.02 3.01 0.00	52.09 3.47 0.00	53.75 3.98 0.00	56.11 4.34 0.00	55.89 3.98 0.00	62.05 4.61 0.00	58.13 3.31 0.00	68.70 4.21 0.00	85.16 3.68 0.00	92.02 6.21 0.00	92.42 5.67 0.00	92.82 5.93 0.00	87.98 5.43 0.00	76.69 5.64 0.00	53.37 4.34 0.00
BINGHAMTON___COGEN 23790	47.64 0.70 0.00	34.17 0.48 0.00	35.87 0.53 0.00	33.75 0.48 0.00	32.22 0.47 0.00	32.60 0.45 0.00	32.97 0.50 0.00	37.01 0.61 0.00	32.70 0.54 0.00	43.69 0.68 0.00	49.37 0.75 0.00	50.72 0.95 0.00	52.90 1.13 0.00	52.91 1.00 0.00	58.73 1.29 0.00	56.21 1.40 0.00	66.24 1.75 0.00	83.94 2.46 0.00	89.04 3.24 0.00	89.66 2.91 0.00	89.36 2.46 0.00	84.59 2.04 0.00	72.90 1.85 0.00	50.29 1.27 0.00

BIXINCNT_115KV_LOAD 355685	48.51 1.57 0.00	34.32 0.63 0.00	36.16 0.82 0.00	34.05 0.78 0.00	32.20 0.46 0.00	32.38 0.22 0.00	33.02 0.55 0.00	37.64 1.24 0.00	34.05 1.88 0.00	46.06 3.05 0.00	51.96 3.34 0.00	53.41 3.64 0.00	55.63 3.86 0.00	55.42 3.51 0.00	61.78 4.34 0.00	57.68 2.86 0.00	68.92 4.42 0.00	85.54 4.06 0.00	92.66 6.85 0.00	93.01 6.26 0.00	93.14 6.25 0.00	88.32 5.77 0.00	76.63 5.58 0.00	53.24 4.22 0.00
BLACK RIVER___HYD 24047	49.52 2.35 -0.23	34.90 1.22 0.00	36.25 0.91 0.00	34.26 0.99 0.00	32.82 1.07 0.00	33.40 1.25 0.00	33.57 1.10 0.00	37.64 1.24 0.00	33.23 1.06 0.00	44.58 1.57 0.00	50.41 1.79 0.00	51.62 1.85 0.00	54.95 3.18 0.00	53.46 1.55 0.00	58.93 1.40 -0.08	57.24 2.40 -0.02	66.25 1.66 -0.09	88.65 4.42 -2.75	94.28 5.80 -2.67	94.34 7.44 -0.15	96.51 8.70 -0.92	90.63 6.57 -1.51	76.79 4.53 -1.20	52.18 3.15 0.00
BLACKRVR_115KV_TB2 79977	49.52 2.35 -0.23	34.90 1.22 0.00	36.25 0.91 0.00	34.26 0.99 0.00	32.82 1.08 0.00	33.40 1.25 0.00	33.57 1.10 0.00	37.64 1.24 0.00	33.23 1.06 0.00	44.58 1.57 0.00	50.41 1.80 0.00	51.62 1.85 0.00	54.95 3.18 0.00	53.46 1.55 0.00	58.93 1.40 -0.08	57.24 2.40 -0.02	66.25 1.66 -0.09	88.60 4.37 -2.75	94.27 5.79 -2.67	94.34 7.44 -0.15	96.51 8.70 -0.92	90.63 6.57 -1.51	76.79 4.54 -1.20	52.18 3.15 0.00
BLDWN_LI_69_KV_BK4 356085	49.78 2.84 0.00	37.81 2.31 -1.82	37.45 2.11 0.00	35.20 1.93 0.00	33.57 1.83 0.00	33.89 1.73 0.00	34.26 1.79 0.00	38.29 1.55 -0.34	33.44 1.26 -0.02	45.55 1.38 -1.16	51.68 2.37 -0.69	54.26 2.09 -2.41	54.89 2.16 -0.96	55.78 2.20 -1.67	59.35 1.91 0.00	57.66 2.82 -0.02	67.99 3.34 -0.15	86.88 5.40 0.00	91.18 5.37 0.00	91.64 4.89 0.00	91.00 4.11 0.00	86.32 3.77 0.00	73.38 2.57 0.24	54.33 2.15 -3.16
BLISS_WT_PWR 323608	48.31 1.37 0.00	34.13 0.44 0.00	36.02 0.68 0.00	33.95 0.68 0.00	32.10 0.35 0.00	32.28 0.12 0.00	32.96 0.49 0.00	37.60 1.21 0.00	34.02 1.86 0.00	46.07 3.05 0.00	51.91 3.29 0.00	53.36 3.60 0.00	55.55 3.79 0.00	55.32 3.41 0.00	61.74 4.30 0.00	57.50 2.68 0.00	68.90 4.40 0.00	85.90 4.42 0.00	92.73 6.92 0.00	93.02 6.28 0.00	93.17 6.28 0.00	88.34 5.79 0.00	76.56 5.51 0.00	53.21 4.19 0.00
BLUESTONE___WT_PWR 323821	48.40 1.46 0.00	34.77 1.09 0.00	36.45 1.11 0.00	34.29 1.02 0.00	33.08 1.33 0.00	33.57 1.41 0.00	33.92 1.45 0.00	38.12 1.73 0.00	33.71 1.54 0.00	45.21 2.20 0.00	51.39 2.77 0.00	52.52 2.75 0.00	54.37 2.60 0.00	54.49 2.58 0.00	60.49 3.06 0.00	57.87 3.06 0.00	68.20 3.70 0.00	86.58 5.10 0.00	92.26 6.45 0.00	93.53 6.78 0.00	93.88 6.98 0.00	89.20 6.65 0.00	75.91 4.86 0.00	52.05 3.03 0.00
BLUE_CIRC_CHEM_DRP 24182	46.35 -0.59 0.00	32.60 -0.21 0.87	35.29 -0.05 0.00	33.29 0.02 0.00	31.87 0.13 0.00	32.26 0.11 0.00	32.55 0.08 0.00	36.05 -0.18 0.16	31.74 -0.41 0.01	41.46 -1.00 0.55	47.04 -1.25 0.33	47.23 -1.38 1.15	49.72 -1.58 0.46	49.57 -1.54 0.80	55.76 -1.68 0.00	53.48 -1.32 0.01	63.04 -1.38 0.07	80.41 -1.07 0.00	85.29 -0.52 0.00	86.19 -0.56 0.00	85.71 -1.19 0.00	81.25 -1.30 0.00	69.76 -1.29 0.00	46.61 -0.78 1.63
BOC_GAS_DRP 24189	47.09 0.15 0.00	33.15 0.30 0.83	35.77 0.43 0.00	33.75 0.48 0.00	32.28 0.54 0.00	32.67 0.51 0.00	32.98 0.51 0.00	36.55 0.31 0.16	32.23 0.08 0.01	42.20 -0.28 0.53	47.96 -0.34 0.32	48.28 -0.38 1.10	50.85 -0.47 0.44	50.72 -0.43 0.76	56.98 -0.46 0.00	54.65 -0.15 0.01	64.36 -0.07 0.07	81.99 0.51 0.00	86.79 0.98 0.00	87.52 0.77 0.00	86.99 0.09 0.00	82.46 -0.09 0.00	70.81 -0.24 0.00	47.41 -0.05 1.57
BOONVILLE_115KV_TB1 79983	48.40 1.46 0.00	34.52 0.83 0.00	36.08 0.74 0.00	34.05 0.78 0.00	32.53 0.78 0.00	33.03 0.88 0.00	33.29 0.82 0.00	37.30 0.90 0.00	32.96 0.79 0.00	44.22 1.20 0.00	50.04 1.42 0.00	51.10 1.33 0.00	53.45 1.69 0.00	53.24 1.33 0.00	58.93 1.49 0.00	56.78 1.96 0.00	66.54 2.05 0.00	85.15 3.67 0.00	90.20 4.39 0.00	91.53 4.78 0.00	91.65 4.76 0.00	86.33 3.78 0.00	73.75 2.70 0.00	50.85 1.82 0.00
BORALEX_4TH_BRANCH 23824	48.18 1.24 0.00	31.48 1.40 3.60	36.91 1.57 0.00	34.77 1.50 0.00	33.26 1.52 0.00	33.67 1.52 0.00	33.98 1.51 0.00	36.93 1.21 0.68	33.06 0.94 0.04	41.10 0.39 2.30	47.47 0.22 1.37	45.10 0.09 4.76	49.72 -0.14 1.91	48.55 -0.05 3.30	57.49 0.05 0.00	55.15 0.38 0.05	64.71 0.51 0.29	83.48 2.00 0.00	88.82 3.02 0.00	89.53 2.79 0.00	88.67 1.77 0.00	84.31 1.76 0.00	72.21 1.16 0.00	43.11 0.85 6.76
BOWLINE___1 23526	48.97 2.03 0.00	37.03 1.64 -1.71	36.87 1.54 0.00	34.73 1.46 0.00	33.15 1.41 0.00	33.52 1.37 0.00	33.91 1.44 0.00	38.03 1.31 -0.32	33.33 1.14 -0.02	45.32 1.22 -1.09	50.71 1.44 -0.65	53.51 1.48 -2.26	54.13 1.46 -0.90	54.99 1.51 -1.57	59.07 1.63 0.00	56.98 2.13 -0.02	67.51 2.88 -0.14	85.85 4.38 0.00	90.91 5.11 0.00	91.36 4.61 0.00	90.58 3.68 0.00	85.60 3.05 0.00	73.32 2.27 0.00	53.91 1.68 -3.21
BOWLINE___2 23595	48.97 2.03 0.00	37.03 1.64 -1.71	36.87 1.54 0.00	34.73 1.46 0.00	33.15 1.41 0.00	33.52 1.37 0.00	33.91 1.44 0.00	38.03 1.31 -0.32	33.33 1.14 -0.02	45.32 1.22 -1.09	50.71 1.44 -0.65	53.51 1.48 -2.26	54.13 1.46 -0.90	54.99 1.51 -1.57	59.07 1.63 0.00	56.98 2.13 -0.02	67.51 2.88 -0.14	85.85 4.38 0.00	90.91 5.11 0.00	91.36 4.61 0.00	90.58 3.68 0.00	85.60 3.05 0.00	73.32 2.27 0.00	53.91 1.68 -3.21
BRADY___115KV_TB2 356060	47.76 0.82 0.00	33.97 0.28 0.00	35.48 0.15 0.00	33.35 0.08 0.00	31.78 0.04 0.00	32.36 0.20 0.00	32.63 0.16 0.00	36.66 0.26 0.00	32.44 0.27 0.00	43.73 0.71 0.00	49.43 0.81 0.00	50.37 0.60 0.00	52.45 0.68 0.00	52.65 0.74 0.00	58.00 0.56 0.00	54.87 0.05 0.00	64.69 0.19 0.00	80.87 -0.60 0.00	83.94 -1.87 0.00	86.91 0.16 0.00	88.23 1.34 0.00	84.18 1.63 0.00	72.53 1.48 0.00	49.92 0.89 0.00
BRANSCOMB___SOLAR 323811	49.01 2.07 0.00	33.57 1.69 1.81	37.22 1.88 0.00	35.04 1.77 0.00	33.46 1.72 0.00	33.85 1.69 0.00	34.20 1.73 0.00	37.65 1.59 0.34	33.41 1.26 0.02	42.96 1.10 1.15	48.88 0.95 0.69	48.25 0.88 2.39	51.44 0.63 0.96	51.07 0.81 1.66	58.52 1.08 0.00	56.23 1.44 0.02	66.36 2.01 0.15	85.27 3.79 0.00	91.12 5.31 0.00	91.99 5.24 0.00	91.40 4.51 0.00	86.62 4.07 0.00	74.09 3.04 0.00	47.69 2.06 3.39
BRDGHMPT_69_KV_BK1 55812	50.56 3.62 0.00	38.35 2.85 -1.82	38.01 2.68 0.00	35.67 2.40 0.00	34.01 2.27 0.00	34.29 2.14 0.00	34.64 2.17 0.00	38.56 1.82 -0.34	33.85 1.67 -0.02	46.17 1.99 -1.16	52.90 3.59 -0.69	55.50 3.33 -2.41	56.11 3.38 -0.96	57.04 3.46 -1.67	60.93 3.50 0.01	59.50 4.66 -0.02	68.63 5.30 1.16	86.49 8.79 3.79	90.01 8.20 4.01	91.54 7.46 2.68	93.16 6.27 0.00	88.10 5.55 0.00	74.47 3.95 0.53	54.72 2.85 -2.84



BRENTWOD_69_KV_W. BRTWOOD 56703	49.77 2.83 0.00	37.82 2.32 -1.82	37.50 2.16 0.00	35.22 1.95 0.00	33.58 1.84 0.00	33.88 1.73 0.00	34.27 1.80 0.00	38.14 1.41 -0.34	33.28 1.09 -0.02	45.27 1.09 -1.16	51.73 2.42 -0.69	54.18 2.00 -2.41	54.69 1.96 -0.96	55.61 2.03 -1.67	59.16 1.74 0.01	57.69 2.85 -0.02	66.16 3.13 1.47	83.18 5.78 4.07	85.62 4.50 4.69	87.11 3.76 3.39	89.86 2.97 0.00	85.04 2.49 0.00	72.06 1.54 0.52	53.59 1.72 -2.85
BRISTLHL_115KV_TB1 79998	47.31 -0.20 -0.57	33.49 -0.20 0.00	35.11 -0.23 0.00	33.03 -0.24 0.00	31.49 -0.25 0.00	31.85 -0.30 0.00	32.18 -0.28 0.00	36.11 -0.29 0.00	31.97 -0.19 0.00	42.71 -0.31 0.00	48.37 -0.25 0.00	49.63 -0.13 0.00	51.76 0.00 0.00	51.84 -0.07 0.00	57.61 -0.04 -0.21	54.89 0.02 -0.05	64.91 0.20 -0.21	88.60 0.29 -6.84	92.99 0.55 -6.64	87.54 0.41 -0.38	89.42 0.23 -2.29	86.32 0.01 -3.76	73.92 -0.12 -2.99	48.96 -0.07 0.00
BROOKHAVEN___DRP 24191	49.17 2.22 0.00	37.43 1.93 -1.82	37.07 1.74 0.00	34.82 1.55 0.00	33.21 1.47 0.00	33.50 1.34 0.00	33.87 1.40 0.00	37.69 0.95 -0.34	32.93 0.75 -0.02	44.79 0.61 -1.16	51.20 1.89 -0.69	53.60 1.42 -2.41	54.10 1.37 -0.96	55.07 1.49 -1.67	58.62 1.19 0.01	57.22 2.38 -0.02	65.85 2.50 1.14	83.07 5.35 3.76	86.43 4.58 3.96	88.11 3.99 2.63	89.93 3.03 0.00	85.15 2.60 0.00	71.84 1.33 0.54	53.05 1.19 -2.84
BROOKLYN_NAVY_YARD 23515	49.37 2.43 0.00	37.51 2.01 -1.82	37.22 1.88 0.00	35.03 1.76 0.00	33.43 1.69 0.00	33.79 1.63 0.00	34.17 1.71 0.00	38.34 1.60 -0.34	33.63 1.45 -0.02	45.76 1.58 -1.16	51.08 1.77 -0.69	53.94 1.77 -2.41	54.44 1.71 -0.96	55.34 1.77 -1.67	59.36 1.92 0.00	57.34 2.50 -0.02	67.97 3.24 -0.24	87.55 4.88 -1.20	92.14 5.61 -0.72	91.82 5.07 0.00	91.04 4.15 0.00	86.04 3.49 0.00	73.72 2.67 0.00	54.47 2.03 -3.41
BROOKLYN___ARMY_DRP 323595	49.61 2.67 0.00	37.73 2.22 -1.82	37.40 2.06 0.00	35.20 1.93 0.00	33.59 1.84 0.00	33.93 1.77 0.00	34.32 1.85 0.00	38.51 1.77 -0.34	33.79 1.60 -0.02	45.91 1.74 -1.16	51.20 1.89 -0.69	54.06 1.89 -2.41	54.54 1.81 -0.96	55.42 1.84 -1.67	59.37 1.94 0.00	57.38 2.53 -0.02	67.95 3.31 -0.15	86.60 5.12 0.00	91.52 5.72 0.00	91.95 5.20 0.00	91.14 4.25 0.00	86.07 3.52 0.00	73.73 2.68 0.00	54.60 2.17 -3.42
BROOME_2_LFGE 323671	47.64 0.70 0.00	34.17 0.48 0.00	35.87 0.53 0.00	33.75 0.48 0.00	32.22 0.47 0.00	32.60 0.45 0.00	32.97 0.50 0.00	37.01 0.61 0.00	32.70 0.54 0.00	43.69 0.68 0.00	49.37 0.75 0.00	50.72 0.95 0.00	52.90 1.13 0.00	52.91 1.00 0.00	58.73 1.30 0.00	56.21 1.39 0.00	66.24 1.74 0.00	84.02 2.55 0.00	89.07 3.26 0.00	89.66 2.91 0.00	89.36 2.46 0.00	84.59 2.04 0.00	72.89 1.84 0.00	50.29 1.27 0.00
BROOME___LFGE 323600	47.64 0.70 0.00	34.17 0.48 0.00	35.87 0.53 0.00	33.75 0.48 0.00	32.22 0.47 0.00	32.60 0.45 0.00	32.97 0.50 0.00	37.01 0.61 0.00	32.70 0.54 0.00	43.69 0.68 0.00	49.37 0.75 0.00	50.72 0.95 0.00	52.90 1.13 0.00	52.91 1.00 0.00	58.73 1.30 0.00	56.21 1.39 0.00	66.24 1.74 0.00	84.02 2.55 0.00	89.07 3.26 0.00	89.66 2.91 0.00	89.36 2.46 0.00	84.59 2.04 0.00	72.89 1.84 0.00	50.29 1.27 0.00
BROWNFLS_115KV_TB 3_5 80003	47.77 0.74 -0.08	33.83 0.14 0.00	35.25 -0.09 0.00	33.25 -0.02 0.00	31.77 0.02 0.00	32.37 0.21 0.00	32.58 0.11 0.00	36.60 0.20 0.00	32.39 0.22 0.00	43.63 0.62 0.00	49.37 0.76 0.00	50.37 0.60 0.00	52.82 1.06 0.00	52.35 0.44 0.00	57.71 0.24 -0.03	55.40 0.57 -0.01	64.55 0.03 -0.03	83.41 0.90 -1.03	87.73 0.92 -1.00	89.29 2.48 -0.06	90.56 3.32 -0.34	85.63 2.51 -0.57	73.16 1.66 -0.45	50.13 1.11 0.00
BROWNSV1_27_KV_LOAD 356125	50.02 3.08 0.00	37.97 2.47 -1.82	37.69 2.36 0.00	35.46 2.19 0.00	33.84 2.09 0.00	34.19 2.04 0.00	34.58 2.11 0.00	38.80 2.06 -0.34	34.04 1.86 -0.02	46.33 2.15 -1.16	51.80 2.49 -0.69	54.69 2.52 -2.41	55.22 2.49 -0.96	56.13 2.55 -1.67	60.26 2.82 0.00	58.21 3.37 -0.02	68.89 4.25 -0.15	87.77 6.29 0.00	92.81 7.00 0.00	93.22 6.47 0.00	92.43 5.53 0.00	87.35 4.80 0.00	74.79 3.74 0.00	55.22 2.79 -3.41
BURROWS___LYONSDAL 23803	48.36 1.36 -0.06	34.38 0.70 0.00	35.89 0.56 0.00	33.89 0.63 0.00	32.41 0.66 0.00	32.95 0.80 0.00	33.18 0.71 0.00	37.18 0.79 0.00	32.86 0.69 0.00	44.10 1.09 0.00	49.95 1.33 0.00	51.00 1.23 0.00	53.44 1.68 0.00	53.03 1.12 0.00	58.66 1.20 -0.02	56.68 1.85 0.00	66.17 1.65 -0.02	85.63 3.44 -0.72	90.79 4.29 -0.69	91.74 4.95 -0.04	92.19 5.06 -0.24	86.78 3.84 -0.39	74.02 2.66 -0.31	50.84 1.82 0.00
CAITHNESS_CC_1 323624	49.13 2.18 0.00	37.40 1.90 -1.82	37.06 1.73 0.00	34.80 1.53 0.00	33.19 1.45 0.00	33.49 1.33 0.00	33.85 1.39 0.00	37.68 0.94 -0.34	32.91 0.72 -0.02	44.75 0.58 -1.16	51.16 1.85 -0.69	53.53 1.36 -2.41	54.03 1.30 -0.96	54.99 1.41 -1.67	58.51 1.08 0.01	57.05 2.21 -0.02	65.71 2.33 1.12	82.16 4.41 3.73	86.17 4.27 3.91	87.90 3.74 2.58	89.70 2.81 0.00	84.95 2.40 0.00	71.68 1.17 0.54	52.99 1.12 -2.84
CALPINE BETH_PAGE_GT4 24209	49.49 2.55 0.00	37.72 2.22 -1.82	37.39 2.06 0.00	35.15 1.88 0.00	33.52 1.77 0.00	33.84 1.68 0.00	34.21 1.74 0.00	38.19 1.45 -0.34	33.29 1.10 -0.02	45.18 1.00 -1.16	51.34 2.03 -0.69	53.87 1.69 -2.41	54.43 1.70 -0.96	55.33 1.76 -1.67	58.90 1.46 0.00	57.24 2.40 -0.02	67.37 2.82 -0.06	85.30 5.06 1.24	89.84 4.78 0.74	90.99 4.24 0.00	90.33 3.44 0.00	85.52 2.97 0.00	72.48 1.81 0.38	53.61 1.58 -3.01
CALPINE_BETH_PAGE_GT_4 323586	49.49 2.55 0.00	37.72 2.22 -1.82	37.40 2.06 0.00	35.14 1.88 0.00	33.52 1.77 0.00	33.84 1.68 0.00	34.21 1.74 0.00	38.19 1.45 -0.34	33.29 1.10 -0.02	45.18 1.00 -1.16	51.35 2.04 -0.69	53.86 1.69 -2.41	54.44 1.71 -0.96	55.33 1.76 -1.67	58.89 1.46 0.00	57.22 2.38 -0.02	67.37 2.82 -0.06	84.78 4.54 1.24	89.77 4.71 0.74	90.99 4.24 0.00	90.33 3.43 0.00	85.52 2.97 0.00	72.48 1.80 0.38	53.62 1.59 -3.01
CALPINE_BP_GT1 23823	49.49 2.55 0.00	37.72 2.22 -1.82	37.40 2.06 0.00	35.14 1.88 0.00	33.52 1.77 0.00	33.84 1.68 0.00	34.21 1.74 0.00	38.19 1.45 -0.34	33.29 1.10 -0.02	45.18 1.00 -1.16	51.35 2.04 -0.69	53.86 1.69 -2.41	54.44 1.71 -0.96	55.33 1.76 -1.67	58.89 1.46 0.00	57.22 2.38 -0.02	67.37 2.82 -0.06	84.78 4.54 1.24	89.77 4.71 0.74	90.99 4.24 0.00	90.33 3.43 0.00	85.52 2.97 0.00	72.48 1.80 0.38	53.62 1.59 -3.01
CALSPAN___DRP 24200	49.01 2.06 0.00	34.81 1.12 0.00	36.49 1.15 0.00	34.23 0.96 0.00	32.39 0.64 0.00	32.50 0.34 0.00	32.98 0.51 0.00	37.57 1.17 0.00	33.99 1.82 0.00	45.94 2.92 0.00	51.98 3.36 0.00	53.65 3.88 0.00	55.99 4.22 0.00	55.76 3.85 0.00	61.87 4.43 0.00	57.96 3.14 0.00	68.45 3.96 0.00	84.81 3.33 0.00	91.62 5.82 0.00	92.10 5.35 0.00	92.55 5.66 0.00	87.75 5.20 0.00	76.53 5.48 0.00	53.29 4.26 0.00

CALVERTON___SOLAR 323806	49.30 2.36 0.00	37.51 2.01 -1.82	37.15 1.81 0.00	34.89 1.62 0.00	33.27 1.53 0.00	33.56 1.40 0.00	33.93 1.46 0.00	37.76 1.02 -0.34	33.01 0.82 -0.02	44.93 0.75 -1.16	51.37 2.06 -0.69	53.77 1.59 -2.41	54.30 1.57 -0.96	55.27 1.70 -1.67	58.87 1.44 0.01	57.43 2.59 -0.02	66.18 2.83 1.15	82.77 5.06 3.77	86.79 4.96 3.97	88.51 4.41 2.65	90.32 3.42 0.00	85.51 2.96 0.00	72.12 1.60 0.54	53.24 1.38 -2.84
CANDIGU_WT_PWR 323617	47.46 0.52 0.00	33.93 0.24 0.00	35.60 0.26 0.00	33.49 0.22 0.00	31.91 0.16 0.00	32.25 0.09 0.00	32.63 0.17 0.00	36.86 0.47 0.00	33.10 0.94 0.00	44.36 1.34 0.00	49.80 1.18 0.00	51.10 1.34 0.00	53.43 1.67 0.00	53.30 1.39 0.00	59.44 2.00 0.00	56.06 1.24 0.00	66.46 1.97 0.00	83.93 2.45 0.00	89.46 3.65 0.00	90.46 3.71 0.00	90.94 4.04 0.00	86.17 3.62 0.00	74.63 3.58 0.00	51.62 2.59 0.00
CARR STREET_E_SYR 24060	46.87 -0.07 0.00	33.58 -0.11 0.00	35.21 -0.13 0.00	33.12 -0.15 0.00	31.59 -0.16 0.00	31.94 -0.22 0.00	32.27 -0.20 0.00	36.23 -0.17 0.00	32.07 -0.09 0.00	42.87 -0.14 0.00	48.46 -0.16 0.00	49.78 0.01 0.00	51.97 0.21 0.00	52.12 0.21 0.00	57.75 0.31 0.00	55.11 0.29 0.00	64.98 0.49 0.00	82.21 0.73 0.00	86.90 1.09 0.00	87.59 0.85 0.00	87.47 0.57 0.00	82.88 0.33 0.00	71.24 0.19 0.00	49.19 0.17 0.00
CARTHAGE___PAPER 23857	49.26 2.13 -0.19	34.74 1.05 0.00	36.11 0.77 0.00	34.13 0.86 0.00	32.68 0.94 0.00	33.30 1.15 0.00	33.46 0.99 0.00	37.52 1.12 0.00	33.13 0.96 0.00	44.52 1.50 0.00	50.26 1.64 0.00	51.39 1.62 0.00	54.43 2.66 0.00	53.32 1.41 0.00	58.84 1.33 -0.07	57.01 2.18 -0.02	66.14 1.58 -0.07	87.57 3.81 -2.28	93.25 5.23 -2.21	93.60 6.73 -0.13	95.44 7.78 -0.76	89.75 5.95 -1.25	76.17 4.12 -1.00	51.85 2.82 0.00
CASSADAGA_WT_PWR 323784	49.08 2.13 0.00	34.92 1.24 0.00	36.90 1.56 0.00	34.56 1.30 0.00	32.62 0.87 0.00	32.90 0.74 0.00	33.38 0.91 0.00	37.99 1.59 0.00	34.69 2.53 0.00	47.01 4.00 0.00	53.04 4.43 0.00	54.57 4.81 0.00	56.90 5.14 0.00	56.97 5.05 0.00	63.33 5.90 0.00	58.81 3.99 0.00	69.89 5.39 0.00	87.59 6.11 0.00	94.33 8.52 0.00	94.76 8.02 0.00	95.46 8.57 0.00	90.63 8.08 0.00	78.89 7.84 0.00	54.67 5.64 0.00
CE_DUNWOOD___DRP 24194	49.16 2.22 0.00	37.32 1.82 -1.81	37.07 1.73 0.00	34.89 1.62 0.00	33.31 1.57 0.00	33.68 1.52 0.00	34.06 1.58 0.00	38.20 1.46 -0.34	33.45 1.27 -0.02	45.54 1.36 -1.16	50.94 1.63 -0.69	53.83 1.66 -2.40	54.33 1.60 -0.96	55.24 1.67 -1.66	59.24 1.80 0.00	57.17 2.32 -0.02	67.68 3.04 -0.15	86.24 4.76 0.00	91.19 5.38 0.00	91.61 4.86 0.00	90.82 3.93 0.00	85.83 3.28 0.00	73.48 2.43 0.00	54.26 1.84 -3.40
CE_MILLWOOD___DRP 24193	49.06 2.12 0.00	37.22 1.74 -1.80	36.98 1.64 0.00	34.83 1.56 0.00	33.25 1.50 0.00	33.61 1.46 0.00	33.99 1.52 0.00	38.13 1.40 -0.34	33.39 1.20 -0.02	45.44 1.28 -1.15	50.84 1.53 -0.69	53.71 1.56 -2.38	54.23 1.51 -0.96	55.13 1.57 -1.65	59.15 1.71 0.00	57.05 2.21 -0.02	67.56 2.92 -0.15	86.07 4.59 0.00	91.01 5.21 0.00	91.45 4.70 0.00	90.65 3.75 0.00	85.69 3.14 0.00	73.36 2.31 0.00	54.15 1.74 -3.38
CE_NYC2_DRP 24202	49.35 2.40 0.00	37.57 2.07 -1.82	37.26 1.93 0.00	35.08 1.81 0.00	33.49 1.74 0.00	33.84 1.68 0.00	34.22 1.75 0.00	38.39 1.65 -0.34	33.68 1.49 -0.02	45.76 1.58 -1.16	51.05 1.74 -0.69	53.86 1.69 -2.41	54.33 1.60 -0.96	55.21 1.64 -1.67	59.20 1.76 0.00	57.21 2.37 -0.02	67.71 3.07 -0.15	86.28 4.80 0.00	91.17 5.36 0.00	91.57 4.82 0.00	90.76 3.87 0.00	85.77 3.22 0.00	73.43 2.38 0.00	54.32 1.89 -3.41
CE_NYC_DRP 24195	49.48 2.54 0.00	37.59 2.09 -1.82	37.30 1.96 0.00	35.10 1.83 0.00	33.51 1.77 0.00	33.86 1.71 0.00	34.25 1.79 0.00	38.43 1.70 -0.34	33.71 1.52 -0.02	45.87 1.69 -1.16	51.24 1.93 -0.69	54.10 1.92 -2.41	54.60 1.87 -0.96	55.48 1.91 -1.67	59.53 2.09 0.00	57.50 2.66 -0.02	68.05 3.41 -0.15	86.71 5.23 0.00	91.65 5.84 0.00	92.04 5.29 0.00	91.23 4.34 0.00	86.21 3.66 0.00	73.82 2.77 0.00	54.55 2.11 -3.41
CHAFFEE___LFGE 323603	49.20 2.26 0.00	34.94 1.25 0.00	36.60 1.26 0.00	34.33 1.06 0.00	32.52 0.78 0.00	32.65 0.49 0.00	33.14 0.67 0.00	37.73 1.33 0.00	34.09 1.92 0.00	46.08 3.06 0.00	52.15 3.53 0.00	53.86 4.10 0.00	56.25 4.48 0.00	56.02 4.11 0.00	62.15 4.71 0.00	58.25 3.43 0.00	68.88 4.38 0.00	85.77 4.29 0.00	92.31 6.50 0.00	92.65 5.90 0.00	93.05 6.16 0.00	88.25 5.70 0.00	76.84 5.79 0.00	53.46 4.43 0.00
CHATEAUG_35_KV_LOAD 355732	46.29 -0.65 0.00	32.90 -0.79 0.00	34.31 -1.02 0.00	32.24 -1.03 0.00	30.67 -1.07 0.00	31.23 -0.92 0.00	31.58 -0.88 0.00	35.68 -0.71 0.00	31.71 -0.46 0.00	42.91 -0.10 0.00	48.40 -0.22 0.00	49.44 -0.33 0.00	51.24 -0.53 0.00	51.31 -0.60 0.00	56.40 -1.04 0.00	53.28 -1.54 0.00	62.77 -1.73 0.00	79.09 -2.39 0.00	82.71 -3.10 0.00	84.60 -2.15 0.00	85.43 -1.46 0.00	81.47 -1.08 0.00	70.02 -1.03 0.00	48.14 -0.88 0.00
CHATEAUG_WT_PWR 323614	46.16 -0.78 0.00	32.85 -0.84 0.00	34.28 -1.05 0.00	32.21 -1.06 0.00	30.65 -1.10 0.00	31.19 -0.96 0.00	31.55 -0.92 0.00	35.67 -0.73 0.00	31.72 -0.44 0.00	42.89 -0.13 0.00	48.35 -0.27 0.00	49.40 -0.36 0.00	51.20 -0.56 0.00	51.27 -0.64 0.00	56.35 -1.09 0.00	53.25 -1.57 0.00	62.79 -1.71 0.00	79.11 -2.37 0.00	82.80 -3.01 0.00	84.48 -2.27 0.00	85.24 -1.66 0.00	81.16 -1.39 0.00	69.78 -1.27 0.00	48.00 -1.03 0.00
CHAT_HIGH_FALL_HYD 323578	46.29 -0.65 0.00	32.90 -0.79 0.00	34.31 -1.02 0.00	32.24 -1.03 0.00	30.67 -1.07 0.00	31.23 -0.92 0.00	31.58 -0.88 0.00	35.68 -0.71 0.00	31.71 -0.46 0.00	42.91 -0.10 0.00	48.40 -0.22 0.00	49.44 -0.33 0.00	51.24 -0.53 0.00	51.31 -0.60 0.00	56.40 -1.04 0.00	53.28 -1.54 0.00	62.77 -1.73 0.00	79.09 -2.39 0.00	82.71 -3.10 0.00	84.60 -2.15 0.00	85.43 -1.46 0.00	81.47 -1.08 0.00	70.02 -1.03 0.00	48.14 -0.88 0.00
CHAUTAUQUA___LFGE 323629	49.12 2.18 0.00	34.92 1.24 0.00	36.77 1.43 0.00	34.46 1.19 0.00	32.56 0.82 0.00	32.75 0.59 0.00	33.22 0.75 0.00	37.81 1.41 0.00	34.35 2.19 0.00	46.49 3.48 0.00	52.53 3.91 0.00	54.15 4.38 0.00	56.52 4.76 0.00	56.34 4.43 0.00	62.58 5.14 0.00	58.30 3.48 0.00	69.14 4.65 0.00	86.29 4.81 0.00	92.89 7.08 0.00	93.42 6.67 0.00	94.22 7.33 0.00	89.42 6.87 0.00	77.87 6.82 0.00	54.09 5.07 0.00
CHERRYST_13_KV_LD 356241	49.63 2.69 0.00	37.70 2.20 -1.82	37.42 2.08 0.00	35.22 1.95 0.00	33.61 1.87 0.00	33.96 1.81 0.00	34.36 1.89 0.00	38.56 1.82 -0.34	33.82 1.64 -0.02	46.03 1.85 -1.16	51.44 2.13 -0.69	54.31 2.14 -2.41	54.81 2.08 -0.96	55.71 2.13 -1.67	59.78 2.34 0.00	57.73 2.88 -0.02	68.34 3.69 -0.15	87.05 5.57 0.00	92.03 6.22 0.00	92.40 5.65 0.00	91.60 4.71 0.00	86.55 4.00 0.00	74.11 3.06 0.00	54.75 2.31 -3.41

CHESTROR_138KV_BK263 355645	48.73 1.79 0.00	36.68 1.44 -1.55	36.72 1.39 0.00	34.59 1.32 0.00	33.02 1.28 0.00	33.40 1.24 0.00	33.77 1.30 0.00	37.88 1.19 -0.29	33.19 1.01 -0.02	45.05 1.04 -0.99	50.43 1.22 -0.59	53.10 1.28 -2.05	53.86 1.28 -0.82	54.65 1.32 -1.42	58.90 1.46 0.00	56.70 1.86 -0.02	67.17 2.55 -0.13	85.49 4.02 0.00	90.45 4.64 0.00	90.96 4.22 0.00	90.28 3.39 0.00	85.34 2.79 0.00	73.11 2.06 0.00	53.45 1.52 -2.91
CH_MIDHUDSON___DRP 24192	48.97 2.03 0.00	36.65 1.65 -1.31	36.96 1.63 0.00	34.82 1.55 0.00	33.25 1.50 0.00	33.63 1.47 0.00	33.99 1.52 0.00	38.03 1.38 -0.25	33.35 1.17 -0.02	45.10 1.25 -0.84	50.59 1.47 -0.50	53.03 1.53 -1.73	53.98 1.52 -0.69	54.70 1.59 -1.20	59.21 1.77 0.00	57.06 2.23 -0.02	67.53 2.92 -0.11	86.11 4.63 0.00	91.12 5.31 0.00	91.58 4.83 0.00	90.78 3.88 0.00	85.78 3.23 0.00	73.45 2.40 0.00	53.22 1.74 -2.46
CH_MISC_IPPS 23765	49.39 2.45 0.00	37.05 1.93 -1.43	37.22 1.88 0.00	35.05 1.78 0.00	33.46 1.71 0.00	33.83 1.67 0.00	34.20 1.73 0.00	38.32 1.66 -0.27	33.62 1.44 -0.02	45.57 1.64 -0.91	51.09 1.92 -0.54	53.67 2.01 -1.89	54.58 2.05 -0.76	55.35 2.13 -1.31	59.82 2.38 0.00	57.67 2.83 -0.02	68.29 3.67 -0.12	86.93 5.45 0.00	92.11 6.30 0.00	92.57 5.82 0.00	91.75 4.86 0.00	86.68 4.13 0.00	74.18 3.13 0.00	53.94 2.22 -2.69
CH_RES_BVR_FALLS 23983	46.41 -0.54 0.00	33.17 -0.52 0.00	34.80 -0.54 0.00	32.76 -0.51 0.00	31.26 -0.49 0.00	31.71 -0.44 0.00	32.02 -0.45 0.00	36.00 -0.40 0.00	31.87 -0.30 0.00	42.85 -0.16 0.00	48.44 -0.18 0.00	49.48 -0.29 0.00	51.45 -0.32 0.00	51.49 -0.42 0.00	56.88 -0.56 0.00	54.35 -0.47 0.00	63.76 -0.73 0.00	80.66 -0.82 0.00	84.77 -1.03 0.00	85.94 -0.81 0.00	86.17 -0.73 0.00	81.75 -0.80 0.00	70.37 -0.68 0.00	48.58 -0.44 0.00
CH_RES_NIAGARA 23895	47.86 0.92 0.00	34.01 0.32 0.00	35.64 0.30 0.00	33.44 0.17 0.00	31.65 -0.09 0.00	31.73 -0.42 0.00	32.21 -0.26 0.00	36.73 0.33 0.00	33.22 1.05 0.00	44.82 1.81 0.00	50.76 2.14 0.00	52.43 2.67 0.00	54.66 2.89 0.00	54.32 2.41 0.00	60.13 2.69 0.00	56.25 1.43 0.00	66.27 1.77 0.00	81.74 0.26 0.00	88.29 2.48 0.00	88.75 2.01 0.00	89.34 2.45 0.00	84.76 2.21 0.00	74.16 3.11 0.00	51.86 2.84 0.00
CH_RES_SYRACUSE 23985	47.37 0.21 -0.23	33.74 0.06 0.00	35.38 0.04 0.00	33.29 0.02 0.00	31.74 0.00 0.00	32.10 -0.05 0.00	32.44 -0.03 0.00	36.42 0.03 0.00	32.22 0.06 0.00	43.03 0.01 0.00	48.67 0.05 0.00	50.00 0.23 0.00	52.25 0.49 0.00	52.38 0.47 0.00	58.15 0.63 -0.08	55.45 0.61 -0.02	65.47 0.89 -0.08	85.37 1.16 -2.73	89.99 1.53 -2.65	88.21 1.31 -0.15	88.86 1.05 -0.92	84.87 0.82 -1.50	72.84 0.59 -1.20	49.44 0.41 0.00
CLINTON_WT_PWR 323605	46.16 -0.78 0.00	32.85 -0.84 0.00	34.28 -1.05 0.00	32.21 -1.06 0.00	30.65 -1.10 0.00	31.19 -0.96 0.00	31.55 -0.92 0.00	35.67 -0.73 0.00	31.72 -0.44 0.00	42.89 -0.13 0.00	48.35 -0.27 0.00	49.40 -0.36 0.00	51.20 -0.56 0.00	51.27 -0.64 0.00	56.35 -1.09 0.00	53.25 -1.57 0.00	62.79 -1.71 0.00	79.11 -2.37 0.00	82.80 -3.01 0.00	84.48 -2.27 0.00	85.24 -1.66 0.00	81.16 -1.39 0.00	69.78 -1.27 0.00	48.00 -1.03 0.00
CLINTON___LFGE 323618	46.55 -0.39 0.00	33.09 -0.60 0.00	34.51 -0.82 0.00	32.42 -0.85 0.00	30.83 -0.92 0.00	31.38 -0.77 0.00	31.72 -0.75 0.00	35.88 -0.52 0.00	31.93 -0.23 0.00	43.20 0.18 0.00	48.51 -0.11 0.00	49.65 -0.11 0.00	51.41 -0.36 0.00	51.44 -0.47 0.00	56.57 -0.87 0.00	53.54 -1.28 0.00	63.34 -1.15 0.00	79.86 -1.62 0.00	83.47 -2.34 0.00	85.18 -1.56 0.00	85.90 -0.99 0.00	81.79 -0.76 0.00	70.24 -0.81 0.00	48.30 -0.72 0.00
COBBLENY_34_KV_TB1 80064	49.20 2.26 0.00	34.94 1.25 0.00	36.60 1.27 0.00	34.33 1.06 0.00	32.52 0.78 0.00	32.65 0.49 0.00	33.14 0.67 0.00	37.73 1.33 0.00	34.09 1.92 0.00	46.08 3.06 0.00	52.16 3.55 0.00	53.86 4.09 0.00	56.25 4.48 0.00	56.02 4.11 0.00	62.15 4.71 0.00	58.26 3.44 0.00	68.87 4.37 0.00	85.35 3.87 0.00	92.25 6.44 0.00	92.66 5.91 0.00	93.06 6.17 0.00	88.24 5.69 0.00	76.86 5.81 0.00	53.45 4.43 0.00
COFFEEN___115KV_TB3 355620	50.08 2.91 -0.23	35.29 1.60 0.00	36.66 1.32 0.00	34.63 1.36 0.00	33.16 1.42 0.00	33.73 1.58 0.00	33.91 1.44 0.00	37.99 1.59 0.00	33.51 1.34 0.00	44.88 1.87 0.00	50.75 2.13 0.00	51.99 2.22 0.00	55.49 3.72 0.00	53.83 1.92 0.00	59.30 1.78 -0.09	57.59 2.75 -0.02	66.74 2.15 -0.09	89.39 5.08 -2.83	95.28 6.72 -2.75	95.18 8.27 -0.16	97.61 9.77 -0.95	91.77 7.66 -1.56	77.74 5.46 -1.24	52.74 3.72 0.00
COLDSPRG_115KV_BK1 355956	49.80 2.86 0.00	35.41 1.72 0.00	37.18 1.84 0.00	34.88 1.61 0.00	33.01 1.27 0.00	33.23 1.08 0.00	33.71 1.25 0.00	38.31 1.91 0.00	34.75 2.59 0.00	46.99 3.97 0.00	53.09 4.48 0.00	54.64 4.88 0.00	56.98 5.21 0.00	56.99 5.08 0.00	63.32 5.88 0.00	59.33 4.52 0.00	70.44 5.94 0.00	87.82 6.34 0.00	94.94 9.13 0.00	95.23 8.48 0.00	95.51 8.61 0.00	90.54 7.99 0.00	78.76 7.71 0.00	54.62 5.59 0.00
COLONIE_LFGE___ 323577	48.05 1.11 0.00	32.63 1.07 2.13	36.55 1.22 0.00	34.44 1.17 0.00	32.93 1.19 0.00	33.32 1.16 0.00	33.64 1.17 0.00	36.96 0.97 0.40	32.85 0.72 0.03	42.02 0.37 1.36	48.10 0.29 0.81	47.18 0.23 2.82	50.68 0.05 1.13	50.14 0.18 1.95	57.75 0.31 0.00	55.40 0.60 0.03	65.25 0.93 0.17	83.64 2.16 0.00	88.92 3.11 0.00	89.67 2.92 0.00	89.02 2.12 0.00	84.41 1.86 0.00	72.34 1.29 0.00	45.93 0.91 4.00
COOPERNY_115KV_TB1 80082	48.30 1.36 0.00	35.84 1.09 -1.07	36.41 1.08 0.00	34.29 1.02 0.00	32.74 0.99 0.00	33.12 0.96 0.00	33.47 1.00 0.00	37.51 0.92 -0.20	32.93 0.75 -0.01	44.46 0.76 -0.68	49.94 0.92 -0.41	52.18 0.99 -1.41	53.31 0.98 -0.57	53.91 1.02 -0.98	58.54 1.10 0.00	56.28 1.44 -0.01	66.53 1.94 -0.09	84.52 3.04 0.00	89.37 3.56 0.00	89.97 3.22 0.00	89.45 2.56 0.00	84.64 2.09 0.00	72.63 1.58 0.00	52.21 1.18 -2.01
COPENHAGEN_WT_PWR 323753	48.87 1.68 -0.25	34.41 0.73 0.00	35.71 0.37 0.00	33.77 0.50 0.00	32.38 0.64 0.00	32.97 0.81 0.00	33.12 0.65 0.00	37.20 0.81 0.00	32.91 0.74 0.00	44.14 1.12 0.00	50.02 1.40 0.00	51.25 1.48 0.00	54.46 2.70 0.00	52.88 0.97 0.00	58.31 0.78 -0.09	56.82 1.98 -0.02	65.51 0.92 -0.09	88.10 3.64 -2.98	93.48 4.78 -2.89	93.56 6.65 -0.17	95.62 7.73 -1.00	89.51 5.32 -1.64	75.77 3.42 -1.31	51.52 2.50 0.00
CORNELL_____ 23752	48.56 1.62 0.00	34.77 1.08 0.00	36.48 1.14 0.00	34.29 1.02 0.00	32.72 0.97 0.00	33.09 0.93 0.00	33.45 0.98 0.00	37.53 1.14 0.00	33.14 0.98 0.00	44.18 1.17 0.00	49.86 1.24 0.00	50.99 1.22 0.00	53.29 1.52 0.00	53.54 1.63 0.00	59.63 2.20 0.00	56.82 2.00 0.00	67.34 2.84 0.00	85.24 3.77 0.00	90.85 5.04 0.00	91.33 4.58 0.00	91.16 4.26 0.00	86.41 3.86 0.00	74.26 3.21 0.00	51.09 2.06 0.00

CORONA__69_KV_TB1 355595	49.83 2.88 0.00	37.80 2.30 -1.82	37.50 2.16 0.00	35.25 1.99 0.00	33.62 1.88 0.00	33.95 1.79 0.00	34.33 1.86 0.00	38.40 1.66 -0.34	33.56 1.37 -0.02	45.72 1.55 -1.16	51.78 2.47 -0.69	54.40 2.22 -2.41	55.02 2.28 -0.96	55.96 2.39 -1.67	59.75 2.31 0.00	57.92 3.08 -0.02	68.48 3.65 -0.33	89.82 5.90 -2.44	93.25 5.97 -1.47	92.25 5.50 0.00	91.57 4.67 0.00	86.65 4.10 0.00	73.83 2.78 0.00	54.64 2.20 -3.41
CORTLAND__115KV_TB3 80093	47.93 0.98 0.00	34.34 0.65 0.00	36.02 0.69 0.00	33.89 0.62 0.00	32.35 0.60 0.00	32.72 0.56 0.00	33.07 0.60 0.00	37.10 0.70 0.00	32.76 0.59 0.00	43.78 0.77 0.00	49.38 0.76 0.00	50.59 0.82 0.00	52.86 1.09 0.00	52.99 1.08 0.00	58.82 1.38 0.00	56.31 1.50 0.00	66.32 1.83 0.00	84.15 2.68 0.00	89.43 3.62 0.00	90.10 3.36 0.00	89.83 2.93 0.00	85.09 2.54 0.00	73.18 2.13 0.00	50.40 1.38 0.00
COXSACKIE__GT 23611	48.80 1.86 0.00	34.53 1.44 0.60	36.98 1.64 0.00	34.86 1.59 0.00	33.36 1.61 0.00	33.75 1.59 0.00	34.07 1.60 0.00	37.92 1.63 0.11	33.43 1.27 0.01	43.85 1.22 0.38	49.51 1.12 0.23	49.92 0.94 0.79	52.10 0.66 0.32	51.90 0.54 0.55	58.27 0.83 0.00	55.94 1.12 0.01	66.43 1.98 0.05	84.81 3.33 0.00	90.85 5.05 0.00	92.31 5.56 0.00	91.83 4.94 0.00	86.82 4.27 0.00	74.34 3.29 0.00	50.07 2.17 1.12
CPV_VALLEY__CC1 323721	48.31 1.37 0.00	36.22 1.16 -1.38	36.45 1.11 0.00	34.33 1.06 0.00	32.78 1.03 0.00	33.16 1.00 0.00	33.53 1.06 0.00	37.57 0.92 -0.26	32.94 0.76 -0.02	44.61 0.71 -0.88	49.99 0.84 -0.52	52.48 0.88 -1.83	53.36 0.86 -0.73	54.07 0.89 -1.27	58.43 0.99 0.00	56.24 1.40 -0.02	66.56 1.95 -0.11	84.59 3.11 0.00	89.55 3.74 0.00	90.07 3.33 0.00	89.41 2.52 0.00	84.56 2.01 0.00	72.49 1.44 0.00	52.71 1.10 -2.59
CPV_VALLEY__CC2 323722	48.31 1.37 0.00	36.22 1.16 -1.38	36.45 1.11 0.00	34.33 1.06 0.00	32.78 1.03 0.00	33.16 1.00 0.00	33.53 1.06 0.00	37.57 0.92 -0.26	32.94 0.76 -0.02	44.61 0.71 -0.88	49.99 0.84 -0.52	52.48 0.88 -1.83	53.36 0.86 -0.73	54.07 0.89 -1.27	58.43 0.99 0.00	56.24 1.40 -0.02	66.56 1.95 -0.11	84.59 3.11 0.00	89.55 3.74 0.00	90.07 3.33 0.00	89.41 2.52 0.00	84.56 2.01 0.00	72.49 1.44 0.00	52.71 1.10 -2.59
CRESCENT__HYD 24018	48.05 1.11 0.00	32.63 1.07 2.13	36.55 1.22 0.00	34.44 1.17 0.00	32.93 1.19 0.00	33.32 1.16 0.00	33.64 1.17 0.00	36.96 0.97 0.40	32.85 0.72 0.03	42.02 0.37 1.36	48.10 0.29 0.81	47.18 0.23 2.82	50.68 0.05 1.13	50.14 0.18 1.95	57.75 0.31 0.00	55.40 0.60 0.03	65.25 0.93 0.17	83.64 2.16 0.00	88.92 3.11 0.00	89.67 2.92 0.00	89.02 2.12 0.00	84.41 1.86 0.00	72.34 1.29 0.00	45.93 0.91 4.00
CRICKET__VALLEY_CC1 323756	48.03 1.08 0.00	11.55 1.03 23.16	36.35 1.01 0.00	34.25 0.99 0.00	32.74 1.00 0.00	33.13 0.98 0.00	33.49 1.02 0.00	32.77 0.73 4.35	32.46 0.57 0.28	28.56 0.35 14.81	40.24 0.45 8.82	19.53 0.43 30.66	39.82 0.35 12.30	31.06 0.39 21.24	57.88 0.44 0.00	55.44 0.93 0.31	63.95 1.35 1.89	84.20 2.72 0.00	89.20 3.39 0.00	89.71 2.96 0.00	88.81 1.91 0.00	83.99 1.44 0.00	71.89 0.84 0.00	6.20 0.69 43.51
CRICKET__VALLEY_CC2 323757	48.03 1.08 0.00	11.55 1.03 23.16	36.35 1.01 0.00	34.25 0.99 0.00	32.74 1.00 0.00	33.13 0.98 0.00	33.49 1.02 0.00	32.77 0.73 4.35	32.46 0.57 0.28	28.56 0.35 14.81	40.24 0.45 8.82	19.53 0.43 30.66	39.82 0.35 12.30	31.06 0.39 21.24	57.88 0.44 0.00	55.44 0.93 0.31	63.95 1.35 1.89	84.20 2.72 0.00	89.20 3.39 0.00	89.71 2.96 0.00	88.81 1.91 0.00	83.99 1.44 0.00	71.89 0.84 0.00	6.20 0.69 43.51
CRICKET__VALLEY_CC3 323758	48.03 1.08 0.00	11.55 1.03 23.16	36.35 1.01 0.00	34.25 0.99 0.00	32.74 1.00 0.00	33.13 0.98 0.00	33.49 1.02 0.00	32.77 0.73 4.35	32.46 0.57 0.28	28.56 0.35 14.81	40.24 0.45 8.82	19.53 0.43 30.66	39.82 0.35 12.30	31.06 0.39 21.24	57.88 0.44 0.00	55.44 0.93 0.31	63.95 1.35 1.89	84.20 2.72 0.00	89.20 3.39 0.00	89.71 2.96 0.00	88.81 1.91 0.00	83.99 1.44 0.00	71.89 0.84 0.00	6.20 0.69 43.51
CRUCIBLE__METL_DRP 24180	47.37 0.21 -0.23	33.74 0.06 0.00	35.38 0.04 0.00	33.29 0.02 0.00	31.74 0.00 0.00	32.10 -0.05 0.00	32.44 -0.03 0.00	36.42 0.03 0.00	32.22 0.06 0.00	43.03 0.02 0.00	48.66 0.05 0.00	50.00 0.23 0.00	52.25 0.48 0.00	52.38 0.47 0.00	58.15 0.63 -0.08	55.45 0.61 -0.02	65.47 0.89 -0.08	85.30 1.08 -2.73	89.98 1.52 -2.65	88.21 1.31 -0.15	88.86 1.05 -0.92	84.87 0.82 -1.50	72.84 0.59 -1.20	49.44 0.41 0.00
DAHOWA__HYDRO 323763	49.29 2.34 0.00	33.83 1.88 1.73	37.45 2.11 0.00	35.23 1.96 0.00	33.63 1.89 0.00	34.02 1.86 0.00	34.38 1.91 0.00	37.87 1.80 0.33	33.59 1.44 0.02	43.24 1.33 1.11	49.11 1.16 0.66	48.57 1.10 2.30	51.70 0.85 0.92	51.36 1.04 1.59	58.82 1.38 0.00	56.50 1.71 0.02	66.76 2.41 0.14	85.91 4.43 0.00	91.88 6.07 0.00	92.71 5.96 0.00	92.15 5.26 0.00	87.30 4.75 0.00	74.61 3.56 0.00	48.13 2.37 3.26
DANC__LFGE 323619	48.29 1.04 -0.32	34.10 0.42 0.00	35.53 0.19 0.00	33.54 0.27 0.00	32.08 0.34 0.00	32.58 0.43 0.00	32.81 0.34 0.00	36.83 0.43 0.00	32.58 0.42 0.00	43.62 0.60 0.00	49.39 0.77 0.00	50.63 0.86 0.00	53.44 1.67 0.00	52.47 0.56 0.00	57.99 0.43 -0.12	56.06 1.21 -0.03	65.19 0.58 -0.12	87.59 2.32 -3.80	92.60 3.10 -3.69	91.11 4.15 -0.21	92.96 4.79 -1.28	87.95 3.31 -2.09	74.84 2.13 -1.66	50.58 1.56 0.00
DANSKAMMER__1 23586	49.39 2.45 0.00	37.05 1.93 -1.43	37.22 1.88 0.00	35.05 1.78 0.00	33.46 1.71 0.00	33.83 1.67 0.00	34.20 1.73 0.00	38.32 1.66 -0.27	33.62 1.44 -0.02	45.57 1.64 -0.91	51.09 1.92 -0.54	53.67 2.01 -1.89	54.58 2.05 -0.76	55.35 2.13 -1.31	59.82 2.38 0.00	57.67 2.83 -0.02	68.29 3.67 -0.12	86.93 5.45 0.00	92.11 6.30 0.00	92.57 5.82 0.00	91.75 4.86 0.00	86.68 4.13 0.00	74.18 3.13 0.00	53.94 2.22 -2.69
DANSKAMMER__2 23589	49.39 2.45 0.00	37.05 1.93 -1.43	37.22 1.88 0.00	35.05 1.78 0.00	33.46 1.71 0.00	33.83 1.67 0.00	34.20 1.73 0.00	38.32 1.66 -0.27	33.62 1.44 -0.02	45.57 1.64 -0.91	51.09 1.92 -0.54	53.67 2.01 -1.89	54.58 2.05 -0.76	55.35 2.13 -1.31	59.82 2.38 0.00	57.67 2.83 -0.02	68.29 3.67 -0.12	86.93 5.45 0.00	92.11 6.30 0.00	92.57 5.82 0.00	91.75 4.86 0.00	86.68 4.13 0.00	74.18 3.13 0.00	53.94 2.22 -2.69
DANSKAMMER__3 23590	49.39 2.45 0.00	37.05 1.93 -1.43	37.22 1.88 0.00	35.05 1.78 0.00	33.46 1.71 0.00	33.83 1.67 0.00	34.20 1.73 0.00	38.32 1.66 -0.27	33.62 1.44 -0.02	45.57 1.64 -0.91	51.09 1.92 -0.54	53.67 2.01 -1.89	54.58 2.05 -0.76	55.35 2.13 -1.31	59.82 2.38 0.00	57.67 2.83 -0.02	68.29 3.67 -0.12	86.93 5.45 0.00	92.11 6.30 0.00	92.57 5.82 0.00	91.75 4.86 0.00	86.68 4.13 0.00	74.18 3.13 0.00	53.94 2.22 -2.69

DANSKAMMER___4 23591	49.39 2.45 0.00	37.05 1.93 -1.43	37.22 1.88 0.00	35.05 1.78 0.00	33.46 1.71 0.00	33.83 1.67 0.00	34.20 1.73 0.00	38.32 1.66 -0.27	33.62 1.44 -0.02	45.57 1.64 -0.91	51.09 1.92 -0.54	53.67 2.01 -1.89	54.58 2.05 -0.76	55.35 2.13 -1.31	59.82 2.38 0.00	57.67 2.83 -0.02	68.29 3.67 -0.12	86.93 5.45 0.00	92.11 6.30 0.00	92.57 5.82 0.00	91.75 4.86 0.00	86.68 4.13 0.00	74.18 3.13 0.00	53.94 2.22 -2.69
DANSKAMMER___DIESEL 23592	49.39 2.45 0.00	37.05 1.93 -1.43	37.22 1.88 0.00	35.05 1.78 0.00	33.46 1.71 0.00	33.83 1.67 0.00	34.20 1.73 0.00	38.32 1.66 -0.27	33.62 1.44 -0.02	45.56 1.63 -0.91	51.08 1.92 -0.54	53.67 2.01 -1.89	54.58 2.06 -0.76	55.35 2.13 -1.31	59.82 2.38 0.00	57.66 2.83 -0.02	68.29 3.68 -0.12	87.04 5.56 0.00	92.11 6.30 0.00	92.57 5.82 0.00	91.75 4.86 0.00	86.68 4.13 0.00	74.19 3.14 0.00	53.93 2.22 -2.69
DARBY___SOLAR 323810	49.02 2.08 0.00	33.58 1.70 1.80	37.24 1.90 0.00	35.04 1.77 0.00	33.46 1.72 0.00	33.85 1.70 0.00	34.21 1.74 0.00	37.67 1.61 0.34	33.41 1.27 0.02	42.97 1.10 1.15	48.89 0.95 0.69	48.25 0.87 2.39	51.45 0.64 0.96	51.08 0.83 1.65	58.55 1.11 0.00	56.21 1.42 0.02	66.42 2.07 0.15	85.37 3.89 0.00	91.21 5.40 0.00	92.03 5.28 0.00	91.47 4.57 0.00	86.68 4.13 0.00	74.14 3.09 0.00	47.70 2.07 3.39
DASHVILLE___HYD 23610	48.99 2.05 0.00	36.20 1.64 -0.87	36.96 1.62 0.00	34.82 1.55 0.00	33.24 1.49 0.00	33.60 1.45 0.00	33.99 1.52 0.00	38.01 1.45 -0.16	33.35 1.18 -0.01	44.99 1.42 -0.55	50.54 1.59 -0.33	52.68 1.76 -1.15	53.98 1.76 -0.46	54.44 1.73 -0.80	59.32 1.88 0.00	57.12 2.28 -0.01	67.62 3.06 -0.07	86.13 4.65 0.00	91.04 5.23 0.00	91.53 4.78 0.00	90.79 3.90 0.00	85.76 3.21 0.00	73.47 2.42 0.00	52.52 1.86 -1.63
DELAWARE___LFGE 323621	48.30 1.36 0.00	34.69 1.01 0.00	36.52 1.19 0.00	34.43 1.16 0.00	32.87 1.12 0.00	33.26 1.10 0.00	33.63 1.16 0.00	37.60 1.20 0.00	33.05 0.88 0.00	44.13 1.12 0.00	49.98 1.36 0.00	51.20 1.43 0.00	53.24 1.47 0.00	53.37 1.46 0.00	59.04 1.61 0.00	56.59 1.77 0.00	66.66 2.17 0.00	84.59 3.11 0.00	89.49 3.68 0.00	90.23 3.48 0.00	89.91 3.02 0.00	85.15 2.60 0.00	73.20 2.15 0.00	50.57 1.55 0.00
DERFIELD_115KV_TB7 355931	47.06 0.12 0.00	33.82 0.13 0.00	35.51 0.17 0.00	33.45 0.18 0.00	31.94 0.19 0.00	32.35 0.19 0.00	32.66 0.13 0.00	36.53 0.13 0.00	32.22 0.05 0.00	43.00 -0.02 0.00	48.60 -0.03 0.00	49.75 -0.02 0.00	51.71 -0.05 0.00	51.87 -0.04 0.00	57.42 -0.02 0.00	54.94 0.12 0.00	64.69 0.20 0.00	81.99 0.51 0.00	86.59 0.79 0.00	87.44 0.69 0.00	87.33 0.43 0.00	82.81 0.25 0.00	71.22 0.17 0.00	49.18 0.15 0.00
DOGLEVILLE___HYD 23807	47.45 0.51 0.00	34.39 0.71 0.00	36.22 0.88 0.00	34.17 0.90 0.00	32.78 1.03 0.00	33.12 0.96 0.00	33.40 0.93 0.00	36.93 0.54 0.00	32.01 -0.15 0.00	41.95 -1.07 0.00	47.27 -1.35 0.00	48.58 -1.19 0.00	50.22 -1.54 0.00	50.47 -1.44 0.00	56.04 -1.40 0.00	54.18 -0.64 0.00	64.10 -0.40 0.00	82.60 1.12 0.00	88.86 3.05 0.00	90.19 3.44 0.00	89.54 2.65 0.00	84.69 2.14 0.00	72.33 1.28 0.00	49.63 0.60 0.00
DUNKIRK__115KV_TB_200 55889	49.12 2.18 0.00	34.91 1.22 0.00	36.74 1.40 0.00	34.43 1.16 0.00	32.55 0.80 0.00	32.73 0.57 0.00	33.19 0.72 0.00	37.78 1.38 0.00	34.31 2.15 0.00	46.43 3.41 0.00	52.47 3.85 0.00	54.07 4.31 0.00	56.45 4.68 0.00	56.27 4.36 0.00	62.48 5.04 0.00	58.27 3.45 0.00	69.05 4.55 0.00	85.72 4.25 0.00	92.70 6.89 0.00	93.27 6.52 0.00	94.02 7.12 0.00	89.19 6.64 0.00	77.72 6.67 0.00	53.99 4.96 0.00
DUNKIRK___1 23563	49.12 2.18 0.00	34.91 1.22 0.00	36.74 1.40 0.00	34.43 1.16 0.00	32.55 0.80 0.00	32.73 0.57 0.00	33.19 0.72 0.00	37.78 1.38 0.00	34.31 2.15 0.00	46.43 3.41 0.00	52.47 3.85 0.00	54.07 4.31 0.00	56.45 4.68 0.00	56.27 4.36 0.00	62.48 5.04 0.00	58.27 3.45 0.00	69.05 4.55 0.00	85.72 4.25 0.00	92.70 6.89 0.00	93.27 6.52 0.00	94.02 7.12 0.00	89.19 6.64 0.00	77.72 6.67 0.00	53.99 4.96 0.00
DUNKIRK___2 23564	49.12 2.18 0.00	34.91 1.22 0.00	36.74 1.40 0.00	34.43 1.16 0.00	32.55 0.80 0.00	32.73 0.57 0.00	33.19 0.72 0.00	37.78 1.38 0.00	34.31 2.15 0.00	46.43 3.41 0.00	52.47 3.85 0.00	54.07 4.31 0.00	56.45 4.68 0.00	56.27 4.36 0.00	62.48 5.04 0.00	58.27 3.45 0.00	69.05 4.55 0.00	85.72 4.25 0.00	92.70 6.89 0.00	93.27 6.52 0.00	94.02 7.12 0.00	89.19 6.64 0.00	77.72 6.67 0.00	53.99 4.96 0.00
DUNKIRK___3 23565	49.02 2.08 0.00	34.83 1.14 0.00	36.61 1.27 0.00	34.32 1.05 0.00	32.46 0.71 0.00	32.61 0.45 0.00	33.09 0.62 0.00	37.66 1.26 0.00	34.16 2.00 0.00	46.20 3.18 0.00	52.22 3.60 0.00	53.86 4.09 0.00	56.22 4.45 0.00	56.01 4.10 0.00	62.16 4.73 0.00	58.06 3.24 0.00	68.75 4.25 0.00	85.31 3.83 0.00	92.21 6.41 0.00	92.74 5.99 0.00	93.37 6.47 0.00	88.58 6.03 0.00	77.19 6.14 0.00	53.66 4.64 0.00
DUNKIRK___4 23566	49.02 2.08 0.00	34.83 1.14 0.00	36.61 1.27 0.00	34.32 1.05 0.00	32.46 0.71 0.00	32.61 0.45 0.00	33.09 0.62 0.00	37.66 1.26 0.00	34.16 2.00 0.00	46.20 3.18 0.00	52.22 3.60 0.00	53.86 4.09 0.00	56.22 4.45 0.00	56.01 4.10 0.00	62.16 4.73 0.00	58.06 3.24 0.00	68.75 4.25 0.00	85.31 3.83 0.00	92.21 6.41 0.00	92.74 5.99 0.00	93.37 6.47 0.00	88.58 6.03 0.00	77.19 6.14 0.00	53.66 4.64 0.00
DUNWOODS_138_KV_38W08_REV_LBMP_I 345000	49.27 2.32 0.00	37.41 1.91 -1.82	37.15 1.81 0.00	34.97 1.70 0.00	33.39 1.64 0.00	33.75 1.59 0.00	34.12 1.66 0.00	38.28 1.54 -0.34	33.53 1.34 -0.02	45.64 1.46 -1.16	51.05 1.73 -0.69	53.93 1.75 -2.41	54.43 1.70 -0.96	55.33 1.75 -1.67	59.33 1.89 0.00	57.27 2.43 -0.02	67.79 3.15 -0.15	86.39 4.91 0.00	91.33 5.52 0.00	91.73 4.98 0.00	90.96 4.07 0.00	85.96 3.41 0.00	73.61 2.56 0.00	54.36 1.93 -3.41
E.WALDEN_115_KV_TR_1_REV_LBMP_G 345009	49.06 2.12 0.00	36.79 1.68 -1.43	36.96 1.63 0.00	34.80 1.53 0.00	33.22 1.48 0.00	33.60 1.45 0.00	33.98 1.51 0.00	38.07 1.41 -0.27	33.40 1.22 -0.02	45.27 1.33 -0.91	50.73 1.56 -0.54	53.30 1.64 -1.89	54.19 1.66 -0.76	54.93 1.71 -1.31	59.34 1.90 0.00	57.16 2.32 -0.02	67.72 3.11 -0.12	86.28 4.80 0.00	91.27 5.47 0.00	91.74 4.99 0.00	91.01 4.12 0.00	86.00 3.45 0.00	73.64 2.59 0.00	53.58 1.87 -2.69
E179THST_138_KV_TB4_REV_LBMP_J 345001	49.54 2.60 0.00	37.62 2.12 -1.82	37.32 1.98 0.00	35.14 1.87 0.00	33.54 1.79 0.00	33.87 1.71 0.00	34.27 1.80 0.00	38.44 1.70 -0.34	33.70 1.52 -0.02	45.79 1.61 -1.16	51.16 1.85 -0.69	54.03 1.85 -2.41	54.53 1.80 -0.96	55.42 1.85 -1.67	59.44 2.00 0.00	57.41 2.56 -0.02	67.97 3.33 -0.15	86.62 5.14 0.00	91.52 5.72 0.00	91.91 5.17 0.00	91.11 4.22 0.00	86.10 3.54 0.00	73.72 2.67 0.00	54.51 2.07 -3.41

E179THST_13_KV_LOAD 356214	49.86 2.92 0.00	37.84 2.34 -1.82	37.53 2.20 0.00	35.34 2.07 0.00	33.72 1.98 0.00	34.05 1.90 0.00	34.45 1.98 0.00	38.65 1.91 -0.34	33.90 1.71 -0.02	46.06 1.88 -1.16	51.48 2.17 -0.69	54.37 2.20 -2.41	54.90 2.17 -0.96	55.79 2.21 -1.67	59.85 2.41 0.00	57.79 2.95 -0.02	68.44 3.80 -0.15	87.20 5.72 0.00	92.17 6.37 0.00	92.56 5.81 0.00	91.75 4.86 0.00	86.69 4.14 0.00	74.21 3.17 0.00	54.86 2.43 -3.41
EAST HAMPTON___GT 23717	51.30 4.36 0.00	38.86 3.36 -1.82	38.54 3.21 0.00	36.13 2.86 0.00	34.46 2.72 0.00	34.74 2.59 0.00	35.08 2.61 0.00	39.02 2.28 -0.34	34.34 2.15 -0.02	46.83 2.66 -1.16	53.72 4.41 -0.69	56.44 4.27 -2.41	57.06 4.33 -0.96	57.85 4.27 -1.67	61.86 4.43 0.01	60.39 5.55 -0.02	69.78 6.45 1.16	87.20 9.51 3.79	91.37 9.57 4.01	92.88 8.81 2.68	94.35 7.46 0.00	89.32 6.77 0.00	75.80 5.29 0.53	55.62 3.75 -2.84
EAST RIVER___6 23660	49.45 2.51 0.00	37.57 2.07 -1.82	37.28 1.94 0.00	35.09 1.82 0.00	33.49 1.74 0.00	33.84 1.68 0.00	34.23 1.76 0.00	38.41 1.67 -0.34	33.69 1.50 -0.02	45.85 1.68 -1.16	51.24 1.93 -0.69	54.09 1.92 -2.41	54.58 1.85 -0.96	55.46 1.88 -1.67	59.50 2.06 0.00	57.47 2.62 -0.02	68.02 3.38 -0.15	86.50 5.03 0.00	91.54 5.74 0.00	91.93 5.18 0.00	91.13 4.24 0.00	86.12 3.57 0.00	73.74 2.69 0.00	54.52 2.09 -3.41
EAST RIVER___7 23524	49.45 2.51 0.00	37.57 2.07 -1.82	37.28 1.94 0.00	35.09 1.82 0.00	33.49 1.74 0.00	33.84 1.68 0.00	34.23 1.76 0.00	38.41 1.67 -0.34	33.69 1.50 -0.02	45.85 1.68 -1.16	51.24 1.93 -0.69	54.09 1.92 -2.41	54.58 1.85 -0.96	55.46 1.88 -1.67	59.50 2.06 0.00	57.47 2.62 -0.02	68.02 3.38 -0.15	86.50 5.03 0.00	91.54 5.74 0.00	91.93 5.18 0.00	91.13 4.24 0.00	86.12 3.57 0.00	73.74 2.69 0.00	54.52 2.09 -3.41
EASTVIEW_138_KV_38W32_REV_LBMP_I 345002	49.16 2.22 0.00	37.32 1.82 -1.81	37.07 1.73 0.00	34.89 1.62 0.00	33.31 1.57 0.00	33.68 1.52 0.00	34.06 1.58 0.00	38.20 1.46 -0.34	33.45 1.27 -0.02	45.54 1.36 -1.16	50.94 1.63 -0.69	53.83 1.66 -2.40	54.33 1.60 -0.96	55.24 1.67 -1.66	59.24 1.80 0.00	57.17 2.32 -0.02	67.68 3.04 -0.15	86.24 4.76 0.00	91.19 5.38 0.00	91.61 4.86 0.00	90.82 3.93 0.00	85.83 3.28 0.00	73.48 2.43 0.00	54.26 1.84 -3.40
EAST_HAMPTON___DIESEL 23722	51.30 4.36 0.00	38.86 3.36 -1.82	38.54 3.21 0.00	36.12 2.85 0.00	34.45 2.71 0.00	34.74 2.59 0.00	35.07 2.61 0.00	39.01 2.27 -0.34	34.33 2.15 -0.02	46.82 2.65 -1.16	53.71 4.40 -0.69	56.44 4.27 -2.41	57.08 4.35 -0.96	57.88 4.31 -1.67	61.89 4.46 0.01	60.43 5.58 -0.02	69.83 6.50 1.16	87.26 9.56 3.79	91.39 9.59 4.01	92.88 8.82 2.68	94.35 7.46 0.00	89.34 6.78 0.00	75.80 5.29 0.53	55.62 3.76 -2.84
EAST_POINT___SOLAR 323840	50.86 3.92 0.00	35.20 2.55 1.03	37.99 2.66 0.00	35.73 2.46 0.00	33.97 2.23 0.00	34.38 2.23 0.00	34.64 2.17 0.00	37.98 1.77 0.19	33.38 1.23 0.01	43.95 1.59 0.66	50.11 1.88 0.39	50.96 2.55 1.36	53.55 2.33 0.55	52.68 1.71 0.94	59.22 1.78 0.00	57.34 2.54 0.01	67.04 2.63 0.08	85.61 4.13 0.00	92.12 6.31 0.00	95.41 8.66 0.00	95.98 9.08 0.00	90.80 8.25 0.00	77.91 6.86 0.00	51.67 4.57 1.93
EAST_PULASKI___ESR 323781	47.83 0.41 -0.48	33.81 0.12 0.00	35.37 0.03 0.00	33.31 0.04 0.00	31.80 0.05 0.00	32.22 0.06 0.00	32.51 0.04 0.00	36.46 0.07 0.00	32.27 0.10 0.00	43.12 0.10 0.00	48.82 0.20 0.00	50.06 0.29 0.00	52.40 0.63 0.00	51.99 0.08 0.00	57.65 0.04 -0.17	55.29 0.43 -0.04	64.90 0.22 -0.18	88.18 1.00 -5.71	92.74 1.39 -5.54	88.74 1.68 -0.32	90.69 1.88 -1.91	86.94 1.26 -3.14	74.33 0.78 -2.50	49.59 0.57 0.00
EAST_RIVER___1 323558	49.48 2.54 0.00	37.59 2.09 -1.82	37.30 1.96 0.00	35.10 1.83 0.00	33.51 1.76 0.00	33.86 1.71 0.00	34.25 1.78 0.00	38.43 1.70 -0.34	33.71 1.52 -0.02	45.86 1.69 -1.16	51.25 1.94 -0.69	54.10 1.93 -2.41	54.60 1.87 -0.96	55.49 1.91 -1.67	59.52 2.08 0.00	57.51 2.66 -0.02	68.06 3.41 -0.15	86.58 5.10 0.00	91.64 5.83 0.00	92.04 5.29 0.00	91.23 4.34 0.00	86.20 3.65 0.00	73.82 2.77 0.00	54.56 2.12 -3.41
EAST_RIVER___2 323559	49.45 2.51 0.00	37.57 2.07 -1.82	37.28 1.94 0.00	35.09 1.82 0.00	33.49 1.74 0.00	33.84 1.68 0.00	34.23 1.76 0.00	38.41 1.67 -0.34	33.69 1.50 -0.02	45.85 1.68 -1.16	51.24 1.93 -0.69	54.09 1.92 -2.41	54.58 1.85 -0.96	55.46 1.88 -1.67	59.50 2.06 0.00	57.47 2.62 -0.02	68.02 3.38 -0.15	86.50 5.03 0.00	91.54 5.74 0.00	91.93 5.18 0.00	91.13 4.24 0.00	86.12 3.57 0.00	73.74 2.69 0.00	54.52 2.09 -3.41
EAST___DELAWARE_HYD 23607	47.84 0.90 0.00	35.56 0.73 -1.14	35.95 0.61 0.00	33.83 0.56 0.00	32.28 0.53 0.00	32.64 0.48 0.00	32.99 0.52 0.00	36.97 0.35 -0.21	32.45 0.27 -0.01	43.87 0.12 -0.73	49.24 0.19 -0.43	51.66 0.37 -1.51	52.71 0.34 -0.61	53.29 0.33 -1.05	57.84 0.41 0.00	55.61 0.77 -0.02	66.02 1.43 -0.09	83.97 2.49 0.00	88.99 3.18 0.00	89.61 2.87 0.00	88.96 2.07 0.00	84.04 1.49 0.00	71.91 0.86 0.00	51.76 0.59 -2.15
EIGHT_POINT___WT_PWR 323820	47.98 1.04 0.00	34.25 0.56 0.00	35.94 0.60 0.00	33.87 0.60 0.00	32.10 0.35 0.00	32.51 0.35 0.00	33.03 0.56 0.00	37.38 0.99 0.00	33.74 1.58 0.00	45.22 2.20 0.00	50.68 2.07 0.00	52.01 2.24 0.00	54.17 2.41 0.00	53.98 2.07 0.00	60.27 2.83 0.00	56.82 2.00 0.00	67.49 2.99 0.00	85.54 4.06 0.00	90.86 5.05 0.00	92.24 5.49 0.00	92.88 5.99 0.00	87.99 5.44 0.00	76.11 5.06 0.00	52.73 3.71 0.00
ELBRIDGE_115KV_TB2 80188	47.30 0.13 -0.23	33.74 0.05 0.00	35.40 0.06 0.00	33.31 0.04 0.00	31.75 0.00 0.00	32.11 -0.05 0.00	32.46 -0.01 0.00	36.45 0.05 0.00	32.22 0.05 0.00	43.00 -0.02 0.00	48.63 0.01 0.00	49.94 0.17 0.00	52.18 0.42 0.00	52.33 0.42 0.00	58.11 0.58 -0.08	55.39 0.55 -0.02	65.42 0.84 -0.09	85.17 0.91 -2.78	90.00 1.49 -2.70	88.23 1.33 -0.15	88.91 1.09 -0.93	84.94 0.86 -1.53	72.93 0.66 -1.22	49.51 0.48 0.00
ELEC_TRO_TEK 24086	49.45 2.51 0.00	37.55 2.05 -1.82	37.25 1.91 0.00	35.01 1.75 0.00	33.39 1.65 0.00	33.72 1.57 0.00	34.10 1.63 0.00	38.14 1.41 -0.34	33.32 1.14 -0.02	45.39 1.21 -1.16	51.39 2.08 -0.69	53.97 1.80 -2.41	54.53 1.80 -0.96	55.44 1.87 -1.67	59.14 1.70 0.00	57.38 2.53 -0.02	67.66 3.01 -0.15	86.61 5.13 0.00	90.91 5.10 0.00	91.36 4.61 0.00	90.70 3.81 0.00	85.82 3.27 0.00	73.08 2.12 0.08	54.11 1.76 -3.32
ELLENBURG_WT_PWR 323604	46.16 -0.78 0.00	32.85 -0.84 0.00	34.28 -1.05 0.00	32.21 -1.06 0.00	30.65 -1.10 0.00	31.19 -0.96 0.00	31.55 -0.92 0.00	35.67 -0.73 0.00	31.72 -0.44 0.00	42.89 -0.13 0.00	48.35 -0.27 0.00	49.40 -0.36 0.00	51.20 -0.56 0.00	51.27 -0.64 0.00	56.35 -1.09 0.00	53.25 -1.57 0.00	62.79 -1.71 0.00	79.11 -2.37 0.00	82.80 -3.01 0.00	84.48 -2.27 0.00	85.24 -1.66 0.00	81.16 -1.39 0.00	69.78 -1.27 0.00	48.00 -1.03 0.00

ELM_ST_23_KV_LD_REV_LBMP_A 345012	48.77 1.83 0.00	34.65 0.97 0.00	36.33 0.99 0.00	34.08 0.82 0.00	32.26 0.51 0.00	32.37 0.21 0.00	32.85 0.38 0.00	37.43 1.03 0.00	33.86 1.69 0.00	45.74 2.72 0.00	51.76 3.14 0.00	53.43 3.67 0.00	55.74 3.97 0.00	55.50 3.59 0.00	61.55 4.11 0.00	57.63 2.81 0.00	68.05 3.55 0.00	84.25 2.77 0.00	90.99 5.18 0.00	91.47 4.73 0.00	91.96 5.06 0.00	87.22 4.67 0.00	76.07 5.02 0.00	53.01 3.99 0.00
EMPIRE_CC_1 323656	47.00 0.06 0.00	31.31 0.36 2.74	35.85 0.51 0.00	33.80 0.53 0.00	32.35 0.61 0.00	32.74 0.58 0.00	33.04 0.57 0.00	36.13 0.25 0.52	32.21 0.08 0.03	40.71 -0.55 1.75	46.88 -0.70 1.04	45.34 -0.79 3.63	49.33 -0.98 1.46	48.51 -0.89 2.52	56.48 -0.96 0.00	54.17 -0.61 0.04	63.66 -0.61 0.22	81.65 0.18 0.00	86.72 0.91 0.00	87.42 0.67 0.00	86.71 -0.18 0.00	82.24 -0.31 0.00	70.53 -0.52 0.00	43.63 -0.25 5.15
EMPIRE_CC_2 323658	47.00 0.06 0.00	31.31 0.36 2.74	35.85 0.51 0.00	33.80 0.53 0.00	32.35 0.61 0.00	32.74 0.58 0.00	33.04 0.57 0.00	36.13 0.25 0.52	32.21 0.08 0.03	40.71 -0.55 1.75	46.88 -0.70 1.04	45.34 -0.79 3.63	49.33 -0.98 1.46	48.51 -0.89 2.52	56.48 -0.96 0.00	54.17 -0.61 0.04	63.66 -0.61 0.22	81.65 0.18 0.00	86.72 0.91 0.00	87.42 0.67 0.00	86.71 -0.18 0.00	82.24 -0.31 0.00	70.53 -0.52 0.00	43.63 -0.25 5.15
ENORWICH_115KV_TB1 80156	49.86 2.92 0.00	35.65 1.97 0.00	37.49 2.15 0.00	35.11 1.84 0.00	33.69 1.95 0.00	34.14 1.98 0.00	34.56 2.09 0.00	38.82 2.42 0.00	34.36 2.20 0.00	46.01 2.99 0.00	52.40 3.78 0.00	53.22 3.45 0.00	55.37 3.60 0.00	55.75 3.84 0.00	61.96 4.52 0.00	59.62 4.80 0.00	70.47 5.97 0.00	89.13 7.65 0.00	95.72 9.91 0.00	97.23 10.49 0.00	96.51 9.61 0.00	91.10 8.55 0.00	77.61 6.56 0.00	53.08 4.06 0.00
ERIE_ST__34_KV_TB1-2 80199	49.28 2.34 0.00	34.96 1.28 0.00	36.61 1.27 0.00	34.32 1.06 0.00	32.50 0.75 0.00	32.60 0.44 0.00	33.07 0.61 0.00	37.67 1.28 0.00	34.03 1.87 0.00	46.03 3.01 0.00	52.15 3.53 0.00	53.81 4.04 0.00	56.18 4.41 0.00	56.04 4.13 0.00	62.19 4.75 0.00	58.44 3.63 0.00	69.06 4.57 0.00	85.74 4.26 0.00	92.67 6.86 0.00	92.95 6.20 0.00	93.19 6.30 0.00	88.26 5.71 0.00	76.86 5.81 0.00	53.45 4.43 0.00
ERIE_WT_PWR 323693	49.01 2.07 0.00	34.82 1.13 0.00	36.51 1.17 0.00	34.24 0.97 0.00	32.39 0.65 0.00	32.50 0.34 0.00	32.99 0.52 0.00	37.58 1.19 0.00	33.99 1.83 0.00	45.94 2.93 0.00	51.96 3.34 0.00	53.65 3.88 0.00	55.99 4.22 0.00	55.76 3.86 0.00	61.89 4.45 0.00	57.95 3.14 0.00	68.46 3.97 0.00	85.24 3.76 0.00	91.68 5.88 0.00	92.15 5.41 0.00	92.61 5.72 0.00	87.82 5.27 0.00	76.57 5.52 0.00	53.32 4.30 0.00
ESPRGFLD_115KV_TB1 80157	49.96 3.02 0.00	34.95 1.88 0.62	37.31 1.97 0.00	35.10 1.83 0.00	33.39 1.64 0.00	33.78 1.62 0.00	34.18 1.71 0.00	38.29 2.01 0.12	33.95 1.79 0.01	45.42 2.81 0.40	51.89 3.51 0.24	52.63 3.69 0.82	55.24 3.81 0.33	55.16 3.82 0.57	61.40 3.96 0.00	58.60 3.79 0.01	68.94 4.50 0.05	87.27 5.79 0.00	92.08 6.27 0.00	93.19 6.44 0.00	93.73 6.83 0.00	88.74 6.19 0.00	76.32 5.27 0.00	51.48 3.62 1.17
ETNA_115_KV_TB1_REV_LBMP_C 345029	48.40 1.46 0.00	34.66 0.98 0.00	36.37 1.04 0.00	34.19 0.92 0.00	32.63 0.88 0.00	33.00 0.84 0.00	33.36 0.89 0.00	37.43 1.03 0.00	33.06 0.89 0.00	44.07 1.06 0.00	49.75 1.13 0.00	50.89 1.12 0.00	53.18 1.41 0.00	53.41 1.50 0.00	59.42 1.98 0.00	56.71 1.89 0.00	67.13 2.64 0.00	84.97 3.49 0.00	90.50 4.69 0.00	91.08 4.33 0.00	90.88 3.98 0.00	86.14 3.58 0.00	74.04 2.98 0.00	50.94 1.92 0.00
ETNA____115KV_TB2 80207	48.40 1.46 0.00	34.66 0.98 0.00	36.37 1.04 0.00	34.19 0.92 0.00	32.63 0.88 0.00	33.00 0.84 0.00	33.36 0.89 0.00	37.43 1.03 0.00	33.06 0.89 0.00	44.07 1.06 0.00	49.75 1.13 0.00	50.89 1.12 0.00	53.18 1.41 0.00	53.41 1.50 0.00	59.42 1.98 0.00	56.71 1.89 0.00	67.13 2.64 0.00	84.97 3.49 0.00	90.50 4.69 0.00	91.08 4.33 0.00	90.88 3.98 0.00	86.14 3.58 0.00	74.04 2.98 0.00	50.94 1.92 0.00
EUCLID__115KV_TB2 356179	46.93 -0.12 -0.11	33.54 -0.14 0.00	35.18 -0.16 0.00	33.10 -0.17 0.00	31.55 -0.19 0.00	31.91 -0.25 0.00	32.24 -0.22 0.00	36.20 -0.19 0.00	32.04 -0.12 0.00	42.85 -0.16 0.00	48.46 -0.16 0.00	49.76 -0.01 0.00	51.94 0.17 0.00	52.06 0.15 0.00	57.69 0.22 -0.04	55.02 0.19 -0.01	64.86 0.32 -0.04	83.21 0.42 -1.31	87.93 0.85 -1.27	87.46 0.64 -0.07	87.76 0.43 -0.44	83.48 0.21 -0.72	71.74 0.11 -0.57	49.15 0.13 0.00
E_CANADA_CAP_HY 24051	50.42 3.48 0.00	34.93 2.17 0.93	37.56 2.22 0.00	35.32 2.06 0.00	33.56 1.82 0.00	33.96 1.80 0.00	34.31 1.84 0.00	38.27 2.05 0.17	33.90 1.74 0.01	45.03 2.60 0.59	51.46 3.20 0.35	52.05 3.51 1.23	54.78 3.50 0.49	54.60 3.54 0.85	60.98 3.54 0.00	58.22 3.41 0.01	68.53 4.10 0.07	86.93 5.45 0.00	92.04 6.23 0.00	93.67 6.92 0.00	94.40 7.51 0.00	89.38 6.83 0.00	76.92 5.87 0.00	51.30 4.01 1.74
E_CANADA_MHWK_HY 24050	47.45 0.51 0.00	34.39 0.71 0.00	36.22 0.88 0.00	34.17 0.90 0.00	32.77 1.03 0.00	33.12 0.96 0.00	33.40 0.93 0.00	36.93 0.54 0.00	32.01 -0.15 0.00	41.95 -1.07 0.00	47.27 -1.35 0.00	48.58 -1.19 0.00	50.22 -1.54 0.00	50.47 -1.44 0.00	56.04 -1.40 0.00	54.18 -0.64 0.00	64.10 -0.40 0.00	82.60 1.12 0.00	88.87 3.06 0.00	90.19 3.45 0.00	89.54 2.65 0.00	84.69 2.14 0.00	72.33 1.28 0.00	49.63 0.60 0.00
E_FISHKILL__LBMP 23776	48.64 1.70 0.00	36.98 1.44 -1.86	36.73 1.40 0.00	34.60 1.33 0.00	33.05 1.30 0.00	33.42 1.27 0.00	33.79 1.32 0.00	37.90 1.15 -0.35	33.13 0.95 -0.02	45.13 0.92 -1.19	50.43 1.10 -0.71	53.35 1.12 -2.47	53.81 1.05 -0.99	54.71 1.09 -1.71	58.64 1.20 0.00	56.52 1.67 -0.03	66.88 2.23 -0.15	85.22 3.74 0.00	90.12 4.31 0.00	90.61 3.86 0.00	89.85 2.96 0.00	84.93 2.39 0.00	72.76 1.71 0.00	53.86 1.34 -3.50
FALCON__SEABRD_CC1 323796	46.14 -0.80 0.00	32.82 -0.86 0.00	34.23 -1.10 0.00	32.18 -1.09 0.00	30.61 -1.14 0.00	31.16 -1.00 0.00	31.50 -0.96 0.00	35.62 -0.78 0.00	31.69 -0.48 0.00	42.85 -0.16 0.00	48.07 -0.55 0.00	49.14 -0.62 0.00	50.92 -0.85 0.00	50.96 -0.95 0.00	56.01 -1.43 0.00	52.95 -1.87 0.00	62.55 -1.95 0.00	78.77 -2.71 0.00	82.38 -3.43 0.00	84.06 -2.69 0.00	84.80 -2.09 0.00	80.77 -1.78 0.00	69.40 -1.65 0.00	47.75 -1.27 0.00
FALCON__SEABRD_CC2 323797	46.14 -0.80 0.00	32.82 -0.86 0.00	34.23 -1.10 0.00	32.18 -1.09 0.00	30.61 -1.14 0.00	31.16 -1.00 0.00	31.50 -0.96 0.00	35.62 -0.78 0.00	31.69 -0.48 0.00	42.85 -0.16 0.00	48.07 -0.55 0.00	49.14 -0.62 0.00	50.92 -0.85 0.00	50.96 -0.95 0.00	56.01 -1.43 0.00	52.95 -1.87 0.00	62.55 -1.95 0.00	78.77 -2.71 0.00	82.38 -3.43 0.00	84.06 -2.69 0.00	84.80 -2.09 0.00	80.77 -1.78 0.00	69.40 -1.65 0.00	47.75 -1.27 0.00

FAR ROCKAWAY___4 23548	50.63 3.69 0.00	38.14 2.64 -1.82	37.84 2.51 0.00	35.55 2.28 0.00	33.91 2.16 0.00	34.22 2.07 0.00	34.62 2.15 0.00	38.72 1.98 -0.34	33.87 1.68 -0.02	46.15 1.98 -1.16	52.32 3.01 -0.69	54.99 2.81 -2.41	55.66 2.93 -0.96	56.62 3.04 -1.67	60.48 3.04 0.00	58.55 3.71 -0.02	69.14 4.30 -0.34	90.88 6.77 -2.64	94.28 6.89 -1.58	93.12 6.37 0.00	92.47 5.57 0.00	87.45 4.90 0.00	74.48 3.43 0.00	55.08 2.64 -3.41
FARRAGUT_138_KV_32071_REV_LBMP_J 345003	49.49 2.55 0.00	37.60 2.10 -1.82	37.31 1.97 0.00	35.12 1.85 0.00	33.52 1.77 0.00	33.87 1.71 0.00	34.25 1.79 0.00	38.44 1.71 -0.34	33.71 1.52 -0.02	45.88 1.70 -1.16	51.25 1.94 -0.69	54.11 1.94 -2.41	54.60 1.87 -0.96	55.50 1.92 -1.67	59.55 2.11 0.00	57.51 2.67 -0.02	68.06 3.42 -0.15	86.72 5.24 0.00	91.68 5.87 0.00	92.06 5.32 0.00	91.25 4.36 0.00	86.25 3.70 0.00	73.84 2.79 0.00	54.58 2.15 -3.41
FARRAGUT_138_KV_38B01_REV_LBMP_J 345016	49.51 2.57 0.00	37.61 2.11 -1.82	37.32 1.99 0.00	35.13 1.86 0.00	33.52 1.78 0.00	33.88 1.73 0.00	34.27 1.80 0.00	38.45 1.71 -0.34	33.72 1.53 -0.02	45.89 1.71 -1.16	51.27 1.96 -0.69	54.12 1.95 -2.41	54.62 1.90 -0.96	55.50 1.93 -1.67	59.55 2.11 0.00	57.52 2.67 -0.02	68.10 3.45 -0.15	86.74 5.26 0.00	91.71 5.90 0.00	92.11 5.36 0.00	91.31 4.41 0.00	86.28 3.73 0.00	73.89 2.84 0.00	54.60 2.16 -3.41
FARRAGUT_138_KV_38M12_REV_LBMP_J 345017	49.45 2.50 0.00	37.57 2.06 -1.82	37.28 1.94 0.00	35.09 1.82 0.00	33.49 1.74 0.00	33.85 1.69 0.00	34.23 1.77 0.00	38.41 1.67 -0.34	33.68 1.49 -0.02	45.84 1.67 -1.16	51.21 1.90 -0.69	54.06 1.89 -2.41	54.55 1.82 -0.96	55.45 1.87 -1.67	59.49 2.05 0.00	57.45 2.61 -0.02	67.99 3.35 -0.15	86.64 5.16 0.00	91.58 5.77 0.00	91.97 5.22 0.00	91.17 4.27 0.00	86.16 3.61 0.00	73.77 2.72 0.00	54.53 2.10 -3.41
FARRAGUT___LBMP 323566	49.41 2.46 0.00	37.54 2.04 -1.82	37.25 1.91 0.00	35.06 1.79 0.00	33.46 1.72 0.00	33.82 1.67 0.00	34.21 1.74 0.00	38.37 1.63 -0.34	33.65 1.46 -0.02	45.80 1.62 -1.16	51.16 1.85 -0.69	54.01 1.84 -2.41	54.50 1.77 -0.96	55.39 1.81 -1.67	59.41 1.98 0.00	57.39 2.55 -0.02	67.92 3.28 -0.15	86.55 5.07 0.00	91.48 5.67 0.00	91.86 5.12 0.00	91.07 4.18 0.00	86.06 3.51 0.00	73.69 2.64 0.00	54.48 2.05 -3.41
FENNER___WINDPWR 24204	48.10 1.16 0.00	34.44 0.75 0.00	36.09 0.75 0.00	33.99 0.72 0.00	32.45 0.71 0.00	32.83 0.68 0.00	33.16 0.69 0.00	37.19 0.79 0.00	32.83 0.66 0.00	44.03 1.01 0.00	49.75 1.13 0.00	50.81 1.04 0.00	53.12 1.35 0.00	53.22 1.31 0.00	59.04 1.60 0.00	56.49 1.67 0.00	66.60 2.10 0.00	84.83 3.34 0.00	90.00 4.19 0.00	90.71 3.97 0.00	90.47 3.58 0.00	85.58 3.03 0.00	73.40 2.35 0.00	50.53 1.50 0.00
FIBERTEK___ENERGY 23856	47.37 0.21 -0.23	33.74 0.06 0.00	35.38 0.04 0.00	33.29 0.02 0.00	31.74 0.00 0.00	32.10 -0.05 0.00	32.44 -0.03 0.00	36.42 0.03 0.00	32.22 0.06 0.00	43.03 0.02 0.00	48.66 0.05 0.00	50.00 0.23 0.00	52.25 0.48 0.00	52.38 0.47 0.00	58.15 0.63 -0.08	55.45 0.61 -0.02	65.47 0.89 -0.08	85.30 1.08 -2.73	89.98 1.52 -2.65	88.21 1.31 -0.15	88.86 1.05 -0.92	84.87 0.82 -1.50	72.84 0.59 -1.20	49.44 0.41 0.00
FITZPATRICK___ 23598	43.83 -0.99 2.12	32.94 -0.74 0.00	34.56 -0.78 0.00	32.52 -0.74 0.00	31.01 -0.73 0.00	31.37 -0.79 0.00	31.70 -0.77 0.00	35.58 -0.82 0.00	31.48 -0.68 0.00	42.08 -0.94 0.00	47.58 -1.04 0.00	48.81 -0.96 0.00	50.87 -0.90 0.00	50.98 -0.93 0.00	55.66 -1.00 0.78	53.67 -0.96 0.19	62.65 -1.06 0.79	54.69 -1.30 25.49	60.00 -1.07 24.74	84.12 -1.20 1.43	76.98 -1.36 8.55	67.10 -1.43 14.02	58.62 -1.27 11.16	48.20 -0.82 0.01
FORGEBRK_115_KV_TR1_2_REV_LBMP_G 345010	49.52 2.58 0.00	37.16 2.01 -1.47	37.31 1.97 0.00	35.12 1.86 0.00	33.53 1.79 0.00	33.91 1.75 0.00	34.28 1.81 0.00	38.41 1.74 -0.28	33.70 1.52 -0.02	45.70 1.75 -0.94	51.23 2.05 -0.56	53.86 2.15 -1.94	54.74 2.19 -0.78	55.55 2.29 -1.35	60.01 2.57 0.00	57.83 3.00 -0.02	68.51 3.90 -0.12	87.33 5.85 0.00	92.43 6.61 0.00	92.86 6.11 0.00	92.03 5.14 0.00	86.93 4.38 0.00	74.37 3.32 0.00	54.14 2.36 -2.76
FORT ORANGE___ 23900	46.77 -0.17 0.00	32.45 0.09 1.32	35.55 0.22 0.00	33.53 0.26 0.00	32.14 0.39 0.00	32.53 0.37 0.00	32.83 0.36 0.00	36.23 0.08 0.25	32.03 -0.12 0.02	41.43 -0.75 0.84	47.20 -0.91 0.50	46.99 -1.02 1.75	49.89 -1.17 0.70	49.57 -1.12 1.21	56.29 -1.15 0.00	53.92 -0.88 0.02	63.68 -0.71 0.11	81.29 -0.19 0.00	86.34 0.53 0.00	87.26 0.51 0.00	86.70 -0.19 0.00	82.16 -0.39 0.00	70.50 -0.55 0.00	46.21 -0.33 2.48
FORT_DRUM_COGEN 23780	49.49 2.32 -0.22	34.88 1.19 0.00	36.23 0.89 0.00	34.25 0.98 0.00	32.80 1.06 0.00	33.38 1.23 0.00	33.56 1.08 0.00	37.62 1.22 0.00	33.22 1.06 0.00	44.57 1.56 0.00	50.41 1.79 0.00	51.61 1.84 0.00	54.89 3.13 0.00	53.45 1.54 0.00	58.92 1.40 -0.08	57.23 2.39 -0.02	66.24 1.66 -0.08	88.47 4.33 -2.66	94.14 5.75 -2.58	94.27 7.37 -0.15	96.33 8.54 -0.89	90.50 6.48 -1.46	76.70 4.48 -1.16	52.13 3.10 0.00
FOX_HILLS___ESR 323835	49.49 2.54 0.00	37.65 2.14 -1.82	37.30 1.96 0.00	35.11 1.84 0.00	33.51 1.76 0.00	33.84 1.69 0.00	34.24 1.77 0.00	38.42 1.68 -0.34	33.69 1.51 -0.02	45.77 1.60 -1.16	50.97 1.66 -0.69	53.85 1.67 -2.41	54.26 1.58 -0.91	55.21 1.63 -1.67	59.17 1.73 0.00	57.17 2.33 -0.02	67.71 3.07 -0.15	86.29 4.81 0.00	91.22 5.41 0.00	91.68 4.93 0.00	90.85 3.96 0.00	85.78 3.23 0.00	73.51 2.47 0.00	54.51 2.08 -3.42
FPL_FAR_ROCK_GT1 24212	50.63 3.69 0.00	38.15 2.65 -1.82	37.85 2.51 0.00	35.55 2.28 0.00	33.90 2.16 0.00	34.23 2.07 0.00	34.62 2.15 0.00	38.72 1.98 -0.34	33.87 1.68 -0.02	46.15 1.98 -1.16	52.33 3.02 -0.69	54.98 2.81 -2.41	55.66 2.93 -0.96	56.63 3.05 -1.67	60.48 3.04 0.00	58.53 3.69 -0.02	69.15 4.31 -0.34	90.43 6.32 -2.64	94.23 6.83 -1.58	93.12 6.37 0.00	92.47 5.57 0.00	87.45 4.90 0.00	74.49 3.44 0.00	55.10 2.66 -3.41
FPL_FAR_ROCK_GT2 23815	50.63 3.69 0.00	38.15 2.65 -1.82	37.85 2.51 0.00	35.55 2.28 0.00	33.90 2.16 0.00	34.23 2.07 0.00	34.62 2.15 0.00	38.72 1.98 -0.34	33.87 1.68 -0.02	46.15 1.98 -1.16	52.33 3.02 -0.69	54.98 2.81 -2.41	55.66 2.93 -0.96	56.63 3.05 -1.67	60.48 3.04 0.00	58.53 3.69 -0.02	69.15 4.31 -0.34	90.43 6.32 -2.64	94.23 6.83 -1.58	93.12 6.37 0.00	92.47 5.57 0.00	87.45 4.90 0.00	74.49 3.44 0.00	55.10 2.66 -3.41
FRANKLIN_FALL_HYD 24054	47.06 0.12 0.00	33.41 -0.28 0.00	34.85 -0.49 0.00	32.74 -0.53 0.00	31.16 -0.59 0.00	31.73 -0.43 0.00	32.06 -0.40 0.00	36.27 -0.13 0.00	32.22 0.06 0.00	43.61 0.60 0.00	49.25 0.63 0.00	50.27 0.50 0.00	52.19 0.43 0.00	52.29 0.38 0.00	57.60 0.16 0.00	54.56 -0.26 0.00	64.02 -0.47 0.00	80.92 -0.55 0.00	84.31 -1.50 0.00	86.52 -0.23 0.00	87.37 0.47 0.00	83.21 0.66 0.00	71.44 0.39 0.00	49.09 0.07 0.00



FREEPORT_EQUS_GT1 23764	49.79 2.85 0.00	37.83 2.32 -1.82	37.47 2.13 0.00	35.22 1.96 0.00	33.59 1.84 0.00	33.90 1.75 0.00	34.28 1.81 0.00	38.31 1.57 -0.34	33.46 1.28 -0.02	45.57 1.39 -1.16	51.73 2.42 -0.69	54.31 2.14 -2.41	54.93 2.20 -0.96	55.82 2.25 -1.67	59.36 1.92 0.00	57.65 2.81 -0.02	67.99 3.35 -0.15	86.41 4.93 0.00	91.02 5.22 0.00	91.51 4.76 0.00	90.88 3.99 0.00	86.23 3.68 0.00	73.27 2.50 0.27	54.30 2.16 -3.12
FREEPORT___CT2 23818	49.79 2.85 0.00	37.83 2.32 -1.82	37.47 2.13 0.00	35.22 1.96 0.00	33.59 1.84 0.00	33.90 1.75 0.00	34.28 1.81 0.00	38.31 1.57 -0.34	33.46 1.28 -0.02	45.57 1.39 -1.16	51.73 2.42 -0.69	54.31 2.14 -2.41	54.93 2.20 -0.96	55.82 2.25 -1.67	59.36 1.92 0.00	57.65 2.81 -0.02	67.99 3.35 -0.15	86.41 4.93 0.00	91.02 5.22 0.00	91.51 4.76 0.00	90.88 3.99 0.00	86.23 3.68 0.00	73.27 2.50 0.27	54.30 2.16 -3.12
FRESHKLS_33_KV_LOAD 356253	49.53 2.59 0.00	37.70 2.20 -1.82	37.34 2.00 0.00	35.14 1.88 0.00	33.54 1.79 0.00	33.87 1.72 0.00	34.26 1.80 0.00	38.45 1.71 -0.34	33.72 1.54 -0.02	45.77 1.59 -1.16	50.88 1.57 -0.69	53.82 1.64 -2.41	54.23 1.54 -0.91	55.19 1.62 -1.67	59.17 1.73 0.00	57.21 2.37 -0.02	67.76 3.12 -0.15	86.38 4.90 0.00	91.34 5.54 0.00	91.82 5.07 0.00	91.03 4.14 0.00	85.94 3.39 0.00	73.65 2.60 0.00	54.66 2.22 -3.42
FULTON COGEN____ 23766	47.31 -0.20 -0.57	33.49 -0.20 0.00	35.11 -0.23 0.00	33.03 -0.24 0.00	31.49 -0.25 0.00	31.85 -0.30 0.00	32.18 -0.28 0.00	36.11 -0.29 0.00	31.97 -0.19 0.00	42.71 -0.31 0.00	48.37 -0.25 0.00	49.63 -0.13 0.00	51.76 0.00 0.00	51.84 -0.07 0.00	57.61 -0.04 -0.21	54.89 0.02 -0.05	64.91 0.20 -0.21	88.60 0.29 -6.84	92.99 0.55 -6.64	87.54 0.41 -0.38	89.42 0.23 -2.29	86.32 0.01 -3.76	73.92 -0.12 -2.99	48.96 -0.07 0.00
FULTON___LFGE 323630	50.33 3.39 0.00	34.88 2.25 1.05	37.71 2.37 0.00	35.47 2.20 0.00	33.75 2.01 0.00	34.15 1.99 0.00	34.49 2.02 0.00	38.24 2.04 0.20	33.60 1.45 0.01	44.02 1.68 0.67	50.24 2.02 0.40	50.75 2.38 1.40	53.46 2.25 0.56	53.42 2.48 0.97	59.71 2.27 0.00	57.35 2.55 0.01	68.14 3.74 0.09	86.53 5.05 0.00	92.20 6.39 0.00	94.26 7.51 0.00	94.57 7.68 0.00	89.46 6.91 0.00	76.76 5.71 0.00	50.88 3.83 1.98
G.F.CEMENT___DRP 24184	49.68 2.74 0.00	34.22 2.15 1.62	37.74 2.40 0.00	35.48 2.21 0.00	33.86 2.12 0.00	34.23 2.08 0.00	34.62 2.15 0.00	38.14 2.05 0.30	33.82 1.67 0.02	43.62 1.64 1.03	49.43 1.43 0.62	49.02 1.39 2.14	52.09 1.18 0.86	51.80 1.37 1.48	59.19 1.75 0.00	56.91 2.12 0.02	67.38 3.01 0.13	86.85 5.37 0.00	92.96 7.15 0.00	93.65 6.90 0.00	93.11 6.21 0.00	88.28 5.73 0.00	75.28 4.23 0.00	48.79 2.80 3.03
GARDENVILLE___LBMP 24039	48.84 1.90 0.00	34.70 1.01 0.00	36.39 1.05 0.00	34.13 0.86 0.00	32.31 0.56 0.00	32.42 0.26 0.00	32.91 0.44 0.00	37.48 1.08 0.00	33.90 1.74 0.00	45.82 2.80 0.00	51.84 3.22 0.00	53.48 3.72 0.00	55.81 4.04 0.00	55.59 3.68 0.00	61.67 4.23 0.00	57.74 2.92 0.00	68.21 3.71 0.00	84.52 3.04 0.00	91.31 5.50 0.00	91.78 5.04 0.00	92.28 5.39 0.00	87.49 4.94 0.00	76.32 5.27 0.00	53.14 4.11 0.00
GARDNVLA_35_KV_LD 355827	49.15 2.21 0.00	34.90 1.21 0.00	36.58 1.24 0.00	34.31 1.04 0.00	32.47 0.72 0.00	32.57 0.41 0.00	33.05 0.58 0.00	37.66 1.26 0.00	34.06 1.90 0.00	46.07 3.05 0.00	52.14 3.52 0.00	53.82 4.05 0.00	56.19 4.42 0.00	55.97 4.06 0.00	62.12 4.68 0.00	58.20 3.38 0.00	68.72 4.22 0.00	85.15 3.67 0.00	92.00 6.19 0.00	92.46 5.71 0.00	92.90 6.00 0.00	88.04 5.49 0.00	76.75 5.70 0.00	53.43 4.41 0.00
GELCKHM___115KV_LOAD 80723	47.10 0.00 -0.16	33.62 -0.07 0.00	35.25 -0.08 0.00	33.16 -0.11 0.00	31.62 -0.13 0.00	31.97 -0.18 0.00	32.31 -0.15 0.00	36.28 -0.12 0.00	32.11 -0.06 0.00	42.91 -0.11 0.00	48.52 -0.10 0.00	49.84 0.07 0.00	52.05 0.28 0.00	52.17 0.26 0.00	57.86 0.36 -0.06	55.18 0.35 -0.02	65.08 0.52 -0.06	84.06 0.65 -1.93	88.76 1.08 -1.88	87.72 0.87 -0.11	88.17 0.63 -0.65	84.03 0.41 -1.06	72.17 0.27 -0.85	49.25 0.22 0.00
GENERAL___MILLS 23808	49.01 2.06 0.00	34.81 1.12 0.00	36.49 1.15 0.00	34.23 0.96 0.00	32.39 0.64 0.00	32.50 0.34 0.00	32.98 0.51 0.00	37.57 1.17 0.00	33.99 1.82 0.00	45.94 2.92 0.00	51.98 3.36 0.00	53.65 3.88 0.00	55.99 4.22 0.00	55.76 3.85 0.00	61.87 4.43 0.00	57.96 3.14 0.00	68.45 3.96 0.00	84.81 3.33 0.00	91.62 5.82 0.00	92.10 5.35 0.00	92.55 5.66 0.00	87.75 5.20 0.00	76.53 5.48 0.00	53.29 4.26 0.00
GE_PLASTICS___DRP 24183	46.62 -0.32 0.00	32.65 -0.01 1.03	35.47 0.13 0.00	33.48 0.21 0.00	32.05 0.30 0.00	32.44 0.28 0.00	32.73 0.26 0.00	36.20 -0.01 0.19	31.94 -0.21 0.01	41.63 -0.73 0.66	47.37 -0.86 0.39	47.50 -0.91 1.36	50.18 -1.04 0.55	49.97 -1.00 0.94	56.38 -1.06 0.00	54.05 -0.76 0.01	63.68 -0.74 0.08	81.22 -0.26 0.00	86.05 0.24 0.00	86.78 0.03 0.00	86.24 -0.66 0.00	81.74 -0.81 0.00	70.15 -0.90 0.00	46.57 -0.52 1.93
GILBOA___1 23756	47.68 0.74 0.00	34.69 0.71 -0.29	36.45 1.11 0.00	34.48 1.21 0.00	32.95 1.20 0.00	33.33 1.18 0.00	33.67 1.20 0.00	37.56 1.11 -0.06	32.60 0.43 0.00	43.49 0.28 -0.19	49.05 0.32 -0.11	50.49 0.33 -0.39	52.20 0.28 -0.16	52.51 0.32 -0.27	57.81 0.38 0.00	55.47 0.65 0.00	65.23 0.72 -0.02	82.76 1.28 0.00	87.65 1.84 0.00	88.30 1.56 0.00	87.64 0.75 0.00	83.10 0.56 0.00	71.61 0.56 0.00	50.20 0.63 -0.55
GILBOA___2 23757	47.68 0.74 0.00	34.69 0.71 -0.29	36.45 1.11 0.00	34.48 1.21 0.00	32.95 1.20 0.00	33.33 1.18 0.00	33.67 1.20 0.00	37.56 1.11 -0.06	32.60 0.43 0.00	43.49 0.28 -0.19	49.05 0.32 -0.11	50.49 0.33 -0.39	52.20 0.28 -0.16	52.51 0.32 -0.27	57.81 0.38 0.00	55.47 0.65 0.00	65.23 0.72 -0.02	82.76 1.28 0.00	87.65 1.84 0.00	88.30 1.56 0.00	87.64 0.75 0.00	83.10 0.56 0.00	71.61 0.56 0.00	50.20 0.63 -0.55
GILBOA___3 23758	47.68 0.74 0.00	34.69 0.71 -0.29	36.45 1.11 0.00	34.48 1.21 0.00	32.95 1.20 0.00	33.33 1.18 0.00	33.67 1.20 0.00	37.56 1.11 -0.06	32.60 0.43 0.00	43.49 0.28 -0.19	49.05 0.32 -0.11	50.49 0.33 -0.39	52.20 0.28 -0.16	52.51 0.32 -0.27	57.81 0.38 0.00	55.47 0.65 0.00	65.23 0.72 -0.02	82.76 1.28 0.00	87.65 1.84 0.00	88.30 1.56 0.00	87.64 0.75 0.00	83.10 0.56 0.00	71.61 0.56 0.00	50.20 0.63 -0.55
GILBOA___4 23759	47.68 0.74 0.00	34.69 0.71 -0.29	36.45 1.11 0.00	34.48 1.21 0.00	32.95 1.20 0.00	33.33 1.18 0.00	33.67 1.20 0.00	37.56 1.11 -0.06	32.60 0.43 0.00	43.49 0.28 -0.19	49.05 0.32 -0.11	50.49 0.33 -0.39	52.20 0.28 -0.16	52.51 0.32 -0.27	57.81 0.38 0.00	55.47 0.65 0.00	65.23 0.72 -0.02	82.76 1.28 0.00	87.65 1.84 0.00	88.30 1.56 0.00	87.64 0.75 0.00	83.10 0.56 0.00	71.61 0.56 0.00	50.20 0.63 -0.55

GILBOA____ 23599	47.68 0.74 0.00	34.69 0.71 -0.29	36.45 1.12 0.00	34.48 1.21 0.00	32.95 1.20 0.00	33.33 1.18 0.00	33.67 1.20 0.00	37.56 1.11 -0.06	32.60 0.43 0.00	43.48 0.28 -0.19	49.05 0.32 -0.11	50.49 0.33 -0.39	52.20 0.28 -0.16	52.50 0.32 -0.27	57.81 0.37 0.00	55.47 0.65 0.00	65.24 0.72 -0.02	82.79 1.31 0.00	87.65 1.84 0.00	88.30 1.56 0.00	87.64 0.75 0.00	83.10 0.55 0.00	71.61 0.56 0.00	50.20 0.62 -0.55
GINNA____ 23603	46.72 -0.22 0.00	33.29 -0.39 0.00	34.84 -0.50 0.00	32.70 -0.57 0.00	31.05 -0.69 0.00	31.28 -0.88 0.00	31.65 -0.82 0.00	35.81 -0.58 0.00	32.08 -0.09 0.00	43.16 0.15 0.00	48.97 0.35 0.00	50.54 0.77 0.00	52.88 1.11 0.00	52.98 1.07 0.00	58.61 1.17 0.00	55.30 0.48 0.00	65.25 0.75 0.00	81.95 0.47 0.00	87.24 1.43 0.00	87.98 1.24 0.00	88.09 1.20 0.00	83.36 0.81 0.00	71.99 0.94 0.00	49.83 0.80 0.00
GLEN PARK____ 23778	49.93 2.76 -0.23	35.19 1.50 0.00	36.54 1.21 0.00	34.52 1.25 0.00	33.07 1.32 0.00	33.64 1.49 0.00	33.82 1.35 0.00	37.88 1.49 0.00	33.43 1.26 0.00	44.81 1.79 0.00	50.66 2.04 0.00	51.89 2.12 0.00	55.35 3.58 0.00	53.74 1.83 0.00	59.20 1.68 -0.09	57.48 2.64 -0.02	66.60 2.01 -0.09	89.22 4.93 -2.81	95.02 6.48 -2.73	94.95 8.05 -0.16	97.31 9.47 -0.94	91.46 7.37 -1.54	77.49 5.21 -1.23	52.59 3.57 0.00
GLENDALE_27_KV_LOAD 356172	49.61 2.67 0.00	37.77 2.26 -1.82	37.46 2.13 0.00	35.25 1.99 0.00	33.65 1.90 0.00	33.99 1.84 0.00	34.38 1.91 0.00	38.57 1.83 -0.34	33.84 1.66 -0.02	46.00 1.83 -1.16	51.34 2.03 -0.69	54.16 1.99 -2.41	54.66 1.93 -0.96	55.54 1.97 -1.67	59.57 2.13 0.00	57.58 2.73 -0.02	68.15 3.50 -0.15	86.80 5.32 0.00	91.74 5.94 0.00	92.15 5.40 0.00	91.35 4.45 0.00	86.34 3.79 0.00	73.93 2.88 0.00	54.66 2.22 -3.41
GLENWOOD_IC_1_G5 23712	49.62 2.68 0.00	37.67 2.17 -1.82	37.38 2.04 0.00	35.15 1.88 0.00	33.53 1.79 0.00	33.87 1.71 0.00	34.25 1.78 0.00	38.35 1.61 -0.34	33.57 1.38 -0.02	45.74 1.57 -1.16	51.58 2.27 -0.69	54.33 2.15 -2.41	54.90 2.17 -0.96	55.79 2.22 -1.67	59.52 2.08 0.00	57.61 2.77 -0.02	68.03 3.39 -0.15	86.95 5.47 0.00	91.55 5.74 0.00	91.95 5.20 0.00	91.21 4.32 0.00	86.23 3.68 0.00	73.40 2.52 0.16	54.38 2.11 -3.24
GLENWOOD_IC_2_G1 23688	49.39 2.45 0.00	37.50 2.00 -1.82	37.23 1.89 0.00	35.02 1.75 0.00	33.42 1.68 0.00	33.77 1.62 0.00	34.15 1.68 0.00	38.25 1.52 -0.34	33.49 1.30 -0.02	45.59 1.42 -1.16	51.28 1.97 -0.69	54.05 1.88 -2.41	54.59 1.86 -0.96	55.50 1.93 -1.67	59.40 1.96 0.00	57.42 2.58 -0.02	67.87 3.23 -0.15	86.43 4.95 0.00	91.32 5.52 0.00	91.77 5.02 0.00	91.03 4.14 0.00	86.07 3.52 0.00	73.49 2.44 0.00	54.37 1.93 -3.41
GLENWOOD_IC_3_G1 23689	49.39 2.45 0.00	37.50 2.00 -1.82	37.23 1.89 0.00	35.02 1.75 0.00	33.42 1.68 0.00	33.77 1.62 0.00	34.15 1.68 0.00	38.25 1.52 -0.34	33.49 1.30 -0.02	45.59 1.42 -1.16	51.28 1.97 -0.69	54.05 1.88 -2.41	54.59 1.86 -0.96	55.50 1.93 -1.67	59.40 1.96 0.00	57.42 2.58 -0.02	67.87 3.23 -0.15	86.43 4.95 0.00	91.32 5.52 0.00	91.77 5.02 0.00	91.03 4.14 0.00	86.07 3.52 0.00	73.49 2.44 0.00	54.37 1.93 -3.41
GLENWOOD____4 23550	49.62 2.68 0.00	37.67 2.17 -1.82	37.38 2.04 0.00	35.15 1.88 0.00	33.53 1.79 0.00	33.87 1.71 0.00	34.25 1.78 0.00	38.35 1.61 -0.34	33.57 1.38 -0.02	45.74 1.57 -1.16	51.58 2.27 -0.69	54.33 2.15 -2.41	54.90 2.17 -0.96	55.80 2.22 -1.67	59.59 2.15 0.00	57.69 2.84 -0.02	68.11 3.47 -0.15	87.05 5.57 0.00	91.66 5.85 0.00	92.05 5.30 0.00	91.30 4.40 0.00	86.33 3.78 0.00	73.49 2.60 0.16	54.38 2.11 -3.24
GLENWOOD____5 23614	49.62 2.68 0.00	37.67 2.17 -1.82	37.38 2.04 0.00	35.15 1.88 0.00	33.53 1.79 0.00	33.87 1.71 0.00	34.25 1.78 0.00	38.35 1.61 -0.34	33.57 1.38 -0.02	45.74 1.57 -1.16	51.58 2.27 -0.69	54.33 2.15 -2.41	54.90 2.17 -0.96	55.80 2.22 -1.67	59.59 2.15 0.00	57.69 2.84 -0.02	68.11 3.47 -0.15	87.05 5.57 0.00	91.66 5.85 0.00	92.05 5.30 0.00	91.30 4.40 0.00	86.33 3.78 0.00	73.49 2.60 0.16	54.38 2.11 -3.24
GLOBAL GREEN_PORT_GT1 23814	51.17 4.23 0.00	38.77 3.27 -1.82	38.44 3.10 0.00	36.05 2.78 0.00	34.37 2.63 0.00	34.65 2.50 0.00	35.00 2.53 0.00	38.96 2.22 -0.34	34.26 2.07 -0.02	46.74 2.56 -1.16	53.60 4.28 -0.69	56.25 4.07 -2.41	56.89 4.16 -0.96	57.80 4.22 -1.67	61.80 4.37 0.01	60.32 5.48 -0.02	69.67 6.34 1.17	87.10 9.41 3.79	91.30 9.51 4.01	92.87 8.81 2.68	94.37 7.48 0.00	89.30 6.74 0.00	75.60 5.08 0.53	55.46 3.59 -2.84
GLOBE____DSASP 323697	47.75 0.81 0.00	33.93 0.25 0.00	35.56 0.22 0.00	33.36 0.10 0.00	31.58 -0.16 0.00	31.67 -0.49 0.00	32.15 -0.32 0.00	36.64 0.25 0.00	33.13 0.96 0.00	44.72 1.71 0.00	50.65 2.03 0.00	52.30 2.53 0.00	54.52 2.76 0.00	54.19 2.28 0.00	59.99 2.56 0.00	56.12 1.30 0.00	66.11 1.62 0.00	81.54 0.07 0.00	88.08 2.27 0.00	88.53 1.78 0.00	89.12 2.22 0.00	84.57 2.02 0.00	73.98 2.93 0.00	51.74 2.71 0.00
GOETHSLN____LBMP 323567	49.21 2.27 0.00	37.39 1.89 -1.82	37.09 1.75 0.00	34.91 1.65 0.00	33.33 1.58 0.00	33.67 1.52 0.00	34.06 1.59 0.00	38.23 1.49 -0.34	33.52 1.33 -0.02	45.61 1.43 -1.16	50.90 1.59 -0.69	53.68 1.51 -2.40	54.10 1.42 -0.92	55.07 1.49 -1.67	59.07 1.63 0.00	57.10 2.25 -0.02	67.56 2.92 -0.15	86.07 4.59 0.00	91.00 5.19 0.00	91.36 4.61 0.00	90.58 3.69 0.00	85.59 3.04 0.00	73.27 2.23 0.00	54.20 1.77 -3.41
GOLAH____69_KV_TB 1_2 80279	49.34 2.40 0.00	35.10 1.41 0.00	36.72 1.38 0.00	34.47 1.21 0.00	32.70 0.95 0.00	32.88 0.72 0.00	33.30 0.83 0.00	37.76 1.36 0.00	33.92 1.75 0.00	45.63 2.61 0.00	51.72 3.10 0.00	53.29 3.53 0.00	55.76 4.00 0.00	55.85 3.94 0.00	61.92 4.48 0.00	58.06 3.25 0.00	68.67 4.17 0.00	85.83 4.35 0.00	91.97 6.17 0.00	92.77 6.02 0.00	93.08 6.19 0.00	88.12 5.57 0.00	76.33 5.29 0.00	52.94 3.91 0.00
GOODYEAR_LAKE_HYD 323669	49.05 2.11 0.00	35.12 1.43 0.00	36.93 1.59 0.00	34.78 1.51 0.00	33.17 1.43 0.00	33.56 1.40 0.00	33.95 1.48 0.00	38.04 1.64 0.00	33.53 1.36 0.00	44.97 1.96 0.00	51.04 2.42 0.00	52.29 2.52 0.00	54.36 2.60 0.00	54.51 2.60 0.00	60.24 2.81 0.00	57.68 2.86 0.00	67.95 3.45 0.00	86.14 4.66 0.00	90.98 5.18 0.00	91.82 5.07 0.00	91.78 4.89 0.00	86.90 4.35 0.00	74.66 3.61 0.00	51.53 2.51 0.00
GOUDEY_115_KV_TB6_REV_LBMP_C 345031	47.61 0.67 0.00	34.16 0.47 0.00	35.86 0.52 0.00	33.73 0.46 0.00	32.20 0.46 0.00	32.59 0.44 0.00	32.97 0.50 0.00	37.00 0.60 0.00	32.70 0.53 0.00	43.68 0.66 0.00	49.34 0.72 0.00	50.70 0.93 0.00	52.87 1.11 0.00	52.86 0.94 0.00	58.69 1.25 0.00	56.20 1.38 0.00	66.18 1.69 0.00	83.89 2.41 0.00	89.03 3.22 0.00	89.62 2.87 0.00	89.32 2.43 0.00	84.57 2.02 0.00	72.90 1.86 0.00	50.31 1.29 0.00

GOUDEY___7 23579	47.61 0.67 0.00	34.16 0.47 0.00	35.86 0.52 0.00	33.73 0.46 0.00	32.20 0.46 0.00	32.59 0.44 0.00	32.97 0.50 0.00	37.00 0.60 0.00	32.70 0.53 0.00	43.68 0.66 0.00	49.34 0.72 0.00	50.70 0.93 0.00	52.87 1.11 0.00	52.86 0.94 0.00	58.69 1.25 0.00	56.20 1.38 0.00	66.18 1.69 0.00	83.89 2.41 0.00	89.03 3.22 0.00	89.62 2.87 0.00	89.32 2.43 0.00	84.57 2.02 0.00	72.90 1.86 0.00	50.31 1.29 0.00
GOUDEY___8 23580	47.61 0.67 0.00	34.16 0.47 0.00	35.86 0.52 0.00	33.73 0.46 0.00	32.20 0.46 0.00	32.59 0.44 0.00	32.97 0.50 0.00	37.00 0.60 0.00	32.70 0.53 0.00	43.68 0.66 0.00	49.34 0.72 0.00	50.70 0.93 0.00	52.87 1.11 0.00	52.86 0.94 0.00	58.69 1.25 0.00	56.20 1.38 0.00	66.18 1.69 0.00	83.89 2.41 0.00	89.03 3.22 0.00	89.62 2.87 0.00	89.32 2.43 0.00	84.57 2.02 0.00	72.90 1.86 0.00	50.31 1.29 0.00
GOWANUS_GT1_1 24077	49.61 2.67 0.00	37.73 2.22 -1.82	37.40 2.06 0.00	35.20 1.93 0.00	33.59 1.84 0.00	33.93 1.77 0.00	34.32 1.85 0.00	38.51 1.77 -0.34	33.79 1.60 -0.02	45.91 1.74 -1.16	51.20 1.89 -0.69	54.06 1.89 -2.41	54.54 1.81 -0.96	55.42 1.84 -1.67	59.37 1.94 0.00	57.38 2.53 -0.02	67.95 3.31 -0.15	86.60 5.12 0.00	91.52 5.72 0.00	91.95 5.20 0.00	91.14 4.25 0.00	86.07 3.52 0.00	73.73 2.68 0.00	54.60 2.17 -3.42
GOWANUS_GT1_2 24078	49.61 2.67 0.00	37.73 2.22 -1.82	37.40 2.06 0.00	35.20 1.93 0.00	33.59 1.84 0.00	33.93 1.77 0.00	34.32 1.85 0.00	38.51 1.77 -0.34	33.79 1.60 -0.02	45.91 1.74 -1.16	51.20 1.89 -0.69	54.06 1.89 -2.41	54.54 1.81 -0.96	55.42 1.84 -1.67	59.37 1.94 0.00	57.38 2.53 -0.02	67.95 3.31 -0.15	86.60 5.12 0.00	91.52 5.72 0.00	91.95 5.20 0.00	91.14 4.25 0.00	86.07 3.52 0.00	73.73 2.68 0.00	54.60 2.17 -3.42
GOWANUS_GT1_3 24079	49.61 2.67 0.00	37.73 2.22 -1.82	37.40 2.06 0.00	35.20 1.93 0.00	33.59 1.84 0.00	33.93 1.77 0.00	34.32 1.85 0.00	38.51 1.77 -0.34	33.79 1.60 -0.02	45.91 1.74 -1.16	51.20 1.89 -0.69	54.06 1.89 -2.41	54.54 1.81 -0.96	55.42 1.84 -1.67	59.37 1.94 0.00	57.38 2.53 -0.02	67.95 3.31 -0.15	86.60 5.12 0.00	91.52 5.72 0.00	91.95 5.20 0.00	91.14 4.25 0.00	86.07 3.52 0.00	73.73 2.68 0.00	54.60 2.17 -3.42
GOWANUS_GT1_4 24080	49.61 2.67 0.00	37.73 2.22 -1.82	37.40 2.06 0.00	35.20 1.93 0.00	33.59 1.84 0.00	33.93 1.77 0.00	34.32 1.85 0.00	38.51 1.77 -0.34	33.79 1.60 -0.02	45.91 1.74 -1.16	51.20 1.89 -0.69	54.06 1.89 -2.41	54.54 1.81 -0.96	55.42 1.84 -1.67	59.37 1.94 0.00	57.38 2.53 -0.02	67.95 3.31 -0.15	86.60 5.12 0.00	91.52 5.72 0.00	91.95 5.20 0.00	91.14 4.25 0.00	86.07 3.52 0.00	73.73 2.68 0.00	54.60 2.17 -3.42
GOWANUS_GT1_5 24084	49.61 2.67 0.00	37.73 2.22 -1.82	37.40 2.06 0.00	35.20 1.93 0.00	33.59 1.84 0.00	33.93 1.77 0.00	34.32 1.85 0.00	38.51 1.77 -0.34	33.79 1.60 -0.02	45.91 1.74 -1.16	51.20 1.89 -0.69	54.06 1.89 -2.41	54.54 1.81 -0.96	55.42 1.84 -1.67	59.37 1.94 0.00	57.38 2.53 -0.02	67.95 3.31 -0.15	86.60 5.12 0.00	91.52 5.72 0.00	91.95 5.20 0.00	91.14 4.25 0.00	86.07 3.52 0.00	73.73 2.68 0.00	54.60 2.17 -3.42
GOWANUS_GT1_6 24111	49.61 2.67 0.00	37.73 2.22 -1.82	37.40 2.06 0.00	35.20 1.93 0.00	33.59 1.84 0.00	33.93 1.77 0.00	34.32 1.85 0.00	38.51 1.77 -0.34	33.79 1.60 -0.02	45.91 1.74 -1.16	51.20 1.89 -0.69	54.06 1.89 -2.41	54.54 1.81 -0.96	55.42 1.84 -1.67	59.37 1.94 0.00	57.38 2.53 -0.02	67.95 3.31 -0.15	86.60 5.12 0.00	91.52 5.72 0.00	91.95 5.20 0.00	91.14 4.25 0.00	86.07 3.52 0.00	73.73 2.68 0.00	54.60 2.17 -3.42
GOWANUS_GT1_7 24112	49.61 2.67 0.00	37.73 2.22 -1.82	37.40 2.06 0.00	35.20 1.93 0.00	33.59 1.84 0.00	33.93 1.77 0.00	34.32 1.85 0.00	38.51 1.77 -0.34	33.79 1.60 -0.02	45.91 1.74 -1.16	51.20 1.89 -0.69	54.06 1.89 -2.41	54.54 1.81 -0.96	55.42 1.84 -1.67	59.37 1.94 0.00	57.38 2.53 -0.02	67.95 3.31 -0.15	86.60 5.12 0.00	91.52 5.72 0.00	91.95 5.20 0.00	91.14 4.25 0.00	86.07 3.52 0.00	73.73 2.68 0.00	54.60 2.17 -3.42
GOWANUS_GT1_8 24113	49.61 2.67 0.00	37.73 2.22 -1.82	37.40 2.06 0.00	35.20 1.93 0.00	33.59 1.84 0.00	33.93 1.77 0.00	34.32 1.85 0.00	38.51 1.77 -0.34	33.79 1.60 -0.02	45.91 1.74 -1.16	51.20 1.89 -0.69	54.06 1.89 -2.41	54.54 1.81 -0.96	55.42 1.84 -1.67	59.37 1.94 0.00	57.38 2.53 -0.02	67.95 3.31 -0.15	86.60 5.12 0.00	91.52 5.72 0.00	91.95 5.20 0.00	91.14 4.25 0.00	86.07 3.52 0.00	73.73 2.68 0.00	54.60 2.17 -3.42
GOWANUS_GT2_1 24114	49.62 2.67 0.00	37.73 2.23 -1.82	37.40 2.06 0.00	35.19 1.93 0.00	33.59 1.85 0.00	33.93 1.77 0.00	34.32 1.85 0.00	38.51 1.77 -0.34	33.79 1.60 -0.02	45.91 1.74 -1.16	51.20 1.89 -0.69	54.06 1.89 -2.41	54.54 1.81 -0.96	55.42 1.84 -1.67	59.37 1.93 0.00	57.39 2.55 -0.02	67.95 3.31 -0.15	86.48 5.00 0.00	91.52 5.71 0.00	91.95 5.20 0.00	91.14 4.25 0.00	86.07 3.52 0.00	73.75 2.70 0.00	54.61 2.17 -3.42
GOWANUS_GT2_2 24115	49.62 2.67 0.00	37.73 2.23 -1.82	37.40 2.06 0.00	35.19 1.93 0.00	33.59 1.85 0.00	33.93 1.77 0.00	34.32 1.85 0.00	38.51 1.77 -0.34	33.79 1.60 -0.02	45.91 1.74 -1.16	51.20 1.89 -0.69	54.06 1.89 -2.41	54.54 1.81 -0.96	55.42 1.84 -1.67	59.37 1.93 0.00	57.39 2.55 -0.02	67.95 3.31 -0.15	86.48 5.00 0.00	91.52 5.71 0.00	91.95 5.20 0.00	91.14 4.25 0.00	86.07 3.52 0.00	73.75 2.70 0.00	54.61 2.17 -3.42
GOWANUS_GT2_3 24116	49.62 2.67 0.00	37.73 2.23 -1.82	37.40 2.06 0.00	35.19 1.93 0.00	33.59 1.85 0.00	33.93 1.77 0.00	34.32 1.85 0.00	38.51 1.77 -0.34	33.79 1.60 -0.02	45.91 1.74 -1.16	51.20 1.89 -0.69	54.06 1.89 -2.41	54.54 1.81 -0.96	55.42 1.84 -1.67	59.37 1.93 0.00	57.39 2.55 -0.02	67.95 3.31 -0.15	86.48 5.00 0.00	91.52 5.71 0.00	91.95 5.20 0.00	91.14 4.25 0.00	86.07 3.52 0.00	73.75 2.70 0.00	54.61 2.17 -3.42
GOWANUS_GT2_4 24117	49.62 2.67 0.00	37.73 2.23 -1.82	37.40 2.06 0.00	35.19 1.93 0.00	33.59 1.85 0.00	33.93 1.77 0.00	34.32 1.85 0.00	38.51 1.77 -0.34	33.79 1.60 -0.02	45.91 1.74 -1.16	51.20 1.89 -0.69	54.06 1.89 -2.41	54.54 1.81 -0.96	55.42 1.84 -1.67	59.37 1.93 0.00	57.39 2.55 -0.02	67.95 3.31 -0.15	86.48 5.00 0.00	91.52 5.71 0.00	91.95 5.20 0.00	91.14 4.25 0.00	86.07 3.52 0.00	73.75 2.70 0.00	54.61 2.17 -3.42
GOWANUS_GT2_5 24118	49.62 2.67 0.00	37.73 2.23 -1.82	37.40 2.06 0.00	35.19 1.93 0.00	33.59 1.85 0.00	33.93 1.77 0.00	34.32 1.85 0.00	38.51 1.77 -0.34	33.79 1.60 -0.02	45.91 1.74 -1.16	51.20 1.89 -0.69	54.06 1.89 -2.41	54.54 1.81 -0.96	55.42 1.84 -1.67	59.37 1.93 0.00	57.39 2.55 -0.02	67.95 3.31 -0.15	86.48 5.00 0.00	91.52 5.71 0.00	91.95 5.20 0.00	91.14 4.25 0.00	86.07 3.52 0.00	73.75 2.70 0.00	54.61 2.17 -3.42

GOWANUS_GT2_6 24119	49.62 2.67 0.00	37.73 2.23 -1.82	37.40 2.06 0.00	35.19 1.93 0.00	33.59 1.85 0.00	33.93 1.77 0.00	34.32 1.85 0.00	38.51 1.77 -0.34	33.79 1.60 -0.02	45.91 1.74 -1.16	51.20 1.89 -0.69	54.06 1.89 -2.41	54.54 1.81 -0.96	55.42 1.84 -1.67	59.37 1.93 0.00	57.39 2.55 -0.02	67.95 3.31 -0.15	86.48 5.00 0.00	91.52 5.71 0.00	91.95 5.20 0.00	91.14 4.25 0.00	86.07 3.52 0.00	73.75 2.70 0.00	54.61 2.17 -3.42
GOWANUS_GT2_7 24120	49.62 2.67 0.00	37.73 2.23 -1.82	37.40 2.06 0.00	35.19 1.93 0.00	33.59 1.85 0.00	33.93 1.77 0.00	34.32 1.85 0.00	38.51 1.77 -0.34	33.79 1.60 -0.02	45.91 1.74 -1.16	51.20 1.89 -0.69	54.06 1.89 -2.41	54.54 1.81 -0.96	55.42 1.84 -1.67	59.37 1.93 0.00	57.39 2.55 -0.02	67.95 3.31 -0.15	86.48 5.00 0.00	91.52 5.71 0.00	91.95 5.20 0.00	91.14 4.25 0.00	86.07 3.52 0.00	73.75 2.70 0.00	54.61 2.17 -3.42
GOWANUS_GT2_8 24121	49.62 2.67 0.00	37.73 2.23 -1.82	37.40 2.06 0.00	35.19 1.93 0.00	33.59 1.85 0.00	33.93 1.77 0.00	34.32 1.85 0.00	38.51 1.77 -0.34	33.79 1.60 -0.02	45.91 1.74 -1.16	51.20 1.89 -0.69	54.06 1.89 -2.41	54.54 1.81 -0.96	55.42 1.84 -1.67	59.37 1.93 0.00	57.39 2.55 -0.02	67.95 3.31 -0.15	86.48 5.00 0.00	91.52 5.71 0.00	91.95 5.20 0.00	91.14 4.25 0.00	86.07 3.52 0.00	73.75 2.70 0.00	54.61 2.17 -3.42
GOWANUS_GT3_1 24122	49.62 2.67 0.00	37.73 2.23 -1.82	37.40 2.06 0.00	35.19 1.93 0.00	33.59 1.85 0.00	33.93 1.77 0.00	34.32 1.85 0.00	38.51 1.77 -0.34	33.79 1.60 -0.02	45.91 1.74 -1.16	51.20 1.89 -0.69	54.06 1.89 -2.41	54.54 1.81 -0.96	55.42 1.84 -1.67	59.37 1.93 0.00	57.39 2.55 -0.02	67.95 3.31 -0.15	86.48 5.00 0.00	91.52 5.71 0.00	91.95 5.20 0.00	91.14 4.25 0.00	86.07 3.52 0.00	73.75 2.70 0.00	54.61 2.17 -3.42
GOWANUS_GT3_2 24123	49.62 2.67 0.00	37.73 2.23 -1.82	37.40 2.06 0.00	35.19 1.93 0.00	33.59 1.85 0.00	33.93 1.77 0.00	34.32 1.85 0.00	38.51 1.77 -0.34	33.79 1.60 -0.02	45.91 1.74 -1.16	51.20 1.89 -0.69	54.06 1.89 -2.41	54.54 1.81 -0.96	55.42 1.84 -1.67	59.37 1.93 0.00	57.39 2.55 -0.02	67.95 3.31 -0.15	86.48 5.00 0.00	91.52 5.71 0.00	91.95 5.20 0.00	91.14 4.25 0.00	86.07 3.52 0.00	73.75 2.70 0.00	54.61 2.17 -3.42
GOWANUS_GT3_3 24124	49.62 2.67 0.00	37.73 2.23 -1.82	37.40 2.06 0.00	35.19 1.93 0.00	33.59 1.85 0.00	33.93 1.77 0.00	34.32 1.85 0.00	38.51 1.77 -0.34	33.79 1.60 -0.02	45.91 1.74 -1.16	51.20 1.89 -0.69	54.06 1.89 -2.41	54.54 1.81 -0.96	55.42 1.84 -1.67	59.37 1.93 0.00	57.39 2.55 -0.02	67.95 3.31 -0.15	86.48 5.00 0.00	91.52 5.71 0.00	91.95 5.20 0.00	91.14 4.25 0.00	86.07 3.52 0.00	73.75 2.70 0.00	54.61 2.17 -3.42
GOWANUS_GT3_4 24125	49.62 2.67 0.00	37.73 2.23 -1.82	37.40 2.06 0.00	35.19 1.93 0.00	33.59 1.85 0.00	33.93 1.77 0.00	34.32 1.85 0.00	38.51 1.77 -0.34	33.79 1.60 -0.02	45.91 1.74 -1.16	51.20 1.89 -0.69	54.06 1.89 -2.41	54.54 1.81 -0.96	55.42 1.84 -1.67	59.37 1.93 0.00	57.39 2.55 -0.02	67.95 3.31 -0.15	86.48 5.00 0.00	91.52 5.71 0.00	91.95 5.20 0.00	91.14 4.25 0.00	86.07 3.52 0.00	73.75 2.70 0.00	54.61 2.17 -3.42
GOWANUS_GT3_5 24126	49.62 2.67 0.00	37.73 2.23 -1.82	37.40 2.06 0.00	35.19 1.93 0.00	33.59 1.85 0.00	33.93 1.77 0.00	34.32 1.85 0.00	38.51 1.77 -0.34	33.79 1.60 -0.02	45.91 1.74 -1.16	51.20 1.89 -0.69	54.06 1.89 -2.41	54.54 1.81 -0.96	55.42 1.84 -1.67	59.37 1.93 0.00	57.39 2.55 -0.02	67.95 3.31 -0.15	86.48 5.00 0.00	91.52 5.71 0.00	91.95 5.20 0.00	91.14 4.25 0.00	86.07 3.52 0.00	73.75 2.70 0.00	54.61 2.17 -3.42
GOWANUS_GT3_6 24127	49.62 2.67 0.00	37.73 2.23 -1.82	37.40 2.06 0.00	35.19 1.93 0.00	33.59 1.85 0.00	33.93 1.77 0.00	34.32 1.85 0.00	38.51 1.77 -0.34	33.79 1.60 -0.02	45.91 1.74 -1.16	51.20 1.89 -0.69	54.06 1.89 -2.41	54.54 1.81 -0.96	55.42 1.84 -1.67	59.37 1.93 0.00	57.39 2.55 -0.02	67.95 3.31 -0.15	86.48 5.00 0.00	91.52 5.71 0.00	91.95 5.20 0.00	91.14 4.25 0.00	86.07 3.52 0.00	73.75 2.70 0.00	54.61 2.17 -3.42
GOWANUS_GT3_7 24128	49.62 2.67 0.00	37.73 2.23 -1.82	37.40 2.06 0.00	35.19 1.93 0.00	33.59 1.85 0.00	33.93 1.77 0.00	34.32 1.85 0.00	38.51 1.77 -0.34	33.79 1.60 -0.02	45.91 1.74 -1.16	51.20 1.89 -0.69	54.06 1.89 -2.41	54.54 1.81 -0.96	55.42 1.84 -1.67	59.37 1.93 0.00	57.39 2.55 -0.02	67.95 3.31 -0.15	86.48 5.00 0.00	91.52 5.71 0.00	91.95 5.20 0.00	91.14 4.25 0.00	86.07 3.52 0.00	73.75 2.70 0.00	54.61 2.17 -3.42
GOWANUS_GT3_8 24129	49.62 2.67 0.00	37.73 2.23 -1.82	37.40 2.06 0.00	35.19 1.93 0.00	33.59 1.85 0.00	33.93 1.77 0.00	34.32 1.85 0.00	38.51 1.77 -0.34	33.79 1.60 -0.02	45.91 1.74 -1.16	51.20 1.89 -0.69	54.06 1.89 -2.41	54.54 1.81 -0.96	55.42 1.84 -1.67	59.37 1.93 0.00	57.39 2.55 -0.02	67.95 3.31 -0.15	86.48 5.00 0.00	91.52 5.71 0.00	91.95 5.20 0.00	91.14 4.25 0.00	86.07 3.52 0.00	73.75 2.70 0.00	54.61 2.17 -3.42
GOWANUS_GT4_1 24130	49.61 2.67 0.00	37.73 2.22 -1.82	37.40 2.06 0.00	35.20 1.93 0.00	33.59 1.84 0.00	33.93 1.77 0.00	34.32 1.85 0.00	38.51 1.77 -0.34	33.79 1.60 -0.02	45.91 1.74 -1.16	51.20 1.89 -0.69	54.06 1.89 -2.41	54.54 1.81 -0.96	55.42 1.84 -1.67	59.37 1.94 0.00	57.38 2.53 -0.02	67.95 3.31 -0.15	86.60 5.12 0.00	91.52 5.72 0.00	91.95 5.20 0.00	91.14 4.25 0.00	86.07 3.52 0.00	73.73 2.68 0.00	54.60 2.17 -3.42
GOWANUS_GT4_2 24131	49.61 2.67 0.00	37.73 2.22 -1.82	37.40 2.06 0.00	35.20 1.93 0.00	33.59 1.84 0.00	33.93 1.77 0.00	34.32 1.85 0.00	38.51 1.77 -0.34	33.79 1.60 -0.02	45.91 1.74 -1.16	51.20 1.89 -0.69	54.06 1.89 -2.41	54.54 1.81 -0.96	55.42 1.84 -1.67	59.37 1.94 0.00	57.38 2.53 -0.02	67.95 3.31 -0.15	86.60 5.12 0.00	91.52 5.72 0.00	91.95 5.20 0.00	91.14 4.25 0.00	86.07 3.52 0.00	73.73 2.68 0.00	54.60 2.17 -3.42
GOWANUS_GT4_3 24132	49.61 2.67 0.00	37.73 2.22 -1.82	37.40 2.06 0.00	35.20 1.93 0.00	33.59 1.84 0.00	33.93 1.77 0.00	34.32 1.85 0.00	38.51 1.77 -0.34	33.79 1.60 -0.02	45.91 1.74 -1.16	51.20 1.89 -0.69	54.06 1.89 -2.41	54.54 1.81 -0.96	55.42 1.84 -1.67	59.37 1.94 0.00	57.38 2.53 -0.02	67.95 3.31 -0.15	86.60 5.12 0.00	91.52 5.72 0.00	91.95 5.20 0.00	91.14 4.25 0.00	86.07 3.52 0.00	73.73 2.68 0.00	54.60 2.17 -3.42
GOWANUS_GT4_4 24133	49.61 2.67 0.00	37.73 2.22 -1.82	37.40 2.06 0.00	35.20 1.93 0.00	33.59 1.84 0.00	33.93 1.77 0.00	34.32 1.85 0.00	38.51 1.77 -0.34	33.79 1.60 -0.02	45.91 1.74 -1.16	51.20 1.89 -0.69	54.06 1.89 -2.41	54.54 1.81 -0.96	55.42 1.84 -1.67	59.37 1.94 0.00	57.38 2.53 -0.02	67.95 3.31 -0.15	86.60 5.12 0.00	91.52 5.72 0.00	91.95 5.20 0.00	91.14 4.25 0.00	86.07 3.52 0.00	73.73 2.68 0.00	54.60 2.17 -3.42

GOWANUS_GT4_5 24134	49.61 2.67 0.00	37.73 2.22 -1.82	37.40 2.06 0.00	35.20 1.93 0.00	33.59 1.84 0.00	33.93 1.77 0.00	34.32 1.85 0.00	38.51 1.77 -0.34	33.79 1.60 -0.02	45.91 1.74 -1.16	51.20 1.89 -0.69	54.06 1.89 -2.41	54.54 1.81 -0.96	55.42 1.84 -1.67	59.37 1.94 0.00	57.38 2.53 -0.02	67.95 3.31 -0.15	86.60 5.12 0.00	91.52 5.72 0.00	91.95 5.20 0.00	91.14 4.25 0.00	86.07 3.52 0.00	73.73 2.68 0.00	54.60 2.17 -3.42
GOWANUS_GT4_6 24135	49.61 2.67 0.00	37.73 2.22 -1.82	37.40 2.06 0.00	35.20 1.93 0.00	33.59 1.84 0.00	33.93 1.77 0.00	34.32 1.85 0.00	38.51 1.77 -0.34	33.79 1.60 -0.02	45.91 1.74 -1.16	51.20 1.89 -0.69	54.06 1.89 -2.41	54.54 1.81 -0.96	55.42 1.84 -1.67	59.37 1.94 0.00	57.38 2.53 -0.02	67.95 3.31 -0.15	86.60 5.12 0.00	91.52 5.72 0.00	91.95 5.20 0.00	91.14 4.25 0.00	86.07 3.52 0.00	73.73 2.68 0.00	54.60 2.17 -3.42
GOWANUS_GT4_7 24136	49.61 2.67 0.00	37.73 2.22 -1.82	37.40 2.06 0.00	35.20 1.93 0.00	33.59 1.84 0.00	33.93 1.77 0.00	34.32 1.85 0.00	38.51 1.77 -0.34	33.79 1.60 -0.02	45.91 1.74 -1.16	51.20 1.89 -0.69	54.06 1.89 -2.41	54.54 1.81 -0.96	55.42 1.84 -1.67	59.37 1.94 0.00	57.38 2.53 -0.02	67.95 3.31 -0.15	86.60 5.12 0.00	91.52 5.72 0.00	91.95 5.20 0.00	91.14 4.25 0.00	86.07 3.52 0.00	73.73 2.68 0.00	54.60 2.17 -3.42
GOWANUS_GT4_8 24137	49.61 2.67 0.00	37.73 2.22 -1.82	37.40 2.06 0.00	35.20 1.93 0.00	33.59 1.84 0.00	33.93 1.77 0.00	34.32 1.85 0.00	38.51 1.77 -0.34	33.79 1.60 -0.02	45.91 1.74 -1.16	51.20 1.89 -0.69	54.06 1.89 -2.41	54.54 1.81 -0.96	55.42 1.84 -1.67	59.37 1.94 0.00	57.38 2.53 -0.02	67.95 3.31 -0.15	86.60 5.12 0.00	91.52 5.72 0.00	91.95 5.20 0.00	91.14 4.25 0.00	86.07 3.52 0.00	73.73 2.68 0.00	54.60 2.17 -3.42
GREATVR_69_KV_BK1 356245	50.19 3.25 0.00	38.12 2.62 -1.82	37.78 2.44 0.00	35.49 2.22 0.00	33.83 2.09 0.00	34.11 1.96 0.00	34.50 2.03 0.00	38.44 1.70 -0.34	33.58 1.39 -0.02	45.71 1.54 -1.16	52.27 2.95 -0.69	54.76 2.58 -2.41	55.38 2.65 -0.96	56.35 2.77 -1.67	60.10 2.67 0.01	58.63 3.79 -0.02	67.50 4.25 1.25	84.99 7.30 3.79	88.18 6.54 4.16	89.70 5.84 2.89	91.83 4.94 0.00	86.90 4.35 0.00	73.45 2.92 0.51	54.26 2.38 -2.86
GREENBSH_115KV_TB3 55895	46.73 -0.21 0.00	32.36 0.09 1.41	35.54 0.20 0.00	33.52 0.25 0.00	32.14 0.40 0.00	32.53 0.38 0.00	32.83 0.36 0.00	36.22 0.09 0.27	32.04 -0.11 0.02	41.41 -0.71 0.90	47.22 -0.86 0.54	46.97 -0.93 1.87	49.96 -1.06 0.75	49.64 -0.98 1.30	56.41 -1.03 0.00	54.11 -0.69 0.02	63.76 -0.62 0.12	81.49 0.01 0.00	86.38 0.58 0.00	87.12 0.38 0.00	86.52 -0.38 0.00	81.99 -0.56 0.00	70.33 -0.72 0.00	45.96 -0.42 2.65
GREENDGE_115KV_TB5 80291	48.38 1.44 0.00	34.71 1.03 0.00	36.37 1.03 0.00	34.16 0.89 0.00	32.51 0.77 0.00	32.85 0.70 0.00	33.26 0.79 0.00	37.52 1.12 0.00	33.43 1.27 0.00	44.66 1.65 0.00	50.39 1.77 0.00	51.53 1.76 0.00	53.74 1.98 0.00	53.93 2.01 0.00	60.03 2.59 0.00	57.19 2.37 0.00	67.60 3.11 0.00	84.06 2.58 0.00	89.75 3.94 0.00	90.52 3.78 0.00	90.77 3.88 0.00	86.10 3.55 0.00	74.73 3.67 0.00	51.71 2.68 0.00
GREENIDGE___3 23582	48.38 1.44 0.00	34.71 1.03 0.00	36.37 1.03 0.00	34.16 0.89 0.00	32.51 0.77 0.00	32.85 0.70 0.00	33.26 0.79 0.00	37.52 1.12 0.00	33.43 1.27 0.00	44.66 1.65 0.00	50.39 1.77 0.00	51.53 1.76 0.00	53.74 1.98 0.00	53.93 2.01 0.00	60.03 2.59 0.00	57.19 2.37 0.00	67.60 3.11 0.00	84.06 2.58 0.00	89.75 3.94 0.00	90.52 3.78 0.00	90.77 3.88 0.00	86.10 3.55 0.00	74.73 3.67 0.00	51.71 2.68 0.00
GREENIDGE___4 23583	48.38 1.44 0.00	34.71 1.03 0.00	36.37 1.03 0.00	34.16 0.89 0.00	32.51 0.77 0.00	32.86 0.70 0.00	33.26 0.79 0.00	37.52 1.12 0.00	33.43 1.26 0.00	44.66 1.65 0.00	50.39 1.77 0.00	51.53 1.76 0.00	53.75 1.98 0.00	53.92 2.01 0.00	60.04 2.59 0.00	57.19 2.37 0.00	67.60 3.11 0.00	84.25 2.77 0.00	89.80 4.00 0.00	90.57 3.83 0.00	90.81 3.91 0.00	86.10 3.55 0.00	74.72 3.66 0.00	51.71 2.68 0.00
GREENLWN_69_KV_BK 3 55738	49.21 2.27 0.00	37.40 1.90 -1.82	37.07 1.74 0.00	34.83 1.56 0.00	33.22 1.48 0.00	33.53 1.38 0.00	33.90 1.43 0.00	37.74 1.00 -0.34	32.87 0.68 -0.02	44.73 0.55 -1.16	51.13 1.82 -0.69	53.51 1.33 -2.41	53.91 1.18 -0.96	54.85 1.27 -1.67	58.13 0.71 0.03	56.55 1.71 -0.02	63.15 1.81 3.15	78.96 4.16 6.68	80.58 3.48 8.71	82.35 2.90 7.29	88.98 2.09 0.00	84.21 1.67 0.00	71.15 0.62 0.52	52.71 0.83 -2.86
GREENWD_138_KV_38B11_REV_LBMP_J 345004	49.61 2.67 0.00	37.73 2.22 -1.82	37.40 2.06 0.00	35.20 1.93 0.00	33.59 1.84 0.00	33.93 1.77 0.00	34.32 1.85 0.00	38.51 1.77 -0.34	33.79 1.60 -0.02	45.91 1.74 -1.16	51.20 1.89 -0.69	54.06 1.89 -2.41	54.54 1.81 -0.96	55.42 1.84 -1.67	59.37 1.94 0.00	57.38 2.53 -0.02	67.95 3.31 -0.15	86.60 5.12 0.00	91.52 5.72 0.00	91.95 5.20 0.00	91.14 4.25 0.00	86.07 3.52 0.00	73.73 2.68 0.00	54.60 2.17 -3.42
GRISSOM___SOLAR 323813	50.10 3.16 0.00	34.76 2.15 1.08	37.62 2.28 0.00	35.39 2.12 0.00	33.70 1.95 0.00	34.09 1.93 0.00	34.41 1.94 0.00	38.12 1.92 0.20	33.40 1.25 0.01	43.57 1.24 0.69	49.66 1.46 0.41	50.15 1.81 1.43	52.82 1.62 0.57	52.84 1.92 0.99	59.12 1.69 0.00	56.90 2.09 0.01	67.81 3.40 0.09	86.00 4.52 0.00	91.69 5.88 0.00	93.85 7.10 0.00	94.06 7.16 0.00	88.99 6.44 0.00	76.35 5.30 0.00	50.54 3.54 2.02
GROVEVILLE___HYD 323602	49.52 2.58 0.00	37.16 2.01 -1.47	37.31 1.97 0.00	35.12 1.86 0.00	33.53 1.79 0.00	33.91 1.75 0.00	34.28 1.81 0.00	38.41 1.74 -0.28	33.70 1.52 -0.02	45.70 1.75 -0.94	51.23 2.05 -0.56	53.86 2.15 -1.94	54.74 2.19 -0.78	55.55 2.29 -1.35	60.01 2.57 0.00	57.83 3.00 -0.02	68.51 3.90 -0.12	87.33 5.85 0.00	92.43 6.61 0.00	92.86 6.11 0.00	92.03 5.14 0.00	86.93 4.38 0.00	74.37 3.32 0.00	54.14 2.36 -2.76
GRS_LOCK_115KV_LINE_2_SOLVAY 80269	47.37 0.21 -0.23	33.74 0.06 0.00	35.38 0.04 0.00	33.29 0.02 0.00	31.74 0.00 0.00	32.10 -0.05 0.00	32.44 -0.03 0.00	36.42 0.03 0.00	32.22 0.06 0.00	43.03 0.02 0.00	48.66 0.05 0.00	50.00 0.23 0.00	52.25 0.48 0.00	52.38 0.47 0.00	58.15 0.63 -0.08	55.45 0.61 -0.02	65.47 0.89 -0.08	85.30 1.08 -2.73	89.98 1.52 -2.65	88.21 1.31 -0.15	88.86 1.05 -0.92	84.87 0.82 -1.50	72.84 0.59 -1.20	49.44 0.41 0.00
HAMLTNNY_34_KV_TB 80303	48.07 0.92 -0.21	34.25 0.56 0.00	35.91 0.57 0.00	33.76 0.49 0.00	32.16 0.42 0.00	32.47 0.31 0.00	32.84 0.37 0.00	36.93 0.53 0.00	32.76 0.60 0.00	43.71 0.69 0.00	49.52 0.90 0.00	50.91 1.14 0.00	53.23 1.46 0.00	53.35 1.44 0.00	59.32 1.80 -0.08	56.44 1.61 -0.02	66.56 1.98 -0.08	86.51 2.47 -2.56	91.34 3.04 -2.49	89.80 2.91 -0.14	90.46 2.71 -0.86	86.38 2.43 -1.41	74.23 2.06 -1.12	50.52 1.49 0.00

HAMPSHIRE___PAPER_HYD 323593	47.77 0.74 -0.08	33.83 0.14 0.00	35.25 -0.09 0.00	33.25 -0.02 0.00	31.77 0.02 0.00	32.37 0.21 0.00	32.58 0.11 0.00	36.60 0.20 0.00	32.39 0.22 0.00	43.63 0.62 0.00	49.38 0.76 0.00	50.37 0.60 0.00	52.82 1.06 0.00	52.35 0.44 0.00	57.71 0.24 -0.03	55.40 0.57 -0.01	64.55 0.03 -0.03	83.41 0.90 -1.03	87.73 0.93 -1.00	89.29 2.48 -0.06	90.56 3.32 -0.34	85.62 2.51 -0.57	73.16 1.66 -0.45	50.14 1.11 0.00
HARDSCRABBLE_WT_PWR 323673	47.45 0.51 0.00	34.32 0.63 0.00	36.10 0.77 0.00	34.06 0.79 0.00	32.64 0.90 0.00	32.99 0.83 0.00	33.28 0.81 0.00	36.91 0.51 0.00	32.13 -0.03 0.00	42.33 -0.69 0.00	47.74 -0.88 0.00	49.02 -0.74 0.00	50.74 -1.03 0.00	50.93 -0.98 0.00	56.51 -0.93 0.00	54.48 -0.34 0.00	64.35 -0.15 0.00	82.70 1.22 0.00	88.54 2.73 0.00	89.72 2.97 0.00	89.34 2.45 0.00	84.49 1.94 0.00	72.28 1.23 0.00	49.62 0.60 0.00
HARRIMAN_69_KV_BK771_REV_LBMP_G 345025	49.37 2.44 0.00	37.15 1.88 -1.59	37.14 1.80 0.00	34.96 1.69 0.00	33.36 1.62 0.00	33.73 1.58 0.00	34.12 1.65 0.00	38.28 1.58 -0.30	33.58 1.40 -0.02	45.62 1.59 -1.02	51.09 1.87 -0.60	53.86 2.00 -2.10	54.70 2.09 -0.84	55.59 2.22 -1.46	59.85 2.41 0.00	57.68 2.84 -0.02	68.37 3.74 -0.13	87.09 5.62 0.00	92.11 6.30 0.00	92.52 5.77 0.00	91.75 4.85 0.00	86.66 4.11 0.00	74.17 3.12 0.00	54.21 2.21 -2.98
HARSNRAD_115KV_TB1 81005	48.12 1.18 0.00	34.15 0.46 0.00	35.78 0.44 0.00	33.56 0.30 0.00	31.76 0.02 0.00	31.84 -0.32 0.00	32.35 -0.12 0.00	36.93 0.53 0.00	33.39 1.22 0.00	45.04 2.02 0.00	50.97 2.35 0.00	52.69 2.93 0.00	54.98 3.21 0.00	54.65 2.74 0.00	60.44 3.00 0.00	56.47 1.66 0.00	66.54 2.04 0.00	82.21 0.73 0.00	88.94 3.13 0.00	89.46 2.72 0.00	90.15 3.26 0.00	85.51 2.96 0.00	74.82 3.77 0.00	52.21 3.19 0.00
HARZA MOOSE___RIVER 24016	48.36 1.36 -0.06	34.38 0.70 0.00	35.89 0.56 0.00	33.89 0.63 0.00	32.41 0.66 0.00	32.95 0.80 0.00	33.18 0.71 0.00	37.18 0.79 0.00	32.86 0.69 0.00	44.10 1.09 0.00	49.95 1.33 0.00	51.00 1.23 0.00	53.44 1.68 0.00	53.03 1.12 0.00	58.66 1.20 -0.02	56.68 1.85 0.00	66.17 1.65 -0.02	85.63 3.44 -0.72	90.79 4.29 -0.69	91.74 4.95 -0.04	92.19 5.06 -0.24	86.78 3.84 -0.39	74.02 2.66 -0.31	50.84 1.82 0.00
HDSNBRDG_115KV_BRDG_TB1 355580	46.98 0.04 0.00	33.65 -0.03 0.00	35.29 -0.05 0.00	33.20 -0.07 0.00	31.66 -0.08 0.00	32.01 -0.15 0.00	32.36 -0.12 0.00	36.31 -0.08 0.00	32.15 -0.02 0.00	42.97 -0.05 0.00	48.58 -0.04 0.00	49.90 0.13 0.00	52.10 0.33 0.00	52.23 0.32 0.00	57.88 0.45 0.00	55.23 0.41 0.00	65.13 0.63 0.00	82.34 0.87 0.00	87.09 1.28 0.00	87.80 1.05 0.00	87.66 0.77 0.00	83.07 0.52 0.00	71.40 0.35 0.00	49.31 0.29 0.00
HELLGATE_13_KV_LD 55870	49.79 2.85 0.00	37.87 2.37 -1.82	37.57 2.23 0.00	35.36 2.09 0.00	33.74 2.00 0.00	34.09 1.93 0.00	34.48 2.02 0.00	38.68 1.94 -0.34	33.95 1.76 -0.02	46.15 1.97 -1.16	51.51 2.19 -0.69	54.35 2.18 -2.41	54.86 2.13 -0.96	55.76 2.18 -1.67	59.79 2.36 0.00	57.77 2.93 -0.02	68.36 3.71 -0.15	87.12 5.64 0.00	92.04 6.23 0.00	92.43 5.68 0.00	91.61 4.72 0.00	86.58 4.03 0.00	74.11 3.06 0.00	54.80 2.36 -3.41
HELLGT_W_13_KV_BRUCKNER_REV_LBMP_J 345018	49.79 2.85 0.00	37.87 2.37 -1.82	37.57 2.23 0.00	35.36 2.09 0.00	33.74 2.00 0.00	34.09 1.93 0.00	34.48 2.02 0.00	38.68 1.94 -0.34	33.95 1.76 -0.02	46.15 1.97 -1.16	51.51 2.19 -0.69	54.35 2.18 -2.41	54.86 2.13 -0.96	55.76 2.18 -1.67	59.79 2.36 0.00	57.77 2.93 -0.02	68.36 3.71 -0.15	87.12 5.64 0.00	92.04 6.23 0.00	92.43 5.68 0.00	91.61 4.72 0.00	86.58 4.03 0.00	74.11 3.06 0.00	54.80 2.36 -3.41
HEMPSTEAD___ 23647	49.39 2.45 0.00	37.54 2.04 -1.82	37.22 1.88 0.00	34.99 1.72 0.00	33.38 1.63 0.00	33.70 1.54 0.00	34.07 1.60 0.00	38.10 1.36 -0.34	33.29 1.10 -0.02	45.33 1.16 -1.16	51.33 2.02 -0.69	53.94 1.77 -2.41	54.52 1.79 -0.96	55.43 1.85 -1.67	59.07 1.63 0.00	57.30 2.45 -0.02	67.61 2.97 -0.15	86.11 4.63 0.00	90.77 4.96 0.00	91.22 4.48 0.00	90.54 3.65 0.00	85.71 3.15 0.00	72.83 2.03 0.25	53.90 1.73 -3.15
HICKLING___1 23621	47.91 0.97 0.00	34.30 0.62 0.00	35.97 0.63 0.00	33.79 0.52 0.00	32.22 0.48 0.00	32.63 0.47 0.00	33.02 0.55 0.00	37.21 0.81 0.00	33.14 0.98 0.00	44.32 1.30 0.00	49.96 1.34 0.00	51.41 1.64 0.00	53.76 2.00 0.00	53.68 1.78 0.00	59.71 2.27 0.00	56.94 2.12 0.00	67.19 2.69 0.00	84.89 3.41 0.00	90.29 4.48 0.00	91.14 4.40 0.00	91.14 4.25 0.00	86.18 3.63 0.00	74.44 3.39 0.00	51.39 2.36 0.00
HICKLING___2 23622	47.91 0.97 0.00	34.30 0.62 0.00	35.97 0.63 0.00	33.79 0.52 0.00	32.22 0.48 0.00	32.63 0.47 0.00	33.02 0.55 0.00	37.21 0.81 0.00	33.14 0.98 0.00	44.32 1.30 0.00	49.96 1.34 0.00	51.41 1.64 0.00	53.76 2.00 0.00	53.68 1.78 0.00	59.71 2.27 0.00	56.94 2.12 0.00	67.19 2.69 0.00	84.89 3.41 0.00	90.29 4.48 0.00	91.14 4.40 0.00	91.14 4.25 0.00	86.18 3.63 0.00	74.44 3.39 0.00	51.39 2.36 0.00
HIGH FALLS___HY 23754	49.78 2.83 0.00	36.78 2.12 -0.98	37.38 2.04 0.00	35.16 1.89 0.00	33.55 1.81 0.00	33.91 1.75 0.00	34.30 1.82 0.00	38.39 1.81 -0.18	33.78 1.61 -0.01	45.57 1.93 -0.63	51.22 2.22 -0.37	53.56 2.49 -1.30	54.85 2.57 -0.52	55.33 2.52 -0.90	60.33 2.90 0.00	57.96 3.13 -0.01	68.88 4.30 -0.08	87.71 6.23 0.00	92.84 7.03 0.00	93.35 6.61 0.00	92.64 5.74 0.00	87.48 4.93 0.00	74.82 3.77 0.00	53.46 2.60 -1.85
HIGH_RIVER___SOLAR 323847	48.92 1.98 0.00	33.97 1.44 1.16	36.91 1.58 0.00	34.77 1.50 0.00	33.14 1.40 0.00	33.54 1.38 0.00	33.85 1.38 0.00	37.51 1.34 0.22	32.91 0.75 0.01	42.69 0.41 0.74	48.62 0.44 0.44	48.69 0.46 1.54	51.43 0.28 0.62	51.70 0.86 1.07	58.04 0.60 0.00	55.35 0.54 0.02	65.74 1.34 0.09	84.03 2.55 0.00	89.95 4.14 0.00	91.29 4.54 0.00	91.27 4.37 0.00	86.42 3.87 0.00	74.18 3.13 0.00	48.99 2.14 2.18
HILLBURN___GT 23639	49.20 2.25 0.00	37.11 1.78 -1.64	37.00 1.67 0.00	34.84 1.57 0.00	33.26 1.51 0.00	33.63 1.47 0.00	34.01 1.55 0.00	38.16 1.45 -0.31	33.46 1.27 -0.02	45.48 1.41 -1.05	50.92 1.68 -0.62	53.69 1.76 -2.17	54.39 1.76 -0.87	55.26 1.84 -1.50	59.44 2.00 0.00	57.34 2.50 -0.02	67.96 3.33 -0.13	86.43 4.95 0.00	91.52 5.71 0.00	91.96 5.21 0.00	91.17 4.28 0.00	86.10 3.55 0.00	73.73 2.68 0.00	54.04 1.93 -3.08
HILLSIDE_115KV_TB1 80332	47.03 0.09 0.00	33.73 0.05 0.00	35.41 0.07 0.00	33.26 -0.01 0.00	31.76 0.01 0.00	32.17 0.02 0.00	32.55 0.08 0.00	36.64 0.24 0.00	32.50 0.34 0.00	43.41 0.39 0.00	48.96 0.34 0.00	50.40 0.63 0.00	52.67 0.91 0.00	52.54 0.63 0.00	58.42 0.98 0.00	55.90 1.08 0.00	65.79 1.29 0.00	83.27 1.79 0.00	88.53 2.72 0.00	89.22 2.48 0.00	89.05 2.15 0.00	84.26 1.71 0.00	72.81 1.76 0.00	50.27 1.25 0.00

HISHELDN_WT_PWR 323625	48.11 1.17 0.00	34.24 0.55 0.00	35.90 0.56 0.00	33.73 0.46 0.00	31.99 0.24 0.00	32.19 0.03 0.00	32.65 0.18 0.00	37.11 0.72 0.00	33.54 1.37 0.00	45.20 2.18 0.00	50.93 2.31 0.00	52.42 2.65 0.00	54.72 2.96 0.00	54.52 2.61 0.00	60.72 3.28 0.00	56.86 2.04 0.00	67.17 2.67 0.00	84.01 2.53 0.00	90.10 4.30 0.00	90.84 4.09 0.00	91.53 4.63 0.00	86.80 4.25 0.00	75.56 4.51 0.00	52.53 3.50 0.00
HOLTSVILLE_IC_1 23690	49.24 2.29 0.00	37.49 1.99 -1.82	37.17 1.83 0.00	34.90 1.63 0.00	33.29 1.54 0.00	33.58 1.43 0.00	33.95 1.49 0.00	37.80 1.06 -0.34	32.99 0.81 -0.02	44.86 0.68 -1.16	51.27 1.96 -0.69	53.66 1.49 -2.41	54.13 1.40 -0.96	55.08 1.51 -1.67	58.59 1.16 0.01	57.08 2.24 -0.02	65.76 2.35 1.09	82.20 4.40 3.68	86.25 4.27 3.83	87.98 3.74 2.50	89.74 2.85 0.00	84.99 2.45 0.00	71.76 1.24 0.54	53.07 1.21 -2.84
HOLTSVILLE_IC_10 23699	49.51 2.56 0.00	37.67 2.17 -1.82	37.33 2.00 0.00	35.06 1.79 0.00	33.43 1.69 0.00	33.72 1.57 0.00	34.10 1.63 0.00	37.96 1.22 -0.34	33.16 0.97 -0.02	45.11 0.93 -1.16	51.57 2.26 -0.69	54.00 1.83 -2.41	54.57 1.84 -0.96	55.54 1.97 -1.67	59.12 1.70 0.01	57.62 2.78 -0.02	66.04 2.95 1.41	82.52 5.16 4.13	86.35 5.12 4.59	88.04 4.54 3.25	90.52 3.63 0.00	85.78 3.23 0.00	72.39 1.87 0.53	53.45 1.58 -2.85
HOLTSVILLE_IC_2 23691	49.24 2.29 0.00	37.49 1.99 -1.82	37.17 1.83 0.00	34.90 1.63 0.00	33.29 1.54 0.00	33.58 1.43 0.00	33.95 1.49 0.00	37.80 1.06 -0.34	32.99 0.81 -0.02	44.86 0.68 -1.16	51.27 1.96 -0.69	53.66 1.49 -2.41	54.13 1.40 -0.96	55.08 1.51 -1.67	58.59 1.16 0.01	57.08 2.24 -0.02	65.76 2.35 1.09	82.20 4.40 3.68	86.25 4.27 3.83	87.98 3.74 2.50	89.74 2.85 0.00	84.99 2.45 0.00	71.76 1.24 0.54	53.07 1.21 -2.84
HOLTSVILLE_IC_3 23692	49.24 2.29 0.00	37.49 1.99 -1.82	37.17 1.83 0.00	34.90 1.63 0.00	33.29 1.54 0.00	33.58 1.43 0.00	33.95 1.49 0.00	37.80 1.06 -0.34	32.99 0.81 -0.02	44.86 0.68 -1.16	51.27 1.96 -0.69	53.66 1.49 -2.41	54.13 1.40 -0.96	55.08 1.51 -1.67	58.59 1.16 0.01	57.08 2.24 -0.02	65.76 2.35 1.09	82.20 4.40 3.68	86.25 4.27 3.83	87.98 3.74 2.50	89.74 2.85 0.00	84.99 2.45 0.00	71.76 1.24 0.54	53.07 1.21 -2.84
HOLTSVILLE_IC_4 23693	49.24 2.29 0.00	37.49 1.99 -1.82	37.17 1.83 0.00	34.90 1.63 0.00	33.29 1.54 0.00	33.58 1.43 0.00	33.95 1.49 0.00	37.80 1.06 -0.34	32.99 0.81 -0.02	44.86 0.68 -1.16	51.27 1.96 -0.69	53.66 1.49 -2.41	54.13 1.40 -0.96	55.08 1.51 -1.67	58.59 1.16 0.01	57.08 2.24 -0.02	65.76 2.35 1.09	82.20 4.40 3.68	86.25 4.27 3.83	87.98 3.74 2.50	89.74 2.85 0.00	84.99 2.45 0.00	71.76 1.24 0.54	53.07 1.21 -2.84
HOLTSVILLE_IC_5 23694	49.24 2.29 0.00	37.49 1.99 -1.82	37.17 1.83 0.00	34.90 1.63 0.00	33.29 1.54 0.00	33.58 1.43 0.00	33.95 1.49 0.00	37.80 1.06 -0.34	32.99 0.81 -0.02	44.86 0.68 -1.16	51.27 1.96 -0.69	53.66 1.49 -2.41	54.13 1.40 -0.96	55.08 1.51 -1.67	58.59 1.16 0.01	57.08 2.24 -0.02	65.76 2.35 1.09	82.20 4.40 3.68	86.25 4.27 3.83	87.98 3.74 2.50	89.74 2.85 0.00	84.99 2.45 0.00	71.76 1.24 0.54	53.07 1.21 -2.84
HOLTSVILLE_IC_6 23695	49.51 2.56 0.00	37.67 2.17 -1.82	37.33 2.00 0.00	35.06 1.79 0.00	33.43 1.69 0.00	33.72 1.57 0.00	34.10 1.63 0.00	37.96 1.22 -0.34	33.16 0.97 -0.02	45.11 0.93 -1.16	51.57 2.26 -0.69	54.00 1.83 -2.41	54.57 1.84 -0.96	55.54 1.97 -1.67	59.12 1.70 0.01	57.62 2.78 -0.02	66.04 2.95 1.41	82.52 5.16 4.13	86.35 5.12 4.59	88.04 4.54 3.25	90.52 3.63 0.00	85.78 3.23 0.00	72.39 1.87 0.53	53.45 1.58 -2.85
HOLTSVILLE_IC_7 23696	49.51 2.56 0.00	37.67 2.17 -1.82	37.33 2.00 0.00	35.06 1.79 0.00	33.43 1.69 0.00	33.72 1.57 0.00	34.10 1.63 0.00	37.96 1.22 -0.34	33.16 0.97 -0.02	45.11 0.93 -1.16	51.57 2.26 -0.69	54.00 1.83 -2.41	54.57 1.84 -0.96	55.54 1.97 -1.67	59.12 1.70 0.01	57.62 2.78 -0.02	66.04 2.95 1.41	82.52 5.16 4.13	86.35 5.12 4.59	88.04 4.54 3.25	90.52 3.63 0.00	85.78 3.23 0.00	72.39 1.87 0.53	53.45 1.58 -2.85
HOLTSVILLE_IC_8 23697	49.51 2.56 0.00	37.67 2.17 -1.82	37.33 2.00 0.00	35.06 1.79 0.00	33.43 1.69 0.00	33.72 1.57 0.00	34.10 1.63 0.00	37.96 1.22 -0.34	33.16 0.97 -0.02	45.11 0.93 -1.16	51.57 2.26 -0.69	54.00 1.83 -2.41	54.57 1.84 -0.96	55.54 1.97 -1.67	59.12 1.70 0.01	57.62 2.78 -0.02	66.04 2.95 1.41	82.52 5.16 4.13	86.35 5.12 4.59	88.04 4.54 3.25	90.52 3.63 0.00	85.78 3.23 0.00	72.39 1.87 0.53	53.45 1.58 -2.85
HOLTSVILLE_IC_9 23698	49.51 2.56 0.00	37.67 2.17 -1.82	37.33 2.00 0.00	35.06 1.79 0.00	33.43 1.69 0.00	33.72 1.57 0.00	34.10 1.63 0.00	37.96 1.22 -0.34	33.16 0.97 -0.02	45.11 0.93 -1.16	51.57 2.26 -0.69	54.00 1.83 -2.41	54.57 1.84 -0.96	55.54 1.97 -1.67	59.12 1.70 0.01	57.62 2.78 -0.02	66.04 2.95 1.41	82.52 5.16 4.13	86.35 5.12 4.59	88.04 4.54 3.25	90.52 3.63 0.00	85.78 3.23 0.00	72.39 1.87 0.53	53.45 1.58 -2.85
HOMER_HL_115KV_TB2 355744	48.52 1.58 0.00	34.53 0.85 0.00	36.16 0.82 0.00	34.02 0.75 0.00	32.29 0.54 0.00	32.49 0.34 0.00	32.98 0.51 0.00	37.34 0.95 0.00	33.62 1.46 0.00	45.33 2.31 0.00	51.07 2.45 0.00	52.47 2.70 0.00	54.58 2.82 0.00	54.56 2.65 0.00	60.62 3.18 0.00	57.23 2.40 0.00	67.98 3.48 0.00	84.89 3.42 0.00	91.63 5.82 0.00	91.72 4.98 0.00	91.56 4.67 0.00	86.86 4.31 0.00	75.57 4.52 0.00	52.55 3.52 0.00
HOWARD_WT_PWR 323690	48.08 1.14 0.00	34.32 0.63 0.00	36.00 0.66 0.00	33.93 0.66 0.00	32.15 0.40 0.00	32.56 0.40 0.00	33.08 0.61 0.00	37.45 1.06 0.00	33.82 1.66 0.00	45.34 2.32 0.00	50.85 2.23 0.00	52.16 2.40 0.00	54.32 2.56 0.00	54.13 2.22 0.00	60.40 2.96 0.00	56.96 2.14 0.00	67.67 3.18 0.00	85.77 4.29 0.00	91.10 5.29 0.00	92.45 5.70 0.00	93.06 6.17 0.00	88.15 5.60 0.00	76.24 5.19 0.00	52.82 3.80 0.00
HQ_GEN_CEDARS 23644	46.99 0.05 0.00	33.46 -0.22 0.00	34.98 -0.36 0.00	32.88 -0.38 0.00	31.34 -0.41 0.00	31.89 -0.26 0.00	32.18 -0.29 0.00	36.28 -0.12 0.00	32.22 0.05 0.00	43.56 0.55 0.00	49.23 0.61 0.00	50.18 0.41 0.00	52.20 0.43 0.00	52.30 0.39 0.00	57.63 0.19 0.00	54.55 -0.27 0.00	63.95 -0.54 0.00	80.23 -1.25 0.00	82.91 -2.89 0.00	85.49 -1.25 0.00	86.59 -0.30 0.00	82.57 0.02 0.00	71.21 0.16 0.00	49.08 0.05 0.00
HQ_GEN_CEDARS_PROXY 323590	46.99 0.05 0.00	33.46 -0.22 0.00	34.98 -0.36 0.00	32.89 -0.38 0.00	31.34 -0.41 0.00	31.89 -0.26 0.00	32.18 -0.29 0.00	35.26 -0.12 1.02	32.22 0.05 0.00	43.30 0.55 0.27	49.23 0.61 0.00	50.18 0.41 0.00	52.20 0.43 0.00	51.52 0.39 0.78	57.63 0.19 0.00	54.55 -0.27 0.00	63.96 -0.54 0.00	80.22 -1.26 0.00	82.91 -2.89 0.00	85.10 -1.25 0.39	85.56 -0.30 1.04	82.57 0.02 0.00	71.21 0.16 0.00	49.08 0.05 0.00

HQ_GEN_IMPORT 323601	46.41 -0.28 0.25	33.36 -0.32 0.00	34.93 -0.41 0.00	32.84 -0.42 0.00	31.31 -0.43 0.00	31.80 -0.36 0.00	32.08 -0.39 0.00	35.91 -0.27 0.22	32.59 -0.12 -0.55	43.13 0.11 0.00	48.73 0.11 0.00	49.78 0.02 0.00	51.76 -0.01 0.00	51.90 -0.01 0.00	57.37 -0.07 0.00	54.47 -0.35 0.00	63.90 -0.60 0.00	80.20 -1.28 0.00	83.74 -2.07 0.00	84.61 -1.72 0.41	85.87 -1.03 0.00	81.92 -0.63 0.00	70.33 -0.38 0.34	46.72 -0.38 1.93
HQ_GEN_WHEEL 23651	46.41 -0.28 0.25	33.36 -0.32 0.00	34.93 -0.41 0.00	32.84 -0.42 0.00	31.31 -0.43 0.00	31.80 -0.36 0.00	32.08 -0.39 0.00	35.91 -0.27 0.22	32.59 -0.12 -0.55	43.13 0.11 0.00	48.73 0.11 0.00	49.78 0.02 0.00	51.76 -0.01 0.00	51.90 -0.01 0.00	57.37 -0.07 0.00	54.47 -0.35 0.00	63.90 -0.60 0.00	80.20 -1.28 0.00	83.74 -2.07 0.00	84.61 -1.72 0.41	85.87 -1.03 0.00	81.92 -0.63 0.00	70.33 -0.38 0.34	46.72 -0.38 1.93
HUDSON AVE_GT_3 23810	49.50 2.56 0.00	37.61 2.11 -1.82	37.32 1.98 0.00	35.12 1.86 0.00	33.52 1.78 0.00	33.88 1.73 0.00	34.27 1.80 0.00	38.45 1.71 -0.34	33.72 1.53 -0.02	45.89 1.71 -1.16	51.27 1.96 -0.69	54.13 1.96 -2.41	54.64 1.91 -0.96	55.52 1.94 -1.67	59.57 2.13 0.00	57.53 2.69 -0.02	68.11 3.47 -0.15	86.78 5.30 0.00	91.72 5.92 0.00	92.12 5.38 0.00	91.32 4.43 0.00	86.29 3.74 0.00	73.89 2.84 0.00	54.60 2.16 -3.41
HUDSON AVE_GT_4 23540	49.50 2.56 0.00	37.61 2.11 -1.82	37.32 1.98 0.00	35.12 1.86 0.00	33.52 1.78 0.00	33.88 1.73 0.00	34.27 1.80 0.00	38.45 1.71 -0.34	33.72 1.53 -0.02	45.89 1.71 -1.16	51.27 1.96 -0.69	54.13 1.96 -2.41	54.64 1.91 -0.96	55.52 1.94 -1.67	59.57 2.13 0.00	57.53 2.69 -0.02	68.11 3.47 -0.15	86.78 5.30 0.00	91.72 5.92 0.00	92.12 5.38 0.00	91.32 4.43 0.00	86.29 3.74 0.00	73.89 2.84 0.00	54.60 2.16 -3.41
HUDSON AVE_GT_5 23657	49.50 2.56 0.00	37.61 2.11 -1.82	37.32 1.98 0.00	35.12 1.86 0.00	33.52 1.78 0.00	33.88 1.73 0.00	34.27 1.80 0.00	38.45 1.71 -0.34	33.72 1.53 -0.02	45.89 1.71 -1.16	51.27 1.96 -0.69	54.13 1.96 -2.41	54.64 1.91 -0.96	55.52 1.94 -1.67	59.57 2.13 0.00	57.53 2.69 -0.02	68.11 3.47 -0.15	86.78 5.30 0.00	91.72 5.92 0.00	92.12 5.38 0.00	91.32 4.43 0.00	86.29 3.74 0.00	73.89 2.84 0.00	54.60 2.16 -3.41
HUDSON_AVE_10 24168	49.37 2.43 0.00	37.51 2.01 -1.82	37.22 1.88 0.00	35.03 1.76 0.00	33.43 1.69 0.00	33.79 1.63 0.00	34.18 1.71 0.00	38.34 1.60 -0.34	33.63 1.45 -0.02	45.75 1.58 -1.16	51.07 1.76 -0.69	53.94 1.77 -2.41	54.44 1.71 -0.96	55.35 1.77 -1.67	59.36 1.92 0.00	57.33 2.49 -0.02	67.97 3.24 -0.24	87.68 5.00 -1.20	92.16 5.63 -0.72	91.82 5.07 0.00	91.04 4.14 0.00	86.05 3.50 0.00	73.70 2.65 0.00	54.47 2.03 -3.41
HUDSON___115KV_TB 4 355613	47.75 0.80 0.00	33.48 0.75 0.96	36.24 0.90 0.00	34.16 0.90 0.00	32.72 0.98 0.00	33.11 0.95 0.00	33.42 0.95 0.00	37.00 0.78 0.18	32.64 0.48 0.01	42.47 0.07 0.61	48.22 -0.04 0.36	48.27 -0.23 1.27	50.85 -0.41 0.51	50.62 -0.42 0.88	57.19 -0.25 0.00	54.71 -0.10 0.01	64.98 0.57 0.08	82.81 1.33 0.00	88.23 2.42 0.00	89.44 2.69 0.00	89.06 2.17 0.00	84.31 1.76 0.00	72.27 1.22 0.00	48.07 0.84 1.79
HUNTER MOUNT___DRP 323613	47.94 1.00 0.00	33.96 0.87 0.60	36.40 1.06 0.00	34.32 1.05 0.00	32.85 1.11 0.00	33.25 1.10 0.00	33.56 1.09 0.00	37.28 0.99 0.11	32.82 0.66 0.01	43.05 0.42 0.38	48.67 0.28 0.23	49.13 0.16 0.79	51.41 -0.04 0.32	51.28 -0.08 0.55	57.52 0.08 0.00	55.13 0.31 0.01	65.42 0.97 0.05	83.40 1.92 0.00	88.93 3.12 0.00	90.15 3.40 0.00	89.69 2.80 0.00	84.87 2.32 0.00	72.76 1.71 0.00	49.07 1.18 1.12
HUNTINGTON_RES_REC 323705	49.38 2.44 0.00	37.54 2.04 -1.82	37.20 1.86 0.00	34.93 1.66 0.00	33.31 1.56 0.00	33.61 1.46 0.00	33.98 1.51 0.00	37.82 1.08 -0.34	32.98 0.79 -0.02	44.89 0.72 -1.16	51.38 2.07 -0.69	53.77 1.60 -2.41	54.30 1.57 -0.96	55.30 1.72 -1.67	58.64 1.23 0.03	57.11 2.27 -0.02	62.77 2.36 4.08	77.74 4.33 8.07	79.12 4.24 10.94	80.99 3.69 9.45	89.72 2.83 0.00	85.02 2.47 0.00	71.75 1.23 0.53	53.06 1.19 -2.85
HUNTLEY___63 23557	48.91 1.97 0.00	34.71 1.02 0.00	36.36 1.02 0.00	34.09 0.83 0.00	32.26 0.51 0.00	32.34 0.18 0.00	32.83 0.36 0.00	37.44 1.05 0.00	33.88 1.71 0.00	45.76 2.74 0.00	51.82 3.20 0.00	53.57 3.80 0.00	55.91 4.15 0.00	55.61 3.70 0.00	61.44 4.00 0.00	57.40 2.58 0.00	67.69 3.20 0.00	83.68 2.20 0.00	90.46 4.65 0.00	90.90 4.15 0.00	91.44 4.55 0.00	86.89 4.34 0.00	76.06 5.01 0.00	53.06 4.03 0.00
HUNTLEY___64 23558	48.91 1.97 0.00	34.71 1.02 0.00	36.36 1.02 0.00	34.09 0.83 0.00	32.26 0.51 0.00	32.34 0.18 0.00	32.83 0.36 0.00	37.44 1.05 0.00	33.88 1.71 0.00	45.76 2.74 0.00	51.82 3.20 0.00	53.57 3.80 0.00	55.91 4.15 0.00	55.61 3.70 0.00	61.44 4.00 0.00	57.40 2.58 0.00	67.69 3.20 0.00	83.68 2.20 0.00	90.46 4.65 0.00	90.90 4.15 0.00	91.44 4.55 0.00	86.89 4.34 0.00	76.06 5.01 0.00	53.06 4.03 0.00
HUNTLEY___65 23559	48.91 1.97 0.00	34.71 1.02 0.00	36.36 1.02 0.00	34.09 0.83 0.00	32.26 0.51 0.00	32.34 0.18 0.00	32.83 0.36 0.00	37.44 1.05 0.00	33.88 1.71 0.00	45.76 2.74 0.00	51.82 3.20 0.00	53.57 3.80 0.00	55.91 4.15 0.00	55.61 3.70 0.00	61.44 4.00 0.00	57.40 2.58 0.00	67.69 3.20 0.00	83.68 2.20 0.00	90.46 4.65 0.00	90.90 4.15 0.00	91.44 4.55 0.00	86.89 4.34 0.00	76.06 5.01 0.00	53.06 4.03 0.00
HUNTLEY___66 23560	48.91 1.97 0.00	34.71 1.02 0.00	36.36 1.02 0.00	34.09 0.83 0.00	32.26 0.51 0.00	32.34 0.18 0.00	32.83 0.36 0.00	37.44 1.05 0.00	33.88 1.71 0.00	45.76 2.74 0.00	51.82 3.20 0.00	53.57 3.80 0.00	55.91 4.15 0.00	55.61 3.70 0.00	61.44 4.00 0.00	57.40 2.58 0.00	67.69 3.20 0.00	83.68 2.20 0.00	90.46 4.65 0.00	90.90 4.15 0.00	91.44 4.55 0.00	86.89 4.34 0.00	76.06 5.01 0.00	53.06 4.03 0.00
HUNTLEY___67 23561	48.48 1.54 0.00	34.44 0.76 0.00	36.11 0.77 0.00	33.88 0.61 0.00	32.07 0.32 0.00	32.17 0.01 0.00	32.65 0.18 0.00	37.20 0.80 0.00	33.64 1.47 0.00	45.43 2.42 0.00	51.44 2.82 0.00	53.09 3.33 0.00	55.37 3.61 0.00	55.10 3.19 0.00	61.10 3.67 0.00	57.20 2.38 0.00	67.48 2.99 0.00	83.50 2.02 0.00	90.19 4.38 0.00	90.65 3.90 0.00	91.16 4.26 0.00	86.47 3.92 0.00	75.48 4.43 0.00	52.64 3.61 0.00
HUNTLEY___68 23562	48.48 1.54 0.00	34.44 0.76 0.00	36.11 0.77 0.00	33.88 0.61 0.00	32.07 0.32 0.00	32.17 0.01 0.00	32.65 0.18 0.00	37.20 0.80 0.00	33.64 1.47 0.00	45.43 2.42 0.00	51.44 2.82 0.00	53.09 3.33 0.00	55.37 3.61 0.00	55.10 3.19 0.00	61.10 3.67 0.00	57.20 2.38 0.00	67.48 2.99 0.00	83.50 2.02 0.00	90.19 4.38 0.00	90.65 3.90 0.00	91.16 4.26 0.00	86.47 3.92 0.00	75.48 4.43 0.00	52.64 3.61 0.00



HYLAND___LFGE 323620	51.39 4.45 0.00	36.51 2.83 0.00	38.18 2.85 0.00	35.85 2.58 0.00	34.04 2.29 0.00	34.30 2.15 0.00	34.75 2.28 0.00	39.10 2.70 0.00	35.10 2.94 0.00	46.77 3.76 0.00	52.23 3.61 0.00	53.68 3.91 0.00	56.06 4.30 0.00	55.88 3.97 0.00	61.61 4.17 0.00	57.20 2.38 0.00	68.04 3.55 0.00	86.20 4.72 0.00	92.60 6.79 0.00	93.62 6.87 0.00	95.30 8.41 0.00	90.78 8.23 0.00	80.30 9.25 0.00	55.61 6.58 0.00
INDECK___CORINTH 23802	49.05 2.11 0.00	33.81 1.68 1.55	37.28 1.94 0.00	35.05 1.78 0.00	33.45 1.70 0.00	33.82 1.67 0.00	34.20 1.74 0.00	37.72 1.61 0.29	33.43 1.28 0.02	43.13 1.11 0.99	48.80 0.77 0.59	48.48 0.77 2.06	51.51 0.56 0.83	51.24 0.75 1.42	58.46 1.03 0.00	56.20 1.40 0.02	66.57 2.20 0.13	85.71 4.23 0.00	91.86 6.05 0.00	92.54 5.79 0.00	92.08 5.19 0.00	87.27 4.72 0.00	74.40 3.35 0.00	48.28 2.18 2.92
INDECK___ILION 23567	47.32 0.37 0.00	34.11 0.42 0.00	35.86 0.52 0.00	33.80 0.53 0.00	32.33 0.58 0.00	32.70 0.54 0.00	33.01 0.54 0.00	36.76 0.36 0.00	32.21 0.04 0.00	42.71 -0.31 0.00	48.23 -0.40 0.00	49.44 -0.33 0.00	51.31 -0.46 0.00	51.49 -0.43 0.00	57.07 -0.37 0.00	54.83 0.01 0.00	64.66 0.16 0.00	82.54 1.06 0.00	87.80 1.99 0.00	88.81 2.07 0.00	88.52 1.62 0.00	83.82 1.27 0.00	71.85 0.80 0.00	49.48 0.46 0.00
INDECK___OLEAN 23982	48.51 1.57 0.00	34.53 0.85 0.00	36.16 0.82 0.00	34.02 0.75 0.00	32.29 0.54 0.00	32.49 0.34 0.00	32.98 0.51 0.00	37.34 0.95 0.00	33.61 1.45 0.00	45.32 2.30 0.00	51.06 2.44 0.00	52.47 2.70 0.00	54.59 2.82 0.00	54.57 2.65 0.00	60.62 3.18 0.00	57.21 2.39 0.00	67.97 3.47 0.00	85.29 3.81 0.00	91.67 5.86 0.00	91.72 4.97 0.00	91.57 4.67 0.00	86.86 4.31 0.00	75.57 4.52 0.00	52.55 3.53 0.00
INDECK___OSWEGO 23783	47.16 -0.54 -0.75	33.24 -0.44 0.00	34.85 -0.49 0.00	32.80 -0.46 0.00	31.30 -0.44 0.00	31.67 -0.49 0.00	31.99 -0.48 0.00	35.87 -0.53 0.00	31.74 -0.43 0.00	42.39 -0.62 0.00	47.96 -0.65 0.00	49.16 -0.61 0.00	51.08 -0.69 0.00	50.96 -0.95 0.00	56.65 -1.06 -0.28	54.00 -0.89 -0.07	63.75 -1.03 -0.28	89.45 -1.09 -9.05	93.73 -0.87 -8.79	86.33 -0.92 -0.51	88.90 -1.04 -3.04	86.28 -1.25 -4.98	73.84 -1.17 -3.96	48.27 -0.75 0.00
INDECK___YERKES 23781	48.96 2.02 0.00	34.74 1.05 0.00	36.39 1.05 0.00	34.12 0.85 0.00	32.29 0.54 0.00	32.37 0.21 0.00	32.86 0.39 0.00	37.48 1.08 0.00	33.90 1.73 0.00	45.79 2.78 0.00	51.85 3.23 0.00	53.62 3.85 0.00	55.95 4.18 0.00	55.66 3.75 0.00	61.46 4.02 0.00	57.36 2.54 0.00	67.66 3.16 0.00	84.07 2.59 0.00	90.47 4.66 0.00	90.84 4.10 0.00	91.42 4.52 0.00	86.94 4.38 0.00	76.10 5.05 0.00	53.10 4.08 0.00
INDIAN POINT_GT_1 24139	49.06 2.12 0.00	37.18 1.71 -1.78	36.96 1.62 0.00	34.79 1.52 0.00	33.22 1.48 0.00	33.59 1.43 0.00	33.97 1.50 0.00	38.11 1.37 -0.33	33.38 1.19 -0.02	45.42 1.26 -1.14	50.80 1.50 -0.68	53.66 1.54 -2.36	54.21 1.50 -0.95	55.11 1.56 -1.64	59.13 1.69 0.00	57.04 2.20 -0.02	67.56 2.92 -0.15	86.08 4.60 0.00	91.01 5.21 0.00	91.45 4.70 0.00	90.66 3.77 0.00	85.67 3.13 0.00	73.36 2.31 0.00	54.11 1.73 -3.35
INDIAN POINT_GT_2 23659	49.06 2.12 0.00	37.18 1.71 -1.78	36.96 1.62 0.00	34.79 1.52 0.00	33.22 1.48 0.00	33.59 1.43 0.00	33.97 1.50 0.00	38.11 1.37 -0.33	33.38 1.19 -0.02	45.42 1.26 -1.14	50.80 1.50 -0.68	53.66 1.54 -2.36	54.21 1.50 -0.95	55.11 1.56 -1.64	59.13 1.69 0.00	57.04 2.20 -0.02	67.56 2.92 -0.15	86.08 4.60 0.00	91.01 5.21 0.00	91.45 4.70 0.00	90.66 3.77 0.00	85.67 3.13 0.00	73.36 2.31 0.00	54.11 1.73 -3.35
INDIAN POINT_GT_3 24019	49.06 2.12 0.00	37.18 1.71 -1.78	36.96 1.62 0.00	34.79 1.52 0.00	33.22 1.48 0.00	33.59 1.43 0.00	33.97 1.50 0.00	38.11 1.37 -0.33	33.38 1.19 -0.02	45.42 1.26 -1.14	50.80 1.50 -0.68	53.66 1.54 -2.36	54.21 1.50 -0.95	55.11 1.56 -1.64	59.13 1.69 0.00	57.04 2.20 -0.02	67.56 2.92 -0.15	86.08 4.60 0.00	91.01 5.21 0.00	91.45 4.70 0.00	90.66 3.77 0.00	85.67 3.13 0.00	73.36 2.31 0.00	54.11 1.73 -3.35
INDIAN POINT___2 23530	49.02 2.08 0.00	37.11 1.70 -1.73	36.93 1.60 0.00	34.77 1.50 0.00	33.19 1.45 0.00	33.57 1.41 0.00	33.94 1.48 0.00	38.08 1.35 -0.32	33.36 1.17 -0.02	45.38 1.26 -1.10	50.76 1.49 -0.66	53.58 1.53 -2.29	54.17 1.48 -0.92	55.04 1.54 -1.59	59.11 1.67 0.00	57.02 2.18 -0.02	67.55 2.91 -0.14	85.91 4.43 0.00	90.96 5.16 0.00	91.40 4.66 0.00	90.64 3.75 0.00	85.63 3.08 0.00	73.34 2.29 0.00	53.99 1.72 -3.25
INDIAN POINT___3 23531	49.01 2.07 0.00	37.15 1.68 -1.79	36.93 1.59 0.00	34.76 1.50 0.00	33.20 1.45 0.00	33.57 1.42 0.00	33.95 1.48 0.00	38.07 1.34 -0.34	33.35 1.16 -0.02	45.39 1.23 -1.14	50.75 1.45 -0.68	53.62 1.49 -2.36	54.17 1.45 -0.95	55.06 1.51 -1.64	59.07 1.63 0.00	56.98 2.14 -0.02	67.49 2.85 -0.15	85.98 4.50 0.00	90.91 5.11 0.00	91.36 4.61 0.00	90.56 3.66 0.00	85.58 3.03 0.00	73.29 2.24 0.00	54.06 -3.35 0.00
INGHAM_C_115KV_TB7 356103	47.45 0.51 0.00	34.39 0.71 0.00	36.22 0.88 0.00	34.17 0.90 0.00	32.78 1.03 0.00	33.12 0.96 0.00	33.40 0.93 0.00	36.93 0.54 0.00	32.01 -0.15 0.00	41.95 -1.07 0.00	47.27 -1.35 0.00	48.58 -1.19 0.00	50.22 -1.54 0.00	50.47 -1.44 0.00	56.04 -1.40 0.00	54.18 -0.64 0.00	64.10 -0.40 0.00	82.60 1.12 0.00	88.86 3.05 0.00	90.19 3.44 0.00	89.54 2.65 0.00	84.69 2.14 0.00	72.33 1.28 0.00	49.63 0.60 0.00
IP CORINTH___1 23988	49.33 2.39 0.00	34.00 1.87 1.55	37.47 2.13 0.00	35.23 1.96 0.00	33.62 1.87 0.00	33.99 1.83 0.00	34.37 1.90 0.00	37.91 1.81 0.29	33.60 1.46 0.02	43.39 1.37 0.99	49.10 1.07 0.59	48.78 1.07 2.06	51.82 0.87 0.83	51.55 1.06 1.42	58.81 1.37 0.00	56.53 1.73 0.02	66.95 2.58 0.13	86.22 4.74 0.00	92.38 6.57 0.00	93.06 6.31 0.00	92.61 5.71 0.00	87.76 5.21 0.00	74.83 3.78 0.00	48.58 2.47 2.92
IP___TICONDEROGA 23804	52.04 5.10 0.00	35.99 3.89 1.59	39.55 4.21 0.00	37.05 3.78 0.00	35.39 3.64 0.00	35.70 3.55 0.00	36.10 3.63 0.00	39.51 3.41 0.30	35.01 2.86 0.02	45.09 3.09 1.02	51.00 2.99 0.61	50.41 2.75 2.11	53.62 2.70 0.85	53.13 2.68 1.46	61.06 3.62 0.00	58.77 3.97 0.02	69.88 5.51 0.13	90.96 9.48 0.00	96.91 11.11 0.00	98.11 11.37 0.00	97.33 10.43 0.00	93.01 10.46 0.00	78.82 7.77 0.00	51.41 5.37 2.99
ISLIP_RES_REC 323679	49.76 2.82 0.00	37.84 2.34 -1.82	37.50 2.16 0.00	35.21 1.94 0.00	33.58 1.83 0.00	33.86 1.71 0.00	34.25 1.78 0.00	38.14 1.39 -0.34	33.32 1.13 -0.02	45.34 1.17 -1.16	51.85 2.54 -0.69	54.34 2.17 -2.41	54.97 2.24 -0.96	55.99 2.42 -1.67	59.65 2.22 0.01	58.15 3.31 -0.02	66.65 3.54 1.38	83.30 5.88 4.06	87.18 5.87 4.50	88.86 5.30 3.18	91.23 4.33 0.00	86.44 3.90 0.00	72.90 2.38 0.53	53.79 1.92 -2.85

JAMAICA__27_KV_LOAD 355505	49.83 2.89 0.00	37.82 2.32 -1.82	37.53 2.19 0.00	35.34 2.07 0.00	33.71 1.97 0.00	34.08 1.92 0.00	34.47 2.00 0.00	38.67 1.93 -0.34	33.94 1.75 -0.02	46.11 1.94 -1.16	51.39 2.08 -0.69	54.33 2.16 -2.41	54.85 2.12 -0.96	55.79 2.21 -1.67	59.80 2.36 0.00	57.75 2.91 -0.02	68.60 3.84 -0.26	88.67 5.69 -1.50	93.14 6.43 -0.90	92.62 5.87 0.00	91.88 4.99 0.00	86.93 4.38 0.00	74.58 3.53 0.00	54.98 2.55 -3.41
JANIS__SOLAR 323808	49.36 2.42 0.00	35.30 1.61 0.00	37.05 1.71 0.00	34.75 1.49 0.00	33.23 1.49 0.00	33.64 1.48 0.00	34.02 1.55 0.00	38.13 1.73 0.00	33.71 1.54 0.00	44.94 1.92 0.00	50.99 2.37 0.00	51.62 1.85 0.00	53.91 2.14 0.00	54.15 2.24 0.00	60.23 2.79 0.00	58.03 3.21 0.00	69.04 4.54 0.00	86.97 5.49 0.00	93.47 7.66 0.00	94.48 7.74 0.00	93.91 7.02 0.00	88.98 6.43 0.00	76.16 5.11 0.00	52.23 3.21 0.00
JARVIS____ 23743	47.06 0.12 0.00	33.82 0.13 0.00	35.51 0.17 0.00	33.45 0.18 0.00	31.94 0.20 0.00	32.35 0.19 0.00	32.66 0.19 0.00	36.53 0.13 0.00	32.22 0.06 0.00	43.00 -0.02 0.00	48.60 -0.03 0.00	49.75 -0.02 0.00	51.71 -0.05 0.00	51.87 -0.04 0.00	57.42 -0.02 0.00	54.94 0.12 0.00	64.69 0.20 0.00	81.99 0.51 0.00	86.59 0.79 0.00	87.44 0.69 0.00	87.33 0.43 0.00	82.81 0.26 0.00	71.22 0.17 0.00	49.18 0.15 0.00
JENNISON____1 23625	48.71 1.77 0.00	34.95 1.26 0.00	36.68 1.34 0.00	34.51 1.24 0.00	33.15 1.40 0.00	33.61 1.46 0.00	33.98 1.51 0.00	38.15 1.76 0.00	33.71 1.55 0.00	45.14 2.12 0.00	51.24 2.62 0.00	52.37 2.61 0.00	54.37 2.60 0.00	54.51 2.60 0.00	60.48 3.04 0.00	57.96 3.14 0.00	68.43 3.93 0.00	86.81 5.33 0.00	92.53 6.72 0.00	93.66 6.92 0.00	93.62 6.72 0.00	88.68 6.13 0.00	75.71 4.66 0.00	51.98 2.95 0.00
JENNISON____2 23626	48.71 1.77 0.00	34.95 1.26 0.00	36.68 1.34 0.00	34.51 1.24 0.00	33.15 1.40 0.00	33.61 1.46 0.00	33.98 1.51 0.00	38.15 1.76 0.00	33.71 1.55 0.00	45.14 2.12 0.00	51.24 2.62 0.00	52.37 2.61 0.00	54.37 2.60 0.00	54.51 2.60 0.00	60.48 3.04 0.00	57.96 3.14 0.00	68.43 3.93 0.00	86.81 5.33 0.00	92.53 6.72 0.00	93.66 6.92 0.00	93.62 6.72 0.00	88.68 6.13 0.00	75.71 4.66 0.00	51.98 2.95 0.00
JERICOHO_RISE_WT_PWR 323719	46.15 -0.79 0.00	32.81 -0.87 0.00	34.23 -1.11 0.00	32.16 -1.11 0.00	30.59 -1.15 0.00	31.15 -1.00 0.00	31.51 -0.96 0.00	35.64 -0.75 0.00	31.70 -0.46 0.00	42.90 -0.11 0.00	48.39 -0.23 0.00	49.43 -0.33 0.00	51.24 -0.53 0.00	51.30 -0.61 0.00	56.37 -1.06 0.00	53.26 -1.56 0.00	62.76 -1.73 0.00	79.07 -2.41 0.00	82.68 -3.12 0.00	84.41 -2.34 0.00	85.21 -1.69 0.00	81.17 -1.38 0.00	69.80 -1.25 0.00	47.98 -1.04 0.00
KATONAH__115KV_46KV_TB4 355592	49.26 2.32 0.00	37.38 1.88 -1.82	37.14 1.80 0.00	34.96 1.69 0.00	33.38 1.64 0.00	33.74 1.58 0.00	34.12 1.65 0.00	38.28 1.54 -0.34	33.53 1.34 -0.02	45.67 1.49 -1.16	51.10 1.79 -0.69	54.03 1.85 -2.41	54.58 1.85 -0.97	55.51 1.93 -1.67	59.58 2.14 0.00	57.47 2.63 -0.02	68.03 3.39 -0.15	86.72 5.23 0.00	91.67 5.87 0.00	92.09 5.34 0.00	91.26 4.37 0.00	86.23 3.68 0.00	73.80 2.75 0.00	54.44 2.00 -3.42
KCE_NY_1 323755	49.12 2.18 0.00	33.78 1.74 1.65	37.26 1.93 0.00	35.07 1.80 0.00	33.48 1.73 0.00	33.88 1.73 0.00	34.23 1.76 0.00	37.78 1.69 0.31	33.52 1.38 0.02	43.34 1.37 1.06	49.31 1.32 0.63	48.95 1.37 2.18	52.10 1.21 0.88	51.79 1.39 1.51	59.12 1.69 0.00	56.71 1.91 0.02	67.07 2.71 0.13	85.98 4.50 0.00	91.62 5.81 0.00	92.44 5.69 0.00	91.78 4.89 0.00	86.86 4.31 0.00	74.42 3.37 0.00	48.18 2.25 3.09
KCE_NY_6_ESR 323823	49.01 2.07 0.00	34.82 1.13 0.00	36.51 1.17 0.00	34.24 0.97 0.00	32.39 0.65 0.00	32.50 0.34 0.00	32.99 0.52 0.00	37.58 1.19 0.00	33.99 1.83 0.00	45.94 2.93 0.00	51.96 3.34 0.00	53.65 3.88 0.00	55.99 4.22 0.00	55.76 3.86 0.00	61.89 4.45 0.00	57.95 3.14 0.00	68.46 3.97 0.00	85.24 3.76 0.00	91.68 5.88 0.00	92.15 5.41 0.00	92.61 5.72 0.00	87.82 5.27 0.00	76.57 5.52 0.00	53.32 4.30 0.00
KEDC_PORT_JEFF_GT2 24210	49.39 2.45 0.00	37.59 2.09 -1.82	37.26 1.92 0.00	34.98 1.71 0.00	33.36 1.62 0.00	33.66 1.50 0.00	34.02 1.55 0.00	37.87 1.13 -0.34	33.06 0.87 -0.02	44.97 0.79 -1.16	51.46 2.15 -0.69	53.88 1.71 -2.41	54.45 1.71 -0.96	55.43 1.85 -1.67	58.92 1.49 0.01	57.36 2.52 -0.02	65.22 2.29 1.57	81.54 4.43 4.37	85.27 4.43 4.96	86.98 3.85 3.62	89.89 3.00 0.00	85.57 3.02 0.00	72.23 1.71 0.53	53.35 1.48 -2.84
KEDC_PORT_JEFF_GT3 24211	49.39 2.45 0.00	37.59 2.09 -1.82	37.26 1.92 0.00	34.98 1.71 0.00	33.36 1.62 0.00	33.66 1.50 0.00	34.02 1.55 0.00	37.87 1.13 -0.34	33.06 0.87 -0.02	44.97 0.79 -1.16	51.46 2.15 -0.69	53.88 1.71 -2.41	54.45 1.71 -0.96	55.43 1.85 -1.67	58.92 1.49 0.01	57.36 2.52 -0.02	65.22 2.29 1.57	81.54 4.43 4.37	85.27 4.43 4.96	86.98 3.85 3.62	89.89 3.00 0.00	85.57 3.02 0.00	72.23 1.71 0.53	53.35 1.48 -2.84
KEDC_GLWD_GT4 24219	49.62 2.68 0.00	37.68 2.18 -1.82	37.38 2.04 0.00	35.15 1.88 0.00	33.53 1.78 0.00	33.87 1.71 0.00	34.25 1.78 0.00	38.35 1.62 -0.34	33.57 1.38 -0.02	45.74 1.56 -1.16	51.59 2.28 -0.69	54.32 2.15 -2.41	54.90 2.17 -0.96	55.80 2.23 -1.67	59.52 2.08 0.00	57.60 2.76 -0.02	68.03 3.39 -0.15	86.64 5.16 0.00	91.51 5.71 0.00	91.95 5.20 0.00	91.21 4.32 0.00	86.23 3.68 0.00	73.41 2.53 0.16	54.38 2.12 -3.24
KEDC_GLWD_GT5 24220	49.62 2.68 0.00	37.68 2.18 -1.82	37.38 2.04 0.00	35.15 1.88 0.00	33.53 1.78 0.00	33.87 1.71 0.00	34.25 1.78 0.00	38.35 1.62 -0.34	33.57 1.38 -0.02	45.74 1.56 -1.16	51.59 2.28 -0.69	54.32 2.15 -2.41	54.90 2.17 -0.96	55.80 2.23 -1.67	59.52 2.08 0.00	57.60 2.76 -0.02	68.03 3.39 -0.15	86.64 5.16 0.00	91.51 5.71 0.00	91.95 5.20 0.00	91.21 4.32 0.00	86.23 3.68 0.00	73.41 2.53 0.16	54.38 2.12 -3.24
KENSICO____ 23655	49.16 2.22 0.00	37.32 1.82 -1.81	37.07 1.73 0.00	34.89 1.62 0.00	33.31 1.57 0.00	33.68 1.52 0.00	34.06 1.58 0.00	38.20 1.46 -0.34	33.45 1.27 -0.02	45.54 1.36 -1.16	50.94 1.63 -0.69	53.83 1.66 -2.40	54.33 1.60 -0.96	55.24 1.67 -1.66	59.24 1.80 0.00	57.17 2.32 -0.02	67.68 3.04 -0.15	86.24 4.76 0.00	91.19 5.38 0.00	91.61 4.86 0.00	90.82 3.93 0.00	85.83 3.28 0.00	73.48 2.43 0.00	54.26 1.84 -3.40
KERHONKS_69_KV_TR1_REV_LBMP_G 345021	49.56 2.62 0.00	36.76 1.97 -1.10	37.24 1.90 0.00	35.04 1.77 0.00	33.43 1.69 0.00	33.80 1.64 0.00	34.18 1.71 0.00	38.27 1.66 -0.21	33.65 1.47 -0.01	45.44 1.72 -0.70	51.00 1.96 -0.42	53.45 2.23 -1.45	54.62 2.27 -0.58	55.15 2.24 -1.01	59.99 2.55 0.00	57.66 2.82 -0.02	68.49 3.91 -0.09	87.22 5.74 0.00	92.38 6.57 0.00	92.96 6.21 0.00	92.28 5.38 0.00	87.14 4.59 0.00	74.53 3.49 0.00	53.50 2.41 -2.07

KIAC_JFK_GT1 23816	49.31 2.37 0.00	37.46 1.96 -1.82	37.16 1.82 0.00	34.98 1.72 0.00	33.38 1.64 0.00	33.74 1.59 0.00	34.13 1.66 0.00	38.29 1.56 -0.34	33.61 1.42 -0.02	45.65 1.48 -1.16	50.85 1.55 -0.69	53.78 1.61 -2.41	54.27 1.54 -0.96	55.20 1.63 -1.67	59.15 1.71 0.00	57.12 2.27 -0.02	67.83 3.07 -0.26	87.72 4.75 -1.50	92.10 5.39 -0.90	91.58 4.83 0.00	90.83 3.93 0.00	85.90 3.35 0.00	73.73 2.68 0.00	54.41 1.97 -3.41
KIAC_JFK_GT2 23817	49.31 2.37 0.00	37.46 1.96 -1.82	37.16 1.82 0.00	34.98 1.72 0.00	33.38 1.64 0.00	33.74 1.59 0.00	34.13 1.66 0.00	38.29 1.56 -0.34	33.61 1.42 -0.02	45.65 1.48 -1.16	50.85 1.55 -0.69	53.78 1.61 -2.41	54.27 1.54 -0.96	55.20 1.63 -1.67	59.15 1.71 0.00	57.12 2.27 -0.02	67.83 3.07 -0.26	87.72 4.75 -1.50	92.10 5.39 -0.90	91.58 4.83 0.00	90.83 3.93 0.00	85.90 3.35 0.00	73.73 2.68 0.00	54.41 1.97 -3.41
KIAC_JFK____ 323774	49.32 2.38 0.00	37.46 1.96 -1.82	37.16 1.82 0.00	34.98 1.71 0.00	33.38 1.64 0.00	33.74 1.58 0.00	34.13 1.66 0.00	38.29 1.55 -0.34	33.61 1.42 -0.02	45.65 1.48 -1.16	50.86 1.55 -0.69	53.78 1.60 -2.41	54.27 1.54 -0.96	55.20 1.63 -1.67	59.15 1.71 0.00	57.12 2.28 -0.02	67.83 3.07 -0.26	87.58 4.60 -1.50	92.09 5.38 -0.90	91.58 4.83 0.00	90.83 3.93 0.00	85.89 3.34 0.00	73.74 2.69 0.00	54.41 1.98 -3.41
KINTIGH__24_KV_GSU 356498	48.30 1.36 0.00	34.36 0.67 0.00	36.00 0.66 0.00	33.80 0.53 0.00	32.05 0.30 0.00	32.19 0.03 0.00	32.66 0.19 0.00	37.11 0.71 0.00	33.42 1.25 0.00	45.06 2.04 0.00	50.99 2.37 0.00	52.63 2.86 0.00	54.89 3.12 0.00	54.73 2.81 0.00	60.60 3.17 0.00	56.92 2.10 0.00	67.14 2.65 0.00	83.63 2.15 0.00	89.56 3.75 0.00	90.18 3.43 0.00	90.57 3.68 0.00	85.85 3.30 0.00	74.74 3.69 0.00	52.08 3.06 0.00
KINTIGH____ 23543	48.26 1.32 0.00	34.33 0.65 0.00	35.98 0.64 0.00	33.79 0.52 0.00	32.02 0.28 0.00	32.16 0.01 0.00	32.63 0.16 0.00	37.07 0.68 0.00	33.39 1.23 0.00	45.02 2.00 0.00	50.97 2.35 0.00	52.59 2.82 0.00	54.84 3.07 0.00	54.68 2.77 0.00	60.56 3.12 0.00	56.87 2.05 0.00	67.09 2.60 0.00	83.17 1.69 0.00	89.46 3.65 0.00	90.11 3.36 0.00	90.49 3.60 0.00	85.79 3.24 0.00	74.70 3.65 0.00	52.04 3.01 0.00
KNTFSRNC_46_KV_46KV_LOAD 80397	46.55 -0.39 0.00	33.09 -0.60 0.00	34.51 -0.83 0.00	32.42 -0.85 0.00	30.83 -0.92 0.00	31.38 -0.77 0.00	31.72 -0.75 0.00	35.88 -0.52 0.00	31.93 -0.23 0.00	43.19 0.18 0.00	48.51 -0.11 0.00	49.65 -0.11 0.00	51.41 -0.36 0.00	51.44 -0.47 0.00	56.57 -0.87 0.00	53.54 -1.28 0.00	63.34 -1.15 0.00	79.86 -1.62 0.00	83.47 -2.34 0.00	85.18 -1.56 0.00	85.90 -0.99 0.00	81.80 -0.75 0.00	70.24 -0.81 0.00	48.30 -0.72 0.00
LACHUTE____HYDRO 323717	52.04 5.10 0.00	35.98 3.89 1.59	39.55 4.21 0.00	37.05 3.78 0.00	35.38 3.64 0.00	35.70 3.55 0.00	36.10 3.63 0.00	39.51 3.41 0.30	35.01 2.86 0.02	45.09 3.09 1.02	51.00 2.99 0.61	50.41 2.75 2.11	53.62 2.70 0.85	53.13 2.68 1.46	61.06 3.62 0.00	58.77 3.97 0.02	69.88 5.51 0.13	90.96 9.48 0.00	96.91 11.11 0.00	98.12 11.37 0.00	97.33 10.44 0.00	93.01 10.46 0.00	78.82 7.77 0.00	51.41 5.38 2.99
LAWRNCV_115KV_TB1 80681	47.11 0.17 0.00	33.49 -0.19 0.00	34.97 -0.37 0.00	32.89 -0.38 0.00	31.36 -0.39 0.00	31.93 -0.23 0.00	32.20 -0.27 0.00	36.28 -0.12 0.00	32.18 0.01 0.00	43.50 0.48 0.00	49.17 0.55 0.00	50.10 0.33 0.00	52.18 0.42 0.00	52.23 0.32 0.00	57.52 0.08 0.00	54.52 -0.31 0.00	63.90 -0.59 0.00	80.40 -1.08 0.00	83.32 -2.49 0.00	86.08 -0.67 0.00	87.26 0.37 0.00	83.10 0.55 0.00	71.54 0.49 0.00	49.27 0.24 0.00
LEDERLE____ 23769	49.43 2.49 0.00	37.32 1.94 -1.69	37.18 1.84 0.00	35.00 1.73 0.00	33.41 1.66 0.00	33.78 1.63 0.00	34.17 1.70 0.00	38.34 1.62 -0.32	33.62 1.43 -0.02	45.72 1.62 -1.08	51.18 1.92 -0.64	54.02 2.02 -2.23	54.70 2.04 -0.90	55.58 2.12 -1.55	59.76 2.32 0.00	57.66 2.82 -0.02	68.34 3.71 -0.14	87.00 5.52 0.00	92.04 6.23 0.00	92.44 5.69 0.00	91.62 4.73 0.00	86.54 3.99 0.00	74.11 3.06 0.00	54.38 2.19 -3.17
LIGHTHSE_115KV_TB6 355974	47.91 0.59 -0.37	33.91 0.23 0.00	35.45 0.11 0.00	33.40 0.14 0.00	31.90 0.15 0.00	32.33 0.17 0.00	32.61 0.14 0.00	36.59 0.19 0.00	32.37 0.21 0.00	43.28 0.26 0.00	48.98 0.36 0.00	50.23 0.46 0.00	52.72 0.96 0.00	52.23 0.32 0.00	57.84 0.27 -0.14	55.55 0.70 -0.03	65.06 0.43 -0.14	87.27 1.36 -4.43	92.01 1.89 -4.31	89.31 2.31 -0.25	91.00 2.62 -1.49	86.86 1.87 -2.44	74.24 1.25 -1.94	49.92 0.90 0.00
LINDEN COGEN____ 23786	49.19 2.25 0.00	37.38 1.88 -1.82	37.06 1.73 0.00	34.89 1.63 0.00	33.30 1.55 0.00	33.66 1.51 0.00	34.05 1.58 0.00	38.21 1.47 -0.34	33.51 1.32 -0.02	45.58 1.41 -1.16	50.88 1.57 -0.69	53.66 1.48 -2.40	54.07 1.39 -0.92	55.04 1.47 -1.67	59.04 1.60 0.00	57.06 2.22 -0.02	67.54 2.90 -0.15	85.90 4.42 0.00	90.92 5.11 0.00	91.32 4.57 0.00	90.52 3.62 0.00	85.52 2.97 0.00	73.24 2.19 0.00	54.18 1.74 -3.41
LINDHRST_69_KV_BK1 356055	49.97 3.03 0.00	37.95 2.45 -1.82	37.62 2.28 0.00	35.35 2.08 0.00	33.71 1.97 0.00	34.01 1.85 0.00	34.39 1.92 0.00	38.35 1.61 -0.34	33.47 1.28 -0.02	45.57 1.39 -1.16	51.95 2.64 -0.69	54.45 2.27 -2.41	55.05 2.31 -0.96	55.98 2.40 -1.67	59.64 2.21 0.00	58.12 3.27 -0.02	67.70 3.73 0.52	85.45 6.42 2.45	89.45 5.94 2.30	90.83 5.36 1.27	91.43 4.54 0.00	86.54 3.99 0.00	73.26 2.66 0.46	54.13 2.18 -2.93
LIPA_MISC_IPP 23656	49.17 2.22 0.00	37.43 1.93 -1.82	37.07 1.74 0.00	34.82 1.55 0.00	33.21 1.47 0.00	33.50 1.34 0.00	33.87 1.40 0.00	37.69 0.95 -0.34	32.93 0.75 -0.02	44.79 0.61 -1.16	51.20 1.89 -0.69	53.60 1.42 -2.41	54.10 1.37 -0.96	55.07 1.49 -1.67	58.62 1.19 0.01	57.22 2.38 -0.02	65.85 2.50 1.14	83.07 5.35 3.76	86.43 4.58 3.96	88.11 3.99 2.63	89.93 3.03 0.00	85.15 2.60 0.00	71.84 1.33 0.54	53.05 1.19 -2.84
LISF____SOLAR 323691	49.27 2.33 0.00	37.50 2.00 -1.82	37.14 1.81 0.00	34.88 1.62 0.00	33.27 1.52 0.00	33.55 1.40 0.00	33.92 1.46 0.00	37.76 1.02 -0.34	33.00 0.81 -0.02	44.89 0.71 -1.16	51.30 1.99 -0.69	53.65 1.48 -2.41	54.19 1.46 -0.96	55.15 1.58 -1.67	58.73 1.30 0.01	57.32 2.47 -0.02	65.97 2.68 1.20	82.54 4.90 3.84	86.53 4.82 4.10	88.27 4.29 2.77	90.24 3.34 0.00	85.42 2.87 0.00	72.04 1.53 0.53	53.21 1.34 -2.84
LITTLE FALLS____HYD 24013	47.45 0.51 0.00	34.39 0.71 0.00	36.22 0.88 0.00	34.17 0.90 0.00	32.78 1.03 0.00	33.12 0.96 0.00	33.40 0.93 0.00	36.93 0.54 0.00	32.01 -0.15 0.00	41.95 -1.07 0.00	47.27 -1.35 0.00	48.58 -1.19 0.00	50.22 -1.54 0.00	50.47 -1.44 0.00	56.04 -1.40 0.00	54.18 -0.64 0.00	64.10 -0.40 0.00	82.60 1.12 0.00	88.86 3.05 0.00	90.19 3.44 0.00	89.54 2.65 0.00	84.69 2.14 0.00	72.33 1.28 0.00	49.63 0.60 0.00

LITTLRIV_115KV_TB1 356100	48.00 1.06 0.00	34.09 0.41 0.00	35.57 0.24 0.00	33.45 0.18 0.00	31.88 0.13 0.00	32.48 0.32 0.00	32.74 0.27 0.00	36.78 0.38 0.00	32.52 0.35 0.00	43.82 0.81 0.00	49.54 0.92 0.00	50.44 0.67 0.00	52.58 0.81 0.00	52.82 0.90 0.00	58.12 0.68 0.00	54.96 0.14 0.00	64.77 0.27 0.00	81.16 -0.32 0.00	84.35 -1.46 0.00	87.56 0.81 0.00	89.00 2.11 0.00	84.84 2.29 0.00	72.99 1.94 0.00	50.22 1.20 0.00
LI_NEWBRDGE___DRP 323616	49.23 2.29 0.00	37.41 1.91 -1.82	37.08 1.74 0.00	34.87 1.60 0.00	33.26 1.51 0.00	33.58 1.42 0.00	33.95 1.48 0.00	37.91 1.18 -0.34	33.10 0.91 -0.02	45.07 0.89 -1.16	51.14 1.83 -0.69	53.65 1.47 -2.41	54.17 1.43 -0.96	55.09 1.51 -1.67	58.67 1.23 0.00	56.98 2.14 -0.02	66.90 2.44 0.05	83.48 4.61 2.61	88.61 4.36 1.57	90.58 3.83 0.00	89.92 3.02 0.00	85.12 2.57 0.00	71.95 1.48 0.58	53.18 1.36 -2.79
LOCKPORT_115KV_TB60_63_64 80432	48.33 1.39 0.00	34.30 0.62 0.00	35.92 0.58 0.00	33.70 0.43 0.00	31.89 0.14 0.00	31.95 -0.21 0.00	32.47 0.00 0.00	37.08 0.68 0.00	33.54 1.37 0.00	45.21 2.20 0.00	51.19 2.57 0.00	52.93 3.16 0.00	55.22 3.46 0.00	54.94 3.02 0.00	60.71 3.27 0.00	56.71 1.89 0.00	66.84 2.35 0.00	82.59 1.11 0.00	89.38 3.58 0.00	89.91 3.16 0.00	90.58 3.69 0.00	85.90 3.35 0.00	75.14 4.10 0.00	52.42 3.40 0.00
LOCKPORT___CC1 323769	48.12 1.17 0.00	34.15 0.47 0.00	35.78 0.44 0.00	33.56 0.30 0.00	31.76 0.02 0.00	31.84 -0.32 0.00	32.35 -0.12 0.00	36.93 0.54 0.00	33.38 1.22 0.00	45.04 2.03 0.00	50.96 2.34 0.00	52.70 2.93 0.00	54.97 3.21 0.00	54.65 2.74 0.00	60.45 3.01 0.00	56.46 1.64 0.00	66.53 2.04 0.00	82.64 1.16 0.00	89.00 3.19 0.00	89.45 2.70 0.00	90.16 3.27 0.00	85.53 2.98 0.00	74.79 3.74 0.00	52.21 3.19 0.00
LOCKPORT___CC2 323770	48.12 1.17 0.00	34.15 0.47 0.00	35.78 0.44 0.00	33.56 0.30 0.00	31.76 0.02 0.00	31.84 -0.32 0.00	32.35 -0.12 0.00	36.93 0.54 0.00	33.38 1.22 0.00	45.04 2.03 0.00	50.96 2.34 0.00	52.70 2.93 0.00	54.97 3.21 0.00	54.65 2.74 0.00	60.45 3.01 0.00	56.46 1.64 0.00	66.53 2.04 0.00	82.64 1.16 0.00	89.00 3.19 0.00	89.45 2.70 0.00	90.16 3.27 0.00	85.53 2.98 0.00	74.79 3.74 0.00	52.21 3.19 0.00
LOCKPORT___CC3 323771	48.12 1.17 0.00	34.15 0.47 0.00	35.78 0.44 0.00	33.56 0.30 0.00	31.76 0.02 0.00	31.84 -0.32 0.00	32.35 -0.12 0.00	36.93 0.54 0.00	33.38 1.22 0.00	45.04 2.03 0.00	50.96 2.34 0.00	52.70 2.93 0.00	54.97 3.21 0.00	54.65 2.74 0.00	60.45 3.01 0.00	56.46 1.64 0.00	66.53 2.04 0.00	82.64 1.16 0.00	89.00 3.19 0.00	89.45 2.70 0.00	90.16 3.27 0.00	85.53 2.98 0.00	74.79 3.74 0.00	52.21 3.19 0.00
LOCUSVLY_69_KV_BK2 55797	49.78 2.84 0.00	37.76 2.25 -1.82	37.43 2.09 0.00	35.19 1.93 0.00	33.58 1.83 0.00	33.90 1.74 0.00	34.27 1.80 0.00	38.33 1.59 -0.34	33.51 1.32 -0.02	45.67 1.50 -1.16	51.77 2.46 -0.69	54.34 2.17 -2.41	54.94 2.21 -0.96	55.90 2.33 -1.67	59.60 2.16 0.00	57.84 3.00 -0.02	68.12 3.54 -0.09	86.62 5.92 0.78	91.24 5.90 0.47	92.15 5.40 0.00	91.43 4.54 0.00	86.43 3.88 0.00	73.39 2.60 0.26	54.27 2.11 -3.14
LONG_LAKE_PHOENIX 24014	47.31 -0.20 -0.57	33.49 -0.20 0.00	35.11 -0.23 0.00	33.03 -0.24 0.00	31.49 -0.25 0.00	31.85 -0.30 0.00	32.18 -0.28 0.00	36.11 -0.29 0.00	31.97 -0.19 0.00	42.71 -0.31 0.00	48.37 -0.25 0.00	49.63 -0.13 0.00	51.76 0.00 0.00	51.84 -0.07 0.00	57.61 -0.04 -0.21	54.89 0.02 -0.05	64.91 0.20 -0.21	88.60 0.29 -6.84	92.99 0.55 -6.64	87.54 0.41 -0.38	89.42 0.23 -2.29	86.32 0.01 -3.76	73.92 -0.12 -2.99	48.96 -0.07 0.00
LOVETT___3 23632	48.98 2.04 0.00	37.06 1.67 -1.71	36.90 1.56 0.00	34.74 1.48 0.00	33.17 1.43 0.00	33.54 1.39 0.00	33.92 1.45 0.00	38.05 1.33 -0.32	33.33 1.15 -0.02	45.33 1.22 -1.10	50.71 1.44 -0.65	53.52 1.48 -2.27	54.12 1.44 -0.91	54.99 1.51 -1.57	59.07 1.63 0.00	56.98 2.13 -0.02	67.49 2.85 -0.14	85.97 4.50 0.00	90.92 5.11 0.00	91.36 4.61 0.00	90.57 3.68 0.00	85.58 3.03 0.00	73.29 2.24 0.00	53.92 1.68 -3.22
LOVETT___4 23642	48.98 2.04 0.00	37.06 1.67 -1.71	36.90 1.56 0.00	34.74 1.48 0.00	33.17 1.43 0.00	33.54 1.39 0.00	33.92 1.45 0.00	38.05 1.33 -0.32	33.33 1.15 -0.02	45.33 1.22 -1.10	50.71 1.44 -0.65	53.52 1.48 -2.27	54.12 1.44 -0.91	54.99 1.51 -1.57	59.07 1.63 0.00	56.98 2.13 -0.02	67.49 2.85 -0.14	85.97 4.50 0.00	90.92 5.11 0.00	91.36 4.61 0.00	90.57 3.68 0.00	85.58 3.03 0.00	73.29 2.24 0.00	53.92 1.68 -3.22
LOVETT___5 23593	48.98 2.04 0.00	37.06 1.67 -1.71	36.90 1.56 0.00	34.74 1.48 0.00	33.17 1.43 0.00	33.54 1.39 0.00	33.92 1.45 0.00	38.05 1.33 -0.32	33.33 1.15 -0.02	45.33 1.22 -1.10	50.71 1.44 -0.65	53.52 1.48 -2.27	54.12 1.44 -0.91	54.99 1.51 -1.57	59.07 1.63 0.00	56.98 2.13 -0.02	67.49 2.85 -0.14	85.97 4.50 0.00	90.92 5.11 0.00	91.36 4.61 0.00	90.57 3.68 0.00	85.58 3.03 0.00	73.29 2.24 0.00	53.92 1.68 -3.22
LOWER RAQUET___HYD 24057	47.17 0.22 0.00	33.50 -0.19 0.00	34.96 -0.38 0.00	32.89 -0.37 0.00	31.36 -0.39 0.00	31.95 -0.21 0.00	32.20 -0.27 0.00	36.28 -0.12 0.00	32.16 0.00 0.00	43.47 0.46 0.00	49.16 0.54 0.00	50.07 0.30 0.00	52.18 0.41 0.00	52.20 0.29 0.00	57.50 0.06 0.00	54.50 -0.32 0.00	63.88 -0.61 0.00	80.42 -1.06 0.00	83.46 -2.35 0.00	86.27 -0.48 0.00	87.49 0.59 0.00	83.26 0.71 0.00	71.62 0.57 0.00	49.33 0.31 0.00
LOWER___HUDSON 24059	48.05 1.11 0.00	32.63 1.07 2.13	36.55 1.22 0.00	34.44 1.17 0.00	32.93 1.19 0.00	33.32 1.16 0.00	33.64 1.17 0.00	36.96 0.97 0.40	32.85 0.72 0.03	42.02 0.37 1.36	48.10 0.29 0.81	47.18 0.23 2.82	50.68 0.05 1.13	50.14 0.18 1.95	57.75 0.31 0.00	55.40 0.60 0.03	65.25 0.93 0.17	83.64 2.16 0.00	88.92 3.11 0.00	89.67 2.92 0.00	89.02 2.12 0.00	84.41 1.86 0.00	72.34 1.29 0.00	45.93 0.91 4.00
LOWVILLE_115KV_TB2 356335	48.31 1.28 -0.09	34.18 0.49 0.00	35.57 0.24 0.00	33.66 0.39 0.00	32.23 0.49 0.00	32.87 0.71 0.00	33.02 0.56 0.00	37.02 0.62 0.00	32.72 0.55 0.00	43.96 0.94 0.00	49.88 1.25 0.00	50.89 1.13 0.00	53.51 1.74 0.00	52.67 0.76 0.00	58.17 0.70 -0.04	56.57 1.74 -0.01	65.51 0.98 -0.04	85.79 3.18 -1.13	91.22 4.32 -1.10	92.34 5.53 -0.06	93.15 5.88 -0.38	87.36 4.19 -0.62	74.27 2.73 -0.49	50.96 1.93 0.00
LUTHERFT_115KV_GLOB_FND_222 355753	49.10 2.16 0.00	33.76 1.72 1.65	37.26 1.92 0.00	35.07 1.80 0.00	33.49 1.75 0.00	33.88 1.72 0.00	34.23 1.76 0.00	37.77 1.69 0.31	33.50 1.35 0.02	43.28 1.32 1.06	49.25 1.27 0.63	48.86 1.27 2.18	52.03 1.14 0.88	51.72 1.32 1.51	59.04 1.60 0.00	56.64 1.85 0.02	66.94 2.58 0.13	85.82 4.34 0.00	91.45 5.65 0.00	92.26 5.51 0.00	91.69 4.80 0.00	86.83 4.28 0.00	74.34 3.29 0.00	48.14 2.21 3.09

LUTHERNY_35_KV_BK2 355980	49.12 2.18 0.00	33.78 1.74 1.65	37.27 1.93 0.00	35.07 1.80 0.00	33.48 1.73 0.00	33.88 1.73 0.00	34.23 1.76 0.00	37.78 1.69 0.31	33.52 1.38 0.02	43.33 1.37 1.06	49.31 1.32 0.63	48.95 1.37 2.18	52.10 1.21 0.88	51.79 1.39 1.51	59.12 1.69 0.00	56.71 1.91 0.02	67.07 2.71 0.13	86.00 4.52 0.00	91.62 5.81 0.00	92.44 5.69 0.00	91.78 4.89 0.00	86.86 4.31 0.00	74.42 3.37 0.00	48.18 2.25 3.09
LWR___OSWEGATCHIE_HYD 23850	47.77 0.74 -0.08	33.83 0.14 0.00	35.25 -0.09 0.00	33.25 -0.02 0.00	31.77 0.02 0.00	32.37 0.21 0.00	32.58 0.11 0.00	36.60 0.20 0.00	32.39 0.22 0.00	43.63 0.62 0.00	49.37 0.76 0.00	50.37 0.60 0.00	52.82 1.06 0.00	52.35 0.44 0.00	57.71 0.24 -0.03	55.40 0.57 -0.01	64.55 0.03 -0.03	83.41 0.90 -1.03	87.73 0.92 -1.00	89.29 2.48 -0.06	90.56 3.32 -0.34	85.63 2.51 -0.57	73.16 1.66 -0.45	50.13 1.11 0.00
LYONS_FALL_HYD 23570	48.36 1.36 -0.06	34.38 0.70 0.00	35.89 0.56 0.00	33.89 0.62 0.00	32.41 0.66 0.00	32.95 0.80 0.00	33.18 0.71 0.00	37.18 0.79 0.00	32.85 0.69 0.00	44.11 1.09 0.00	49.95 1.33 0.00	51.00 1.23 0.00	53.44 1.68 0.00	53.03 1.12 0.00	58.66 1.20 -0.02	56.68 1.85 0.00	66.17 1.65 -0.02	85.65 3.46 -0.72	90.80 4.30 -0.69	91.74 4.95 -0.04	92.19 5.05 -0.24	86.78 3.84 -0.39	74.01 2.65 -0.31	50.84 1.82 0.00
MADISON___COUNTY_LFGE 323628	48.60 1.66 0.00	34.79 1.11 0.00	36.45 1.11 0.00	34.33 1.06 0.00	32.76 1.02 0.00	33.16 1.00 0.00	33.49 1.01 0.00	37.53 1.13 0.00	33.11 0.94 0.00	44.43 1.41 0.00	50.19 1.57 0.00	51.18 1.41 0.00	53.54 1.77 0.00	53.61 1.70 0.00	59.50 2.06 0.00	56.97 2.15 0.00	67.24 2.75 0.00	85.72 4.24 0.00	90.84 5.03 0.00	91.51 4.77 0.00	91.35 4.46 0.00	86.45 3.90 0.00	74.07 3.02 0.00	51.02 1.99 0.00
MALONE___115KV_TB1 356076	47.06 0.12 0.00	33.41 -0.28 0.00	34.85 -0.49 0.00	32.74 -0.53 0.00	31.16 -0.59 0.00	31.73 -0.43 0.00	32.06 -0.40 0.00	36.27 -0.13 0.00	32.22 0.06 0.00	43.61 0.60 0.00	49.25 0.63 0.00	50.27 0.50 0.00	52.19 0.43 0.00	52.29 0.38 0.00	57.60 0.16 0.00	54.56 -0.26 0.00	64.02 -0.47 0.00	80.92 -0.55 0.00	84.31 -1.50 0.00	86.52 -0.23 0.00	87.37 0.47 0.00	83.21 0.66 0.00	71.44 0.39 0.00	49.09 0.07 0.00
MAPLEWOD_115KV_TB3 80458	47.68 0.74 0.00	32.85 0.75 1.58	36.24 0.90 0.00	34.16 0.89 0.00	32.70 0.96 0.00	33.08 0.93 0.00	33.39 0.92 0.00	36.82 0.72 0.30	32.63 0.49 0.02	42.09 0.09 1.01	48.06 0.05 0.60	47.65 -0.01 2.10	50.85 -0.07 0.84	50.53 0.07 1.45	57.59 0.15 0.00	55.28 0.48 0.02	65.16 0.79 0.13	83.39 1.91 0.00	88.52 2.71 0.00	89.25 2.50 0.00	88.59 1.70 0.00	83.95 1.40 0.00	71.95 0.91 0.00	46.71 0.66 2.98
MAPLE_RIDGE_WT_1 323574	46.22 -0.72 0.00	33.03 -0.66 0.00	34.68 -0.66 0.00	32.66 -0.61 0.00	31.19 -0.56 0.00	31.62 -0.53 0.00	31.93 -0.54 0.00	35.90 -0.49 0.00	31.78 -0.39 0.00	42.73 -0.29 0.00	48.32 -0.30 0.00	49.38 -0.39 0.00	51.32 -0.44 0.00	51.31 -0.60 0.00	56.65 -0.79 0.00	54.37 -0.46 0.00	63.73 -0.76 0.00	80.89 -0.59 0.00	85.16 -0.64 0.00	86.30 -0.45 0.00	86.29 -0.61 0.00	81.61 -0.94 0.00	70.21 -0.84 0.00	48.50 -0.52 0.00
MAPLE_RIDGE_WT_2 323611	46.22 -0.72 0.00	33.03 -0.66 0.00	34.68 -0.66 0.00	32.66 -0.61 0.00	31.19 -0.56 0.00	31.62 -0.53 0.00	31.93 -0.54 0.00	35.90 -0.49 0.00	31.78 -0.39 0.00	42.73 -0.29 0.00	48.32 -0.30 0.00	49.38 -0.39 0.00	51.32 -0.44 0.00	51.31 -0.60 0.00	56.65 -0.79 0.00	54.37 -0.46 0.00	63.73 -0.76 0.00	80.89 -0.59 0.00	85.16 -0.64 0.00	86.30 -0.45 0.00	86.29 -0.61 0.00	81.61 -0.94 0.00	70.21 -0.84 0.00	48.50 -0.52 0.00
MARBLE_RIVER_WT_PWR 323696	46.15 -0.79 0.00	32.83 -0.86 0.00	34.27 -1.07 0.00	32.21 -1.06 0.00	30.64 -1.11 0.00	31.19 -0.97 0.00	31.54 -0.93 0.00	35.65 -0.74 0.00	31.71 -0.46 0.00	42.88 -0.14 0.00	48.33 -0.29 0.00	49.40 -0.37 0.00	51.19 -0.57 0.00	51.27 -0.65 0.00	56.33 -1.11 0.00	53.22 -1.60 0.00	62.79 -1.70 0.00	79.09 -2.39 0.00	82.77 -3.04 0.00	84.47 -2.27 0.00	85.22 -1.67 0.00	81.15 -1.40 0.00	69.74 -1.31 0.00	47.97 -1.06 0.00
MARSHVLE_115KV_TB1 80742	50.49 3.55 0.00	34.96 2.23 0.96	37.64 2.30 0.00	35.40 2.13 0.00	33.65 1.90 0.00	34.04 1.88 0.00	34.39 1.92 0.00	38.27 2.05 0.18	33.84 1.69 0.01	44.85 2.44 0.61	51.25 2.99 0.36	51.84 3.34 1.27	54.55 3.29 0.51	54.34 3.30 0.88	60.74 3.30 0.00	58.07 3.27 0.01	68.41 3.99 0.08	86.86 5.38 0.00	92.20 6.40 0.00	94.01 7.26 0.00	94.67 7.78 0.00	89.61 7.06 0.00	77.06 6.01 0.00	51.31 4.08 1.80
MARSH_HILL_WT_PWR 323713	47.98 1.04 0.00	34.25 0.56 0.00	35.94 0.60 0.00	33.87 0.60 0.00	32.10 0.35 0.00	32.51 0.35 0.00	33.03 0.56 0.00	37.38 0.99 0.00	33.74 1.58 0.00	45.22 2.20 0.00	50.68 2.07 0.00	52.01 2.24 0.00	54.18 2.42 0.00	53.98 2.07 0.00	60.27 2.83 0.00	56.82 2.00 0.00	67.49 2.99 0.00	85.54 4.06 0.00	90.86 5.05 0.00	92.24 5.49 0.00	92.88 5.99 0.00	87.99 5.44 0.00	76.11 5.06 0.00	52.73 3.71 0.00
MCINTYRE_115KV_TB2 80467	48.35 1.41 0.00	34.34 0.65 0.00	35.82 0.49 0.00	33.68 0.41 0.00	32.09 0.35 0.00	32.69 0.54 0.00	32.94 0.47 0.00	36.96 0.56 0.00	32.65 0.48 0.00	43.93 0.92 0.00	49.69 1.07 0.00	50.60 0.84 0.00	52.72 0.96 0.00	53.00 1.09 0.00	58.35 0.92 0.00	55.15 0.33 0.00	65.13 0.63 0.00	81.28 -0.20 0.00	84.42 -1.39 0.00	87.95 1.20 0.00	89.48 2.59 0.00	85.39 2.84 0.00	73.53 2.48 0.00	50.56 1.54 0.00
MECO_____69_KV_BK1 80468	50.85 3.91 0.00	35.25 2.62 1.06	38.11 2.78 0.00	35.84 2.57 0.00	34.10 2.36 0.00	34.50 2.34 0.00	34.84 2.37 0.00	38.70 2.50 0.20	33.95 1.79 0.01	44.34 2.00 0.68	50.68 2.47 0.40	51.21 2.84 1.40	53.95 2.75 0.56	54.12 3.19 0.97	60.19 2.75 0.00	57.68 2.87 0.01	68.89 4.48 0.09	87.78 6.30 0.00	93.59 7.79 0.00	95.63 8.88 0.00	95.88 8.98 0.00	90.56 8.01 0.00	77.63 6.58 0.00	51.42 4.38 1.99
MENANDS___115KV_TB5 355628	47.22 0.27 0.00	32.56 0.45 1.58	35.93 0.59 0.00	33.87 0.60 0.00	32.45 0.70 0.00	32.84 0.68 0.00	33.15 0.68 0.00	36.53 0.43 0.30	32.36 0.22 0.02	41.72 -0.29 1.01	47.64 -0.38 0.60	47.24 -0.44 2.09	50.39 -0.54 0.84	50.03 -0.44 1.45	57.03 -0.41 0.00	54.72 -0.08 0.02	64.47 0.10 0.13	82.47 0.99 0.00	87.47 1.66 0.00	88.19 1.44 0.00	87.53 0.64 0.00	82.94 0.39 0.00	71.12 0.07 0.00	46.16 0.10 2.97
MG INDUSTRY___DRP 24185	46.35 -0.59 0.00	32.60 -0.21 0.87	35.29 -0.05 0.00	33.29 0.02 0.00	31.87 0.13 0.00	32.26 0.11 0.00	32.55 0.08 0.00	36.05 -0.18 0.16	31.74 -0.41 0.01	41.46 -1.00 0.55	47.04 -1.25 0.33	47.23 -1.38 1.15	49.72 -1.58 0.46	49.57 -1.54 0.80	55.76 -1.68 0.00	53.48 -1.32 0.01	63.04 -1.38 0.07	80.41 -1.07 0.00	85.29 -0.52 0.00	86.19 -0.56 0.00	85.71 -1.19 0.00	81.25 -1.30 0.00	69.76 -1.29 0.00	46.61 -0.78 1.63

MID___OSWEGATCHIE_HYD 23849	47.77 0.74 -0.08	33.83 0.14 0.00	35.25 -0.09 0.00	33.25 -0.02 0.00	31.77 0.02 0.00	32.37 0.21 0.00	32.58 0.11 0.00	36.60 0.20 0.00	32.39 0.22 0.00	43.63 0.62 0.00	49.37 0.76 0.00	50.37 0.60 0.00	52.82 1.06 0.00	52.35 0.44 0.00	57.71 0.24 -0.03	55.40 0.57 -0.01	64.55 0.03 -0.03	83.41 0.90 -1.03	87.73 0.92 -1.00	89.29 2.48 -0.06	90.56 3.32 -0.34	85.63 2.51 -0.57	73.16 1.66 -0.45	50.13 1.11 0.00
MID___RAQUETTE_HYD 23851	47.17 0.22 0.00	33.50 -0.19 0.00	34.96 -0.37 0.00	32.89 -0.38 0.00	31.36 -0.39 0.00	31.95 -0.21 0.00	32.20 -0.27 0.00	36.28 -0.12 0.00	32.16 0.00 0.00	43.47 0.46 0.00	49.16 0.54 0.00	50.06 0.30 0.00	52.18 0.41 0.00	52.20 0.29 0.00	57.50 0.06 0.00	54.50 -0.32 0.00	63.88 -0.62 0.00	80.44 -1.04 0.00	83.46 -2.34 0.00	86.27 -0.48 0.00	87.49 0.59 0.00	83.26 0.71 0.00	71.62 0.57 0.00	49.33 0.31 0.00
MILLIKEN___1 23584	48.51 1.51 -0.07	34.71 1.03 0.00	36.42 1.08 0.00	34.24 0.98 0.00	32.67 0.92 0.00	33.03 0.88 0.00	33.40 0.93 0.00	37.49 1.10 0.00	33.11 0.94 0.00	44.12 1.10 0.00	49.80 1.18 0.00	50.98 1.21 0.00	53.32 1.55 0.00	53.54 1.63 0.00	59.56 2.10 -0.02	56.82 1.99 -0.01	67.30 2.78 -0.02	85.81 3.55 -0.78	91.32 4.75 -0.76	91.20 4.41 -0.05	91.25 4.10 -0.26	86.69 3.71 -0.43	74.49 3.10 -0.34	51.02 2.00 0.00
MILLIKEN___2 23585	48.51 1.51 -0.07	34.71 1.03 0.00	36.42 1.08 0.00	34.24 0.98 0.00	32.67 0.92 0.00	33.03 0.88 0.00	33.40 0.93 0.00	37.49 1.10 0.00	33.11 0.94 0.00	44.12 1.10 0.00	49.80 1.18 0.00	50.98 1.21 0.00	53.32 1.55 0.00	53.54 1.63 0.00	59.56 2.10 -0.02	56.82 1.99 -0.01	67.30 2.78 -0.02	85.81 3.55 -0.78	91.32 4.75 -0.76	91.20 4.41 -0.05	91.25 4.10 -0.26	86.69 3.71 -0.43	74.49 3.10 -0.34	51.02 2.00 0.00
MILLIKEN___DIESEL 23629	48.51 1.51 -0.07	34.71 1.03 0.00	36.42 1.08 0.00	34.24 0.98 0.00	32.67 0.92 0.00	33.03 0.88 0.00	33.40 0.93 0.00	37.49 1.10 0.00	33.11 0.94 0.00	44.12 1.10 0.00	49.80 1.18 0.00	50.98 1.21 0.00	53.32 1.55 0.00	53.54 1.63 0.00	59.56 2.10 -0.02	56.82 1.99 -0.01	67.30 2.78 -0.02	85.81 3.55 -0.78	91.32 4.75 -0.76	91.20 4.41 -0.05	91.25 4.10 -0.26	86.69 3.71 -0.43	74.49 3.10 -0.34	51.02 2.00 0.00
MILLSEAT___LFGE 323607	49.44 2.50 0.00	35.08 1.39 0.00	36.71 1.37 0.00	34.41 1.14 0.00	32.58 0.83 0.00	32.67 0.52 0.00	33.16 0.69 0.00	37.77 1.37 0.00	34.11 1.94 0.00	45.92 2.90 0.00	51.91 3.29 0.00	53.69 3.92 0.00	56.08 4.32 0.00	56.01 4.10 0.00	61.99 4.56 0.00	57.84 3.02 0.00	68.33 3.83 0.00	85.19 3.71 0.00	91.78 5.97 0.00	92.57 5.82 0.00	93.27 6.38 0.00	88.43 5.88 0.00	76.99 5.94 0.00	53.52 4.49 0.00
MILLWOOD_138_KV_38W41_REV_LBMP_H 345005	49.06 2.12 0.00	37.22 1.74 -1.80	36.98 1.64 0.00	34.83 1.56 0.00	33.25 1.50 0.00	33.61 1.46 0.00	33.99 1.52 0.00	38.13 1.40 -0.34	33.39 1.20 -0.02	45.44 1.28 -1.15	50.84 1.53 -0.69	53.71 1.56 -2.38	54.23 1.51 -0.96	55.13 1.57 -1.65	59.15 1.71 0.00	57.05 2.21 -0.02	67.56 2.92 -0.15	86.07 4.59 0.00	91.01 5.21 0.00	91.45 4.70 0.00	90.65 3.75 0.00	85.69 3.14 0.00	73.36 2.31 0.00	54.15 1.74 -3.38
MILLWOOD_13_KV_LOAD 356217	49.16 2.21 0.00	37.29 1.80 -1.80	37.05 1.71 0.00	34.89 1.62 0.00	33.30 1.55 0.00	33.67 1.52 0.00	34.06 1.58 0.00	38.19 1.46 -0.34	33.45 1.27 -0.02	45.54 1.37 -1.15	50.93 1.63 -0.69	53.82 1.67 -2.38	54.36 1.64 -0.96	55.25 1.69 -1.65	59.29 1.85 0.00	57.21 2.36 -0.02	67.73 3.08 -0.15	86.31 4.83 0.00	91.27 5.47 0.00	91.69 4.94 0.00	90.88 3.99 0.00	85.87 3.32 0.00	73.53 2.48 0.00	54.26 1.85 -3.38
MODEL_CITY_ENERGY 24167	47.95 1.01 0.00	34.05 0.36 0.00	35.67 0.33 0.00	33.47 0.20 0.00	31.67 -0.07 0.00	31.74 -0.42 0.00	32.27 -0.20 0.00	36.88 0.49 0.00	33.34 1.18 0.00	44.96 1.95 0.00	50.89 2.27 0.00	52.63 2.87 0.00	54.90 3.13 0.00	54.57 2.66 0.00	60.26 2.82 0.00	56.28 1.46 0.00	66.33 1.83 0.00	82.31 0.83 0.00	88.63 2.82 0.00	89.06 2.31 0.00	89.72 2.82 0.00	85.09 2.54 0.00	74.49 3.44 0.00	52.01 2.99 0.00
MODERN_LFGE___ 323580	47.95 1.01 0.00	34.05 0.36 0.00	35.67 0.33 0.00	33.47 0.20 0.00	31.67 -0.07 0.00	31.74 -0.42 0.00	32.27 -0.20 0.00	36.88 0.49 0.00	33.34 1.18 0.00	44.96 1.95 0.00	50.89 2.27 0.00	52.63 2.87 0.00	54.90 3.13 0.00	54.57 2.66 0.00	60.26 2.82 0.00	56.28 1.46 0.00	66.33 1.83 0.00	82.31 0.83 0.00	88.63 2.82 0.00	89.06 2.31 0.00	89.72 2.82 0.00	85.09 2.54 0.00	74.49 3.44 0.00	52.01 2.99 0.00
MOHAWK_PAPER___DRP 24187	47.68 0.74 0.00	32.85 0.75 1.58	36.24 0.90 0.00	34.16 0.89 0.00	32.70 0.96 0.00	33.08 0.93 0.00	33.39 0.92 0.00	36.82 0.72 0.30	32.63 0.49 0.02	42.09 0.09 1.01	48.06 0.05 0.60	47.65 -0.01 2.10	50.85 -0.07 0.84	50.53 0.07 1.45	57.59 0.15 0.00	55.28 0.48 0.02	65.16 0.79 0.13	83.39 1.91 0.00	88.52 2.71 0.00	89.25 2.50 0.00	88.59 1.70 0.00	83.95 1.40 0.00	71.95 0.91 0.00	46.71 0.66 2.98
MOHICAN___35_KV_115KV_LD 80490	49.68 2.74 0.00	34.22 2.15 1.62	37.74 2.40 0.00	35.48 2.21 0.00	33.86 2.12 0.00	34.23 2.08 0.00	34.62 2.15 0.00	38.14 2.05 0.30	33.82 1.67 0.02	43.62 1.64 1.03	49.43 1.43 0.62	49.02 1.39 2.14	52.09 1.18 0.86	51.80 1.37 1.48	59.19 1.75 0.00	56.91 2.12 0.02	67.38 3.01 0.13	86.85 5.37 0.00	92.96 7.15 0.00	93.65 6.90 0.00	93.11 6.21 0.00	88.28 5.73 0.00	75.28 4.23 0.00	48.79 2.80 3.03
MONGAUP___HYD 23641	49.43 2.48 0.00	37.07 1.87 -1.51	37.18 1.84 0.00	35.00 1.73 0.00	33.40 1.66 0.00	33.78 1.63 0.00	34.15 1.69 0.00	38.32 1.64 -0.28	33.58 1.40 -0.02	45.46 1.48 -0.96	50.76 1.57 -0.57	53.59 1.82 -2.00	54.30 1.74 -0.80	54.72 1.43 -1.38	59.50 2.06 0.00	56.87 2.02 -0.02	67.60 2.98 -0.12	85.75 4.27 0.00	91.14 5.34 0.00	92.06 5.31 0.00	91.60 4.71 0.00	87.08 4.53 0.00	74.46 3.41 0.00	54.22 2.37 -2.83
MONTAUK___DIESEL 23721	51.30 4.36 0.00	38.86 3.36 -1.82	38.54 3.20 0.00	36.13 2.86 0.00	34.46 2.71 0.00	34.74 2.59 0.00	35.08 2.61 0.00	39.02 2.28 -0.34	34.34 2.15 -0.02	46.83 2.65 -1.16	53.71 4.40 -0.69	56.45 4.28 -2.41	57.06 4.33 -0.96	57.85 4.27 -1.67	61.86 4.43 0.01	60.43 5.59 -0.02	69.77 6.44 1.16	87.89 10.20 3.79	91.41 9.61 4.01	92.88 8.81 2.68	94.35 7.46 0.00	89.32 6.77 0.00	75.80 5.29 0.53	55.60 3.74 -2.84
MOONROAD_115KV_HARTFLD_TB1-2 355988	49.07 2.13 0.00	34.92 1.24 0.00	36.90 1.56 0.00	34.56 1.30 0.00	32.62 0.87 0.00	32.90 0.74 0.00	33.38 0.91 0.00	37.99 1.59 0.00	34.70 2.53 0.00	47.01 4.00 0.00	53.06 4.44 0.00	54.57 4.80 0.00	56.91 5.14 0.00	56.97 5.06 0.00	63.33 5.89 0.00	58.82 4.00 0.00	69.90 5.40 0.00	87.15 5.67 0.00	94.29 8.48 0.00	94.79 8.04 0.00	95.45 8.56 0.00	90.61 8.06 0.00	78.90 7.86 0.00	54.67 5.65 0.00

MORRIS_RIDGE___SOLAR 323848	47.78 0.84 0.00	34.09 0.41 0.00	35.76 0.42 0.00	33.63 0.36 0.00	31.96 0.22 0.00	32.25 0.10 0.00	32.67 0.21 0.00	36.93 0.53 0.00	33.27 1.11 0.00	44.61 1.60 0.00	50.01 1.39 0.00	51.31 1.54 0.00	53.66 1.90 0.00	53.58 1.67 0.00	59.89 2.45 0.00	56.22 1.40 0.00	66.52 2.03 0.00	83.93 2.46 0.00	89.55 3.74 0.00	90.53 3.79 0.00	91.36 4.47 0.00	86.61 4.06 0.00	75.20 4.14 0.00	52.12 3.10 0.00
MORTIMER_115KV_TB3 55949	48.84 1.90 0.00	34.77 1.09 0.00	36.40 1.06 0.00	34.19 0.92 0.00	32.44 0.69 0.00	32.65 0.50 0.00	33.07 0.60 0.00	37.45 1.05 0.00	33.61 1.45 0.00	45.19 2.17 0.00	51.24 2.63 0.00	52.89 3.12 0.00	55.30 3.54 0.00	55.35 3.44 0.00	61.26 3.82 0.00	57.68 2.86 0.00	68.12 3.62 0.00	85.10 3.62 0.00	91.05 5.24 0.00	91.77 5.02 0.00	91.98 5.09 0.00	87.07 4.52 0.00	75.40 4.35 0.00	52.28 3.25 0.00
MOTTHAVN_138_KV_9M4_REV_LBMP_J 345006	49.37 2.43 0.00	37.51 2.00 -1.82	37.23 1.89 0.00	35.05 1.78 0.00	33.45 1.71 0.00	33.80 1.65 0.00	34.19 1.72 0.00	38.36 1.62 -0.34	33.62 1.43 -0.02	45.75 1.58 -1.16	51.13 1.82 -0.69	53.99 1.82 -2.41	54.50 1.76 -0.96	55.38 1.81 -1.67	59.40 1.96 0.00	57.36 2.52 -0.02	67.90 3.26 -0.15	86.53 5.05 0.00	91.45 5.65 0.00	91.86 5.12 0.00	91.06 4.17 0.00	86.05 3.50 0.00	73.68 2.63 0.00	54.46 2.02 -3.41
MUNSVILLE_WIND_PWR 323609	49.99 3.05 0.00	35.73 2.04 0.00	37.61 2.27 0.00	35.20 1.94 0.00	33.80 2.06 0.00	34.25 2.09 0.00	34.69 2.22 0.00	38.98 2.58 0.00	34.52 2.35 0.00	46.25 3.24 0.00	52.76 4.14 0.00	53.56 3.79 0.00	55.71 3.94 0.00	56.16 4.25 0.00	62.41 4.98 0.00	60.08 5.26 0.00	70.91 6.41 0.00	89.83 8.35 0.00	96.55 10.74 0.00	98.19 11.44 0.00	97.29 10.40 0.00	91.72 9.17 0.00	78.03 6.99 0.00	53.32 4.30 0.00
N SALMON___HYD 24042	47.06 0.12 0.00	33.40 -0.28 0.00	34.85 -0.49 0.00	32.74 -0.53 0.00	31.16 -0.59 0.00	31.73 -0.42 0.00	32.06 -0.41 0.00	36.27 -0.13 0.00	32.22 0.06 0.00	43.61 0.60 0.00	49.25 0.63 0.00	50.27 0.50 0.00	52.19 0.43 0.00	52.29 0.38 0.00	57.60 0.16 0.00	54.56 -0.26 0.00	64.03 -0.47 0.00	80.91 -0.57 0.00	84.30 -1.51 0.00	86.52 -0.23 0.00	87.37 0.48 0.00	83.21 0.65 0.00	71.44 0.39 0.00	49.09 0.07 0.00
N.AKRON__115KV_KNAPP 355671	49.14 2.20 0.00	34.86 1.17 0.00	36.49 1.15 0.00	34.22 0.95 0.00	32.39 0.64 0.00	32.47 0.32 0.00	32.97 0.50 0.00	37.61 1.21 0.00	33.98 1.81 0.00	45.75 2.74 0.00	51.78 3.16 0.00	53.54 3.77 0.00	55.93 4.17 0.00	55.75 3.84 0.00	61.66 4.22 0.00	57.55 2.73 0.00	67.97 3.47 0.00	84.21 2.73 0.00	91.12 5.31 0.00	91.84 5.09 0.00	92.50 5.60 0.00	87.70 5.14 0.00	76.50 5.44 0.00	53.23 4.20 0.00
N.E_GEN_SANDY PD 24062	47.56 0.87 0.25	23.39 0.98 11.27	36.38 1.04 0.00	34.29 1.02 0.00	32.80 1.05 0.00	33.19 1.04 0.00	33.68 1.05 -0.17	34.24 0.74 2.89	33.14 0.55 -0.43	35.34 0.14 7.81	44.25 0.13 4.51	34.16 0.06 15.67	45.39 -0.09 6.28	41.05 -0.01 10.86	57.47 0.03 0.00	55.07 0.41 0.16	64.18 0.65 0.97	83.32 1.84 0.00	88.44 2.63 -0.01	88.67 2.33 0.41	88.08 1.33 0.14	83.60 1.05 0.00	71.38 0.57 0.24	25.35 0.49 24.16
N.HEMPST_138_KV_BK345_REV_LBMP_G 345014	49.18 2.24 0.00	37.16 1.78 -1.70	37.01 1.67 0.00	34.86 1.59 0.00	33.27 1.52 0.00	33.64 1.48 0.00	34.02 1.55 0.00	38.16 1.45 -0.32	33.44 1.26 -0.02	45.49 1.38 -1.09	50.89 1.63 -0.65	53.73 1.71 -2.25	54.37 1.70 -0.90	55.25 1.79 -1.56	59.38 1.94 0.00	57.28 2.44 -0.02	67.88 3.25 -0.14	86.42 4.94 0.00	91.40 5.59 0.00	91.84 5.09 0.00	91.05 4.15 0.00	86.01 3.46 0.00	73.65 2.60 0.00	54.11 1.90 -3.19
N.QUEENS_27_KV_LOAD 356247	49.74 2.80 0.00	37.75 2.25 -1.82	37.44 2.10 0.00	35.26 1.99 0.00	33.64 1.90 0.00	33.98 1.82 0.00	34.37 1.90 0.00	38.55 1.81 -0.34	33.81 1.62 -0.02	45.92 1.74 -1.16	51.30 1.99 -0.69	54.17 2.00 -2.41	54.65 1.92 -0.96	55.55 1.97 -1.67	59.54 2.11 0.00	57.53 2.69 -0.02	68.18 3.48 -0.21	87.61 5.34 -0.79	92.22 5.93 -0.48	92.12 5.38 0.00	91.31 4.41 0.00	86.28 3.73 0.00	73.91 2.86 0.00	54.66 2.22 -3.41
N.TROY___115KV_TB1 355778	48.05 1.11 0.00	32.63 1.08 2.13	36.55 1.22 0.00	34.44 1.17 0.00	32.93 1.18 0.00	33.32 1.16 0.00	33.64 1.17 0.00	36.96 0.97 0.40	32.85 0.71 0.03	42.02 0.37 1.36	48.09 0.29 0.81	47.18 0.23 2.82	50.68 0.05 1.13	50.14 0.18 1.95	57.75 0.31 0.00	55.40 0.61 0.03	65.24 0.92 0.17	83.66 2.18 0.00	88.92 3.11 0.00	89.67 2.92 0.00	89.02 2.12 0.00	84.41 1.86 0.00	72.34 1.29 0.00	45.94 0.91 4.00
NARROWS_GT1_1 24228	49.62 2.67 0.00	37.73 2.23 -1.82	37.40 2.06 0.00	35.19 1.93 0.00	33.59 1.85 0.00	33.93 1.77 0.00	34.32 1.85 0.00	38.51 1.77 -0.34	33.79 1.60 -0.02	45.91 1.74 -1.16	51.20 1.89 -0.69	54.06 1.89 -2.41	54.54 1.81 -0.96	55.42 1.84 -1.67	59.37 1.93 0.00	57.39 2.55 -0.02	67.95 3.31 -0.15	86.48 5.00 0.00	91.52 5.71 0.00	91.95 5.20 0.00	91.14 4.25 0.00	86.07 3.52 0.00	73.75 2.70 0.00	54.61 2.17 -3.42
NARROWS_GT1_2 24229	49.62 2.67 0.00	37.73 2.23 -1.82	37.40 2.06 0.00	35.19 1.93 0.00	33.59 1.85 0.00	33.93 1.77 0.00	34.32 1.85 0.00	38.51 1.77 -0.34	33.79 1.60 -0.02	45.91 1.74 -1.16	51.20 1.89 -0.69	54.06 1.89 -2.41	54.54 1.81 -0.96	55.42 1.84 -1.67	59.37 1.93 0.00	57.39 2.55 -0.02	67.95 3.31 -0.15	86.48 5.00 0.00	91.52 5.71 0.00	91.95 5.20 0.00	91.14 4.25 0.00	86.07 3.52 0.00	73.75 2.70 0.00	54.61 2.17 -3.42
NARROWS_GT1_3 24230	49.62 2.67 0.00	37.73 2.23 -1.82	37.40 2.06 0.00	35.19 1.93 0.00	33.59 1.85 0.00	33.93 1.77 0.00	34.32 1.85 0.00	38.51 1.77 -0.34	33.79 1.60 -0.02	45.91 1.74 -1.16	51.20 1.89 -0.69	54.06 1.89 -2.41	54.54 1.81 -0.96	55.42 1.84 -1.67	59.37 1.93 0.00	57.39 2.55 -0.02	67.95 3.31 -0.15	86.48 5.00 0.00	91.52 5.71 0.00	91.95 5.20 0.00	91.14 4.25 0.00	86.07 3.52 0.00	73.75 2.70 0.00	54.61 2.17 -3.42
NARROWS_GT1_4 24231	49.62 2.67 0.00	37.73 2.23 -1.82	37.40 2.06 0.00	35.19 1.93 0.00	33.59 1.85 0.00	33.93 1.77 0.00	34.32 1.85 0.00	38.51 1.77 -0.34	33.79 1.60 -0.02	45.91 1.74 -1.16	51.20 1.89 -0.69	54.06 1.89 -2.41	54.54 1.81 -0.96	55.42 1.84 -1.67	59.37 1.93 0.00	57.39 2.55 -0.02	67.95 3.31 -0.15	86.48 5.00 0.00	91.52 5.71 0.00	91.95 5.20 0.00	91.14 4.25 0.00	86.07 3.52 0.00	73.75 2.70 0.00	54.61 2.17 -3.42
NARROWS_GT1_5 24232	49.62 2.67 0.00	37.73 2.23 -1.82	37.40 2.06 0.00	35.19 1.93 0.00	33.59 1.85 0.00	33.93 1.77 0.00	34.32 1.85 0.00	38.51 1.77 -0.34	33.79 1.60 -0.02	45.91 1.74 -1.16	51.20 1.89 -0.69	54.06 1.89 -2.41	54.54 1.81 -0.96	55.42 1.84 -1.67	59.37 1.93 0.00	57.39 2.55 -0.02	67.95 3.31 -0.15	86.48 5.00 0.00	91.52 5.71 0.00	91.95 5.20 0.00	91.14 4.25 0.00	86.07 3.52 0.00	73.75 2.70 0.00	54.61 2.17 -3.42

NARROWS_GT1_6 24233	49.62 2.67 0.00	37.73 2.23 -1.82	37.40 2.06 0.00	35.19 1.93 0.00	33.59 1.85 0.00	33.93 1.77 0.00	34.32 1.85 0.00	38.51 1.77 -0.34	33.79 1.60 -0.02	45.91 1.74 -1.16	51.20 1.89 -0.69	54.06 1.89 -2.41	54.54 1.81 -0.96	55.42 1.84 -1.67	59.37 1.93 0.00	57.39 2.55 -0.02	67.95 3.31 -0.15	86.48 5.00 0.00	91.52 5.71 0.00	91.95 5.20 0.00	91.14 4.25 0.00	86.07 3.52 0.00	73.75 2.70 0.00	54.61 2.17 -3.42
NARROWS_GT1_7 24234	49.62 2.67 0.00	37.73 2.23 -1.82	37.40 2.06 0.00	35.19 1.93 0.00	33.59 1.85 0.00	33.93 1.77 0.00	34.32 1.85 0.00	38.51 1.77 -0.34	33.79 1.60 -0.02	45.91 1.74 -1.16	51.20 1.89 -0.69	54.06 1.89 -2.41	54.54 1.81 -0.96	55.42 1.84 -1.67	59.37 1.93 0.00	57.39 2.55 -0.02	67.95 3.31 -0.15	86.48 5.00 0.00	91.52 5.71 0.00	91.95 5.20 0.00	91.14 4.25 0.00	86.07 3.52 0.00	73.75 2.70 0.00	54.61 2.17 -3.42
NARROWS_GT1_8 24235	49.62 2.67 0.00	37.73 2.23 -1.82	37.40 2.06 0.00	35.19 1.93 0.00	33.59 1.85 0.00	33.93 1.77 0.00	34.32 1.85 0.00	38.51 1.77 -0.34	33.79 1.60 -0.02	45.91 1.74 -1.16	51.20 1.89 -0.69	54.06 1.89 -2.41	54.54 1.81 -0.96	55.42 1.84 -1.67	59.37 1.93 0.00	57.39 2.55 -0.02	67.95 3.31 -0.15	86.48 5.00 0.00	91.52 5.71 0.00	91.95 5.20 0.00	91.14 4.25 0.00	86.07 3.52 0.00	73.75 2.70 0.00	54.61 2.17 -3.42
NARROWS_GT2_1 24236	49.62 2.67 0.00	37.73 2.23 -1.82	37.40 2.06 0.00	35.19 1.93 0.00	33.59 1.85 0.00	33.93 1.77 0.00	34.32 1.85 0.00	38.51 1.77 -0.34	33.79 1.60 -0.02	45.91 1.74 -1.16	51.20 1.89 -0.69	54.06 1.89 -2.41	54.54 1.81 -0.96	55.42 1.84 -1.67	59.37 1.93 0.00	57.39 2.55 -0.02	67.95 3.31 -0.15	86.48 5.00 0.00	91.52 5.71 0.00	91.95 5.20 0.00	91.14 4.25 0.00	86.07 3.52 0.00	73.75 2.70 0.00	54.61 2.17 -3.42
NARROWS_GT2_2 24237	49.62 2.67 0.00	37.73 2.23 -1.82	37.40 2.06 0.00	35.19 1.93 0.00	33.59 1.85 0.00	33.93 1.77 0.00	34.32 1.85 0.00	38.51 1.77 -0.34	33.79 1.60 -0.02	45.91 1.74 -1.16	51.20 1.89 -0.69	54.06 1.89 -2.41	54.54 1.81 -0.96	55.42 1.84 -1.67	59.37 1.93 0.00	57.39 2.55 -0.02	67.95 3.31 -0.15	86.48 5.00 0.00	91.52 5.71 0.00	91.95 5.20 0.00	91.14 4.25 0.00	86.07 3.52 0.00	73.75 2.70 0.00	54.61 2.17 -3.42
NARROWS_GT2_3 24238	49.62 2.67 0.00	37.73 2.23 -1.82	37.40 2.06 0.00	35.19 1.93 0.00	33.59 1.85 0.00	33.93 1.77 0.00	34.32 1.85 0.00	38.51 1.77 -0.34	33.79 1.60 -0.02	45.91 1.74 -1.16	51.20 1.89 -0.69	54.06 1.89 -2.41	54.54 1.81 -0.96	55.42 1.84 -1.67	59.37 1.93 0.00	57.39 2.55 -0.02	67.95 3.31 -0.15	86.48 5.00 0.00	91.52 5.71 0.00	91.95 5.20 0.00	91.14 4.25 0.00	86.07 3.52 0.00	73.75 2.70 0.00	54.61 2.17 -3.42
NARROWS_GT2_4 24239	49.62 2.67 0.00	37.73 2.23 -1.82	37.40 2.06 0.00	35.19 1.93 0.00	33.59 1.85 0.00	33.93 1.77 0.00	34.32 1.85 0.00	38.51 1.77 -0.34	33.79 1.60 -0.02	45.91 1.74 -1.16	51.20 1.89 -0.69	54.06 1.89 -2.41	54.54 1.81 -0.96	55.42 1.84 -1.67	59.37 1.93 0.00	57.39 2.55 -0.02	67.95 3.31 -0.15	86.48 5.00 0.00	91.52 5.71 0.00	91.95 5.20 0.00	91.14 4.25 0.00	86.07 3.52 0.00	73.75 2.70 0.00	54.61 2.17 -3.42
NARROWS_GT2_5 24240	49.62 2.67 0.00	37.73 2.23 -1.82	37.40 2.06 0.00	35.19 1.93 0.00	33.59 1.85 0.00	33.93 1.77 0.00	34.32 1.85 0.00	38.51 1.77 -0.34	33.79 1.60 -0.02	45.91 1.74 -1.16	51.20 1.89 -0.69	54.06 1.89 -2.41	54.54 1.81 -0.96	55.42 1.84 -1.67	59.37 1.93 0.00	57.39 2.55 -0.02	67.95 3.31 -0.15	86.48 5.00 0.00	91.52 5.71 0.00	91.95 5.20 0.00	91.14 4.25 0.00	86.07 3.52 0.00	73.75 2.70 0.00	54.61 2.17 -3.42
NARROWS_GT2_6 24241	49.62 2.67 0.00	37.73 2.23 -1.82	37.40 2.06 0.00	35.19 1.93 0.00	33.59 1.85 0.00	33.93 1.77 0.00	34.32 1.85 0.00	38.51 1.77 -0.34	33.79 1.60 -0.02	45.91 1.74 -1.16	51.20 1.89 -0.69	54.06 1.89 -2.41	54.54 1.81 -0.96	55.42 1.84 -1.67	59.37 1.93 0.00	57.39 2.55 -0.02	67.95 3.31 -0.15	86.48 5.00 0.00	91.52 5.71 0.00	91.95 5.20 0.00	91.14 4.25 0.00	86.07 3.52 0.00	73.75 2.70 0.00	54.61 2.17 -3.42
NARROWS_GT2_7 24242	49.62 2.67 0.00	37.73 2.23 -1.82	37.40 2.06 0.00	35.19 1.93 0.00	33.59 1.85 0.00	33.93 1.77 0.00	34.32 1.85 0.00	38.51 1.77 -0.34	33.79 1.60 -0.02	45.91 1.74 -1.16	51.20 1.89 -0.69	54.06 1.89 -2.41	54.54 1.81 -0.96	55.42 1.84 -1.67	59.37 1.93 0.00	57.39 2.55 -0.02	67.95 3.31 -0.15	86.48 5.00 0.00	91.52 5.71 0.00	91.95 5.20 0.00	91.14 4.25 0.00	86.07 3.52 0.00	73.75 2.70 0.00	54.61 2.17 -3.42
NARROWS_GT2_8 24243	49.62 2.67 0.00	37.73 2.23 -1.82	37.40 2.06 0.00	35.19 1.93 0.00	33.59 1.85 0.00	33.93 1.77 0.00	34.32 1.85 0.00	38.51 1.77 -0.34	33.79 1.60 -0.02	45.91 1.74 -1.16	51.20 1.89 -0.69	54.06 1.89 -2.41	54.54 1.81 -0.96	55.42 1.84 -1.67	59.37 1.93 0.00	57.39 2.55 -0.02	67.95 3.31 -0.15	86.48 5.00 0.00	91.52 5.71 0.00	91.95 5.20 0.00	91.14 4.25 0.00	86.07 3.52 0.00	73.75 2.70 0.00	54.61 2.17 -3.42
NCATSKLL_69_KV_NC-LINE_REV_LBMP_G 345022	47.94 1.00 0.00	33.96 0.87 0.60	36.40 1.06 0.00	34.32 1.05 0.00	32.85 1.11 0.00	33.25 1.10 0.00	33.56 1.09 0.00	37.28 0.99 0.11	32.82 0.66 0.01	43.05 0.42 0.38	48.67 0.28 0.23	49.13 0.16 0.79	51.41 -0.04 0.32	51.28 -0.08 0.55	57.52 0.08 0.00	55.13 0.31 0.01	65.42 0.97 0.05	83.40 1.92 0.00	88.93 3.12 0.00	90.15 3.40 0.00	89.69 2.80 0.00	84.87 2.32 0.00	72.76 1.71 0.00	49.07 1.18 1.12
NCHELSEA_115KV_TR2 355582	49.43 2.49 0.00	37.07 1.95 -1.44	37.24 1.91 0.00	35.07 1.80 0.00	33.48 1.74 0.00	33.86 1.70 0.00	34.22 1.75 0.00	38.34 1.67 -0.27	33.64 1.46 -0.02	45.60 1.66 -0.92	51.13 1.96 -0.55	53.72 2.05 -1.91	54.62 2.09 -0.76	55.41 2.18 -1.32	59.87 2.43 0.00	57.72 2.88 -0.02	68.35 3.74 -0.12	87.12 5.64 0.00	92.20 6.39 0.00	92.66 5.91 0.00	91.84 4.95 0.00	86.75 4.20 0.00	74.23 3.18 0.00	53.99 2.27 -2.70
NEG CAPITAL___MECHNVIL 23645	49.18 2.24 0.00	33.65 1.79 1.82	37.32 1.98 0.00	35.13 1.86 0.00	33.53 1.79 0.00	33.93 1.77 0.00	34.27 1.80 0.00	37.78 1.73 0.34	33.54 1.40 0.02	43.23 1.38 1.17	49.32 1.40 0.69	48.77 1.41 2.41	52.14 1.34 0.97	51.75 1.51 1.67	59.23 1.79 0.00	56.89 2.09 0.02	67.18 2.84 0.15	86.12 4.64 0.00	91.75 5.95 0.00	92.51 5.76 0.00	91.89 4.99 0.00	87.01 4.46 0.00	74.48 3.43 0.00	47.90 2.30 3.42
NEG CENTRAL_HIGH_ACRES 23767	48.01 1.00 -0.06	34.16 0.48 0.00	35.77 0.43 0.00	33.59 0.32 0.00	31.90 0.16 0.00	32.13 -0.02 0.00	32.54 0.07 0.00	36.80 0.40 0.00	32.94 0.77 0.00	44.29 1.27 0.00	50.22 1.60 0.00	51.77 2.00 0.00	54.12 2.35 0.00	54.22 2.31 0.00	60.12 2.66 -0.02	56.73 1.90 -0.01	66.95 2.43 -0.02	84.69 2.45 -0.76	90.17 3.62 -0.74	90.21 3.42 -0.04	90.54 3.40 -0.25	85.89 2.92 -0.42	74.15 2.76 -0.33	51.11 2.08 0.00



NEG CENTRAL___DRP 24199	48.43 1.35 -0.14	34.58 0.89 0.00	36.24 0.90 0.00	34.05 0.78 0.00	32.42 0.67 0.00	32.75 0.60 0.00	33.14 0.67 0.00	37.32 0.92 0.00	33.15 0.98 0.00	44.31 1.29 0.00	50.10 1.48 0.00	51.44 1.67 0.00	53.75 1.98 0.00	53.91 2.00 0.00	59.98 2.48 -0.05	57.13 2.29 -0.01	67.50 2.95 -0.05	86.23 3.02 -1.73	91.63 4.14 -1.68	90.79 3.94 -0.10	91.30 3.83 -0.58	86.92 3.42 -0.95	74.92 3.12 -0.76	51.22 2.20 0.00
NEG CENTRAL___INDECK 23768	50.51 3.57 0.00	35.91 2.22 0.00	37.58 2.24 0.00	35.29 2.02 0.00	33.50 1.76 0.00	33.77 1.61 0.00	34.22 1.75 0.00	38.62 2.23 0.00	34.76 2.60 0.00	46.50 3.49 0.00	52.21 3.59 0.00	53.68 3.91 0.00	56.07 4.30 0.00	55.88 3.97 0.00	61.42 3.98 0.00	57.13 2.31 0.00	67.84 3.35 0.00	85.63 4.15 0.00	91.58 5.77 0.00	92.36 5.61 0.00	93.47 6.58 0.00	88.83 6.28 0.00	78.70 7.64 0.00	54.63 5.60 0.00
NEG CENTRAL___SENECA 23627	48.76 1.73 -0.08	34.84 1.15 0.00	36.49 1.16 0.00	34.28 1.01 0.00	32.62 0.87 0.00	32.96 0.80 0.00	33.35 0.88 0.00	37.61 1.21 0.00	33.49 1.33 0.00	44.79 1.77 0.00	50.63 2.01 0.00	51.94 2.17 0.00	54.23 2.47 0.00	54.41 2.50 0.00	60.56 3.09 -0.03	57.68 2.86 -0.01	68.11 3.58 -0.03	86.02 3.51 -1.03	91.72 4.91 -1.00	91.54 4.74 -0.06	91.92 4.68 -0.34	87.35 4.23 -0.57	75.52 4.03 -0.45	51.88 2.85 0.00
NEG CENTRAL___STATE_STREET 24147	48.17 1.05 -0.18	34.41 0.73 0.00	36.13 0.79 0.00	33.99 0.73 0.00	32.39 0.64 0.00	32.74 0.58 0.00	33.12 0.64 0.00	37.21 0.81 0.00	32.83 0.67 0.00	43.75 0.73 0.00	49.47 0.85 0.00	50.81 1.04 0.00	53.23 1.46 0.00	53.41 1.50 0.00	59.36 1.85 -0.06	56.55 1.71 -0.02	67.18 2.62 -0.07	86.32 2.72 -2.12	91.62 3.75 -2.06	90.42 3.56 -0.12	90.96 3.35 -0.71	86.72 3.00 -1.17	74.46 2.48 -0.93	50.68 1.66 0.00
NEG MILLWOOD___DRP 24198	49.53 2.59 0.00	37.33 2.04 -1.60	37.32 1.98 0.00	35.12 1.85 0.00	33.53 1.79 0.00	33.90 1.75 0.00	34.28 1.81 0.00	38.44 1.73 -0.30	33.71 1.52 -0.02	45.79 1.75 -1.03	51.33 2.09 -0.61	54.07 2.18 -2.13	54.84 2.22 -0.85	55.71 2.32 -1.47	60.06 2.62 0.00	57.91 3.07 -0.02	68.59 3.96 -0.13	87.44 5.96 0.00	92.47 6.66 0.00	92.90 6.15 0.00	92.05 5.16 0.00	86.93 4.38 0.00	74.35 3.30 0.00	54.38 2.34 -3.01
NEG NORTH_FLCN_SEA 23793	46.14 -0.80 0.00	32.82 -0.86 0.00	34.23 -1.10 0.00	32.17 -1.09 0.00	30.61 -1.14 0.00	31.16 -1.00 0.00	31.50 -0.96 0.00	35.62 -0.78 0.00	31.69 -0.48 0.00	42.85 -0.16 0.00	48.07 -0.55 0.00	49.14 -0.62 0.00	50.92 -0.85 0.00	50.96 -0.95 0.00	56.01 -1.43 0.00	52.95 -1.87 0.00	62.55 -1.95 0.00	78.79 -2.69 0.00	82.38 -3.43 0.00	84.05 -2.69 0.00	84.80 -2.09 0.00	80.77 -1.78 0.00	69.40 -1.65 0.00	47.75 -1.28 0.00
NEG NORTH_KES_CHATEGAY 23792	46.29 -0.65 0.00	32.90 -0.79 0.00	34.31 -1.02 0.00	32.24 -1.03 0.00	30.67 -1.07 0.00	31.23 -0.92 0.00	31.58 -0.88 0.00	35.68 -0.71 0.00	31.71 -0.46 0.00	42.91 -0.10 0.00	48.40 -0.22 0.00	49.44 -0.33 0.00	51.24 -0.53 0.00	51.31 -0.60 0.00	56.40 -1.04 0.00	53.28 -1.54 0.00	62.77 -1.73 0.00	79.09 -2.39 0.00	82.71 -3.10 0.00	84.60 -2.15 0.00	85.43 -1.46 0.00	81.47 -1.08 0.00	70.02 -1.03 0.00	48.14 -0.88 0.00
NEG NORTH___ALICE_FALLS 23915	46.55 -0.39 0.00	33.09 -0.60 0.00	34.51 -0.83 0.00	32.42 -0.85 0.00	30.83 -0.92 0.00	31.38 -0.77 0.00	31.72 -0.75 0.00	35.88 -0.52 0.00	31.93 -0.23 0.00	43.19 0.18 0.00	48.51 -0.11 0.00	49.65 -0.11 0.00	51.41 -0.36 0.00	51.44 -0.47 0.00	56.57 -0.87 0.00	53.54 -1.28 0.00	63.34 -1.15 0.00	79.86 -1.62 0.00	83.47 -2.34 0.00	85.18 -1.56 0.00	85.90 -0.99 0.00	81.80 -0.75 0.00	70.24 -0.81 0.00	48.30 -0.72 0.00
NEG NORTH___LWR_SARANAC 23913	46.55 -0.39 0.00	33.09 -0.60 0.00	34.51 -0.83 0.00	32.42 -0.85 0.00	30.83 -0.92 0.00	31.38 -0.77 0.00	31.72 -0.75 0.00	35.88 -0.52 0.00	31.93 -0.23 0.00	43.19 0.18 0.00	48.51 -0.11 0.00	49.65 -0.11 0.00	51.41 -0.36 0.00	51.44 -0.47 0.00	56.57 -0.87 0.00	53.54 -1.28 0.00	63.34 -1.15 0.00	79.86 -1.62 0.00	83.47 -2.34 0.00	85.18 -1.56 0.00	85.90 -0.99 0.00	81.80 -0.75 0.00	70.24 -0.81 0.00	48.30 -0.72 0.00
NEG NORTH___PLATTSBURG 23628	46.55 -0.39 0.00	33.09 -0.60 0.00	34.51 -0.82 0.00	32.42 -0.85 0.00	30.83 -0.92 0.00	31.38 -0.77 0.00	31.72 -0.75 0.00	35.88 -0.52 0.00	31.93 -0.23 0.00	43.20 0.18 0.00	48.51 -0.11 0.00	49.65 -0.11 0.00	51.41 -0.36 0.00	51.44 -0.47 0.00	56.57 -0.87 0.00	53.54 -1.28 0.00	63.34 -1.15 0.00	79.86 -1.62 0.00	83.47 -2.34 0.00	85.18 -1.56 0.00	85.90 -0.99 0.00	81.79 -0.76 0.00	70.24 -0.81 0.00	48.30 -0.72 0.00
NEG WEST_LEA_LOCKPORT 23791	48.12 1.18 0.00	34.15 0.46 0.00	35.78 0.44 0.00	33.56 0.30 0.00	31.76 0.02 0.00	31.84 -0.32 0.00	32.35 -0.12 0.00	36.93 0.53 0.00	33.39 1.22 0.00	45.04 2.02 0.00	50.97 2.35 0.00	52.69 2.93 0.00	54.98 3.21 0.00	54.65 2.74 0.00	60.44 3.00 0.00	56.47 1.66 0.00	66.54 2.04 0.00	82.21 0.73 0.00	88.94 3.13 0.00	89.46 2.72 0.00	90.15 3.26 0.00	85.51 2.96 0.00	74.82 3.77 0.00	52.21 3.19 0.00
NEG WEST___LANCASTR 23811	48.41 1.47 0.00	34.42 0.73 0.00	36.06 0.72 0.00	33.85 0.58 0.00	32.08 0.33 0.00	32.22 0.06 0.00	32.69 0.22 0.00	37.15 0.76 0.00	33.52 1.36 0.00	45.27 2.25 0.00	51.23 2.61 0.00	52.80 3.04 0.00	55.06 3.30 0.00	54.90 2.99 0.00	60.94 3.50 0.00	57.32 2.50 0.00	67.71 3.21 0.00	84.12 2.64 0.00	90.80 4.99 0.00	91.07 4.32 0.00	91.33 4.43 0.00	86.52 3.97 0.00	75.36 4.31 0.00	52.43 3.41 0.00
NEG_PENN_ALLEGHNY 23528	47.79 0.85 0.00	34.28 0.59 0.00	35.98 0.64 0.00	33.84 0.57 0.00	32.31 0.56 0.00	32.70 0.54 0.00	33.06 0.59 0.00	37.12 0.72 0.00	32.81 0.64 0.00	43.85 0.83 0.00	49.56 0.94 0.00	50.93 1.16 0.00	53.13 1.36 0.00	53.14 1.23 0.00	59.01 1.57 0.00	56.48 1.67 0.00	66.57 2.07 0.00	84.43 2.95 0.00	89.48 3.67 0.00	90.07 3.32 0.00	89.73 2.84 0.00	84.92 2.37 0.00	73.14 2.09 0.00	50.45 1.43 0.00
NEG___GEN_MONROE 24207	49.34 2.40 0.00	35.10 1.41 0.00	36.72 1.38 0.00	34.47 1.21 0.00	32.70 0.95 0.00	32.88 0.72 0.00	33.30 0.83 0.00	37.76 1.36 0.00	33.92 1.75 0.00	45.63 2.61 0.00	51.72 3.10 0.00	53.29 3.53 0.00	55.76 4.00 0.00	55.85 3.94 0.00	61.92 4.48 0.00	58.06 3.25 0.00	68.67 4.17 0.00	85.83 4.35 0.00	91.97 6.17 0.00	92.77 6.02 0.00	93.08 6.19 0.00	88.12 5.57 0.00	76.33 5.29 0.00	52.94 3.91 0.00
NEPA___ENERGY 23901	47.52 0.58 0.00	33.90 0.21 0.00	35.51 0.17 0.00	33.38 0.11 0.00	31.73 -0.02 0.00	31.95 -0.20 0.00	32.41 -0.06 0.00	36.66 0.27 0.00	32.87 0.70 0.00	44.21 1.19 0.00	49.87 1.25 0.00	51.37 1.60 0.00	53.48 1.71 0.00	53.37 1.46 0.00	59.20 1.76 0.00	56.06 1.24 0.00	66.28 1.79 0.00	82.81 1.33 0.00	89.02 3.21 0.00	89.34 2.59 0.00	89.22 2.33 0.00	84.58 2.03 0.00	73.53 2.48 0.00	51.12 2.10 0.00

NEVERSINK___HYD 23608	48.31 1.37 0.00	35.89 1.06 -1.14	36.30 0.96 0.00	34.16 0.89 0.00	32.59 0.85 0.00	32.96 0.80 0.00	33.31 0.84 0.00	37.32 0.71 -0.21	32.77 0.59 -0.01	44.32 0.57 -0.73	49.75 0.70 -0.43	52.18 0.90 -1.51	53.25 0.88 -0.61	53.84 0.88 -1.05	58.44 1.00 0.00	56.18 1.34 -0.02	66.67 2.08 -0.09	84.78 3.30 0.00	89.86 4.05 0.00	90.48 3.74 0.00	89.84 2.95 0.00	84.89 2.34 0.00	72.65 1.60 0.00	52.26 1.10 -2.14
NEWKRMKL_115KV_TB1 55635	46.98 0.04 0.00	32.54 0.26 1.41	35.72 0.38 0.00	33.69 0.42 0.00	32.30 0.55 0.00	32.68 0.53 0.00	32.99 0.53 0.00	36.41 0.28 0.26	32.22 0.07 0.02	41.63 -0.49 0.90	47.49 -0.60 0.54	47.31 -0.59 1.86	50.29 -0.73 0.75	49.98 -0.64 1.29	56.80 -0.64 0.00	54.51 -0.29 0.02	64.26 -0.12 0.11	82.15 0.67 0.00	87.08 1.27 0.00	87.79 1.04 0.00	87.17 0.27 0.00	82.57 0.03 0.00	70.81 -0.24 0.00	46.27 -0.11 2.64
NEWTON___FALLS_HYD 23847	47.77 0.74 -0.08	33.83 0.14 0.00	35.25 -0.09 0.00	33.25 -0.02 0.00	31.77 0.02 0.00	32.37 0.21 0.00	32.58 0.11 0.00	36.60 0.20 0.00	32.39 0.22 0.00	43.63 0.62 0.00	49.37 0.76 0.00	50.37 0.60 0.00	52.82 1.06 0.00	52.35 0.44 0.00	57.71 0.24 -0.03	55.40 0.57 -0.01	64.55 0.03 -0.03	83.41 0.90 -1.03	87.73 0.92 -1.00	89.29 2.48 -0.06	90.56 3.32 -0.34	85.63 2.51 -0.57	73.16 1.66 -0.45	50.13 1.11 0.00
NGRID_A1_DSASP 323792	47.86 0.92 0.00	34.00 0.31 0.00	35.64 0.30 0.00	33.44 0.17 0.00	31.65 -0.09 0.00	31.73 -0.43 0.00	32.22 -0.25 0.00	36.73 0.33 0.00	33.21 1.04 0.00	44.82 1.81 0.00	50.75 2.13 0.00	52.43 2.67 0.00	54.66 2.89 0.00	54.32 2.41 0.00	60.13 2.69 0.00	56.23 1.41 0.00	66.26 1.77 0.00	82.19 0.71 0.00	88.34 2.53 0.00	88.74 2.00 0.00	89.33 2.44 0.00	84.76 2.21 0.00	74.14 3.09 0.00	51.87 2.84 0.00
NGRID_A2_DSASP 323793	47.86 0.92 0.00	34.00 0.31 0.00	35.64 0.30 0.00	33.44 0.17 0.00	31.65 -0.09 0.00	31.73 -0.43 0.00	32.22 -0.25 0.00	36.73 0.33 0.00	33.21 1.04 0.00	44.82 1.81 0.00	50.75 2.13 0.00	52.43 2.67 0.00	54.66 2.89 0.00	54.32 2.41 0.00	60.13 2.69 0.00	56.23 1.41 0.00	66.26 1.77 0.00	82.19 0.71 0.00	88.34 2.53 0.00	88.74 2.00 0.00	89.33 2.44 0.00	84.76 2.21 0.00	74.14 3.09 0.00	51.87 2.84 0.00
NGRID_A4_DSASP 323807	47.86 0.92 0.00	34.00 0.31 0.00	35.64 0.30 0.00	33.44 0.17 0.00	31.65 -0.09 0.00	31.73 -0.43 0.00	32.22 -0.25 0.00	36.73 0.33 0.00	33.21 1.04 0.00	44.82 1.81 0.00	50.75 2.13 0.00	52.43 2.67 0.00	54.66 2.89 0.00	54.32 2.41 0.00	60.13 2.69 0.00	56.23 1.41 0.00	66.26 1.77 0.00	82.19 0.71 0.00	88.34 2.53 0.00	88.74 2.00 0.00	89.33 2.44 0.00	84.76 2.21 0.00	74.14 3.09 0.00	51.87 2.84 0.00
NIAGARA_115E_LBMP 323715	47.75 0.81 0.00	33.91 0.23 0.00	35.53 0.19 0.00	33.35 0.08 0.00	31.57 -0.18 0.00	31.62 -0.54 0.00	32.16 -0.31 0.00	36.78 0.38 0.00	33.25 1.08 0.00	44.86 1.84 0.00	50.77 2.15 0.00	52.49 2.72 0.00	54.74 2.97 0.00	54.39 2.48 0.00	60.03 2.59 0.00	56.05 1.23 0.00	66.05 1.56 0.00	81.90 0.42 0.00	88.21 2.40 0.00	88.61 1.86 0.00	89.23 2.34 0.00	84.65 2.10 0.00	74.15 3.10 0.00	51.80 2.78 0.00
NIAGARA_115W_LBMP 323714	47.75 0.81 0.00	33.92 0.24 0.00	35.56 0.23 0.00	33.36 0.10 0.00	31.58 -0.16 0.00	31.67 -0.49 0.00	32.15 -0.32 0.00	36.64 0.25 0.00	33.12 0.96 0.00	44.72 1.71 0.00	50.63 2.01 0.00	52.30 2.54 0.00	54.52 2.75 0.00	54.19 2.28 0.00	60.00 2.56 0.00	56.11 1.29 0.00	66.11 1.62 0.00	81.99 0.51 0.00	88.13 2.32 0.00	88.52 1.77 0.00	89.14 2.24 0.00	84.58 2.03 0.00	73.96 2.91 0.00	51.74 2.71 0.00
NIAGARA_230_LBMP 323716	47.95 1.01 0.00	34.08 0.39 0.00	35.72 0.39 0.00	33.53 0.26 0.00	31.74 0.00 0.00	31.83 -0.33 0.00	32.32 -0.15 0.00	36.82 0.43 0.00	33.26 1.09 0.00	44.91 1.89 0.00	50.82 2.20 0.00	52.49 2.72 0.00	54.69 2.93 0.00	54.39 2.48 0.00	60.25 2.81 0.00	56.40 1.58 0.00	66.48 1.98 0.00	82.58 1.10 0.00	88.73 2.92 0.00	89.14 2.40 0.00	89.71 2.82 0.00	85.10 2.55 0.00	74.31 3.26 0.00	51.94 2.92 0.00
NIAGARA___115KV_198_GIBSON 55903	47.75 0.81 0.00	33.93 0.25 0.00	35.56 0.22 0.00	33.36 0.10 0.00	31.58 -0.16 0.00	31.67 -0.49 0.00	32.15 -0.32 0.00	36.64 0.25 0.00	33.13 0.96 0.00	44.72 1.71 0.00	50.65 2.03 0.00	52.30 2.53 0.00	54.52 2.76 0.00	54.19 2.28 0.00	59.99 2.56 0.00	56.12 1.30 0.00	66.11 1.62 0.00	81.54 0.07 0.00	88.08 2.27 0.00	88.53 1.78 0.00	89.12 2.22 0.00	84.57 2.02 0.00	73.98 2.93 0.00	51.74 2.71 0.00
NIAGARA____ 23760	47.95 1.01 0.00	34.08 0.39 0.00	35.72 0.39 0.00	33.53 0.26 0.00	31.74 0.00 0.00	31.83 -0.33 0.00	32.32 -0.15 0.00	36.82 0.43 0.00	33.26 1.09 0.00	44.91 1.89 0.00	50.82 2.20 0.00	52.49 2.72 0.00	54.69 2.93 0.00	54.39 2.48 0.00	60.25 2.81 0.00	56.40 1.58 0.00	66.48 1.98 0.00	82.58 1.10 0.00	88.73 2.92 0.00	89.14 2.40 0.00	89.71 2.82 0.00	85.10 2.55 0.00	74.31 3.26 0.00	51.94 2.92 0.00
NINE_MILE_1 23575	43.79 -0.99 2.16	32.94 -0.74 0.00	34.56 -0.78 0.00	32.52 -0.74 0.00	31.02 -0.73 0.00	31.37 -0.78 0.00	31.70 -0.77 0.00	35.58 -0.82 0.00	31.49 -0.68 0.00	42.08 -0.93 0.00	47.58 -1.04 0.00	48.81 -0.96 0.00	50.87 -0.89 0.00	50.99 -0.93 0.00	55.65 -0.99 0.79	53.66 -0.96 0.20	62.63 -1.06 0.81	54.24 -1.28 25.96	59.56 -1.05 25.19	84.10 -1.19 1.45	76.83 -1.36 8.71	66.86 -1.42 14.27	58.42 -1.27 11.37	48.20 -0.81 0.01
NINE_MILE_2 23744	43.78 -0.98 2.18	32.94 -0.74 0.00	34.56 -0.78 0.00	32.52 -0.74 0.00	31.02 -0.73 0.00	31.38 -0.78 0.00	31.70 -0.77 0.00	35.58 -0.81 0.00	31.49 -0.68 0.00	42.09 -0.93 0.00	47.58 -1.04 0.00	48.81 -0.95 0.00	50.88 -0.89 0.00	50.99 -0.92 0.00	55.65 -0.99 0.80	53.66 -0.96 0.20	62.63 -1.06 0.81	54.00 -1.28 26.19	59.33 -1.05 25.42	84.09 -1.19 1.47	76.76 -1.35 8.79	66.74 -1.41 14.40	58.33 -1.25 11.47	48.21 -0.80 0.01
NM_CAPITAL___DRP 24208	47.09 0.15 0.00	32.48 0.35 1.56	35.83 0.49 0.00	33.78 0.52 0.00	32.37 0.63 0.00	32.76 0.60 0.00	33.06 0.60 0.00	36.45 0.35 0.29	32.28 0.13 0.02	41.61 -0.40 1.00	47.52 -0.50 0.60	47.12 -0.58 2.07	50.25 -0.69 0.83	49.89 -0.59 1.44	56.86 -0.58 0.00	54.55 -0.24 0.02	64.26 -0.11 0.13	82.21 0.73 0.00	87.16 1.36 0.00	87.88 1.13 0.00	87.22 0.33 0.00	82.66 0.11 0.00	70.88 -0.17 0.00	46.04 -0.05 2.94
NM_CENTRAL___DRP 24181	47.14 0.13 -0.07	33.72 0.03 0.00	35.36 0.02 0.00	33.26 0.00 0.00	31.72 -0.03 0.00	32.07 -0.09 0.00	32.40 -0.07 0.00	36.38 -0.02 0.00	32.21 0.04 0.00	43.07 0.05 0.00	48.70 0.08 0.00	50.02 0.25 0.00	52.22 0.46 0.00	52.36 0.45 0.00	58.06 0.59 -0.03	55.37 0.54 -0.01	65.30 0.78 -0.03	83.34 1.05 -0.81	88.08 1.48 -0.79	88.04 1.25 -0.05	88.12 0.95 -0.27	83.71 0.72 -0.45	71.92 0.51 -0.36	49.42 0.39 0.00

NM_FRONTIER___DRP 24179	47.75 0.81 0.00	33.93 0.25 0.00	35.56 0.22 0.00	33.36 0.10 0.00	31.58 -0.16 0.00	31.67 -0.49 0.00	32.15 -0.32 0.00	36.64 0.25 0.00	33.13 0.96 0.00	44.72 1.71 0.00	50.65 2.03 0.00	52.30 2.53 0.00	54.52 2.76 0.00	54.19 2.28 0.00	59.99 2.56 0.00	56.12 1.30 0.00	66.11 1.62 0.00	81.54 0.07 0.00	88.08 2.27 0.00	88.53 1.78 0.00	89.12 2.22 0.00	84.57 2.02 0.00	73.98 2.93 0.00	51.74 2.71 0.00
NM_ST_REGIS___HYD 24053	47.15 0.21 0.00	33.48 -0.20 0.00	34.93 -0.41 0.00	32.85 -0.42 0.00	31.30 -0.45 0.00	31.88 -0.27 0.00	32.17 -0.30 0.00	36.27 -0.13 0.00	32.16 0.00 0.00	43.50 0.49 0.00	49.17 0.55 0.00	50.13 0.36 0.00	52.16 0.40 0.00	52.21 0.30 0.00	57.50 0.06 0.00	54.51 -0.32 0.00	63.88 -0.61 0.00	80.55 -0.93 0.00	83.61 -2.20 0.00	86.34 -0.41 0.00	87.47 0.58 0.00	83.28 0.73 0.00	71.61 0.56 0.00	49.28 0.26 0.00
NORTHPORT___1 23551	49.05 2.11 0.00	37.33 1.82 -1.82	36.99 1.65 0.00	34.76 1.49 0.00	33.14 1.40 0.00	33.45 1.30 0.00	33.83 1.36 0.00	37.61 0.88 -0.34	32.73 0.55 -0.02	44.50 0.32 -1.16	50.93 1.62 -0.69	53.25 1.08 -2.41	53.63 0.89 -0.96	54.49 0.91 -1.67	57.70 0.39 0.12	56.30 1.46 -0.02	50.12 1.41 15.79	59.37 3.11 25.22	49.93 2.84 38.72	52.46 2.27 36.55	88.45 1.55 0.00	83.72 1.17 0.00	70.70 0.19 0.54	52.47 0.62 -2.83
NORTHPORT___2 23552	49.05 2.11 0.00	37.33 1.82 -1.82	36.99 1.65 0.00	34.76 1.49 0.00	33.14 1.40 0.00	33.45 1.30 0.00	33.83 1.36 0.00	37.61 0.88 -0.34	32.73 0.55 -0.02	44.50 0.32 -1.16	50.93 1.62 -0.69	53.25 1.08 -2.41	53.63 0.89 -0.96	54.49 0.91 -1.67	57.70 0.39 0.12	56.30 1.46 -0.02	50.12 1.41 15.79	59.37 3.11 25.22	49.93 2.84 38.72	52.46 2.27 36.55	88.45 1.55 0.00	83.72 1.17 0.00	70.70 0.19 0.54	52.47 0.62 -2.83
NORTHPORT___3 23553	49.01 2.07 0.00	37.29 1.78 -1.82	36.95 1.61 0.00	34.70 1.43 0.00	33.12 1.37 0.00	33.42 1.27 0.00	33.79 1.32 0.00	37.58 0.84 -0.34	32.69 0.51 -0.02	44.48 0.31 -1.16	50.93 1.62 -0.69	53.19 1.02 -2.41	53.53 0.80 -0.96	54.49 0.92 -1.67	57.54 0.23 0.12	56.06 1.22 -0.02	49.91 1.21 15.79	59.00 2.83 25.31	49.63 2.60 38.78	52.26 2.07 36.56	88.18 1.29 0.01	83.47 0.92 0.00	70.53 0.01 0.54	52.33 0.47 -2.84
NORTHPORT___4 23650	49.01 2.07 0.00	37.29 1.78 -1.82	36.95 1.61 0.00	34.70 1.43 0.00	33.12 1.37 0.00	33.42 1.27 0.00	33.79 1.32 0.00	37.58 0.84 -0.34	32.69 0.51 -0.02	44.48 0.31 -1.16	50.93 1.62 -0.69	53.19 1.02 -2.41	53.53 0.80 -0.96	54.49 0.92 -1.67	57.54 0.23 0.12	56.06 1.22 -0.02	49.91 1.21 15.79	59.00 2.83 25.31	49.63 2.60 38.78	52.26 2.07 36.56	88.18 1.29 0.01	83.47 0.92 0.00	70.53 0.01 0.54	52.33 0.47 -2.84
NORTHPORT___IC 23718	49.05 2.11 0.00	37.33 1.82 -1.82	36.99 1.65 0.00	34.76 1.49 0.00	33.14 1.40 0.00	33.45 1.30 0.00	33.83 1.36 0.00	37.62 0.88 -0.34	32.73 0.55 -0.02	44.49 0.32 -1.16	50.92 1.61 -0.69	53.26 1.09 -2.41	53.62 0.89 -0.96	54.48 0.90 -1.67	57.70 0.39 0.12	56.34 1.50 -0.02	50.12 1.41 15.79	60.05 3.79 25.22	49.99 2.90 38.72	52.47 2.27 36.55	88.45 1.55 0.00	83.72 1.17 0.00	70.70 0.20 0.54	52.46 0.60 -2.83
NORTH___COUNTRY_ESR 323785	46.15 -0.79 0.00	32.81 -0.87 0.00	34.23 -1.11 0.00	32.16 -1.11 0.00	30.59 -1.15 0.00	31.15 -1.00 0.00	31.51 -0.96 0.00	35.64 -0.75 0.00	31.70 -0.46 0.00	42.90 -0.11 0.00	48.39 -0.23 0.00	49.43 -0.33 0.00	51.24 -0.53 0.00	51.30 -0.61 0.00	56.37 -1.06 0.00	53.26 -1.56 0.00	62.76 -1.73 0.00	79.07 -2.41 0.00	82.68 -3.12 0.00	84.41 -2.34 0.00	85.21 -1.69 0.00	81.17 -1.38 0.00	69.80 -1.25 0.00	47.98 -1.04 0.00
NPX_GEN_1385_PROXY 323591	48.60 1.66 0.00	37.21 1.71 -1.82	36.92 1.58 0.00	34.66 1.39 0.00	33.07 1.32 0.00	33.33 1.18 0.00	33.75 1.28 0.00	36.31 0.60 0.68	32.41 0.23 -0.02	43.56 -0.35 -0.90	50.06 0.75 -0.69	15.67 0.36 34.46	53.24 0.51 -0.96	52.77 -0.02 -0.88	57.28 -0.03 0.12	56.07 1.22 -0.02	49.66 0.95 15.79	58.28 2.02 25.22	48.99 1.90 38.72	51.76 1.95 36.94	88.04 2.18 1.04	84.26 1.71 0.00	70.98 0.48 0.54	52.45 0.60 -2.83
NPX_GEN_CSC 323557	48.98 2.04 0.00	37.28 1.78 -1.82	36.92 1.58 0.00	34.66 1.39 0.00	33.05 1.31 0.00	33.34 1.19 0.00	33.70 1.23 0.00	36.49 0.77 0.68	32.79 0.60 -0.02	44.36 0.45 -0.90	51.05 1.74 -0.69	53.42 1.25 -2.41	53.96 1.23 -0.96	54.17 1.38 -0.88	58.51 1.08 0.01	57.10 2.26 -0.02	65.74 2.40 1.15	82.24 4.53 3.77	86.21 4.38 3.98	87.54 3.84 3.05	88.72 2.86 1.04	84.95 2.40 0.00	71.66 1.14 0.54	52.91 1.05 -2.84
NSINS_S_GLNS_FALLS 23858	49.62 2.68 0.00	34.18 2.09 1.59	37.68 2.34 0.00	35.42 2.15 0.00	33.80 2.06 0.00	34.18 2.03 0.00	34.57 2.10 0.00	38.11 2.01 0.30	33.79 1.65 0.02	43.62 1.62 1.02	49.39 1.38 0.61	49.03 1.37 2.11	52.09 1.17 0.85	51.81 1.36 1.46	59.17 1.73 0.00	56.89 2.09 0.02	67.37 3.01 0.13	86.78 5.30 0.00	92.90 7.09 0.00	93.58 6.83 0.00	93.09 6.20 0.00	88.24 5.69 0.00	75.23 4.18 0.00	48.79 2.76 2.99
NUCOR_STEEL___DRP 24197	48.07 0.94 -0.19	34.35 0.66 0.00	36.07 0.73 0.00	33.93 0.66 0.00	32.33 0.59 0.00	32.69 0.53 0.00	33.07 0.60 0.00	37.15 0.75 0.00	32.75 0.58 0.00	43.63 0.61 0.00	49.35 0.73 0.00	50.67 0.91 0.00	53.13 1.36 0.00	53.32 1.41 0.00	59.22 1.72 -0.07	56.42 1.59 -0.02	66.89 2.33 -0.07	86.14 2.37 -2.29	91.37 3.34 -2.22	90.09 3.21 -0.13	90.71 3.05 -0.77	86.54 2.73 -1.26	74.30 2.26 -1.00	50.55 1.52 0.00
NUMBER_THREE_WT_PWR 323818	48.24 1.20 -0.10	34.12 0.43 0.00	35.50 0.16 0.00	33.59 0.33 0.00	32.18 0.43 0.00	32.81 0.66 0.00	32.97 0.50 0.00	36.96 0.56 0.00	32.67 0.50 0.00	43.91 0.89 0.00	49.82 1.21 0.00	50.84 1.08 0.00	53.48 1.71 0.00	52.62 0.70 0.00	58.07 0.59 -0.04	56.49 1.66 -0.01	65.37 0.83 -0.04	85.73 3.09 -1.17	91.12 4.18 -1.14	92.27 5.46 -0.06	93.13 5.85 -0.39	87.30 4.10 -0.64	74.20 2.64 -0.51	50.91 1.88 0.00
NYISO_LBMP_REFERENCE 24008	46.94 0.00 0.00	33.69 0.00 0.00	35.34 0.00 0.00	33.27 0.00 0.00	31.74 0.00 0.00	32.16 0.00 0.00	32.47 0.00 0.00	36.40 0.00 0.00	32.16 0.00 0.00	43.02 0.00 0.00	48.62 0.00 0.00	49.77 0.00 0.00	51.76 0.00 0.00	51.91 0.00 0.00	57.44 0.00 0.00	54.82 0.00 0.00	64.50 0.00 0.00	81.48 0.00 0.00	85.81 0.00 0.00	86.75 0.00 0.00	86.89 0.00 0.00	82.55 0.00 0.00	71.05 0.00 0.00	49.02 0.00 0.00
NYPA_BRENTWD____GT 24164	49.77 2.83 0.00	37.82 2.32 -1.82	37.50 2.17 0.00	35.22 1.95 0.00	33.58 1.84 0.00	33.88 1.73 0.00	34.27 1.80 0.00	38.15 1.41 -0.34	33.28 1.09 -0.02	45.27 1.09 -1.16	51.74 2.43 -0.69	54.17 2.00 -2.41	54.69 1.96 -0.96	55.61 2.03 -1.67	59.16 1.74 0.01	57.65 2.81 -0.02	66.16 3.13 1.47	82.53 5.12 4.07	85.55 4.44 4.69	87.11 3.76 3.39	89.86 2.96 0.00	85.04 2.49 0.00	72.06 1.53 0.52	53.61 1.73 -2.85

NYPA_GOWANUS____GT5 24156	49.62 2.67 0.00	37.73 2.23 -1.82	37.40 2.06 0.00	35.19 1.93 0.00	33.59 1.85 0.00	33.93 1.77 0.00	34.32 1.85 0.00	38.51 1.77 -0.34	33.79 1.60 -0.02	45.91 1.74 -1.16	51.20 1.89 -0.69	54.06 1.89 -2.41	54.54 1.81 -0.96	55.42 1.84 -1.67	59.35 1.92 0.00	57.38 2.53 -0.02	67.94 3.29 -0.15	86.44 4.96 0.00	91.46 5.66 0.00	91.91 5.17 0.00	91.10 4.21 0.00	86.07 3.51 0.00	73.74 2.69 0.00	54.60 2.16 -3.42
NYPA_GOWANUS____GT6 24157	49.62 2.67 0.00	37.73 2.23 -1.82	37.40 2.06 0.00	35.19 1.93 0.00	33.59 1.85 0.00	33.93 1.77 0.00	34.32 1.85 0.00	38.51 1.77 -0.34	33.79 1.60 -0.02	45.91 1.74 -1.16	51.20 1.89 -0.69	54.06 1.89 -2.41	54.54 1.81 -0.96	55.42 1.84 -1.67	59.35 1.92 0.00	57.38 2.53 -0.02	67.94 3.29 -0.15	86.44 4.96 0.00	91.46 5.66 0.00	91.91 5.17 0.00	91.10 4.21 0.00	86.07 3.51 0.00	73.74 2.69 0.00	54.60 2.16 -3.42
NYPA_HARLEM__RVR__GT1 24160	49.60 2.65 0.00	37.65 2.15 -1.82	37.35 2.01 0.00	35.17 1.90 0.00	33.56 1.82 0.00	33.89 1.74 0.00	34.29 1.83 0.00	38.46 1.72 -0.34	33.72 1.54 -0.02	45.81 1.63 -1.16	51.17 1.86 -0.69	54.03 1.86 -2.41	54.50 1.77 -0.96	55.39 1.81 -1.67	59.36 1.92 0.00	57.36 2.52 -0.02	67.91 3.27 -0.15	86.41 4.93 -0.01	91.43 5.62 -0.01	91.83 5.08 0.00	91.03 4.13 -0.01	86.02 3.46 -0.01	73.67 2.62 -0.01	54.49 2.05 -3.41
NYPA_HARLEM__RVR__GT2 24161	49.60 2.65 0.00	37.65 2.15 -1.82	37.35 2.01 0.00	35.17 1.90 0.00	33.56 1.82 0.00	33.89 1.74 0.00	34.29 1.83 0.00	38.46 1.72 -0.34	33.72 1.54 -0.02	45.81 1.63 -1.16	51.17 1.86 -0.69	54.03 1.86 -2.41	54.50 1.77 -0.96	55.39 1.81 -1.67	59.36 1.92 0.00	57.36 2.52 -0.02	67.91 3.27 -0.15	86.41 4.93 -0.01	91.43 5.62 -0.01	91.83 5.08 0.00	91.03 4.13 -0.01	86.02 3.46 -0.01	73.67 2.62 -0.01	54.49 2.05 -3.41
NYPA_KENT____GT 24152	49.51 2.57 0.00	37.67 2.17 -1.82	37.35 2.01 0.00	35.16 1.89 0.00	33.55 1.80 0.00	33.89 1.74 0.00	34.29 1.82 0.00	38.46 1.72 -0.34	33.75 1.56 -0.02	45.86 1.68 -1.16	51.15 1.84 -0.69	53.99 1.82 -2.41	54.46 1.73 -0.96	55.33 1.76 -1.67	59.27 1.83 0.00	57.30 2.45 -0.02	67.83 3.18 -0.15	86.32 4.84 0.00	91.32 5.52 0.00	91.74 4.99 0.00	90.94 4.04 0.00	85.90 3.35 0.00	73.58 2.53 0.00	54.46 2.03 -3.41
NYPA_POUCH1____GT 24155	49.49 2.54 0.00	37.65 2.15 -1.82	37.30 1.96 0.00	35.11 1.84 0.00	33.51 1.76 0.00	33.84 1.68 0.00	34.24 1.77 0.00	38.41 1.68 -0.34	33.69 1.51 -0.02	45.77 1.60 -1.16	50.97 1.66 -0.69	53.85 1.68 -2.41	54.26 1.58 -0.91	55.20 1.63 -1.67	59.16 1.73 0.00	57.19 2.35 -0.02	67.72 3.07 -0.15	86.18 4.70 0.00	91.20 5.40 0.00	91.68 4.93 0.00	90.85 3.96 0.00	85.78 3.23 0.00	73.54 2.49 0.00	54.52 2.08 -3.42
NYPA_VERNON____GT2 24162	49.39 2.45 0.00	37.60 2.10 -1.82	37.30 1.96 0.00	35.11 1.85 0.00	33.52 1.77 0.00	33.86 1.71 0.00	34.25 1.78 0.00	38.42 1.69 -0.34	33.71 1.52 -0.02	45.81 1.63 -1.16	51.10 1.79 -0.69	53.91 1.74 -2.41	54.37 1.64 -0.96	55.26 1.68 -1.67	59.24 1.80 0.00	57.25 2.41 -0.02	67.75 3.10 -0.15	86.21 4.73 0.00	91.22 5.41 0.00	91.63 4.88 0.00	90.82 3.93 0.00	85.83 3.28 0.00	73.48 2.43 0.00	54.36 1.93 -3.41
NYPA_VERNON____GT3 24163	49.39 2.45 0.00	37.60 2.10 -1.82	37.30 1.96 0.00	35.11 1.85 0.00	33.52 1.77 0.00	33.86 1.71 0.00	34.25 1.78 0.00	38.42 1.69 -0.34	33.71 1.52 -0.02	45.81 1.63 -1.16	51.10 1.79 -0.69	53.91 1.74 -2.41	54.37 1.64 -0.96	55.26 1.68 -1.67	59.24 1.80 0.00	57.25 2.41 -0.02	67.75 3.10 -0.15	86.21 4.73 0.00	91.22 5.41 0.00	91.63 4.88 0.00	90.82 3.93 0.00	85.83 3.28 0.00	73.48 2.43 0.00	54.36 1.93 -3.41
NYPA__ASTORIA_CC1 323568	49.33 2.39 0.00	37.57 2.06 -1.82	37.25 1.91 0.00	35.07 1.80 0.00	33.47 1.73 0.00	33.81 1.66 0.00	34.20 1.73 0.00	38.37 1.63 -0.34	33.65 1.47 -0.02	45.73 1.56 -1.16	51.03 1.72 -0.69	53.84 1.67 -2.41	54.30 1.57 -0.96	55.18 1.61 -1.67	59.16 1.72 0.00	57.19 2.35 -0.02	67.66 3.01 -0.15	86.09 4.62 0.00	91.10 5.30 0.00	91.51 4.77 0.00	90.70 3.81 0.00	85.70 3.15 0.00	73.37 2.33 0.00	54.29 1.85 -3.41
NYPA__ASTORIA_CC2 323569	49.33 2.39 0.00	37.57 2.06 -1.82	37.25 1.91 0.00	35.07 1.80 0.00	33.47 1.73 0.00	33.81 1.66 0.00	34.20 1.73 0.00	38.37 1.63 -0.34	33.65 1.47 -0.02	45.73 1.56 -1.16	51.03 1.72 -0.69	53.84 1.67 -2.41	54.30 1.57 -0.96	55.18 1.61 -1.67	59.16 1.72 0.00	57.19 2.35 -0.02	67.66 3.01 -0.15	86.09 4.62 0.00	91.10 5.30 0.00	91.51 4.77 0.00	90.70 3.81 0.00	85.70 3.15 0.00	73.37 2.33 0.00	54.29 1.85 -3.41
NYPA__HOLTSVILL 23794	49.21 2.27 0.00	37.49 1.99 -1.82	37.17 1.83 0.00	34.90 1.63 0.00	33.29 1.54 0.00	33.58 1.43 0.00	33.95 1.49 0.00	37.80 1.06 -0.34	32.99 0.81 -0.02	44.86 0.68 -1.16	51.27 1.96 -0.69	53.66 1.49 -2.41	54.11 1.38 -0.96	55.06 1.49 -1.67	58.57 1.14 0.01	57.07 2.22 -0.02	65.74 2.33 1.09	82.17 4.37 3.68	86.24 4.26 3.83	87.95 3.71 2.50	89.70 2.81 0.00	84.97 2.42 0.00	71.74 1.23 0.54	53.06 1.20 -2.84
NYPA____HELLGATE_GT1 24158	49.60 2.65 0.00	37.65 2.15 -1.82	37.35 2.01 0.00	35.17 1.90 0.00	33.56 1.82 0.00	33.89 1.74 0.00	34.29 1.83 0.00	38.46 1.72 -0.34	33.72 1.54 -0.02	45.81 1.63 -1.16	51.17 1.86 -0.69	54.03 1.86 -2.41	54.50 1.77 -0.96	55.39 1.81 -1.67	59.36 1.92 0.00	57.36 2.52 -0.02	67.91 3.27 -0.15	86.41 4.93 -0.01	91.43 5.62 -0.01	91.83 5.08 0.00	91.03 4.13 -0.01	86.02 3.46 -0.01	73.67 2.62 -0.01	54.49 2.05 -3.41
NYPA____HELLGATE_GT2 24159	49.60 2.65 0.00	37.65 2.15 -1.82	37.35 2.01 0.00	35.17 1.90 0.00	33.56 1.82 0.00	33.89 1.74 0.00	34.29 1.83 0.00	38.46 1.72 -0.34	33.72 1.54 -0.02	45.81 1.63 -1.16	51.17 1.86 -0.69	54.03 1.86 -2.41	54.50 1.77 -0.96	55.39 1.81 -1.67	59.36 1.92 0.00	57.36 2.52 -0.02	67.91 3.27 -0.15	86.41 4.93 -0.01	91.43 5.62 -0.01	91.83 5.08 0.00	91.03 4.13 -0.01	86.02 3.46 -0.01	73.67 2.62 -0.01	54.49 2.05 -3.41
NYS_BARGE__HYD 23848	48.32 1.38 0.00	34.30 0.62 0.00	35.92 0.58 0.00	33.70 0.43 0.00	31.88 0.14 0.00	31.95 -0.21 0.00	32.47 0.00 0.00	37.08 0.68 0.00	33.53 1.37 0.00	45.21 2.20 0.00	51.18 2.56 0.00	52.93 3.16 0.00	55.23 3.46 0.00	54.93 3.02 0.00	60.70 3.27 0.00	56.69 1.87 0.00	66.83 2.34 0.00	83.02 1.54 0.00	89.43 3.62 0.00	89.90 3.15 0.00	90.58 3.68 0.00	85.92 3.37 0.00	75.13 4.08 0.00	52.42 3.40 0.00
OAK ORCHARD__HYD 24046	48.84 1.90 0.00	34.78 1.09 0.00	36.40 1.06 0.00	34.18 0.92 0.00	32.44 0.69 0.00	32.65 0.50 0.00	33.06 0.60 0.00	37.45 1.05 0.00	33.61 1.44 0.00	45.19 2.17 0.00	51.23 2.61 0.00	52.88 3.12 0.00	55.30 3.54 0.00	55.35 3.44 0.00	61.26 3.82 0.00	57.67 2.85 0.00	68.11 3.62 0.00	85.40 3.92 0.00	91.08 5.28 0.00	91.77 5.03 0.00	91.98 5.09 0.00	87.07 4.52 0.00	75.38 4.34 0.00	52.28 3.25 0.00

OAKDALE___35_KV_LOAD 356122	47.53 0.58 0.00	34.10 0.41 0.00	35.81 0.47 0.00	33.69 0.43 0.00	32.17 0.42 0.00	32.55 0.40 0.00	32.91 0.44 0.00	36.94 0.54 0.00	32.64 0.47 0.00	43.60 0.58 0.00	49.27 0.65 0.00	50.59 0.83 0.00	52.75 0.98 0.00	52.78 0.87 0.00	58.57 1.14 0.00	56.06 1.24 0.00	66.04 1.54 0.00	83.68 2.20 0.00	88.77 2.96 0.00	89.38 2.63 0.00	89.10 2.20 0.00	84.34 1.79 0.00	72.72 1.67 0.00	50.17 1.15 0.00
OCC_CHEM___DRP 24175	47.86 0.92 0.00	34.01 0.32 0.00	35.64 0.30 0.00	33.44 0.17 0.00	31.65 -0.09 0.00	31.73 -0.42 0.00	32.21 -0.26 0.00	36.73 0.33 0.00	33.22 1.05 0.00	44.82 1.81 0.00	50.76 2.14 0.00	52.43 2.67 0.00	54.66 2.89 0.00	54.32 2.41 0.00	60.13 2.69 0.00	56.25 1.43 0.00	66.27 1.77 0.00	81.74 0.26 0.00	88.29 2.48 0.00	88.75 2.01 0.00	89.34 2.45 0.00	84.76 2.21 0.00	74.16 3.11 0.00	51.86 2.84 0.00
OH_GEN_PROXY 24063	69.75 0.97 -21.84	34.06 0.37 0.00	35.70 0.36 0.00	33.52 0.25 0.00	31.74 -0.01 0.00	31.83 -0.33 0.00	32.31 -0.15 0.00	35.79 0.42 1.02	33.22 1.06 0.00	44.60 1.85 0.27	50.77 2.16 0.00	52.43 2.66 0.00	54.64 2.88 0.00	53.58 2.45 0.78	60.24 2.80 0.00	56.42 1.60 0.00	66.51 2.02 0.00	82.71 1.23 0.00	88.81 3.01 0.00	86.80 2.48 2.42	88.72 2.86 1.04	85.13 2.58 0.00	74.28 3.23 0.00	51.87 2.85 0.00
OLIN_CORP_DRP 24177	47.86 0.92 0.00	33.98 0.30 0.00	35.61 0.28 0.00	33.42 0.15 0.00	31.64 -0.11 0.00	31.69 -0.46 0.00	32.23 -0.24 0.00	36.85 0.45 0.00	33.32 1.15 0.00	44.94 1.93 0.00	50.89 2.27 0.00	52.58 2.81 0.00	54.84 3.08 0.00	54.49 2.58 0.00	60.17 2.73 0.00	56.23 1.41 0.00	66.24 1.74 0.00	81.71 0.23 0.00	88.38 2.57 0.00	88.86 2.11 0.00	89.45 2.56 0.00	84.86 2.31 0.00	74.31 3.26 0.00	51.91 2.89 0.00
OLIN_CORP_DSASP 323712	47.86 0.92 0.00	34.00 0.31 0.00	35.64 0.30 0.00	33.44 0.17 0.00	31.65 -0.09 0.00	31.73 -0.43 0.00	32.22 -0.25 0.00	36.73 0.33 0.00	33.21 1.04 0.00	44.82 1.81 0.00	50.75 2.13 0.00	52.43 2.67 0.00	54.66 2.89 0.00	54.32 2.41 0.00	60.13 2.69 0.00	56.23 1.41 0.00	66.26 1.77 0.00	82.19 0.71 0.00	88.34 2.53 0.00	88.74 2.00 0.00	89.33 2.44 0.00	84.76 2.21 0.00	74.14 3.09 0.00	51.87 2.84 0.00
ONEIDA_HERK_LFGE 323681	48.34 1.40 0.00	34.48 0.80 0.00	36.06 0.72 0.00	34.02 0.75 0.00	32.51 0.76 0.00	33.00 0.84 0.00	33.26 0.79 0.00	37.26 0.86 0.00	32.92 0.76 0.00	44.16 1.15 0.00	49.97 1.35 0.00	51.05 1.28 0.00	53.37 1.61 0.00	53.19 1.27 0.00	58.87 1.43 0.00	56.71 1.89 0.00	66.47 1.98 0.00	85.01 3.53 0.00	90.02 4.21 0.00	91.32 4.57 0.00	91.42 4.53 0.00	86.15 3.60 0.00	73.63 2.58 0.00	50.78 1.75 0.00
ONEIDA___115KV_TB4 55905	48.60 1.66 0.00	34.79 1.11 0.00	36.45 1.11 0.00	34.33 1.06 0.00	32.76 1.02 0.00	33.16 1.00 0.00	33.49 1.01 0.00	37.53 1.13 0.00	33.11 0.94 0.00	44.43 1.41 0.00	50.19 1.57 0.00	51.18 1.41 0.00	53.54 1.77 0.00	53.61 1.70 0.00	59.50 2.06 0.00	56.97 2.15 0.00	67.24 2.75 0.00	85.72 4.24 0.00	90.84 5.03 0.00	91.51 4.77 0.00	91.35 4.46 0.00	86.45 3.90 0.00	74.07 3.02 0.00	51.02 1.99 0.00
ONONDAGA_REF_OCCRA 23987	47.45 0.44 -0.07	33.93 0.24 0.00	35.58 0.24 0.00	33.46 0.19 0.00	31.91 0.17 0.00	32.27 0.11 0.00	32.61 0.15 0.00	36.61 0.21 0.00	32.39 0.23 0.00	43.30 0.29 0.00	48.91 0.30 0.00	50.25 0.48 0.00	52.49 0.72 0.00	52.63 0.72 0.00	58.37 0.91 -0.03	55.75 0.92 -0.01	65.73 1.21 -0.03	83.94 1.62 -0.84	88.76 2.14 -0.81	88.68 1.88 -0.05	88.74 1.57 -0.28	84.31 1.30 -0.46	72.41 0.99 -0.37	49.71 0.69 0.00
ONONDAGA___COGEN 23986	47.37 0.21 -0.23	33.74 0.06 0.00	35.38 0.04 0.00	33.29 0.02 0.00	31.74 0.00 0.00	32.10 -0.05 0.00	32.44 -0.03 0.00	36.42 0.03 0.00	32.22 0.06 0.00	43.03 0.02 0.00	48.66 0.05 0.00	50.00 0.23 0.00	52.25 0.48 0.00	52.38 0.47 0.00	58.15 0.63 -0.08	55.45 0.61 -0.02	65.47 0.89 -0.08	85.30 1.08 -2.73	89.98 1.52 -2.65	88.21 1.31 -0.15	88.86 1.05 -0.92	84.87 0.82 -1.50	72.84 0.59 -1.20	49.44 0.41 0.00
ONTARIO___LFGE 23819	48.76 1.73 -0.08	34.84 1.15 0.00	36.49 1.16 0.00	34.28 1.01 0.00	32.62 0.87 0.00	32.95 0.80 0.00	33.35 0.88 0.00	37.61 1.21 0.00	33.49 1.33 0.00	44.79 1.77 0.00	50.62 2.00 0.00	51.93 2.17 0.00	54.23 2.47 0.00	54.40 2.49 0.00	60.56 3.09 -0.03	57.67 2.85 -0.01	68.11 3.58 -0.03	86.21 3.69 -1.03	91.76 4.95 -1.00	91.58 4.77 -0.06	91.93 4.69 -0.34	87.35 4.23 -0.57	75.51 4.00 -0.45	51.88 2.86 0.00
ORANGEVILLE_WT_PWR 323706	47.93 0.99 0.00	34.14 0.46 0.00	35.80 0.46 0.00	33.65 0.38 0.00	31.94 0.20 0.00	32.16 0.01 0.00	32.62 0.15 0.00	37.03 0.63 0.00	33.44 1.27 0.00	45.02 2.00 0.00	50.65 2.03 0.00	52.06 2.30 0.00	54.37 2.61 0.00	54.18 2.27 0.00	60.44 3.00 0.00	56.65 1.83 0.00	66.95 2.45 0.00	83.90 2.43 0.00	89.85 4.04 0.00	90.70 3.96 0.00	91.47 4.57 0.00	86.72 4.17 0.00	75.42 4.37 0.00	52.38 3.35 0.00
ORANGEVILLE___ESR 323794	47.93 0.99 0.00	34.14 0.46 0.00	35.80 0.46 0.00	33.65 0.38 0.00	31.94 0.20 0.00	32.16 0.01 0.00	32.62 0.15 0.00	37.03 0.63 0.00	33.44 1.27 0.00	45.02 2.00 0.00	50.65 2.03 0.00	52.06 2.30 0.00	54.37 2.61 0.00	54.18 2.27 0.00	60.44 3.00 0.00	56.65 1.83 0.00	66.95 2.45 0.00	83.90 2.43 0.00	89.85 4.04 0.00	90.70 3.96 0.00	91.47 4.57 0.00	86.72 4.17 0.00	75.42 4.37 0.00	52.38 3.35 0.00
OSWEGATCHIE___HYD 24044	47.77 0.74 -0.08	33.83 0.14 0.00	35.25 -0.09 0.00	33.25 -0.02 0.00	31.77 0.02 0.00	32.37 0.21 0.00	32.58 0.11 0.00	36.60 0.20 0.00	32.39 0.22 0.00	43.63 0.62 0.00	49.38 0.76 0.00	50.37 0.60 0.00	52.82 1.06 0.00	52.35 0.44 0.00	57.71 0.24 -0.03	55.40 0.57 -0.01	64.55 0.03 -0.03	83.41 0.90 -1.03	87.73 0.93 -1.00	89.29 2.48 -0.06	90.56 3.32 -0.34	85.62 2.51 -0.57	73.16 1.66 -0.45	50.14 1.11 0.00
OSWEGO___5 23606	47.73 -0.60 -1.38	33.22 -0.47 0.00	34.84 -0.50 0.00	32.80 -0.47 0.00	31.27 -0.48 0.00	31.63 -0.52 0.00	31.96 -0.51 0.00	35.88 -0.52 0.00	31.75 -0.41 0.00	42.44 -0.58 0.00	47.98 -0.64 0.00	49.22 -0.55 0.00	51.32 -0.44 0.00	51.43 -0.49 0.00	57.45 -0.50 -0.51	54.46 -0.49 -0.12	64.53 -0.48 -0.51	97.47 -0.58 -16.57	101.60 -0.30 -16.08	87.25 -0.43 -0.93	91.86 -0.59 -5.56	90.94 -0.72 -9.11	77.65 -0.66 -7.25	48.63 -0.40 0.00
OSWEGO___6 23613	47.73 -0.60 -1.38	33.22 -0.47 0.00	34.84 -0.50 0.00	32.80 -0.47 0.00	31.27 -0.48 0.00	31.63 -0.52 0.00	31.96 -0.51 0.00	35.88 -0.52 0.00	31.75 -0.41 0.00	42.44 -0.58 0.00	47.98 -0.64 0.00	49.22 -0.55 0.00	51.32 -0.44 0.00	51.43 -0.49 0.00	57.45 -0.50 -0.51	54.46 -0.49 -0.12	64.53 -0.48 -0.51	97.47 -0.58 -16.57	101.60 -0.30 -16.08	87.25 -0.43 -0.93	91.86 -0.59 -5.56	90.94 -0.72 -9.11	77.65 -0.66 -7.25	48.63 -0.40 0.00

OUTOKUMPU-AB____DRP 24206	48.91 1.97 0.00	34.71 1.02 0.00	36.36 1.02 0.00	34.09 0.83 0.00	32.26 0.51 0.00	32.34 0.18 0.00	32.83 0.36 0.00	37.44 1.05 0.00	33.88 1.71 0.00	45.76 2.74 0.00	51.82 3.20 0.00	53.57 3.80 0.00	55.91 4.15 0.00	55.61 3.70 0.00	61.44 4.00 0.00	57.40 2.58 0.00	67.69 3.20 0.00	83.68 2.20 0.00	90.46 4.65 0.00	90.90 4.15 0.00	91.44 4.55 0.00	86.89 4.34 0.00	76.06 5.01 0.00	53.06 4.03 0.00
OXBOW____BTM 323836	48.45 1.51 0.00	34.39 0.70 0.00	36.03 0.69 0.00	33.79 0.52 0.00	31.97 0.23 0.00	32.05 -0.11 0.00	32.54 0.07 0.00	37.11 0.71 0.00	33.56 1.39 0.00	45.33 2.31 0.00	51.32 2.71 0.00	53.07 3.30 0.00	55.37 3.60 0.00	55.04 3.13 0.00	60.69 3.25 0.00	56.73 1.91 0.00	66.89 2.39 0.00	83.02 1.54 0.00	89.28 3.47 0.00	89.68 2.93 0.00	90.25 3.36 0.00	85.72 3.17 0.00	75.13 4.08 0.00	52.53 3.51 0.00
OXBOW____ 24026	48.45 1.51 0.00	34.39 0.71 0.00	36.03 0.69 0.00	33.79 0.52 0.00	31.97 0.22 0.00	32.05 -0.11 0.00	32.54 0.07 0.00	37.11 0.71 0.00	33.57 1.40 0.00	45.33 2.31 0.00	51.34 2.72 0.00	53.07 3.31 0.00	55.37 3.60 0.00	55.04 3.13 0.00	60.70 3.25 0.00	56.74 1.92 0.00	66.89 2.39 0.00	82.60 1.12 0.00	89.24 3.43 0.00	89.68 2.93 0.00	90.25 3.36 0.00	85.72 3.17 0.00	75.16 4.11 0.00	52.53 3.50 0.00
OXY_CHEM_DSASP 323612	47.86 0.92 0.00	34.01 0.32 0.00	35.64 0.30 0.00	33.44 0.17 0.00	31.65 -0.09 0.00	31.73 -0.42 0.00	32.21 -0.26 0.00	36.73 0.33 0.00	33.22 1.05 0.00	44.82 1.81 0.00	50.76 2.14 0.00	52.43 2.67 0.00	54.66 2.89 0.00	54.32 2.41 0.00	60.13 2.69 0.00	56.25 1.43 0.00	66.27 1.77 0.00	81.74 0.26 0.00	88.29 2.48 0.00	88.75 2.01 0.00	89.34 2.45 0.00	84.76 2.21 0.00	74.16 3.11 0.00	51.86 2.84 0.00
OZONE_PARK_ESR 323760	49.95 3.01 0.00	37.91 2.41 -1.82	37.63 2.29 0.00	35.41 2.14 0.00	33.78 2.03 0.00	34.13 1.97 0.00	34.52 2.05 0.00	38.74 2.00 -0.34	33.99 1.80 -0.02	46.26 2.08 -1.16	51.70 2.39 -0.69	54.59 2.42 -2.41	55.10 2.37 -0.96	56.00 2.42 -1.67	60.12 2.69 0.00	58.07 3.23 -0.02	68.76 4.12 -0.15	87.61 6.13 0.00	92.64 6.83 0.00	93.05 6.30 0.00	92.25 5.36 0.00	87.19 4.64 0.00	74.67 3.62 0.00	55.14 2.70 -3.41
PACKARD_115_KV_ADAMS_187_REV_LBMP_A 345013	47.86 0.92 0.00	34.01 0.32 0.00	35.64 0.30 0.00	33.44 0.17 0.00	31.65 -0.09 0.00	31.73 -0.42 0.00	32.21 -0.26 0.00	36.73 0.33 0.00	33.22 1.05 0.00	44.82 1.81 0.00	50.76 2.14 0.00	52.43 2.67 0.00	54.66 2.89 0.00	54.32 2.41 0.00	60.13 2.69 0.00	56.25 1.43 0.00	66.27 1.77 0.00	81.74 0.26 0.00	88.29 2.48 0.00	88.75 2.01 0.00	89.34 2.45 0.00	84.76 2.21 0.00	74.16 3.11 0.00	51.86 2.84 0.00
PACKARD__115KV_DUPONT_184 80571	47.86 0.92 0.00	34.01 0.32 0.00	35.64 0.30 0.00	33.44 0.17 0.00	31.65 -0.09 0.00	31.73 -0.42 0.00	32.21 -0.26 0.00	36.73 0.33 0.00	33.22 1.05 0.00	44.82 1.81 0.00	50.76 2.14 0.00	52.43 2.67 0.00	54.66 2.89 0.00	54.32 2.41 0.00	60.13 2.69 0.00	56.25 1.43 0.00	66.27 1.77 0.00	81.74 0.26 0.00	88.29 2.48 0.00	88.75 2.01 0.00	89.34 2.45 0.00	84.76 2.21 0.00	74.16 3.11 0.00	51.86 2.84 0.00
PARKCHTR_138_KV_TB2S_REV_LBMP_J 345007	49.55 2.61 0.00	37.62 2.12 -1.82	37.32 1.98 0.00	35.14 1.87 0.00	33.54 1.79 0.00	33.87 1.72 0.00	34.27 1.80 0.00	38.44 1.70 -0.34	33.71 1.52 -0.02	45.79 1.61 -1.16	51.17 1.86 -0.69	54.03 1.86 -2.41	54.54 1.81 -0.96	55.44 1.86 -1.67	59.46 2.02 0.00	57.43 2.58 -0.02	67.99 3.35 -0.15	86.63 5.15 0.00	91.57 5.76 0.00	91.95 5.20 0.00	91.15 4.25 0.00	86.11 3.56 0.00	73.72 2.67 0.00	54.52 2.08 -3.41
PARKCHTR_13_KV_CPCTY_REV_LBMP_J 345019	51.26 4.32 0.00	38.84 3.34 -1.82	38.59 3.25 0.00	36.35 3.08 0.00	34.68 2.93 0.00	35.00 2.85 0.00	35.41 2.94 0.00	39.74 3.00 -0.34	34.86 2.67 -0.02	47.37 3.20 -1.16	52.96 3.65 -0.69	55.93 3.76 -2.41	56.49 3.76 -0.96	57.34 3.76 -1.67	61.60 4.16 0.00	59.42 4.58 -0.02	70.36 5.71 -0.15	89.60 8.12 0.00	94.75 8.94 0.00	95.08 8.33 0.00	94.32 7.42 0.00	89.13 6.58 0.00	76.30 5.25 0.00	56.31 3.87 -3.41
PATROON__115KV_TB1 80586	47.17 0.23 0.00	32.63 0.39 1.45	35.87 0.53 0.00	33.82 0.55 0.00	32.41 0.67 0.00	32.80 0.64 0.00	33.10 0.63 0.00	36.54 0.42 0.27	32.34 0.19 0.02	41.78 -0.31 0.93	47.67 -0.39 0.55	47.46 -0.39 1.92	50.50 -0.50 0.77	50.18 -0.40 1.33	57.08 -0.36 0.00	54.78 -0.02 0.02	64.56 0.18 0.12	82.56 1.08 0.00	87.53 1.72 0.00	88.22 1.48 0.00	87.58 0.69 0.00	82.97 0.42 0.00	71.14 0.09 0.00	46.41 0.11 2.73
PATTRSNVILLE____SOLAR 323815	48.72 1.77 0.00	33.82 1.31 1.18	36.79 1.45 0.00	34.64 1.37 0.00	33.04 1.30 0.00	33.44 1.29 0.00	33.77 1.30 0.00	37.43 1.25 0.22	32.96 0.81 0.01	42.89 0.63 0.75	48.87 0.70 0.45	48.96 0.75 1.56	51.72 0.58 0.63	51.76 0.93 1.08	58.24 0.79 0.00	55.68 0.88 0.02	65.91 1.51 0.10	84.10 2.62 0.00	89.72 3.91 0.00	90.90 4.15 0.00	90.77 3.87 0.00	85.96 3.41 0.00	73.79 2.74 0.00	48.71 1.89 2.21
PAVMNTRD_115_KV_BK1_REV_LBMP_A 345030	48.96 2.01 0.00	34.76 1.07 0.00	36.41 1.07 0.00	34.15 0.88 0.00	32.34 0.60 0.00	32.46 0.30 0.00	32.93 0.46 0.00	37.48 1.08 0.00	33.87 1.70 0.00	45.78 2.77 0.00	51.85 3.23 0.00	53.47 3.70 0.00	55.81 4.04 0.00	55.63 3.72 0.00	61.74 4.30 0.00	58.03 3.21 0.00	68.53 4.04 0.00	85.08 3.60 0.00	91.91 6.10 0.00	92.23 5.49 0.00	92.49 5.60 0.00	87.59 5.04 0.00	76.30 5.25 0.00	53.08 4.05 0.00
PAWLING_115_KV_BK3_REV_LBMP_H 345028	49.53 2.59 0.00	37.33 2.04 -1.60	37.32 1.98 0.00	35.12 1.85 0.00	33.53 1.79 0.00	33.90 1.75 0.00	34.28 1.81 0.00	38.44 1.73 -0.30	33.71 1.52 -0.02	45.79 1.75 -1.03	51.33 2.09 -0.61	54.07 2.18 -2.13	54.84 2.22 -0.85	55.71 2.32 -1.47	60.06 2.62 0.00	57.91 3.07 -0.02	68.59 3.96 -0.13	87.44 5.96 0.00	92.47 6.66 0.00	92.90 6.15 0.00	92.05 5.16 0.00	86.93 4.38 0.00	74.35 3.30 0.00	54.38 2.34 -3.01
PEEKSKILL____ 23653	49.06 2.12 0.00	37.18 1.72 -1.78	36.96 1.62 0.00	34.79 1.52 0.00	33.22 1.48 0.00	33.59 1.44 0.00	33.97 1.50 0.00	38.11 1.37 -0.33	33.38 1.19 -0.02	45.42 1.27 -1.14	50.80 1.50 -0.68	53.66 1.54 -2.36	54.21 1.50 -0.95	55.11 1.56 -1.64	59.13 1.69 0.00	57.05 2.21 -0.02	67.57 2.92 -0.15	85.97 4.49 0.00	91.00 5.19 0.00	91.45 4.70 0.00	90.66 3.77 0.00	85.67 3.12 0.00	73.37 2.32 0.00	54.11 1.74 -3.35
PGE MADISON____WINDPWR 24146	49.99 3.05 0.00	35.73 2.04 0.00	37.61 2.27 0.00	35.20 1.94 0.00	33.80 2.06 0.00	34.25 2.09 0.00	34.69 2.22 0.00	38.98 2.58 0.00	34.52 2.35 0.00	46.25 3.24 0.00	52.76 4.14 0.00	53.56 3.79 0.00	55.71 3.94 0.00	56.16 4.25 0.00	62.41 4.98 0.00	60.08 5.26 0.00	70.91 6.41 0.00	89.83 8.35 0.00	96.55 10.74 0.00	98.19 11.44 0.00	97.29 10.40 0.00	91.72 9.17 0.00	78.03 6.99 0.00	53.32 4.30 0.00

PIERCEFIELD___HYD 23852	47.17 0.22 0.00	33.50 -0.19 0.00	34.96 -0.37 0.00	32.89 -0.38 0.00	31.36 -0.39 0.00	31.95 -0.21 0.00	32.20 -0.27 0.00	36.28 -0.12 0.00	32.16 0.00 0.00	43.47 0.46 0.00	49.16 0.54 0.00	50.06 0.30 0.00	52.18 0.41 0.00	52.20 0.29 0.00	57.50 0.06 0.00	54.50 -0.32 0.00	63.88 -0.62 0.00	80.44 -1.04 0.00	83.46 -2.34 0.00	86.27 -0.48 0.00	87.49 0.59 0.00	83.26 0.71 0.00	71.62 0.57 0.00	49.33 0.31 0.00
PINELAWN_CC_1 323563	49.66 2.72 0.00	37.74 2.24 -1.82	37.40 2.06 0.00	35.14 1.88 0.00	33.51 1.77 0.00	33.81 1.65 0.00	34.18 1.71 0.00	38.12 1.38 -0.34	33.25 1.06 -0.02	45.25 1.08 -1.16	51.58 2.27 -0.69	54.03 1.85 -2.41	54.57 1.84 -0.96	55.48 1.90 -1.67	59.07 1.63 0.00	57.48 2.64 -0.02	67.02 3.08 0.55	84.00 5.12 2.60	88.52 5.13 2.42	90.01 4.59 1.33	90.71 3.81 0.00	85.84 3.29 0.00	72.63 2.05 0.47	53.70 1.77 -2.91
PJM_GEN_HTP_PROXY 323702	49.10 2.41 0.25	37.50 1.99 -1.82	37.21 1.87 0.00	35.02 1.75 0.00	33.42 1.68 0.00	33.78 1.63 0.00	34.16 1.69 0.00	38.12 1.60 -0.12	34.16 1.42 -0.57	45.73 1.55 -1.16	51.11 1.80 -0.69	53.96 1.79 -2.41	54.45 1.72 -0.96	55.34 1.77 -1.67	59.38 1.94 0.00	57.35 2.51 -0.02	67.85 3.21 -0.15	86.33 4.85 0.00	91.37 5.56 0.00	91.36 5.03 0.41	90.98 4.09 0.00	85.97 3.42 0.00	73.62 2.57 0.00	52.49 1.99 -1.48
PJM_GEN_KEystone 24065	48.00 1.30 0.25	35.57 0.92 -0.96	36.18 0.84 0.00	34.04 0.77 0.00	32.43 0.69 0.00	32.73 0.58 0.00	33.15 0.69 0.00	37.12 0.76 0.04	33.62 0.90 -0.56	44.78 1.15 -0.62	50.26 1.28 -0.37	52.52 1.48 -1.28	53.79 1.51 -0.51	54.21 1.42 -0.88	59.04 1.60 0.00	56.45 1.62 -0.01	66.85 2.27 -0.08	84.43 2.95 0.00	89.89 4.08 0.00	89.85 3.51 0.41	89.80 2.91 0.00	84.95 2.40 0.00	73.30 2.25 0.00	52.35 1.81 -1.52
PJM_GEN_NEPTUNE_PROXY 323594	48.94 2.25 0.25	37.38 1.88 -1.82	37.07 1.73 0.00	34.84 1.57 0.00	33.23 1.49 0.00	33.56 1.40 0.00	33.93 1.47 0.00	37.67 1.15 -0.12	33.62 0.88 -0.57	45.04 0.86 -1.16	51.11 1.80 -0.69	53.60 1.43 -2.41	54.14 1.41 -0.96	55.05 1.47 -1.67	58.63 1.19 0.00	56.91 2.07 -0.02	66.86 2.41 0.05	82.92 4.05 2.61	88.48 4.24 1.57	90.10 3.76 0.41	89.86 2.97 0.00	85.05 2.50 0.00	71.90 1.43 0.58	51.23 1.34 -0.86
PJM_GEN_VFT_PROXY 323633	48.94 2.25 0.25	37.38 1.88 -1.82	37.06 1.73 0.00	34.89 1.63 0.00	33.30 1.55 0.00	33.66 1.51 0.00	34.05 1.58 0.00	37.99 1.47 -0.12	34.06 1.32 -0.57	45.58 1.41 -1.16	50.88 1.57 -0.69	53.66 1.48 -2.40	54.07 1.39 -0.92	55.04 1.47 -1.67	59.04 1.60 0.00	57.06 2.22 -0.02	67.54 2.90 -0.15	85.90 4.42 0.00	90.92 5.11 0.00	90.91 4.57 0.41	90.52 3.62 0.00	85.52 2.97 0.00	73.24 2.19 0.00	52.25 1.74 -1.48
PLATSBURG_115KV_PMLD1 355749	46.22 -0.72 0.00	32.86 -0.82 0.00	34.30 -1.04 0.00	32.22 -1.05 0.00	30.65 -1.09 0.00	31.20 -0.96 0.00	31.55 -0.92 0.00	35.68 -0.72 0.00	31.74 -0.43 0.00	42.93 -0.08 0.00	48.23 -0.39 0.00	49.30 -0.47 0.00	51.08 -0.68 0.00	51.13 -0.78 0.00	56.19 -1.25 0.00	53.12 -1.70 0.00	62.74 -1.76 0.00	79.02 -2.46 0.00	82.64 -3.17 0.00	84.32 -2.43 0.00	85.06 -1.83 0.00	81.02 -1.53 0.00	69.62 -1.43 0.00	47.89 -1.13 0.00
PLEASANTVLY___LBMP 24000	48.56 1.62 0.00	37.11 1.39 -2.04	36.69 1.35 0.00	34.57 1.30 0.00	33.02 1.27 0.00	33.39 1.24 0.00	33.76 1.29 0.00	37.89 1.11 -0.38	33.10 0.91 -0.02	45.17 0.85 -1.30	50.41 1.02 -0.77	53.48 1.02 -2.70	53.82 0.97 -1.08	54.78 1.01 -1.87	58.55 1.11 0.00	56.42 1.58 -0.03	66.79 2.12 -0.17	85.10 3.63 0.00	90.02 4.22 0.00	90.49 3.74 0.00	89.72 2.83 0.00	84.83 2.28 0.00	72.66 1.61 0.00	54.10 1.25 -3.82
PLSNTVLE_13_KV_13.8KVDIST 80602	49.15 2.21 0.00	37.35 1.83 -1.83	37.05 1.71 0.00	34.89 1.62 0.00	33.32 1.58 0.00	33.68 1.52 0.00	34.06 1.58 0.00	38.19 1.46 -0.34	33.44 1.26 -0.02	45.56 1.37 -1.17	50.95 1.63 -0.70	53.84 1.64 -2.43	54.35 1.60 -0.97	55.25 1.66 -1.68	59.27 1.83 0.00	57.19 2.34 -0.02	67.69 3.05 -0.15	86.27 4.79 0.00	91.22 5.41 0.00	91.65 4.91 0.00	90.86 3.97 0.00	85.87 3.32 0.00	73.51 2.47 0.00	54.31 1.84 -3.44
PLSNTVLE_13_KV_13KVDISA_REV_LBMP_I 345020	49.15 2.21 0.00	37.35 1.83 -1.83	37.05 1.71 0.00	34.89 1.62 0.00	33.32 1.58 0.00	33.68 1.52 0.00	34.06 1.58 0.00	38.19 1.46 -0.34	33.44 1.26 -0.02	45.56 1.37 -1.17	50.95 1.63 -0.70	53.84 1.64 -2.43	54.35 1.60 -0.97	55.25 1.66 -1.68	59.27 1.83 0.00	57.19 2.34 -0.02	67.69 3.05 -0.15	86.27 4.79 0.00	91.22 5.41 0.00	91.65 4.91 0.00	90.86 3.97 0.00	85.87 3.32 0.00	73.51 2.47 0.00	54.31 1.84 -3.44
PLSTVYCH_69_KV_RQ-3_RG2_REV_LBMP_G 345023	49.15 2.21 0.00	35.44 1.75 0.00	37.06 1.72 0.00	34.91 1.64 0.00	33.34 1.60 0.00	33.72 1.56 0.00	34.08 1.61 0.00	37.89 1.49 0.00	33.45 1.28 0.00	44.43 1.41 0.00	50.31 1.69 0.00	51.51 1.74 0.00	53.52 1.76 0.00	53.73 1.82 0.00	59.49 2.05 0.00	57.33 2.51 0.00	67.77 3.28 0.00	86.61 5.13 0.00	91.68 5.87 0.00	92.15 5.40 0.00	91.33 4.43 0.00	86.27 3.72 0.00	73.81 2.76 0.00	50.99 1.97 0.00
POLETTI_____ 23519	49.30 2.37 0.00	37.47 1.97 -1.82	37.18 1.84 0.00	34.99 1.73 0.00	33.40 1.66 0.00	33.75 1.60 0.00	34.14 1.67 0.00	38.30 1.56 -0.34	33.58 1.40 -0.02	45.69 1.52 -1.16	51.04 1.73 -0.69	53.89 1.71 -2.41	54.38 1.65 -0.96	55.26 1.68 -1.67	59.27 1.83 0.00	57.26 2.41 -0.02	67.78 3.14 -0.15	86.37 4.90 0.00	91.29 5.49 0.00	91.69 4.94 0.00	90.88 3.98 0.00	85.87 3.32 0.00	73.54 2.49 0.00	54.36 1.92 -3.41
POMONA___ESR 323819	49.18 2.24 0.00	37.17 1.78 -1.70	37.01 1.67 0.00	34.86 1.59 0.00	33.27 1.52 0.00	33.64 1.48 0.00	34.02 1.55 0.00	38.16 1.45 -0.32	33.44 1.26 -0.02	45.49 1.39 -1.09	50.90 1.64 -0.65	53.73 1.71 -2.25	54.37 1.70 -0.90	55.26 1.79 -1.56	59.37 1.93 0.00	57.29 2.45 -0.02	67.88 3.25 -0.14	86.32 4.84 0.00	91.40 5.59 0.00	91.84 5.09 0.00	91.04 4.15 0.00	86.01 3.46 0.00	73.66 2.61 0.00	54.12 1.90 -3.19
PORT_JEFF_3 23555	49.32 2.37 0.00	37.54 2.04 -1.82	37.20 1.87 0.00	34.94 1.67 0.00	33.32 1.57 0.00	33.62 1.46 0.00	33.99 1.52 0.00	37.81 1.07 -0.34	33.00 0.81 -0.02	44.87 0.69 -1.16	51.36 2.05 -0.69	53.77 1.60 -2.41	54.29 1.55 -0.96	55.24 1.66 -1.67	58.73 1.30 0.01	57.18 2.34 -0.02	65.63 2.33 1.20	82.18 4.54 3.84	86.24 4.52 4.08	87.97 3.98 2.75	89.98 3.09 0.00	85.38 2.83 0.00	72.06 1.54 0.54	53.28 1.41 -2.84
PORT_JEFF_4 23616	49.32 2.37 0.00	37.54 2.04 -1.82	37.20 1.87 0.00	34.94 1.67 0.00	33.32 1.57 0.00	33.62 1.46 0.00	33.99 1.52 0.00	37.81 1.07 -0.34	33.00 0.81 -0.02	44.87 0.69 -1.16	51.36 2.05 -0.69	53.77 1.60 -2.41	54.29 1.55 -0.96	55.24 1.66 -1.67	58.73 1.30 0.01	57.18 2.34 -0.02	65.63 2.33 1.20	82.18 4.54 3.84	86.24 4.52 4.08	87.97 3.98 2.75	89.98 3.09 0.00	85.38 2.83 0.00	72.06 1.54 0.54	53.28 1.41 -2.84

PORT_JEFF_IC 23713	49.39 2.45 0.00	37.59 2.09 -1.82	37.25 1.91 0.00	34.98 1.72 0.00	33.36 1.62 0.00	33.66 1.50 0.00	34.02 1.55 0.00	37.87 1.13 -0.34	33.06 0.87 -0.02	44.97 0.79 -1.16	51.45 2.14 -0.69	53.89 1.72 -2.41	54.44 1.71 -0.96	55.42 1.84 -1.67	58.92 1.49 0.01	57.40 2.56 -0.02	65.20 2.27 1.57	82.24 5.13 4.37	85.33 4.48 4.96	86.98 3.85 3.62	89.90 3.01 0.00	85.57 3.02 0.00	72.22 1.71 0.53	53.33 1.46 -2.84
PPL PILGRIM_ST_GT1 24216	49.77 2.83 0.00	37.82 2.32 -1.82	37.50 2.17 0.00	35.22 1.95 0.00	33.58 1.84 0.00	33.88 1.73 0.00	34.27 1.80 0.00	38.15 1.41 -0.34	33.28 1.09 -0.02	45.27 1.09 -1.16	51.74 2.43 -0.69	54.17 2.00 -2.41	54.69 1.96 -0.96	55.61 2.03 -1.67	59.16 1.74 0.01	57.65 2.81 -0.02	66.16 3.13 1.47	82.53 5.12 4.07	85.55 4.44 4.69	87.11 3.76 3.39	89.86 2.96 0.00	85.04 2.49 0.00	72.06 1.53 0.52	53.61 1.73 -2.85
PPL PILGRIM_ST_GT2 24217	49.77 2.83 0.00	37.82 2.32 -1.82	37.50 2.17 0.00	35.22 1.95 0.00	33.58 1.84 0.00	33.88 1.73 0.00	34.27 1.80 0.00	38.15 1.41 -0.34	33.28 1.09 -0.02	45.27 1.09 -1.16	51.74 2.43 -0.69	54.17 2.00 -2.41	54.69 1.96 -0.96	55.61 2.03 -1.67	59.16 1.74 0.01	57.65 2.81 -0.02	66.16 3.13 1.47	82.53 5.12 4.07	85.55 4.44 4.69	87.11 3.76 3.39	89.86 2.96 0.00	85.04 2.49 0.00	72.06 1.53 0.52	53.61 1.73 -2.85
PPL_SHRM_GT3 24213	49.01 2.07 0.00	37.30 1.80 -1.82	36.94 1.60 0.00	34.68 1.41 0.00	33.08 1.33 0.00	33.36 1.20 0.00	33.72 1.25 0.00	37.53 0.79 -0.34	32.81 0.62 -0.02	44.64 0.47 -1.16	51.06 1.75 -0.69	53.44 1.27 -2.41	53.96 1.23 -0.96	54.99 1.41 -1.67	58.55 1.12 0.01	57.14 2.29 -0.02	65.70 2.49 1.28	82.17 4.64 3.95	86.07 4.54 4.27	87.82 4.01 2.94	89.91 3.02 0.00	85.05 2.50 0.00	71.73 1.21 0.53	52.95 1.08 -2.84
PPL_SHRM_GT4 24214	49.01 2.07 0.00	37.30 1.80 -1.82	36.94 1.60 0.00	34.68 1.41 0.00	33.08 1.33 0.00	33.36 1.20 0.00	33.72 1.25 0.00	37.53 0.79 -0.34	32.81 0.62 -0.02	44.64 0.47 -1.16	51.06 1.75 -0.69	53.44 1.27 -2.41	53.96 1.23 -0.96	54.99 1.41 -1.67	58.55 1.12 0.01	57.14 2.29 -0.02	65.70 2.49 1.28	82.17 4.64 3.95	86.07 4.54 4.27	87.82 4.01 2.94	89.91 3.02 0.00	85.05 2.50 0.00	71.73 1.21 0.53	52.95 1.08 -2.84
PROJECT___ORANGE 1 24174	47.15 0.15 -0.05	33.74 0.06 0.00	35.37 0.03 0.00	33.28 0.01 0.00	31.73 -0.01 0.00	32.07 -0.08 0.00	32.42 -0.05 0.00	36.40 0.00 0.00	32.23 0.07 0.00	43.08 0.06 0.00	48.70 0.09 0.00	50.04 0.28 0.00	52.26 0.49 0.00	52.39 0.48 0.00	58.08 0.62 -0.02	55.40 0.57 0.00	65.35 0.83 -0.02	83.21 1.08 -0.66	87.97 1.53 -0.63	88.06 1.28 -0.04	88.12 1.01 -0.22	83.66 0.75 -0.36	71.87 0.54 -0.28	49.43 0.41 0.00
PROJECT___ORANGE 2 24166	47.15 0.15 -0.05	33.74 0.06 0.00	35.37 0.03 0.00	33.28 0.01 0.00	31.73 -0.01 0.00	32.07 -0.08 0.00	32.42 -0.05 0.00	36.40 0.00 0.00	32.23 0.07 0.00	43.08 0.06 0.00	48.70 0.09 0.00	50.04 0.28 0.00	52.26 0.49 0.00	52.39 0.48 0.00	58.08 0.62 -0.02	55.40 0.57 0.00	65.35 0.83 -0.02	83.21 1.08 -0.66	87.97 1.53 -0.63	88.06 1.28 -0.04	88.12 1.01 -0.22	83.66 0.75 -0.36	71.87 0.54 -0.28	49.43 0.41 0.00
PUCKETT___SOLAR 323809	48.07 1.13 0.00	34.49 0.80 0.00	36.20 0.86 0.00	34.05 0.78 0.00	32.57 0.82 0.00	32.98 0.83 0.00	33.34 0.87 0.00	37.38 0.99 0.00	33.00 0.83 0.00	44.03 1.02 0.00	49.87 1.25 0.00	50.93 1.16 0.00	53.19 1.42 0.00	53.06 1.15 0.00	58.92 1.48 0.00	56.42 1.60 0.00	66.94 2.45 0.00	85.09 3.62 0.00	90.42 4.61 0.00	91.21 4.46 0.00	90.96 4.07 0.00	86.11 3.56 0.00	73.97 2.92 0.00	50.95 1.93 0.00
PYRITES___HYD 24023	48.28 1.33 0.00	34.28 0.59 0.00	35.77 0.43 0.00	33.62 0.35 0.00	32.05 0.30 0.00	32.65 0.49 0.00	32.90 0.43 0.00	36.92 0.52 0.00	32.61 0.45 0.00	43.88 0.87 0.00	49.63 1.01 0.00	50.51 0.74 0.00	52.66 0.89 0.00	52.99 1.08 0.00	58.33 0.89 0.00	55.09 0.27 0.00	65.02 0.52 0.00	81.39 -0.09 0.00	84.58 -1.23 0.00	87.95 1.20 0.00	89.46 2.57 0.00	85.35 2.81 0.00	73.42 2.38 0.00	50.51 1.48 0.00
QUAKERRD_115KV_BK1 80622	47.61 0.67 0.00	33.93 0.25 0.00	35.54 0.20 0.00	33.37 0.10 0.00	31.69 -0.05 0.00	31.92 -0.24 0.00	32.32 -0.15 0.00	36.55 0.15 0.00	32.72 0.55 0.00	43.99 0.97 0.00	49.87 1.25 0.00	51.41 1.64 0.00	53.73 1.97 0.00	53.81 1.90 0.00	59.58 2.14 0.00	56.25 1.43 0.00	66.36 1.87 0.00	83.01 1.53 0.00	88.64 2.83 0.00	89.39 2.65 0.00	89.54 2.65 0.00	84.77 2.22 0.00	73.28 2.23 0.00	50.76 1.74 0.00
QUENSBRY_115KV_TB8 356137	49.70 2.76 0.00	34.25 2.14 1.57	37.74 2.40 0.00	35.47 2.20 0.00	33.85 2.11 0.00	34.22 2.06 0.00	34.61 2.14 0.00	38.13 2.02 0.30	33.80 1.66 0.02	43.64 1.63 1.01	49.41 1.39 0.60	49.07 1.39 2.08	52.14 1.21 0.84	51.89 1.42 1.44	59.24 1.80 0.00	56.99 2.19 0.02	67.53 3.16 0.13	87.06 5.58 0.00	93.19 7.39 0.00	93.83 7.08 0.00	93.30 6.41 0.00	88.45 5.89 0.00	75.35 4.30 0.00	48.92 2.85 2.95
RAMAPO___LBMP 323565	48.92 1.98 0.00	36.95 1.60 -1.67	36.83 1.50 0.00	34.69 1.42 0.00	33.11 1.36 0.00	33.48 1.33 0.00	33.86 1.39 0.00	37.98 1.27 -0.31	33.29 1.10 -0.02	45.25 1.17 -1.07	50.63 1.37 -0.64	53.41 1.43 -2.21	54.06 1.41 -0.89	54.91 1.46 -1.53	59.01 1.57 0.00	56.91 2.07 -0.02	67.45 2.82 -0.14	85.88 4.40 0.00	90.84 5.03 0.00	91.28 4.53 0.00	90.49 3.60 0.00	85.51 2.96 0.00	73.26 2.21 0.00	53.79 1.63 -3.14
RANKINE____ 23646	49.01 2.06 0.00	34.81 1.12 0.00	36.49 1.15 0.00	34.23 0.96 0.00	32.39 0.64 0.00	32.50 0.34 0.00	32.98 0.51 0.00	37.57 1.17 0.00	33.99 1.82 0.00	45.94 2.92 0.00	51.98 3.36 0.00	53.65 3.88 0.00	55.99 4.22 0.00	55.76 3.85 0.00	61.87 4.43 0.00	57.96 3.14 0.00	68.45 3.96 0.00	84.81 3.33 0.00	91.62 5.82 0.00	92.10 5.35 0.00	92.55 5.66 0.00	87.75 5.20 0.00	76.53 5.48 0.00	53.29 4.26 0.00
RAVENSWOOD_GT2_1 24244	49.38 2.44 0.00	37.52 2.02 -1.82	37.24 1.90 0.00	35.05 1.79 0.00	33.45 1.71 0.00	33.81 1.65 0.00	34.19 1.72 0.00	38.37 1.63 -0.34	33.64 1.45 -0.02	45.76 1.59 -1.16	51.12 1.81 -0.69	53.98 1.81 -2.41	54.48 1.75 -0.96	55.36 1.79 -1.67	59.38 1.94 0.00	57.34 2.50 -0.02	67.89 3.24 -0.15	86.50 5.02 0.00	91.44 5.64 0.00	91.83 5.09 0.00	91.04 4.14 0.00	86.03 3.48 0.00	73.66 2.61 0.00	54.44 2.01 -3.41
RAVENSWOOD_GT2_2 24245	49.38 2.44 0.00	37.52 2.02 -1.82	37.24 1.90 0.00	35.05 1.79 0.00	33.45 1.71 0.00	33.81 1.65 0.00	34.19 1.72 0.00	38.37 1.63 -0.34	33.64 1.45 -0.02	45.76 1.59 -1.16	51.12 1.81 -0.69	53.98 1.81 -2.41	54.48 1.75 -0.96	55.36 1.79 -1.67	59.38 1.94 0.00	57.34 2.50 -0.02	67.89 3.24 -0.15	86.50 5.02 0.00	91.44 5.64 0.00	91.83 5.09 0.00	91.04 4.14 0.00	86.03 3.48 0.00	73.66 2.61 0.00	54.44 2.01 -3.41



RAVENSWOOD_GT2_3 24246	49.40 2.46 0.00	37.54 2.04 -1.82	37.25 1.92 0.00	35.07 1.80 0.00	33.47 1.73 0.00	33.83 1.68 0.00	34.22 1.75 0.00	38.39 1.65 -0.34	33.65 1.46 -0.02	45.79 1.62 -1.16	51.16 1.85 -0.69	54.02 1.85 -2.41	54.52 1.79 -0.96	55.40 1.82 -1.67	59.43 2.00 0.00	57.40 2.56 -0.02	67.93 3.29 -0.15	86.56 5.08 0.00	91.49 5.69 0.00	91.90 5.15 0.00	91.11 4.22 0.00	86.10 3.54 0.00	73.70 2.65 0.00	54.48 2.04 -3.41
RAVENSWOOD_GT2_4 24247	49.40 2.46 0.00	37.54 2.04 -1.82	37.25 1.92 0.00	35.07 1.80 0.00	33.47 1.73 0.00	33.83 1.68 0.00	34.22 1.75 0.00	38.39 1.65 -0.34	33.65 1.46 -0.02	45.79 1.62 -1.16	51.16 1.85 -0.69	54.02 1.85 -2.41	54.52 1.79 -0.96	55.40 1.82 -1.67	59.43 2.00 0.00	57.40 2.56 -0.02	67.93 3.29 -0.15	86.56 5.08 0.00	91.49 5.69 0.00	91.90 5.15 0.00	91.11 4.22 0.00	86.10 3.54 0.00	73.70 2.65 0.00	54.48 2.04 -3.41
RAVENSWOOD_GT3_1 24248	49.38 2.44 0.00	37.53 2.03 -1.82	37.24 1.90 0.00	35.05 1.79 0.00	33.45 1.71 0.00	33.81 1.66 0.00	34.20 1.72 0.00	38.37 1.63 -0.34	33.64 1.45 -0.02	45.76 1.59 -1.16	51.12 1.81 -0.69	53.98 1.81 -2.41	54.48 1.75 -0.96	55.37 1.79 -1.67	59.38 1.94 0.00	57.35 2.51 -0.02	67.90 3.25 -0.15	86.50 5.02 0.00	91.44 5.64 0.00	91.84 5.09 0.00	91.04 4.15 0.00	86.03 3.48 0.00	73.66 2.61 0.00	54.44 2.01 -3.41
RAVENSWOOD_GT3_2 24249	49.38 2.44 0.00	37.53 2.03 -1.82	37.24 1.90 0.00	35.05 1.79 0.00	33.45 1.71 0.00	33.81 1.66 0.00	34.20 1.72 0.00	38.37 1.63 -0.34	33.64 1.45 -0.02	45.76 1.59 -1.16	51.12 1.81 -0.69	53.98 1.81 -2.41	54.48 1.75 -0.96	55.37 1.79 -1.67	59.38 1.94 0.00	57.35 2.51 -0.02	67.90 3.25 -0.15	86.50 5.02 0.00	91.44 5.64 0.00	91.84 5.09 0.00	91.04 4.15 0.00	86.03 3.48 0.00	73.66 2.61 0.00	54.44 2.01 -3.41
RAVENSWOOD_GT3_3 24250	49.48 2.54 0.00	37.60 2.10 -1.82	37.31 1.97 0.00	35.12 1.85 0.00	33.52 1.77 0.00	33.87 1.71 0.00	34.25 1.79 0.00	38.44 1.71 -0.34	33.71 1.52 -0.02	45.86 1.68 -1.16	51.24 1.93 -0.69	54.09 1.92 -2.41	54.60 1.87 -0.96	55.50 1.92 -1.67	59.53 2.09 0.00	57.50 2.65 -0.02	68.05 3.41 -0.15	86.72 5.24 0.00	91.66 5.85 0.00	92.06 5.32 0.00	91.25 4.36 0.00	86.25 3.70 0.00	73.84 2.79 0.00	54.57 2.14 -3.41
RAVENSWOOD_GT3_4 24251	49.48 2.54 0.00	37.60 2.10 -1.82	37.31 1.97 0.00	35.12 1.85 0.00	33.52 1.77 0.00	33.87 1.71 0.00	34.25 1.79 0.00	38.44 1.71 -0.34	33.71 1.52 -0.02	45.86 1.68 -1.16	51.24 1.93 -0.69	54.09 1.92 -2.41	54.60 1.87 -0.96	55.50 1.92 -1.67	59.53 2.09 0.00	57.50 2.65 -0.02	68.05 3.41 -0.15	86.72 5.24 0.00	91.66 5.85 0.00	92.06 5.32 0.00	91.25 4.36 0.00	86.25 3.70 0.00	73.84 2.79 0.00	54.57 2.14 -3.41
RAVENSWOOD_GT_1 23729	49.39 2.45 0.00	37.60 2.10 -1.82	37.30 1.96 0.00	35.11 1.84 0.00	33.52 1.77 0.00	33.86 1.71 0.00	34.25 1.78 0.00	38.42 1.69 -0.34	33.71 1.52 -0.02	45.80 1.63 -1.16	51.09 1.78 -0.69	53.91 1.74 -2.41	54.37 1.64 -0.96	55.26 1.68 -1.67	59.24 1.80 0.00	57.25 2.40 -0.02	67.75 3.11 -0.15	86.34 4.86 0.00	91.24 5.43 0.00	91.63 4.88 0.00	90.83 3.93 0.00	85.83 3.28 0.00	73.47 2.42 0.00	54.36 1.92 -3.41
RAVENSWOOD_GT_10 24258	49.39 2.45 0.00	37.53 2.03 -1.82	37.24 1.90 0.00	35.05 1.79 0.00	33.45 1.71 0.00	33.81 1.66 0.00	34.20 1.72 0.00	38.37 1.63 -0.34	33.64 1.45 -0.02	45.77 1.59 -1.16	51.13 1.82 -0.69	53.99 1.82 -2.41	54.50 1.76 -0.96	55.38 1.81 -1.67	59.40 1.96 0.00	57.37 2.53 -0.02	67.91 3.26 -0.15	86.54 5.06 0.00	91.47 5.66 0.00	91.86 5.12 0.00	91.06 4.17 0.00	86.05 3.50 0.00	73.68 2.63 0.00	54.46 2.03 -3.41
RAVENSWOOD_GT_11 24259	49.39 2.45 0.00	37.53 2.03 -1.82	37.24 1.90 0.00	35.05 1.79 0.00	33.45 1.71 0.00	33.81 1.66 0.00	34.20 1.72 0.00	38.37 1.63 -0.34	33.64 1.45 -0.02	45.77 1.59 -1.16	51.13 1.82 -0.69	53.99 1.82 -2.41	54.50 1.76 -0.96	55.38 1.81 -1.67	59.40 1.96 0.00	57.37 2.53 -0.02	67.91 3.26 -0.15	86.54 5.06 0.00	91.47 5.66 0.00	91.86 5.12 0.00	91.06 4.17 0.00	86.05 3.50 0.00	73.68 2.63 0.00	54.46 2.03 -3.41
RAVENSWOOD_GT_4 24252	49.41 2.47 0.00	37.53 2.03 -1.82	37.25 1.91 0.00	35.06 1.79 0.00	33.45 1.71 0.00	33.82 1.66 0.00	34.20 1.73 0.00	38.37 1.63 -0.34	33.64 1.46 -0.02	45.78 1.61 -1.16	51.17 1.86 -0.69	54.04 1.87 -2.41	54.55 1.82 -0.96	55.43 1.85 -1.67	59.45 2.02 0.00	57.42 2.57 -0.02	67.97 3.33 -0.15	86.60 5.12 0.00	91.54 5.74 0.00	91.95 5.20 0.00	91.15 4.25 0.00	86.13 3.58 0.00	73.75 2.71 0.00	54.51 2.07 -3.41
RAVENSWOOD_GT_5 24254	49.41 2.47 0.00	37.53 2.03 -1.82	37.25 1.91 0.00	35.06 1.79 0.00	33.45 1.71 0.00	33.82 1.66 0.00	34.20 1.73 0.00	38.37 1.63 -0.34	33.64 1.46 -0.02	45.78 1.61 -1.16	51.17 1.86 -0.69	54.04 1.87 -2.41	54.55 1.82 -0.96	55.43 1.85 -1.67	59.45 2.02 0.00	57.42 2.57 -0.02	67.97 3.33 -0.15	86.60 5.12 0.00	91.54 5.74 0.00	91.95 5.20 0.00	91.15 4.25 0.00	86.13 3.58 0.00	73.75 2.71 0.00	54.51 2.07 -3.41
RAVENSWOOD_GT_6 24253	49.41 2.47 0.00	37.53 2.03 -1.82	37.25 1.91 0.00	35.06 1.79 0.00	33.45 1.71 0.00	33.82 1.66 0.00	34.20 1.73 0.00	38.37 1.63 -0.34	33.64 1.46 -0.02	45.78 1.61 -1.16	51.17 1.86 -0.69	54.04 1.87 -2.41	54.55 1.82 -0.96	55.43 1.85 -1.67	59.45 2.02 0.00	57.42 2.57 -0.02	67.97 3.33 -0.15	86.60 5.12 0.00	91.54 5.74 0.00	91.95 5.20 0.00	91.15 4.25 0.00	86.13 3.58 0.00	73.75 2.71 0.00	54.51 2.07 -3.41
RAVENSWOOD_GT_7 24255	49.41 2.47 0.00	37.53 2.03 -1.82	37.25 1.91 0.00	35.06 1.79 0.00	33.45 1.71 0.00	33.82 1.66 0.00	34.20 1.73 0.00	38.37 1.63 -0.34	33.64 1.46 -0.02	45.78 1.61 -1.16	51.17 1.86 -0.69	54.04 1.87 -2.41	54.55 1.82 -0.96	55.43 1.85 -1.67	59.45 2.02 0.00	57.42 2.57 -0.02	67.97 3.33 -0.15	86.60 5.12 0.00	91.54 5.74 0.00	91.95 5.20 0.00	91.15 4.25 0.00	86.13 3.58 0.00	73.75 2.71 0.00	54.51 2.07 -3.41
RAVENSWOOD_GT_8 TEMP GRP(8-11) 24256	49.39 2.45 0.00	37.53 2.03 -1.82	37.24 1.90 0.00	35.05 1.79 0.00	33.45 1.71 0.00	33.81 1.66 0.00	34.20 1.72 0.00	38.37 1.63 -0.34	33.64 1.45 -0.02	45.77 1.59 -1.16	51.13 1.82 -0.69	53.99 1.82 -2.41	54.50 1.76 -0.96	55.38 1.81 -1.67	59.40 1.96 0.00	57.37 2.53 -0.02	67.91 3.26 -0.15	86.54 5.06 0.00	91.47 5.66 0.00	91.86 5.12 0.00	91.06 4.17 0.00	86.05 3.50 0.00	73.68 2.63 0.00	54.46 2.03 -3.41
RAVENSWOOD_GT_9 24257	49.39 2.45 0.00	37.53 2.03 -1.82	37.24 1.90 0.00	35.05 1.79 0.00	33.45 1.71 0.00	33.81 1.66 0.00	34.20 1.72 0.00	38.37 1.63 -0.34	33.64 1.45 -0.02	45.77 1.59 -1.16	51.13 1.82 -0.69	53.99 1.82 -2.41	54.50 1.76 -0.96	55.38 1.81 -1.67	59.40 1.96 0.00	57.37 2.53 -0.02	67.91 3.26 -0.15	86.54 5.06 0.00	91.47 5.66 0.00	91.86 5.12 0.00	91.06 4.17 0.00	86.05 3.50 0.00	73.68 2.63 0.00	54.46 2.03 -3.41

RAVENSWOOD___1 23533	49.34 2.40 0.00	37.57 2.07 -1.82	37.26 1.93 0.00	35.09 1.82 0.00	33.49 1.74 0.00	33.83 1.68 0.00	34.22 1.75 0.00	38.39 1.65 -0.34	33.68 1.49 -0.02	45.77 1.59 -1.16	51.05 1.74 -0.69	53.86 1.69 -2.41	54.34 1.60 -0.96	55.21 1.63 -1.67	59.19 1.76 0.00	57.22 2.37 -0.02	67.71 3.07 -0.15	86.16 4.68 0.00	91.17 5.36 0.00	91.59 4.84 0.00	90.77 3.87 0.00	85.76 3.21 0.00	73.44 2.39 0.00	54.32 1.88 -3.41
RAVENSWOOD___2 23534	48.97 2.02 0.00	37.45 1.95 -1.82	37.19 1.85 0.00	35.01 1.74 0.00	33.42 1.67 0.00	33.76 1.60 0.00	34.14 1.67 0.00	38.31 1.57 -0.34	33.59 1.41 -0.02	45.63 1.45 -1.16	50.73 1.42 -0.69	53.40 1.23 -2.41	53.85 1.12 -0.96	54.74 1.16 -1.67	58.67 1.24 0.00	56.72 1.88 -0.02	67.13 2.48 -0.15	85.42 3.94 0.00	90.36 4.55 0.00	90.78 4.03 0.00	89.99 3.09 0.00	85.02 2.47 0.00	72.79 1.74 0.00	53.87 1.43 -3.41
RAVENSWOOD___3 23535	49.39 2.45 0.00	37.53 2.03 -1.82	37.24 1.90 0.00	35.05 1.78 0.00	33.46 1.71 0.00	33.81 1.66 0.00	34.19 1.72 0.00	38.37 1.63 -0.34	33.64 1.46 -0.02	45.76 1.59 -1.16	51.14 1.83 -0.69	53.99 1.82 -2.41	54.49 1.75 -0.96	55.37 1.79 -1.67	59.39 1.95 0.00	57.36 2.51 -0.02	67.90 3.25 -0.15	86.39 4.92 0.00	91.43 5.62 0.00	91.85 5.11 0.00	91.04 4.15 0.00	86.04 3.49 0.00	73.68 2.63 0.00	54.45 2.02 -3.41
RAVENSWOOD___4 23820	49.30 2.36 0.00	37.54 2.04 -1.82	37.24 1.90 0.00	35.06 1.79 0.00	33.46 1.72 0.00	33.80 1.65 0.00	34.20 1.73 0.00	38.36 1.62 -0.34	33.65 1.46 -0.02	45.73 1.55 -1.16	51.00 1.69 -0.69	53.82 1.65 -2.41	54.30 1.57 -0.96	55.18 1.60 -1.67	59.16 1.72 0.00	57.17 2.33 -0.02	67.67 3.02 -0.15	86.09 4.62 0.00	91.11 5.30 0.00	91.51 4.77 0.00	90.71 3.82 0.00	85.70 3.15 0.00	73.39 2.34 0.00	54.28 1.85 -3.41
RCPL_TRUST___DRP 24196	49.40 2.46 0.00	37.54 2.04 -1.82	37.25 1.91 0.00	35.06 1.79 0.00	33.47 1.72 0.00	33.83 1.67 0.00	34.21 1.74 0.00	38.38 1.64 -0.34	33.65 1.47 -0.02	45.81 1.64 -1.16	51.17 1.86 -0.69	54.03 1.85 -2.41	54.52 1.79 -0.96	55.40 1.83 -1.67	59.44 2.00 0.00	57.40 2.56 -0.02	67.94 3.29 -0.15	86.56 5.08 0.00	91.51 5.70 0.00	91.89 5.14 0.00	91.08 4.19 0.00	86.09 3.54 0.00	73.69 2.64 0.00	54.48 2.04 -3.41
RED___ROCHESTER 323720	49.39 2.44 0.00	35.15 1.47 0.00	36.78 1.44 0.00	34.52 1.25 0.00	32.75 1.01 0.00	32.95 0.80 0.00	33.38 0.91 0.00	37.82 1.43 0.00	33.97 1.80 0.00	45.69 2.67 0.00	51.87 3.25 0.00	53.59 3.82 0.00	56.12 4.36 0.00	56.22 4.31 0.00	62.13 4.69 0.00	58.49 3.67 0.00	69.13 4.64 0.00	86.70 5.22 0.00	92.43 6.62 0.00	93.07 6.33 0.00	93.15 6.25 0.00	88.08 5.53 0.00	76.22 5.17 0.00	52.86 3.83 0.00
REGAN___SOLAR 323812	50.51 3.57 0.00	35.03 2.42 1.07	37.90 2.56 0.00	35.66 2.39 0.00	33.94 2.19 0.00	34.33 2.17 0.00	34.67 2.20 0.00	38.42 2.23 0.20	33.54 1.38 0.01	43.66 1.33 0.69	49.88 1.67 0.41	50.40 2.05 1.42	53.19 2.00 0.57	53.34 2.41 0.98	59.44 2.00 0.00	57.02 2.22 0.01	68.30 3.89 0.09	86.73 5.25 0.00	92.45 6.65 0.00	94.85 8.10 0.00	95.07 8.18 0.00	89.84 7.29 0.00	77.03 5.98 0.00	50.98 3.97 2.01
RENSSELAER___COGEN 23796	46.73 -0.21 0.00	32.36 0.09 1.41	35.54 0.20 0.00	33.52 0.25 0.00	32.14 0.40 0.00	32.53 0.38 0.00	32.83 0.36 0.00	36.22 0.09 0.27	32.04 -0.11 0.02	41.40 -0.71 0.90	47.22 -0.86 0.54	46.97 -0.93 1.87	49.96 -1.06 0.75	49.63 -0.98 1.30	56.41 -1.03 0.00	54.11 -0.69 0.02	63.76 -0.62 0.12	81.44 -0.04 0.00	86.37 0.56 0.00	87.13 0.38 0.00	86.52 -0.37 0.00	81.99 -0.56 0.00	70.33 -0.72 0.00	45.95 -0.42 2.65
REPUBLIC_115KV_BARTNBRK 55605	52.64 5.70 0.00	36.40 4.31 1.59	39.97 4.63 0.00	37.44 4.18 0.00	35.75 4.01 0.00	36.05 3.89 0.00	36.46 3.99 0.00	39.95 3.85 0.30	35.42 3.28 0.02	45.65 3.65 1.02	51.65 3.64 0.61	51.09 3.43 2.11	54.35 3.43 0.85	53.86 3.41 1.46	61.90 4.46 0.00	59.54 4.74 0.02	70.86 6.49 0.13	92.24 10.76 0.00	98.32 12.51 0.00	99.44 12.69 0.00	98.63 11.74 0.00	94.30 11.75 0.00	79.82 8.77 0.00	52.10 6.07 2.99
REVERE_CPPR_DRP 24186	49.13 2.19 0.00	35.12 1.43 0.00	36.74 1.40 0.00	34.62 1.35 0.00	33.03 1.29 0.00	33.47 1.32 0.00	33.78 1.31 0.00	37.86 1.47 0.00	33.42 1.26 0.00	44.87 1.85 0.00	50.67 2.06 0.00	51.67 1.91 0.00	54.05 2.28 0.00	54.10 2.19 0.00	60.14 2.70 0.00	57.64 2.82 0.00	67.98 3.48 0.00	86.81 5.33 0.00	91.88 6.07 0.00	92.70 5.95 0.00	92.66 5.76 0.00	87.59 5.04 0.00	74.87 3.82 0.00	51.54 2.52 0.00
REYNLDPA_13_KV_LD 356490	46.96 0.02 0.00	33.47 -0.21 0.00	35.01 -0.33 0.00	32.91 -0.35 0.00	31.36 -0.38 0.00	31.90 -0.25 0.00	32.18 -0.28 0.00	36.32 -0.08 0.00	32.27 0.10 0.00	43.51 0.50 0.00	49.14 0.52 0.00	50.10 0.33 0.00	52.07 0.30 0.00	52.19 0.28 0.00	57.69 0.25 0.00	54.61 -0.21 0.00	64.02 -0.48 0.00	80.36 -1.12 0.00	83.78 -2.03 0.00	85.33 -1.41 0.00	86.34 -0.56 0.00	82.38 -0.17 0.00	71.09 0.04 0.00	49.01 -0.02 0.00
REYNOLDS_115KV_TB3 80639	47.19 0.25 0.00	32.43 0.45 1.70	35.93 0.59 0.00	33.88 0.61 0.00	32.45 0.70 0.00	32.83 0.68 0.00	33.14 0.67 0.00	36.49 0.41 0.32	32.34 0.20 0.02	41.59 -0.33 1.09	47.54 -0.43 0.65	47.02 -0.49 2.26	50.23 -0.64 0.90	49.81 -0.54 1.56	56.90 -0.54 0.00	54.59 -0.20 0.02	64.27 -0.09 0.14	82.28 0.80 0.00	87.28 1.47 0.00	87.97 1.22 0.00	87.28 0.39 0.00	82.77 0.21 0.00	70.98 -0.07 0.00	45.85 0.03 3.20
RIVERBAY____ 323610	51.26 4.32 0.00	38.84 3.34 -1.82	38.59 3.25 0.00	36.35 3.08 0.00	34.68 2.93 0.00	35.00 2.85 0.00	35.41 2.94 0.00	39.74 3.00 -0.34	34.86 2.67 -0.02	47.37 3.20 -1.16	52.96 3.65 -0.69	55.93 3.76 -2.41	56.49 3.76 -0.96	57.34 3.76 -1.67	61.60 4.16 0.00	59.42 4.58 -0.02	70.36 5.71 -0.15	89.60 8.12 0.00	94.75 8.94 0.00	95.08 8.33 0.00	94.32 7.42 0.00	89.13 6.58 0.00	76.30 5.25 0.00	56.31 3.87 -3.41
RIVERSDE_115KV_TB3 55908	47.09 0.15 0.00	32.48 0.35 1.56	35.83 0.49 0.00	33.78 0.52 0.00	32.37 0.63 0.00	32.76 0.60 0.00	33.06 0.60 0.00	36.45 0.35 0.29	32.28 0.13 0.02	41.61 -0.40 1.00	47.52 -0.50 0.60	47.12 -0.58 2.07	50.25 -0.69 0.83	49.89 -0.59 1.44	56.86 -0.58 0.00	54.55 -0.24 0.02	64.26 -0.11 0.13	82.21 0.73 0.00	87.16 1.36 0.00	87.88 1.13 0.00	87.22 0.33 0.00	82.66 0.11 0.00	70.88 -0.17 0.00	46.04 -0.05 2.94
ROARING___BROOK_WT_PWR 323790	46.22 -0.72 0.00	33.03 -0.66 0.00	34.68 -0.66 0.00	32.66 -0.61 0.00	31.19 -0.56 0.00	31.62 -0.53 0.00	31.93 -0.54 0.00	35.90 -0.49 0.00	31.78 -0.39 0.00	42.73 -0.29 0.00	48.32 -0.30 0.00	49.38 -0.39 0.00	51.32 -0.44 0.00	51.31 -0.60 0.00	56.65 -0.79 0.00	54.37 -0.46 0.00	63.73 -0.76 0.00	80.89 -0.59 0.00	85.16 -0.64 0.00	86.30 -0.45 0.00	86.29 -0.61 0.00	81.61 -0.94 0.00	70.21 -0.84 0.00	48.50 -0.52 0.00

ROCHESRG_115KV_T4 355643	48.56 1.62 0.00	34.59 0.90 0.00	36.21 0.87 0.00	34.00 0.73 0.00	32.27 0.53 0.00	32.49 0.33 0.00	32.90 0.43 0.00	37.26 0.86 0.00	33.42 1.26 0.00	44.95 1.93 0.00	50.95 2.33 0.00	52.55 2.79 0.00	54.93 3.16 0.00	54.96 3.05 0.00	60.83 3.39 0.00	57.29 2.47 0.00	67.65 3.15 0.00	84.48 3.00 0.00	90.39 4.58 0.00	91.10 4.35 0.00	91.29 4.39 0.00	86.46 3.91 0.00	74.89 3.84 0.00	51.96 2.93 0.00
ROCHESTER_9_IC 23652	48.98 2.04 0.00	34.87 1.18 0.00	36.50 1.16 0.00	34.26 0.99 0.00	32.52 0.77 0.00	32.73 0.57 0.00	33.14 0.67 0.00	37.54 1.15 0.00	33.70 1.53 0.00	45.32 2.30 0.00	51.42 2.80 0.00	53.08 3.32 0.00	55.53 3.76 0.00	55.59 3.68 0.00	61.48 4.04 0.00	57.90 3.08 0.00	68.38 3.88 0.00	85.43 3.95 0.00	91.39 5.58 0.00	92.10 5.36 0.00	92.25 5.36 0.00	87.32 4.77 0.00	75.60 4.55 0.00	52.42 3.39 0.00
ROCKVIEW_13_KV_LD 356306	49.51 2.56 0.00	37.58 2.07 -1.82	37.32 1.98 0.00	35.12 1.85 0.00	33.52 1.77 0.00	33.88 1.72 0.00	34.25 1.79 0.00	38.44 1.70 -0.34	33.67 1.49 -0.02	45.83 1.66 -1.16	51.29 1.98 -0.69	54.22 2.05 -2.41	54.74 2.01 -0.96	55.65 2.08 -1.67	59.69 2.25 0.00	57.63 2.78 -0.02	68.22 3.58 -0.15	86.95 5.48 0.00	91.92 6.11 0.00	92.31 5.57 0.00	91.51 4.62 0.00	86.47 3.92 0.00	74.03 2.98 0.00	54.64 2.21 -3.41
ROME____115KV_TB2 80656	49.13 2.19 0.00	35.12 1.43 0.00	36.74 1.40 0.00	34.62 1.35 0.00	33.03 1.29 0.00	33.47 1.32 0.00	33.78 1.31 0.00	37.86 1.47 0.00	33.42 1.26 0.00	44.87 1.85 0.00	50.67 2.06 0.00	51.67 1.91 0.00	54.05 2.28 0.00	54.10 2.19 0.00	60.14 2.70 0.00	57.64 2.82 0.00	67.98 3.48 0.00	86.81 5.33 0.00	91.88 6.07 0.00	92.70 5.95 0.00	92.66 5.76 0.00	87.59 5.04 0.00	74.87 3.82 0.00	51.54 2.52 0.00
ROSETON___1 23587	48.53 1.59 0.00	36.71 1.35 -1.67	36.65 1.31 0.00	34.52 1.26 0.00	32.97 1.23 0.00	33.35 1.20 0.00	33.72 1.25 0.00	37.80 1.08 -0.31	33.07 0.88 -0.02	44.93 0.85 -1.07	50.25 1.00 -0.64	53.00 1.02 -2.22	53.61 0.95 -0.89	54.43 0.98 -1.54	58.51 1.07 0.00	56.39 1.55 -0.02	66.72 2.08 -0.14	84.88 3.40 0.00	89.87 4.07 0.00	90.40 3.65 0.00	89.63 2.74 0.00	84.76 2.21 0.00	72.63 1.58 0.00	53.41 1.24 -3.14
ROSETON___2 23588	48.53 1.59 0.00	36.71 1.35 -1.67	36.65 1.31 0.00	34.52 1.26 0.00	32.97 1.23 0.00	33.35 1.20 0.00	33.72 1.25 0.00	37.80 1.08 -0.31	33.07 0.88 -0.02	44.93 0.85 -1.07	50.25 1.00 -0.64	53.00 1.02 -2.22	53.61 0.95 -0.89	54.43 0.98 -1.54	58.51 1.07 0.00	56.39 1.55 -0.02	66.72 2.08 -0.14	84.88 3.40 0.00	89.87 4.07 0.00	90.40 3.65 0.00	89.63 2.74 0.00	84.76 2.21 0.00	72.63 1.58 0.00	53.41 1.24 -3.14
ROTRRDAM_115KV_TB3 80664	48.13 1.19 0.00	33.44 0.97 1.22	36.44 1.10 0.00	34.33 1.07 0.00	32.77 1.03 0.00	33.17 1.02 0.00	33.50 1.03 0.00	37.11 0.94 0.23	32.79 0.64 0.01	42.75 0.52 0.78	48.68 0.53 0.46	48.70 0.54 1.61	51.59 0.47 0.64	51.39 0.60 1.12	58.11 0.67 0.00	55.68 0.87 0.02	65.66 1.26 0.10	83.76 2.28 0.00	88.87 3.07 0.00	89.74 2.99 0.00	89.36 2.47 0.00	84.69 2.14 0.00	72.69 1.64 0.00	47.91 1.17 2.28
RUSSELL___1 23602	49.39 2.45 0.00	35.15 1.47 0.00	36.78 1.44 0.00	34.52 1.25 0.00	32.75 1.00 0.00	32.96 0.80 0.00	33.38 0.91 0.00	37.82 1.43 0.00	33.97 1.80 0.00	45.68 2.67 0.00	51.87 3.25 0.00	53.59 3.82 0.00	56.12 4.36 0.00	56.22 4.31 0.00	62.13 4.69 0.00	58.50 3.68 0.00	69.14 4.64 0.00	86.39 4.91 0.00	92.39 6.59 0.00	93.07 6.33 0.00	93.15 6.25 0.00	88.07 5.52 0.00	76.23 5.18 0.00	52.85 3.83 0.00
RUSSELL___2 23532	49.39 2.45 0.00	35.15 1.47 0.00	36.78 1.44 0.00	34.52 1.25 0.00	32.75 1.00 0.00	32.96 0.80 0.00	33.38 0.91 0.00	37.82 1.43 0.00	33.97 1.80 0.00	45.68 2.67 0.00	51.87 3.25 0.00	53.59 3.82 0.00	56.12 4.36 0.00	56.22 4.31 0.00	62.13 4.69 0.00	58.50 3.68 0.00	69.14 4.64 0.00	86.39 4.91 0.00	92.39 6.59 0.00	93.07 6.33 0.00	93.15 6.25 0.00	88.07 5.52 0.00	76.23 5.18 0.00	52.85 3.83 0.00
RUSSELL___3 23549	49.39 2.45 0.00	35.15 1.47 0.00	36.78 1.44 0.00	34.52 1.25 0.00	32.75 1.00 0.00	32.96 0.80 0.00	33.38 0.91 0.00	37.82 1.43 0.00	33.97 1.80 0.00	45.68 2.67 0.00	51.87 3.25 0.00	53.59 3.82 0.00	56.12 4.36 0.00	56.22 4.31 0.00	62.13 4.69 0.00	58.50 3.68 0.00	69.14 4.64 0.00	86.39 4.91 0.00	92.39 6.59 0.00	93.07 6.33 0.00	93.15 6.25 0.00	88.07 5.52 0.00	76.23 5.18 0.00	52.85 3.83 0.00
RUSSELL___4 23556	49.39 2.45 0.00	35.15 1.47 0.00	36.78 1.44 0.00	34.52 1.25 0.00	32.75 1.00 0.00	32.96 0.80 0.00	33.38 0.91 0.00	37.82 1.43 0.00	33.97 1.80 0.00	45.68 2.67 0.00	51.87 3.25 0.00	53.59 3.82 0.00	56.12 4.36 0.00	56.22 4.31 0.00	62.13 4.69 0.00	58.50 3.68 0.00	69.14 4.64 0.00	86.39 4.91 0.00	92.39 6.59 0.00	93.07 6.33 0.00	93.15 6.25 0.00	88.07 5.52 0.00	76.23 5.18 0.00	52.85 3.83 0.00
RUSSELL___STATION 23914	49.39 2.45 0.00	35.15 1.47 0.00	36.78 1.44 0.00	34.52 1.25 0.00	32.75 1.00 0.00	32.96 0.80 0.00	33.38 0.91 0.00	37.82 1.43 0.00	33.97 1.80 0.00	45.68 2.67 0.00	51.87 3.25 0.00	53.59 3.82 0.00	56.12 4.36 0.00	56.22 4.31 0.00	62.13 4.69 0.00	58.50 3.68 0.00	69.14 4.64 0.00	86.39 4.91 0.00	92.39 6.59 0.00	93.07 6.33 0.00	93.15 6.25 0.00	88.07 5.52 0.00	76.23 5.18 0.00	52.85 3.83 0.00
S SALMON___HYD 24043	47.90 0.59 -0.37	33.91 0.23 0.00	35.45 0.11 0.00	33.40 0.14 0.00	31.90 0.16 0.00	32.33 0.17 0.00	32.61 0.14 0.00	36.59 0.19 0.00	32.37 0.21 0.00	43.28 0.27 0.00	48.98 0.36 0.00	50.23 0.46 0.00	52.72 0.95 0.00	52.23 0.32 0.00	57.84 0.27 -0.14	55.55 0.70 -0.03	65.06 0.42 -0.14	87.33 1.41 -4.43	92.01 1.90 -4.31	89.30 2.30 -0.25	91.00 2.62 -1.49	86.86 1.87 -2.44	74.24 1.25 -1.94	49.92 0.89 0.00
S.PERRY___115KV_TB1 80734	50.51 3.57 0.00	35.91 2.23 0.00	37.58 2.24 0.00	35.29 2.02 0.00	33.50 1.76 0.00	33.77 1.61 0.00	34.22 1.75 0.00	38.62 2.23 0.00	34.77 2.60 0.00	46.50 3.49 0.00	52.22 3.60 0.00	53.68 3.91 0.00	56.07 4.30 0.00	55.88 3.97 0.00	61.42 3.98 0.00	57.14 2.32 0.00	67.85 3.35 0.00	85.32 3.84 0.00	91.53 5.72 0.00	92.37 5.62 0.00	93.45 6.56 0.00	88.83 6.28 0.00	78.71 7.66 0.00	54.63 5.60 0.00
SAWYER_23_KV_LOAD_REV_LBMP_A 345024	48.68 1.74 0.00	34.58 0.89 0.00	36.25 0.91 0.00	34.00 0.73 0.00	32.18 0.43 0.00	32.28 0.12 0.00	32.76 0.29 0.00	37.33 0.93 0.00	33.75 1.59 0.00	45.60 2.58 0.00	51.63 3.00 0.00	53.30 3.53 0.00	55.60 3.84 0.00	55.34 3.43 0.00	61.36 3.92 0.00	57.45 2.63 0.00	67.80 3.30 0.00	83.89 2.40 0.00	90.61 4.81 0.00	91.06 4.32 0.00	91.59 4.70 0.00	86.85 4.30 0.00	75.79 4.74 0.00	52.86 3.84 0.00

SAWYER___23_KV_LOAD 55526	48.68 1.74 0.00	34.58 0.89 0.00	36.25 0.91 0.00	34.00 0.73 0.00	32.18 0.43 0.00	32.28 0.12 0.00	32.76 0.29 0.00	37.33 0.93 0.00	33.75 1.59 0.00	45.60 2.58 0.00	51.63 3.00 0.00	53.30 3.53 0.00	55.60 3.84 0.00	55.34 3.43 0.00	61.36 3.92 0.00	57.45 2.63 0.00	67.80 3.30 0.00	83.89 2.40 0.00	90.61 4.81 0.00	91.06 4.32 0.00	91.59 4.70 0.00	86.85 4.30 0.00	75.79 4.74 0.00	52.86 3.84 0.00
SELKIRK___I 23801	46.35 -0.59 0.00	32.60 -0.22 0.87	35.29 -0.05 0.00	33.29 0.02 0.00	31.87 0.13 0.00	32.26 0.11 0.00	32.55 0.08 0.00	36.05 -0.18 0.16	31.75 -0.41 0.01	41.46 -1.00 0.55	47.05 -1.24 0.33	47.23 -1.38 1.15	49.72 -1.58 0.46	49.57 -1.54 0.80	55.76 -1.67 0.00	53.48 -1.32 0.01	63.04 -1.38 0.07	80.36 -1.12 0.00	85.29 -0.52 0.00	86.20 -0.55 0.00	85.71 -1.19 0.00	81.25 -1.30 0.00	69.76 -1.29 0.00	46.60 -0.79 1.63
SELKIRK___II 23799	46.62 -0.32 0.00	32.64 -0.02 1.03	35.47 0.13 0.00	33.48 0.21 0.00	32.05 0.30 0.00	32.44 0.28 0.00	32.73 0.26 0.00	36.20 -0.01 0.19	31.94 -0.21 0.01	41.63 -0.73 0.66	47.37 -0.86 0.39	47.50 -0.91 1.36	50.18 -1.05 0.55	49.97 -1.00 0.94	56.38 -1.06 0.00	54.05 -0.76 0.01	63.69 -0.73 0.08	81.18 -0.30 0.00	86.05 0.24 0.00	86.78 0.03 0.00	86.23 -0.66 0.00	81.74 -0.81 0.00	70.15 -0.90 0.00	46.56 -0.53 1.93
SENECA OSWGO___HYD 24041	47.32 -0.19 -0.57	33.49 -0.20 0.00	35.11 -0.23 0.00	33.03 -0.23 0.00	31.49 -0.25 0.00	31.85 -0.30 0.00	32.18 -0.28 0.00	36.11 -0.29 0.00	31.97 -0.19 0.00	42.71 -0.31 0.00	48.37 -0.25 0.00	49.63 -0.13 0.00	51.76 0.00 0.00	51.84 -0.07 0.00	57.61 -0.04 -0.21	54.89 0.02 -0.05	64.91 0.20 -0.21	88.64 0.33 -6.84	93.01 0.56 -6.64	87.54 0.41 -0.38	89.42 0.23 -2.29	86.32 0.01 -3.76	73.92 -0.13 -2.99	48.96 -0.07 0.00
SENECA___115KV_TB3 355854	49.11 2.17 0.00	34.88 1.20 0.00	36.56 1.23 0.00	34.30 1.03 0.00	32.45 0.71 0.00	32.56 0.41 0.00	33.05 0.58 0.00	37.65 1.25 0.00	34.05 1.89 0.00	46.03 3.02 0.00	52.10 3.47 0.00	53.76 3.99 0.00	56.11 4.35 0.00	55.89 3.97 0.00	62.03 4.59 0.00	58.09 3.27 0.00	68.61 4.11 0.00	85.02 3.54 0.00	91.85 6.04 0.00	92.32 5.57 0.00	92.77 5.88 0.00	87.96 5.41 0.00	76.70 5.65 0.00	53.40 4.37 0.00
SENECA___ENERGY 23797	48.29 1.19 -0.16	34.46 0.77 0.00	36.12 0.78 0.00	33.93 0.66 0.00	32.30 0.55 0.00	32.61 0.45 0.00	33.01 0.54 0.00	37.16 0.76 0.00	33.02 0.86 0.00	44.24 1.23 0.00	50.08 1.46 0.00	51.46 1.69 0.00	53.78 2.01 0.00	53.95 2.04 0.00	60.04 2.54 -0.06	57.17 2.34 -0.01	67.36 2.81 -0.06	86.37 2.98 -1.90	91.62 3.96 -1.85	90.63 3.77 -0.11	91.17 3.64 -0.64	86.78 3.19 -1.05	74.76 2.88 -0.84	51.09 2.06 0.00
SHOEMAKER___GT 23640	48.62 1.68 0.00	36.55 1.35 -1.51	36.66 1.33 0.00	34.53 1.27 0.00	32.97 1.22 0.00	33.35 1.19 0.00	33.71 1.24 0.00	37.82 1.14 -0.28	33.13 0.95 -0.02	44.93 0.95 -0.96	50.29 1.10 -0.57	52.96 1.20 -2.00	53.72 1.15 -0.80	54.42 1.13 -1.38	58.77 1.33 0.00	56.47 1.63 -0.02	66.96 2.34 -0.12	85.05 3.57 0.00	90.09 4.28 0.00	90.72 3.97 0.00	90.08 3.18 0.00	85.21 2.66 0.00	73.04 1.99 0.00	53.32 1.46 -2.83
SHOEMAKR_138KV_BK 111 55601	48.60 1.66 0.00	36.51 1.34 -1.49	36.64 1.31 0.00	34.52 1.25 0.00	32.95 1.21 0.00	33.33 1.18 0.00	33.70 1.23 0.00	37.79 1.12 -0.28	33.12 0.94 -0.02	44.91 0.94 -0.95	50.27 1.09 -0.57	52.91 1.18 -1.97	53.71 1.15 -0.79	54.42 1.15 -1.37	58.77 1.33 0.00	56.50 1.66 -0.02	66.94 2.32 -0.12	85.13 3.65 0.00	90.09 4.28 0.00	90.65 3.91 0.00	90.01 3.12 0.00	85.15 2.60 0.00	72.97 1.92 0.00	53.24 1.42 -2.80
SHOREHAM_IC_1 23715	49.01 2.07 0.00	37.30 1.80 -1.82	36.94 1.60 0.00	34.68 1.41 0.00	33.08 1.33 0.00	33.36 1.20 0.00	33.72 1.25 0.00	37.53 0.79 -0.34	32.81 0.62 -0.02	44.64 0.47 -1.16	51.06 1.75 -0.69	53.44 1.27 -2.41	53.96 1.23 -0.96	54.99 1.41 -1.67	58.55 1.12 0.01	57.14 2.29 -0.02	65.70 2.49 1.28	82.17 4.64 3.95	86.07 4.54 4.27	87.82 4.01 2.94	89.91 3.02 0.00	85.05 2.50 0.00	71.73 1.21 0.53	52.95 1.08 -2.84
SHOREHAM_IC_2 23716	49.01 2.07 0.00	37.30 1.80 -1.82	36.94 1.60 0.00	34.68 1.42 0.00	33.07 1.33 0.00	33.36 1.20 0.00	33.72 1.25 0.00	37.53 0.79 -0.34	32.81 0.62 -0.02	44.65 0.47 -1.16	51.06 1.74 -0.69	53.46 1.28 -2.41	53.96 1.23 -0.96	54.99 1.42 -1.67	58.55 1.12 0.01	57.17 2.33 -0.02	65.70 2.48 1.28	82.90 5.36 3.95	86.14 4.60 4.27	87.82 4.01 2.94	89.91 3.02 0.00	85.05 2.50 0.00	71.72 1.21 0.53	52.93 1.06 -2.84
SISSONVILLE___ 23735	47.17 0.22 0.00	33.50 -0.19 0.00	34.96 -0.37 0.00	32.89 -0.38 0.00	31.36 -0.39 0.00	31.95 -0.21 0.00	32.20 -0.27 0.00	36.28 -0.12 0.00	32.16 0.00 0.00	43.47 0.46 0.00	49.16 0.54 0.00	50.06 0.30 0.00	52.18 0.41 0.00	52.20 0.29 0.00	57.50 0.06 0.00	54.50 -0.32 0.00	63.88 -0.62 0.00	80.44 -1.04 0.00	83.46 -2.34 0.00	86.27 -0.48 0.00	87.49 0.59 0.00	83.26 0.71 0.00	71.62 0.57 0.00	49.33 0.31 0.00
SITHE_IND_GS1 24169	43.97 -0.98 1.99	32.94 -0.74 0.00	34.56 -0.78 0.00	32.52 -0.74 0.00	31.01 -0.73 0.00	31.37 -0.79 0.00	31.70 -0.77 0.00	35.59 -0.81 0.00	31.50 -0.67 0.00	42.09 -0.93 0.00	47.59 -1.03 0.00	48.82 -0.94 0.00	50.89 -0.88 0.00	51.01 -0.90 0.00	55.73 -0.98 0.73	53.69 -0.95 0.18	62.72 -1.03 0.74	56.29 -1.28 23.91	61.55 -1.05 23.21	84.23 -1.18 1.34	77.54 -1.33 8.02	67.99 -1.41 13.15	59.34 -1.24 10.47	48.22 -0.80 0.01
SITHE_IND_GS2 24170	43.97 -0.98 1.99	32.94 -0.74 0.00	34.56 -0.78 0.00	32.52 -0.74 0.00	31.01 -0.73 0.00	31.37 -0.79 0.00	31.70 -0.77 0.00	35.59 -0.81 0.00	31.50 -0.67 0.00	42.09 -0.93 0.00	47.59 -1.03 0.00	48.82 -0.94 0.00	50.89 -0.88 0.00	51.01 -0.90 0.00	55.73 -0.98 0.73	53.69 -0.95 0.18	62.72 -1.03 0.74	56.29 -1.28 23.91	61.55 -1.05 23.21	84.23 -1.18 1.34	77.54 -1.33 8.02	67.99 -1.41 13.15	59.34 -1.24 10.47	48.22 -0.80 0.01
SITHE_IND_GS3 24171	43.97 -0.98 1.99	32.94 -0.74 0.00	34.56 -0.78 0.00	32.52 -0.74 0.00	31.01 -0.73 0.00	31.37 -0.79 0.00	31.70 -0.77 0.00	35.59 -0.81 0.00	31.50 -0.67 0.00	42.09 -0.93 0.00	47.59 -1.03 0.00	48.82 -0.94 0.00	50.89 -0.88 0.00	51.01 -0.90 0.00	55.73 -0.98 0.73	53.69 -0.95 0.18	62.72 -1.03 0.74	56.29 -1.28 23.91	61.55 -1.05 23.21	84.23 -1.18 1.34	77.54 -1.33 8.02	67.99 -1.41 13.15	59.34 -1.24 10.47	48.22 -0.80 0.01
SITHE_IND_GS4 24172	43.97 -0.98 1.99	32.94 -0.74 0.00	34.56 -0.78 0.00	32.52 -0.74 0.00	31.01 -0.73 0.00	31.37 -0.79 0.00	31.70 -0.77 0.00	35.59 -0.81 0.00	31.50 -0.67 0.00	42.09 -0.93 0.00	47.59 -1.03 0.00	48.82 -0.94 0.00	50.89 -0.88 0.00	51.01 -0.90 0.00	55.73 -0.98 0.73	53.69 -0.95 0.18	62.72 -1.03 0.74	56.29 -1.28 23.91	61.55 -1.05 23.21	84.23 -1.18 1.34	77.54 -1.33 8.02	67.99 -1.41 13.15	59.34 -1.24 10.47	48.22 -0.80 0.01

SITHE___BATAVIA 24024	50.01 3.06 0.00	35.47 1.79 0.00	37.11 1.78 0.00	34.79 1.52 0.00	32.94 1.19 0.00	33.05 0.89 0.00	33.53 1.06 0.00	38.15 1.75 0.00	34.41 2.24 0.00	46.30 3.28 0.00	52.35 3.73 0.00	54.11 4.34 0.00	56.55 4.78 0.00	56.57 4.66 0.00	62.66 5.23 0.00	58.44 3.62 0.00	69.14 4.64 0.00	86.40 4.92 0.00	93.05 7.24 0.00	93.89 7.14 0.00	94.58 7.69 0.00	89.62 7.07 0.00	77.89 6.84 0.00	54.05 5.02 0.00
SITHE___INDEPEND 23800	43.97 -0.98 1.99	32.94 -0.74 0.00	34.56 -0.78 0.00	32.52 -0.74 0.00	31.01 -0.73 0.00	31.37 -0.79 0.00	31.70 -0.77 0.00	35.58 -0.81 0.00	31.49 -0.67 0.00	42.09 -0.92 0.00	47.59 -1.03 0.00	48.82 -0.94 0.00	50.89 -0.88 0.00	51.01 -0.90 0.00	55.73 -0.98 0.73	53.69 -0.95 0.18	62.72 -1.04 0.74	56.24 -1.33 23.91	61.54 -1.06 23.21	84.23 -1.18 1.34	77.54 -1.33 8.02	67.99 -1.41 13.15	59.34 -1.24 10.47	48.22 -0.80 0.01
SITHE___MASSENA 23902	46.99 0.05 0.00	33.48 -0.21 0.00	35.01 -0.33 0.00	32.91 -0.36 0.00	31.36 -0.38 0.00	31.90 -0.25 0.00	32.18 -0.29 0.00	36.30 -0.10 0.00	32.22 0.06 0.00	43.53 0.51 0.00	49.19 0.57 0.00	50.15 0.38 0.00	52.15 0.39 0.00	52.27 0.36 0.00	57.64 0.20 0.00	54.56 -0.27 0.00	63.98 -0.52 0.00	80.25 -1.23 0.00	83.25 -2.56 0.00	85.48 -1.27 0.00	86.50 -0.39 0.00	82.52 -0.03 0.00	71.21 0.16 0.00	49.07 0.05 0.00
SITHE___OGDNSBRG 24021	48.16 1.22 0.00	34.22 0.54 0.00	35.72 0.38 0.00	33.58 0.31 0.00	32.00 0.25 0.00	32.59 0.44 0.00	32.85 0.38 0.00	36.87 0.47 0.00	32.58 0.42 0.00	43.87 0.85 0.00	49.61 0.99 0.00	50.54 0.77 0.00	52.65 0.88 0.00	52.89 0.98 0.00	58.25 0.81 0.00	55.08 0.26 0.00	64.98 0.48 0.00	81.17 -0.31 0.00	84.28 -1.53 0.00	87.64 0.89 0.00	89.10 2.21 0.00	85.02 2.47 0.00	73.22 2.17 0.00	50.37 1.35 0.00
SITHE___STERLING 23777	48.60 1.67 0.00	34.79 1.11 0.00	36.45 1.11 0.00	34.33 1.06 0.00	32.76 1.02 0.00	33.16 1.00 0.00	33.49 1.02 0.00	37.53 1.14 0.00	33.11 0.94 0.00	44.43 1.41 0.00	50.19 1.57 0.00	51.18 1.41 0.00	53.53 1.77 0.00	53.60 1.69 0.00	59.50 2.06 0.00	56.97 2.15 0.00	67.24 2.74 0.00	85.78 4.30 0.00	90.85 5.04 0.00	91.51 4.76 0.00	91.34 4.45 0.00	86.45 3.90 0.00	74.07 3.02 0.00	51.02 1.99 0.00
SLEIGHT__34_KV_TB1 80719	48.45 1.43 -0.08	34.53 0.84 0.00	36.14 0.80 0.00	33.94 0.67 0.00	32.26 0.51 0.00	32.52 0.36 0.00	32.93 0.46 0.00	37.16 0.76 0.00	33.11 0.95 0.00	44.45 1.44 0.00	50.38 1.77 0.00	51.83 2.06 0.00	54.25 2.49 0.00	54.41 2.50 0.00	60.41 2.94 -0.03	57.31 2.49 -0.01	67.65 3.13 -0.03	85.36 2.91 -0.97	91.12 4.37 -0.94	91.06 4.25 -0.05	91.44 4.22 -0.33	86.82 3.73 -0.53	74.86 3.39 -0.42	51.43 2.41 0.00
SMITHTWN_69_KV_BK 1 55830	49.64 2.70 0.00	37.73 2.23 -1.82	37.39 2.05 0.00	35.11 1.84 0.00	33.49 1.74 0.00	33.78 1.62 0.00	34.15 1.68 0.00	38.02 1.28 -0.34	33.21 1.02 -0.02	45.19 1.01 -1.16	51.72 2.41 -0.69	54.17 1.99 -2.41	54.78 2.05 -0.96	55.79 2.21 -1.67	59.27 1.85 0.02	57.77 2.93 -0.02	65.01 2.95 2.44	81.69 5.86 5.65	84.02 5.25 7.04	85.71 4.60 5.64	90.60 3.71 0.00	85.98 3.43 0.00	72.52 2.00 0.53	53.53 1.66 -2.85
SOUTH CAIRO___GT 23612	48.67 1.73 0.00	34.44 1.36 0.60	36.87 1.54 0.00	34.77 1.50 0.00	33.27 1.53 0.00	33.67 1.51 0.00	33.99 1.52 0.00	37.78 1.50 0.11	33.29 1.13 0.01	43.67 1.03 0.38	49.34 0.95 0.23	49.75 0.77 0.79	52.01 0.56 0.32	51.84 0.48 0.55	58.17 0.73 0.00	55.79 0.98 0.01	66.31 1.87 0.05	84.64 3.16 0.00	90.54 4.73 0.00	91.90 5.16 0.00	91.45 4.56 0.00	86.50 3.95 0.00	74.15 3.10 0.00	49.95 2.05 1.12
SOUTH HAMPTN___IC 23720	50.04 3.09 0.00	38.00 2.50 -1.82	37.66 2.32 0.00	35.34 2.07 0.00	33.69 1.95 0.00	33.98 1.82 0.00	34.34 1.87 0.00	38.22 1.49 -0.34	33.51 1.32 -0.02	45.66 1.48 -1.16	52.31 3.00 -0.69	54.80 2.63 -2.41	55.40 2.67 -0.96	56.36 2.79 -1.67	60.14 2.72 0.01	58.70 3.85 -0.02	67.70 4.37 1.16	84.63 6.93 3.78	88.72 6.92 4.00	90.35 6.28 2.68	92.05 5.16 0.00	87.08 4.53 0.00	73.51 3.00 0.53	54.12 2.26 -2.84
SOUTHDOWN_115KV_TB1 355954	49.97 3.03 0.00	35.52 1.84 0.00	37.36 2.02 0.00	35.01 1.75 0.00	33.10 1.36 0.00	33.33 1.17 0.00	33.79 1.33 0.00	38.45 2.05 0.00	34.98 2.82 0.00	47.36 4.34 0.00	53.56 4.94 0.00	55.14 5.37 0.00	57.54 5.77 0.00	57.55 5.64 0.00	63.94 6.50 0.00	59.74 4.92 0.00	70.89 6.40 0.00	88.29 6.81 0.00	95.55 9.74 0.00	95.90 9.15 0.00	96.33 9.43 0.00	91.34 8.79 0.00	79.47 8.42 0.00	55.06 6.04 0.00
SOUTHOLD_69_KV_BK 2 55809	51.17 4.23 0.00	38.77 3.27 -1.82	38.44 3.10 0.00	36.05 2.78 0.00	34.38 2.63 0.00	34.65 2.50 0.00	35.00 2.53 0.00	38.96 2.22 -0.34	34.26 2.07 -0.02	46.74 2.56 -1.16	53.59 4.28 -0.69	56.26 4.09 -2.41	56.89 4.16 -0.96	57.80 4.22 -1.67	61.80 4.37 0.01	60.37 5.53 -0.02	69.66 6.33 1.17	87.80 10.11 3.79	91.35 9.55 4.01	92.87 8.81 2.68	94.37 7.48 0.00	89.29 6.74 0.00	75.60 5.08 0.53	55.44 3.58 -2.84
SOUTHOLD___IC 23719	51.17 4.23 0.00	38.77 3.27 -1.82	38.44 3.10 0.00	36.05 2.78 0.00	34.37 2.63 0.00	34.65 2.50 0.00	35.00 2.53 0.00	38.96 2.22 -0.34	34.26 2.07 -0.02	46.74 2.56 -1.16	53.60 4.28 -0.69	56.25 4.07 -2.41	56.89 4.16 -0.96	57.80 4.22 -1.67	61.80 4.37 0.01	60.32 5.48 -0.02	69.67 6.34 1.17	87.10 9.41 3.79	91.30 9.51 4.01	92.87 8.81 2.68	94.37 7.48 0.00	89.30 6.74 0.00	75.60 5.08 0.53	55.46 3.59 -2.84
SOUTH_FORK_WT_PWR 323839	51.30 4.36 0.00	38.86 3.36 -1.82	38.54 3.21 0.00	36.12 2.85 0.00	34.45 2.71 0.00	34.74 2.59 0.00	35.07 2.61 0.00	39.01 2.27 -0.34	34.33 2.15 -0.02	46.82 2.65 -1.16	53.71 4.40 -0.69	56.44 4.27 -2.41	57.08 4.35 -0.96	57.88 4.31 -1.67	61.89 4.46 0.01	60.43 5.58 -0.02	69.83 6.50 1.16	87.26 9.56 3.79	91.39 9.59 4.01	92.88 8.82 2.68	94.35 7.46 0.00	89.34 6.78 0.00	75.80 5.29 0.53	55.62 3.76 -2.84
SPIERFLS_115KV_TB 1 80737	49.33 2.39 0.00	34.00 1.87 1.55	37.47 2.13 0.00	35.23 1.96 0.00	33.62 1.87 0.00	33.99 1.83 0.00	34.37 1.90 0.00	37.91 1.81 0.29	33.60 1.46 0.02	43.39 1.37 0.99	49.10 1.07 0.59	48.78 1.07 2.06	51.82 0.87 0.83	51.55 1.06 1.42	58.81 1.37 0.00	56.53 1.73 0.02	66.95 2.58 0.13	86.22 4.74 0.00	92.38 6.57 0.00	93.06 6.31 0.00	92.61 5.71 0.00	87.76 5.21 0.00	74.83 3.78 0.00	48.58 2.47 2.92
ST LAWRENCE____ 23600	46.44 -0.50 0.00	33.12 -0.57 0.00	34.64 -0.69 0.00	32.57 -0.69 0.00	31.04 -0.70 0.00	31.57 -0.59 0.00	31.86 -0.62 0.00	35.93 -0.47 0.00	31.89 -0.27 0.00	43.00 -0.01 0.00	48.58 -0.04 0.00	49.56 -0.20 0.00	51.52 -0.25 0.00	51.64 -0.27 0.00	57.05 -0.38 0.00	54.03 -0.79 0.00	63.34 -1.15 0.00	79.54 -1.94 0.00	83.01 -2.80 0.00	84.46 -2.29 0.00	85.38 -1.51 0.00	81.47 -1.08 0.00	70.31 -0.74 0.00	48.43 -0.59 0.00

STATE_CA_115KV_115_LB 55624	47.18 0.24 0.00	32.63 0.39 1.45	35.87 0.53 0.00	33.82 0.56 0.00	32.42 0.67 0.00	32.80 0.64 0.00	33.11 0.64 0.00	36.54 0.42 0.27	32.34 0.19 0.02	41.78 -0.30 0.93	47.68 -0.39 0.55	47.45 -0.39 1.92	50.50 -0.50 0.77	50.18 -0.39 1.33	57.08 -0.36 0.00	54.78 -0.02 0.02	64.58 0.20 0.12	82.56 1.08 0.00	87.53 1.73 0.00	88.23 1.49 0.00	87.60 0.71 0.00	82.97 0.42 0.00	71.14 0.09 0.00	46.40 0.11 2.73
STATE_ST_34_KV_LOAD 55959	48.17 1.05 -0.18	34.41 0.73 0.00	36.13 0.79 0.00	33.99 0.73 0.00	32.39 0.64 0.00	32.74 0.58 0.00	33.12 0.64 0.00	37.21 0.81 0.00	32.83 0.67 0.00	43.75 0.73 0.00	49.47 0.85 0.00	50.81 1.04 0.00	53.23 1.46 0.00	53.41 1.50 0.00	59.36 1.85 -0.06	56.55 1.71 -0.02	67.18 2.62 -0.07	86.32 2.72 -2.12	91.62 3.75 -2.06	90.42 3.56 -0.12	90.96 3.35 -0.71	86.72 3.00 -1.17	74.46 2.48 -0.93	50.68 1.66 0.00
STATION_5_MISC_HYD 23604	48.98 2.04 0.00	34.87 1.19 0.00	36.50 1.16 0.00	34.26 0.99 0.00	32.52 0.77 0.00	32.73 0.57 0.00	33.14 0.67 0.00	37.54 1.15 0.00	33.70 1.53 0.00	45.31 2.30 0.00	51.41 2.80 0.00	53.09 3.32 0.00	55.53 3.77 0.00	55.59 3.68 0.00	61.48 4.04 0.00	57.89 3.07 0.00	68.38 3.88 0.00	85.74 4.26 0.00	91.43 5.62 0.00	92.10 5.36 0.00	92.25 5.36 0.00	87.32 4.77 0.00	75.58 4.53 0.00	52.42 3.39 0.00
STA_168_34_KV_BK1_2_REV_LBMP_B 345032	48.60 1.58 -0.07	34.62 0.93 0.00	36.25 0.91 0.00	34.04 0.77 0.00	32.36 0.61 0.00	32.62 0.46 0.00	33.02 0.55 0.00	37.31 0.91 0.00	33.34 1.18 0.00	44.74 1.73 0.00	50.68 2.06 0.00	52.19 2.42 0.00	54.54 2.78 0.00	54.69 2.78 0.00	60.63 3.16 -0.03	57.46 2.64 -0.01	67.73 3.21 -0.03	85.69 3.30 -0.91	91.36 4.67 -0.88	91.29 4.49 -0.05	91.63 4.43 -0.31	86.99 3.94 -0.50	75.12 3.67 -0.40	51.70 2.67 0.00
STA_56_34_KV_BUS2_REV_LBMP_B 345033	48.66 1.72 0.00	34.65 0.97 0.00	36.27 0.94 0.00	34.05 0.78 0.00	32.32 0.58 0.00	32.53 0.38 0.00	32.95 0.48 0.00	37.31 0.91 0.00	33.47 1.30 0.00	45.02 2.00 0.00	51.06 2.44 0.00	52.70 2.94 0.00	55.14 3.38 0.00	55.23 3.32 0.00	61.09 3.66 0.00	57.55 2.73 0.00	67.97 3.48 0.00	85.00 3.52 0.00	90.85 5.04 0.00	91.59 4.85 0.00	91.71 4.82 0.00	86.81 4.25 0.00	75.11 4.06 0.00	52.03 3.01 0.00
STA_56___34_KV_BUS2 355983	48.66 1.72 0.00	34.65 0.97 0.00	36.27 0.94 0.00	34.05 0.78 0.00	32.32 0.58 0.00	32.53 0.38 0.00	32.95 0.48 0.00	37.31 0.91 0.00	33.47 1.30 0.00	45.02 2.00 0.00	51.06 2.44 0.00	52.70 2.94 0.00	55.14 3.38 0.00	55.23 3.32 0.00	61.09 3.66 0.00	57.55 2.73 0.00	67.97 3.48 0.00	85.00 3.52 0.00	90.85 5.04 0.00	91.59 4.85 0.00	91.71 4.82 0.00	86.81 4.25 0.00	75.11 4.06 0.00	52.03 3.01 0.00
STA_67___115KV_BK2 355882	48.81 1.87 0.00	34.76 1.07 0.00	36.38 1.05 0.00	34.16 0.89 0.00	32.42 0.68 0.00	32.62 0.47 0.00	33.04 0.57 0.00	37.43 1.04 0.00	33.59 1.43 0.00	45.17 2.15 0.00	51.23 2.61 0.00	52.86 3.09 0.00	55.28 3.52 0.00	55.34 3.43 0.00	61.21 3.78 0.00	57.66 2.84 0.00	68.08 3.58 0.00	85.04 3.56 0.00	91.00 5.19 0.00	91.71 4.96 0.00	91.90 5.00 0.00	86.99 4.44 0.00	75.33 4.29 0.00	52.24 3.22 0.00
STA_7___115KV_9TRANS 80674	49.39 2.45 0.00	35.15 1.47 0.00	36.78 1.44 0.00	34.52 1.25 0.00	32.75 1.00 0.00	32.96 0.80 0.00	33.38 0.91 0.00	37.82 1.43 0.00	33.97 1.80 0.00	45.68 2.67 0.00	51.87 3.25 0.00	53.59 3.82 0.00	56.12 4.36 0.00	56.22 4.31 0.00	62.13 4.69 0.00	58.50 3.68 0.00	69.14 4.64 0.00	86.39 4.91 0.00	92.39 6.59 0.00	93.07 6.33 0.00	93.15 6.25 0.00	88.07 5.52 0.00	76.23 5.18 0.00	52.85 3.83 0.00
STA_82___115KV_TB1 80780	48.84 1.90 0.00	34.77 1.08 0.00	36.40 1.06 0.00	34.17 0.90 0.00	32.43 0.68 0.00	32.63 0.47 0.00	33.06 0.59 0.00	37.43 1.04 0.00	33.60 1.44 0.00	45.18 2.17 0.00	51.24 2.62 0.00	52.87 3.11 0.00	55.29 3.52 0.00	55.34 3.43 0.00	61.23 3.79 0.00	57.66 2.84 0.00	68.10 3.60 0.00	85.06 3.58 0.00	91.02 5.21 0.00	91.74 4.99 0.00	91.93 5.04 0.00	87.02 4.47 0.00	75.36 4.31 0.00	52.26 3.24 0.00
STEEL___WIND 323596	49.01 2.07 0.00	34.82 1.13 0.00	36.51 1.17 0.00	34.24 0.97 0.00	32.39 0.65 0.00	32.50 0.34 0.00	32.99 0.52 0.00	37.58 1.19 0.00	33.99 1.83 0.00	45.94 2.93 0.00	51.96 3.34 0.00	53.65 3.88 0.00	55.99 4.22 0.00	55.76 3.86 0.00	61.89 4.45 0.00	57.95 3.14 0.00	68.46 3.97 0.00	85.24 3.76 0.00	91.68 5.88 0.00	92.15 5.41 0.00	92.61 5.72 0.00	87.82 5.27 0.00	76.57 5.52 0.00	53.32 4.30 0.00
STEPHTWN_115KV_BK_2 55603	47.09 0.15 0.00	32.64 0.36 1.41	35.80 0.46 0.00	33.69 0.42 0.00	32.31 0.57 0.00	32.73 0.58 0.00	33.03 0.56 0.00	36.48 0.35 0.27	32.34 0.19 0.02	41.85 -0.26 0.90	47.70 -0.38 0.54	47.48 -0.41 1.87	50.53 -0.48 0.75	50.17 -0.44 1.30	57.06 -0.38 0.00	54.79 -0.01 0.02	64.63 0.25 0.12	82.66 1.19 0.00	87.65 1.84 0.00	88.52 1.78 0.00	87.77 0.88 0.00	83.01 0.46 0.00	71.13 0.08 0.00	46.39 0.02 2.65
STEUBEN_REC_LFGE 323667	48.57 1.63 0.00	34.65 0.96 0.00	36.32 0.98 0.00	34.22 0.95 0.00	32.42 0.67 0.00	32.81 0.66 0.00	33.34 0.87 0.00	37.76 1.36 0.00	34.09 1.93 0.00	45.71 2.69 0.00	51.32 2.70 0.00	52.65 2.88 0.00	54.84 3.08 0.00	54.69 2.78 0.00	60.99 3.55 0.00	57.53 2.71 0.00	68.36 3.87 0.00	86.16 4.68 0.00	91.88 6.07 0.00	93.13 6.38 0.00	93.66 6.77 0.00	88.71 6.16 0.00	76.79 5.74 0.00	53.19 4.17 0.00
STILLWATER___SOLAR 323814	49.02 2.08 0.00	33.65 1.68 1.72	37.21 1.87 0.00	35.03 1.76 0.00	33.45 1.70 0.00	33.84 1.69 0.00	34.19 1.72 0.00	37.69 1.62 0.32	33.43 1.29 0.02	43.09 1.18 1.10	49.06 1.10 0.66	48.56 1.08 2.28	51.77 0.92 0.91	51.42 1.09 1.58	58.80 1.36 0.00	56.44 1.64 0.02	66.67 2.31 0.14	85.50 4.02 0.00	91.23 5.42 0.00	92.03 5.28 0.00	91.46 4.57 0.00	86.64 4.08 0.00	74.15 3.10 0.00	47.89 2.10 3.24
STONY___BROOK 24151	49.52 2.58 0.00	37.67 2.17 -1.82	37.33 1.99 0.00	35.05 1.78 0.00	33.42 1.68 0.00	33.72 1.57 0.00	34.09 1.62 0.00	37.95 1.21 -0.34	33.14 0.95 -0.02	45.09 0.91 -1.16	51.61 2.30 -0.69	54.04 1.86 -2.41	54.63 1.90 -0.96	55.64 2.06 -1.67	59.14 1.72 0.02	57.59 2.75 -0.02	65.39 2.68 1.78	81.66 4.87 4.69	85.20 4.87 5.48	86.93 4.30 4.12	90.32 3.42 0.00	85.82 3.27 0.00	72.41 1.89 0.53	53.47 1.60 -2.84
STURGEON_POOL_HYD 23609	49.10 2.16 0.00	36.31 1.72 -0.91	37.03 1.69 0.00	34.88 1.61 0.00	33.29 1.55 0.00	33.67 1.51 0.00	34.04 1.57 0.00	38.06 1.49 -0.17	33.42 1.24 -0.01	45.06 1.47 -0.58	50.65 1.69 -0.35	52.81 1.84 -1.20	54.11 1.85 -0.48	54.59 1.84 -0.83	59.47 2.03 0.00	57.26 2.43 -0.01	67.79 3.23 -0.07	86.38 4.89 0.00	91.27 5.46 0.00	91.72 4.98 0.00	90.97 4.08 0.00	85.94 3.39 0.00	73.62 2.57 0.00	52.65 1.91 -1.71

ST_LAW_115_BK7_LBMP 345037	46.43 -0.51 0.00	33.10 -0.58 0.00	34.62 -0.72 0.00	32.55 -0.72 0.00	31.01 -0.73 0.00	31.55 -0.61 0.00	31.83 -0.64 0.00	35.90 -0.49 0.00	31.89 -0.28 0.00	43.00 -0.01 0.00	48.59 -0.03 0.00	49.56 -0.20 0.00	51.51 -0.26 0.00	51.63 -0.28 0.00	57.03 -0.41 0.00	53.99 -0.83 0.00	63.28 -1.22 0.00	79.41 -2.07 0.00	82.80 -3.00 0.00	84.35 -2.40 0.00	85.31 -1.58 0.00	81.43 -1.11 0.00	70.29 -0.76 0.00	48.43 -0.59 0.00
ST_LAW_115_BK8_LBMP 345038	46.43 -0.51 0.00	33.10 -0.58 0.00	34.62 -0.72 0.00	32.55 -0.72 0.00	31.01 -0.73 0.00	31.55 -0.61 0.00	31.83 -0.64 0.00	35.90 -0.49 0.00	31.89 -0.28 0.00	43.00 -0.01 0.00	48.59 -0.03 0.00	49.56 -0.20 0.00	51.51 -0.26 0.00	51.63 -0.28 0.00	57.03 -0.41 0.00	53.99 -0.83 0.00	63.28 -1.22 0.00	79.41 -2.07 0.00	82.80 -3.00 0.00	84.35 -2.40 0.00	85.31 -1.58 0.00	81.43 -1.11 0.00	70.29 -0.76 0.00	48.43 -0.59 0.00
ST_LAW_230_BK5_LBMP 345035	46.44 -0.50 0.00	33.12 -0.57 0.00	34.64 -0.69 0.00	32.57 -0.69 0.00	31.04 -0.70 0.00	31.57 -0.59 0.00	31.86 -0.62 0.00	35.93 -0.47 0.00	31.89 -0.27 0.00	43.00 -0.01 0.00	48.58 -0.04 0.00	49.56 -0.20 0.00	51.52 -0.25 0.00	51.64 -0.27 0.00	57.05 -0.38 0.00	54.03 -0.79 0.00	63.34 -1.15 0.00	79.54 -1.94 0.00	83.01 -2.80 0.00	84.46 -2.29 0.00	85.38 -1.51 0.00	81.47 -1.08 0.00	70.31 -0.74 0.00	48.43 -0.59 0.00
ST_LAW_230_BK6_LBMP 345036	46.44 -0.50 0.00	33.12 -0.57 0.00	34.64 -0.69 0.00	32.57 -0.69 0.00	31.04 -0.70 0.00	31.57 -0.59 0.00	31.86 -0.62 0.00	35.93 -0.47 0.00	31.89 -0.27 0.00	43.00 -0.01 0.00	48.58 -0.04 0.00	49.56 -0.20 0.00	51.52 -0.25 0.00	51.64 -0.27 0.00	57.05 -0.38 0.00	54.03 -0.79 0.00	63.34 -1.15 0.00	79.54 -1.94 0.00	83.01 -2.80 0.00	84.46 -2.29 0.00	85.38 -1.51 0.00	81.47 -1.08 0.00	70.31 -0.74 0.00	48.43 -0.59 0.00
SUGRLOAF_69_KV_LOAD_REV_LBMP_G 345026	48.84 1.91 0.00	36.77 1.52 -1.57	36.79 1.45 0.00	34.65 1.38 0.00	33.07 1.33 0.00	33.45 1.29 0.00	33.83 1.36 0.00	37.94 1.25 -0.29	33.26 1.07 -0.02	45.16 1.14 -1.00	50.54 1.33 -0.60	53.24 1.40 -2.07	54.01 1.42 -0.83	54.83 1.48 -1.44	59.05 1.61 0.00	56.89 2.05 -0.02	67.38 2.76 -0.13	85.80 4.32 0.00	90.75 4.94 0.00	91.22 4.47 0.00	90.51 3.61 0.00	85.51 2.96 0.00	73.25 2.21 0.00	53.59 1.62 -2.94
SWANROAD_115KV_TB1 355699	47.90 0.96 0.00	34.00 0.31 0.00	35.63 0.29 0.00	33.43 0.16 0.00	31.64 -0.10 0.00	31.70 -0.46 0.00	32.24 -0.23 0.00	36.86 0.46 0.00	33.33 1.16 0.00	44.95 1.93 0.00	50.90 2.28 0.00	52.61 2.84 0.00	54.87 3.10 0.00	54.53 2.62 0.00	60.19 2.75 0.00	56.23 1.41 0.00	66.25 1.75 0.00	81.72 0.24 0.00	88.46 2.65 0.00	88.93 2.18 0.00	89.55 2.65 0.00	84.96 2.41 0.00	74.42 3.37 0.00	51.96 2.94 0.00
SYNERGY___BIOGAS 323694	50.00 3.06 0.00	35.48 1.79 0.00	37.11 1.78 0.00	34.79 1.52 0.00	32.94 1.19 0.00	33.05 0.89 0.00	33.53 1.06 0.00	38.15 1.75 0.00	34.42 2.25 0.00	46.30 3.28 0.00	52.36 3.74 0.00	54.11 4.34 0.00	56.54 4.78 0.00	56.57 4.66 0.00	62.67 5.23 0.00	58.45 3.63 0.00	69.14 4.64 0.00	86.00 4.53 0.00	92.99 7.18 0.00	93.90 7.16 0.00	94.59 7.70 0.00	89.62 7.07 0.00	77.91 6.86 0.00	54.05 5.03 0.00
SYRACUSE___ENERGY_ST1 323597	47.37 0.21 -0.23	33.74 0.06 0.00	35.38 0.04 0.00	33.29 0.02 0.00	31.74 0.00 0.00	32.10 -0.05 0.00	32.44 -0.03 0.00	36.42 0.03 0.00	32.22 0.06 0.00	43.03 0.02 0.00	48.66 0.05 0.00	50.00 0.23 0.00	52.25 0.48 0.00	52.38 0.47 0.00	58.15 0.63 -0.08	55.45 0.61 -0.02	65.47 0.89 -0.08	85.30 1.08 -2.73	89.98 1.52 -2.65	88.21 1.31 -0.15	88.86 1.05 -0.92	84.87 0.82 -1.50	72.84 0.59 -1.20	49.44 0.41 0.00
SYRACUSE___ENERGY_ST2 323598	47.37 0.21 -0.23	33.74 0.06 0.00	35.38 0.04 0.00	33.29 0.02 0.00	31.74 0.00 0.00	32.10 -0.05 0.00	32.44 -0.03 0.00	36.42 0.03 0.00	32.22 0.06 0.00	43.03 0.02 0.00	48.66 0.05 0.00	50.00 0.23 0.00	52.25 0.48 0.00	52.38 0.47 0.00	58.15 0.63 -0.08	55.45 0.61 -0.02	65.47 0.89 -0.08	85.30 1.08 -2.73	89.98 1.52 -2.65	88.21 1.31 -0.15	88.86 1.05 -0.92	84.87 0.82 -1.50	72.84 0.59 -1.20	49.44 0.41 0.00
SYRACUSE___POWER 24017	47.38 0.36 -0.07	33.88 0.19 0.00	35.53 0.19 0.00	33.42 0.15 0.00	31.87 0.13 0.00	32.23 0.07 0.00	32.57 0.10 0.00	36.56 0.16 0.00	32.35 0.18 0.00	43.24 0.23 0.00	48.86 0.24 0.00	50.18 0.42 0.00	52.43 0.67 0.00	52.57 0.66 0.00	58.29 0.83 -0.03	55.66 0.83 -0.01	65.64 1.12 -0.03	83.84 1.49 -0.86	88.62 1.98 -0.84	88.54 1.74 -0.05	88.61 1.43 -0.29	84.18 1.16 -0.48	72.32 0.89 -0.38	49.64 0.61 0.00
TALLMAN__138KV_BK151 55660	49.13 2.19 0.00	37.10 1.74 -1.67	36.96 1.62 0.00	34.80 1.53 0.00	33.22 1.48 0.00	33.59 1.44 0.00	33.98 1.51 0.00	38.11 1.40 -0.31	33.41 1.23 -0.02	45.43 1.34 -1.07	50.84 1.58 -0.64	53.64 1.66 -2.21	54.30 1.64 -0.89	55.16 1.72 -1.53	59.30 1.86 0.00	57.21 2.37 -0.02	67.81 3.18 -0.14	86.33 4.85 0.00	91.31 5.51 0.00	91.72 4.97 0.00	90.92 4.03 0.00	85.89 3.34 0.00	73.57 2.52 0.00	54.00 1.85 -3.13
TEALLAVE_115KV_TB7 355573	47.14 0.13 -0.07	33.72 0.03 0.00	35.36 0.02 0.00	33.26 0.00 0.00	31.72 -0.03 0.00	32.07 -0.09 0.00	32.40 -0.07 0.00	36.38 -0.02 0.00	32.21 0.04 0.00	43.07 0.05 0.00	48.70 0.08 0.00	50.02 0.25 0.00	52.22 0.46 0.00	52.36 0.45 0.00	58.06 0.59 -0.03	55.37 0.54 -0.01	65.30 0.78 -0.03	83.34 1.05 -0.81	88.08 1.48 -0.79	88.04 1.25 -0.05	88.12 0.95 -0.27	83.71 0.72 -0.45	71.92 0.51 -0.36	49.42 0.39 0.00
TELGRAPH_34_KV_EAST 80808	48.89 1.95 0.00	34.69 1.00 0.00	36.32 0.99 0.00	34.06 0.79 0.00	32.24 0.49 0.00	32.33 0.18 0.00	32.83 0.36 0.00	37.46 1.06 0.00	33.83 1.67 0.00	45.56 2.55 0.00	51.58 2.96 0.00	53.34 3.58 0.00	55.72 3.96 0.00	55.51 3.60 0.00	61.37 3.93 0.00	57.35 2.53 0.00	67.67 3.17 0.00	83.83 2.35 0.00	90.66 4.86 0.00	91.27 4.52 0.00	91.92 5.03 0.00	87.13 4.58 0.00	76.04 4.99 0.00	52.94 3.92 0.00
TEMPLE___115KV_TB 2 55572	47.15 0.15 -0.05	33.74 0.06 0.00	35.37 0.03 0.00	33.28 0.01 0.00	31.73 -0.01 0.00	32.07 -0.08 0.00	32.42 -0.05 0.00	36.40 0.00 0.00	32.23 0.07 0.00	43.08 0.06 0.00	48.70 0.09 0.00	50.04 0.28 0.00	52.26 0.49 0.00	52.39 0.48 0.00	58.08 0.62 -0.02	55.40 0.57 0.00	65.35 0.83 -0.02	83.21 1.08 -0.66	87.97 1.53 -0.63	88.06 1.28 -0.04	88.12 1.01 -0.22	83.66 0.75 -0.36	71.87 0.54 -0.28	49.43 0.41 0.00
TIANA____69_KV_BK 1 55817	49.80 2.86 0.00	37.83 2.33 -1.82	37.48 2.14 0.00	35.18 1.91 0.00	33.55 1.80 0.00	33.83 1.68 0.00	34.20 1.73 0.00	38.07 1.33 -0.34	33.35 1.16 -0.02	45.44 1.27 -1.16	52.03 2.72 -0.69	54.50 2.32 -2.41	55.08 2.35 -0.96	56.06 2.48 -1.67	59.80 2.37 0.01	58.39 3.55 -0.02	67.26 3.93 1.17	84.83 7.14 3.79	88.25 6.45 4.01	89.83 5.77 2.68	91.60 4.71 0.00	86.63 4.08 0.00	73.10 2.58 0.53	53.83 1.97 -2.84

TILDEN___115KV_TB1 80814	47.38 0.36 -0.07	33.88 0.19 0.00	35.53 0.19 0.00	33.42 0.15 0.00	31.87 0.13 0.00	32.23 0.07 0.00	32.57 0.10 0.00	36.56 0.16 0.00	32.35 0.18 0.00	43.24 0.23 0.00	48.86 0.24 0.00	50.18 0.42 0.00	52.43 0.67 0.00	52.57 0.66 0.00	58.29 0.83 -0.03	55.66 0.83 -0.01	65.64 1.12 -0.03	83.84 1.49 -0.86	88.62 1.98 -0.84	88.54 1.74 -0.05	88.61 1.43 -0.29	84.18 1.16 -0.48	72.32 0.89 -0.38	49.64 0.61 0.00
TRIGEN___CC 323695	49.45 2.51 0.00	37.55 2.05 -1.82	37.25 1.91 0.00	35.01 1.75 0.00	33.39 1.65 0.00	33.72 1.57 0.00	34.10 1.63 0.00	38.14 1.41 -0.34	33.32 1.14 -0.02	45.39 1.21 -1.16	51.39 2.08 -0.69	53.97 1.80 -2.41	54.53 1.80 -0.96	55.44 1.87 -1.67	59.14 1.70 0.00	57.38 2.53 -0.02	67.66 3.01 -0.15	86.61 5.13 0.00	90.91 5.10 0.00	91.36 4.61 0.00	90.70 3.81 0.00	85.82 3.27 0.00	73.08 2.12 0.08	54.11 1.76 -3.32
TRINITY___115KV___4 BK 55933	46.93 -0.01 0.00	32.49 0.23 1.42	35.70 0.37 0.00	33.66 0.39 0.00	32.28 0.53 0.00	32.66 0.50 0.00	32.96 0.50 0.00	36.37 0.24 0.27	32.18 0.04 0.02	41.57 -0.53 0.91	47.42 -0.66 0.54	47.16 -0.73 1.88	50.18 -0.84 0.76	49.85 -0.75 1.31	56.67 -0.76 0.00	54.38 -0.42 0.02	64.07 -0.31 0.12	81.91 0.43 0.00	86.85 1.04 0.00	87.57 0.83 0.00	86.92 0.03 0.00	82.39 -0.16 0.00	70.66 -0.39 0.00	46.15 -0.20 2.67
UNION___PROCESSING_DRP 323587	48.84 1.90 0.00	34.77 1.09 0.00	36.40 1.06 0.00	34.19 0.92 0.00	32.44 0.69 0.00	32.65 0.50 0.00	33.07 0.60 0.00	37.45 1.05 0.00	33.61 1.45 0.00	45.19 2.17 0.00	51.24 2.63 0.00	52.89 3.12 0.00	55.30 3.54 0.00	55.35 3.44 0.00	61.26 3.82 0.00	57.68 2.86 0.00	68.12 3.62 0.00	85.10 3.62 0.00	91.05 5.24 0.00	91.77 5.02 0.00	91.98 5.09 0.00	87.07 4.52 0.00	75.40 4.35 0.00	52.28 3.25 0.00
UPPER HUDSON___HYD 24058	49.33 2.39 0.00	34.00 1.87 1.55	37.47 2.13 0.00	35.23 1.96 0.00	33.62 1.87 0.00	33.98 1.83 0.00	34.37 1.90 0.00	37.91 1.81 0.29	33.60 1.46 0.02	43.39 1.37 0.99	49.10 1.07 0.59	48.78 1.07 2.06	51.81 0.87 0.83	51.55 1.06 1.42	58.81 1.37 0.00	56.53 1.73 0.02	66.95 2.58 0.13	86.19 4.71 0.00	92.38 6.57 0.00	93.05 6.31 0.00	92.61 5.71 0.00	87.76 5.21 0.00	74.82 3.78 0.00	48.58 2.47 2.92
UPPER RAQUET___HYD 24056	47.17 0.22 0.00	33.50 -0.19 0.00	34.96 -0.38 0.00	32.89 -0.37 0.00	31.36 -0.39 0.00	31.95 -0.21 0.00	32.20 -0.27 0.00	36.28 -0.12 0.00	32.16 0.00 0.00	43.47 0.46 0.00	49.16 0.54 0.00	50.07 0.30 0.00	52.18 0.41 0.00	52.20 0.29 0.00	57.50 0.06 0.00	54.50 -0.32 0.00	63.88 -0.61 0.00	80.42 -1.06 0.00	83.46 -2.35 0.00	86.27 -0.48 0.00	87.49 0.59 0.00	83.26 0.71 0.00	71.62 0.57 0.00	49.33 0.31 0.00
VALLEY44_115KV_TB2 355964	48.59 1.65 0.00	34.58 0.90 0.00	36.20 0.86 0.00	34.05 0.78 0.00	32.32 0.57 0.00	32.51 0.35 0.00	32.99 0.52 0.00	37.37 0.98 0.00	33.64 1.47 0.00	45.33 2.31 0.00	51.13 2.51 0.00	52.55 2.79 0.00	54.68 2.92 0.00	54.65 2.74 0.00	60.67 3.23 0.00	57.30 2.48 0.00	68.00 3.50 0.00	84.80 3.32 0.00	91.50 5.69 0.00	91.64 4.89 0.00	91.52 4.63 0.00	86.84 4.29 0.00	75.57 4.52 0.00	52.55 3.52 0.00
VALLEY___115KV_TB 1-4 80826	47.53 0.59 0.00	34.31 0.62 0.00	36.08 0.74 0.00	34.02 0.75 0.00	32.57 0.82 0.00	32.92 0.77 0.00	33.22 0.75 0.00	36.93 0.53 0.00	32.27 0.11 0.00	42.68 -0.34 0.00	48.17 -0.45 0.00	49.43 -0.34 0.00	51.23 -0.54 0.00	51.42 -0.48 0.00	57.03 -0.41 0.00	54.89 0.07 0.00	64.79 0.29 0.00	82.98 1.50 0.00	88.49 2.67 0.00	89.55 2.80 0.00	89.19 2.30 0.00	84.40 1.85 0.00	72.30 1.26 0.00	49.70 0.68 0.00
VINEGAR_115_KV_917_CH_LD_REV_LBMP_E 345011	49.07 2.13 0.00	35.22 1.53 0.00	37.06 1.72 0.00	34.92 1.65 0.00	33.33 1.58 0.00	33.72 1.56 0.00	34.09 1.62 0.00	38.16 1.76 0.00	33.57 1.41 0.00	44.92 1.90 0.00	50.92 2.30 0.00	52.15 2.38 0.00	54.23 2.46 0.00	54.35 2.44 0.00	60.13 2.69 0.00	57.63 2.81 0.00	67.96 3.47 0.00	86.26 4.78 0.00	91.26 5.46 0.00	92.00 5.25 0.00	91.62 4.73 0.00	86.68 4.13 0.00	74.43 3.38 0.00	51.38 2.35 0.00
VISCHER___FERRY HYD 24020	48.05 1.11 0.00	32.63 1.07 2.13	36.55 1.22 0.00	34.44 1.17 0.00	32.93 1.19 0.00	33.32 1.16 0.00	33.64 1.17 0.00	36.96 0.97 0.40	32.85 0.72 0.03	42.02 0.37 1.36	48.10 0.29 0.81	47.18 0.23 2.82	50.68 0.05 1.13	50.14 0.18 1.95	57.75 0.31 0.00	55.40 0.60 0.03	65.25 0.93 0.17	83.64 2.16 0.00	88.92 3.11 0.00	89.67 2.92 0.00	89.02 2.12 0.00	84.41 1.86 0.00	72.34 1.29 0.00	45.93 0.91 4.00
V_A_10_SYNC_DSASP 323832	48.26 1.32 0.00	34.33 0.65 0.00	35.98 0.64 0.00	33.79 0.52 0.00	32.02 0.28 0.00	32.16 0.01 0.00	32.63 0.16 0.00	37.07 0.68 0.00	33.39 1.23 0.00	45.02 2.00 0.00	50.97 2.35 0.00	52.59 2.82 0.00	54.84 3.07 0.00	54.68 2.77 0.00	60.56 3.12 0.00	56.87 2.05 0.00	67.09 2.60 0.00	83.17 1.69 0.00	89.46 3.65 0.00	90.11 3.36 0.00	90.49 3.60 0.00	85.79 3.24 0.00	74.70 3.65 0.00	52.04 3.01 0.00
V_CMM_10_SYNC_DSASP 323787	46.69 -0.25 0.00	33.29 -0.40 0.00	34.81 -0.52 0.00	32.73 -0.54 0.00	31.18 -0.56 0.00	31.72 -0.43 0.00	32.01 -0.46 0.00	36.11 -0.29 0.00	32.08 -0.09 0.00	43.26 0.25 0.00	48.87 0.25 0.00	49.83 0.06 0.00	51.79 0.02 0.00	51.91 0.00 0.00	57.35 -0.09 0.00	54.30 -0.52 0.00	63.66 -0.83 0.00	79.87 -1.61 0.00	83.32 -2.49 0.00	84.86 -1.89 0.00	85.83 -1.06 0.00	81.91 -0.64 0.00	70.70 -0.35 0.00	48.73 -0.30 0.00
V_CMP_10_SYNC_DSASP 323788	46.22 -0.72 0.00	32.86 -0.82 0.00	34.30 -1.04 0.00	32.22 -1.05 0.00	30.65 -1.09 0.00	31.20 -0.96 0.00	31.55 -0.93 0.00	35.68 -0.72 0.00	31.74 -0.42 0.00	42.93 -0.08 0.00	48.23 -0.39 0.00	49.30 -0.47 0.00	51.09 -0.68 0.00	51.13 -0.78 0.00	56.19 -1.25 0.00	53.12 -1.70 0.00	62.74 -1.75 0.00	79.00 -2.48 0.00	82.64 -3.17 0.00	84.32 -2.43 0.00	85.06 -1.83 0.00	81.02 -1.53 0.00	69.62 -1.43 0.00	47.89 -1.13 0.00
V_D_10_SYNC_DSASP 323841	46.99 0.05 0.00	33.48 -0.21 0.00	35.00 -0.34 0.00	32.91 -0.36 0.00	31.36 -0.38 0.00	31.90 -0.25 0.00	32.18 -0.29 0.00	36.30 -0.10 0.00	32.22 0.06 0.00	43.53 0.51 0.00	49.19 0.57 0.00	50.14 0.37 0.00	52.15 0.38 0.00	52.27 0.36 0.00	57.64 0.20 0.00	54.56 -0.27 0.00	63.99 -0.51 0.00	80.25 -1.23 0.00	83.28 -2.53 0.00	85.47 -1.27 0.00	86.50 -0.39 0.00	82.52 -0.03 0.00	71.19 0.14 0.00	49.06 0.04 0.00
V_E_10_SYNC_DSASP 323830	49.99 3.05 0.00	35.73 2.04 0.00	37.61 2.27 0.00	35.20 1.94 0.00	33.80 2.06 0.00	34.25 2.09 0.00	34.69 2.22 0.00	38.98 2.58 0.00	34.52 2.35 0.00	46.25 3.24 0.00	52.76 4.14 0.00	53.56 3.79 0.00	55.71 3.94 0.00	56.16 4.25 0.00	62.41 4.98 0.00	60.08 5.26 0.00	70.91 6.41 0.00	89.83 8.35 0.00	96.55 10.74 0.00	98.19 11.44 0.00	97.29 10.40 0.00	91.72 9.17 0.00	78.03 6.99 0.00	53.32 4.30 0.00



V_F_30_NSYNC___DSASP 323816	49.10 2.16 0.00	33.76 1.72 1.65	37.26 1.92 0.00	35.07 1.80 0.00	33.49 1.74 0.00	33.88 1.72 0.00	34.23 1.76 0.00	37.77 1.69 0.31	33.50 1.35 0.02	43.28 1.31 1.06	49.26 1.27 0.63	48.86 1.27 2.18	52.03 1.14 0.88	51.72 1.32 1.51	59.03 1.60 0.00	56.64 1.85 0.02	66.94 2.58 0.13	85.80 4.32 0.00	91.45 5.64 0.00	92.26 5.51 0.00	91.69 4.80 0.00	86.82 4.27 0.00	74.34 3.29 0.00	48.14 2.21 3.09
V_F_30_SYNC_DSASP 323786	47.17 0.23 0.00	32.63 0.39 1.45	35.87 0.53 0.00	33.82 0.55 0.00	32.41 0.67 0.00	32.80 0.64 0.00	33.10 0.63 0.00	36.54 0.42 0.27	32.34 0.19 0.02	41.78 -0.31 0.93	47.67 -0.39 0.55	47.46 -0.39 1.92	50.50 -0.50 0.77	50.18 -0.40 1.33	57.08 -0.36 0.00	54.78 -0.02 0.02	64.56 0.18 0.12	82.56 1.08 0.00	87.53 1.72 0.00	88.22 1.48 0.00	87.58 0.69 0.00	82.97 0.42 0.00	71.14 0.09 0.00	46.41 0.11 2.73
V_XM_10_SYNC_DSASP 323789	46.22 -0.72 0.00	32.86 -0.82 0.00	34.30 -1.04 0.00	32.22 -1.05 0.00	30.65 -1.09 0.00	31.20 -0.96 0.00	31.55 -0.93 0.00	35.68 -0.72 0.00	31.74 -0.42 0.00	42.93 -0.08 0.00	48.23 -0.39 0.00	49.30 -0.47 0.00	51.09 -0.68 0.00	51.13 -0.78 0.00	56.19 -1.25 0.00	53.12 -1.70 0.00	62.74 -1.75 0.00	79.00 -2.48 0.00	82.64 -3.17 0.00	84.32 -2.43 0.00	85.06 -1.83 0.00	81.02 -1.53 0.00	69.62 -1.43 0.00	47.89 -1.13 0.00
W.BABYLN_69_KV_BK1 56697	50.10 3.16 0.00	38.05 2.55 -1.82	37.72 2.38 0.00	35.44 2.17 0.00	33.79 2.05 0.00	34.08 1.92 0.00	34.46 1.99 0.00	38.42 1.68 -0.34	33.53 1.35 -0.02	45.65 1.47 -1.16	52.09 2.78 -0.69	54.58 2.40 -2.41	55.19 2.46 -0.96	56.13 2.55 -1.67	59.82 2.39 0.01	58.30 3.46 -0.02	67.80 3.95 0.64	85.57 6.78 2.69	89.37 6.17 2.62	90.76 5.55 1.54	91.62 4.73 0.00	86.72 4.17 0.00	73.39 2.80 0.47	54.23 2.29 -2.91
W.NYACK_69_KV_BK 521_REV_LBMP_G 345027	49.34 2.40 0.00	37.27 1.89 -1.70	37.12 1.78 0.00	34.96 1.69 0.00	33.36 1.62 0.00	33.73 1.58 0.00	34.12 1.65 0.00	38.28 1.56 -0.32	33.55 1.37 -0.02	45.64 1.54 -1.09	51.09 1.82 -0.65	53.93 1.91 -2.25	54.58 1.92 -0.90	55.47 2.00 -1.56	59.62 2.18 0.00	57.52 2.68 -0.02	68.16 3.53 -0.14	86.80 5.32 0.00	91.81 6.00 0.00	92.23 5.48 0.00	91.42 4.53 0.00	86.35 3.80 0.00	73.93 2.89 0.00	54.30 2.08 -3.19
W49TH_ST_138_KV_38M43_REV_LBMP_J 345008	49.40 2.46 0.00	37.55 2.05 -1.82	37.26 1.93 0.00	35.07 1.80 0.00	33.48 1.73 0.00	33.84 1.68 0.00	34.22 1.75 0.00	38.41 1.67 -0.34	33.67 1.48 -0.02	45.82 1.64 -1.16	51.19 1.88 -0.69	54.04 1.87 -2.41	54.54 1.81 -0.96	55.42 1.85 -1.67	59.45 2.02 0.00	57.43 2.58 -0.02	67.97 3.33 -0.15	86.58 5.10 0.00	91.53 5.72 0.00	91.92 5.17 0.00	91.12 4.22 0.00	86.11 3.56 0.00	73.70 2.65 0.00	54.48 2.05 -3.41
W50THST__13_KV_LOAD 356117	49.69 2.74 0.00	37.78 2.28 -1.82	37.51 2.18 0.00	35.29 2.02 0.00	33.69 1.95 0.00	34.05 1.89 0.00	34.45 1.98 0.00	38.66 1.92 -0.34	33.91 1.73 -0.02	46.16 1.98 -1.16	51.54 2.23 -0.69	54.35 2.18 -2.41	54.86 2.13 -0.96	55.74 2.17 -1.67	59.80 2.36 0.00	57.77 2.93 -0.02	68.37 3.72 -0.15	87.07 5.59 0.00	92.07 6.26 0.00	92.44 5.69 0.00	91.64 4.74 0.00	86.58 4.03 0.00	74.12 3.07 0.00	54.77 2.33 -3.41
WADING RIVER_IC_1 23522	48.97 2.03 0.00	37.27 1.77 -1.82	36.91 1.57 0.00	34.64 1.38 0.00	33.05 1.30 0.00	33.33 1.17 0.00	33.69 1.22 0.00	37.50 0.76 -0.34	32.78 0.59 -0.02	44.62 0.45 -1.16	51.03 1.72 -0.69	53.42 1.25 -2.41	53.96 1.23 -0.96	54.95 1.38 -1.67	58.51 1.08 0.01	57.10 2.26 -0.02	65.75 2.41 1.15	82.27 4.56 3.77	86.24 4.41 3.97	87.94 3.84 2.65	89.76 2.87 0.00	84.96 2.41 0.00	71.66 1.14 0.54	52.90 1.04 -2.84
WADING RIVER_IC_2 23547	48.97 2.03 0.00	37.27 1.77 -1.82	36.91 1.57 0.00	34.64 1.38 0.00	33.05 1.30 0.00	33.33 1.17 0.00	33.69 1.22 0.00	37.50 0.76 -0.34	32.78 0.59 -0.02	44.62 0.45 -1.16	51.03 1.72 -0.69	53.42 1.25 -2.41	53.96 1.23 -0.96	54.95 1.38 -1.67	58.51 1.08 0.01	57.10 2.26 -0.02	65.75 2.41 1.15	82.27 4.56 3.77	86.24 4.41 3.97	87.94 3.84 2.65	89.76 2.87 0.00	84.96 2.41 0.00	71.66 1.14 0.54	52.90 1.04 -2.84
WADING RIVER_IC_3 23601	48.97 2.03 0.00	37.27 1.77 -1.82	36.91 1.57 0.00	34.64 1.38 0.00	33.05 1.30 0.00	33.33 1.17 0.00	33.69 1.22 0.00	37.50 0.76 -0.34	32.78 0.59 -0.02	44.62 0.45 -1.16	51.03 1.72 -0.69	53.42 1.25 -2.41	53.96 1.23 -0.96	54.95 1.38 -1.67	58.51 1.08 0.01	57.10 2.26 -0.02	65.75 2.41 1.15	82.27 4.56 3.77	86.24 4.41 3.97	87.94 3.84 2.65	89.76 2.87 0.00	84.96 2.41 0.00	71.66 1.14 0.54	52.90 1.04 -2.84
WALDENNY_12_KV_BK2 80841	49.14 2.20 0.00	34.89 1.21 0.00	36.57 1.23 0.00	34.30 1.03 0.00	32.45 0.70 0.00	32.55 0.39 0.00	33.04 0.57 0.00	37.66 1.26 0.00	34.08 1.91 0.00	46.05 3.03 0.00	52.14 3.52 0.00	53.85 4.08 0.00	56.22 4.45 0.00	55.98 4.08 0.00	62.09 4.65 0.00	58.15 3.33 0.00	68.68 4.19 0.00	85.04 3.56 0.00	91.94 6.13 0.00	92.37 5.62 0.00	92.79 5.89 0.00	87.96 5.41 0.00	76.73 5.68 0.00	53.42 4.40 0.00
WALDEN___HYDRO 24148	49.11 2.17 0.00	36.82 1.71 -1.43	37.00 1.66 0.00	34.83 1.56 0.00	33.25 1.51 0.00	33.62 1.47 0.00	33.99 1.52 0.00	38.10 1.44 -0.27	33.42 1.24 -0.02	45.30 1.37 -0.91	50.77 1.61 -0.54	53.35 1.68 -1.89	54.23 1.71 -0.76	54.99 1.77 -1.31	59.39 1.95 0.00	57.18 2.34 -0.02	67.78 3.16 -0.12	86.38 4.90 0.00	91.37 5.57 0.00	91.85 5.10 0.00	91.13 4.24 0.00	86.10 3.55 0.00	73.73 2.69 0.00	53.62 1.91 -2.69
WARRENSBURG____ 23737	49.33 2.39 0.00	34.00 1.87 1.55	37.47 2.13 0.00	35.23 1.96 0.00	33.62 1.87 0.00	33.99 1.83 0.00	34.37 1.90 0.00	37.91 1.81 0.29	33.60 1.46 0.02	43.39 1.37 0.99	49.10 1.07 0.59	48.78 1.07 2.06	51.82 0.87 0.83	51.55 1.06 1.42	58.81 1.37 0.00	56.53 1.73 0.02	66.95 2.58 0.13	86.22 4.74 0.00	92.38 6.57 0.00	93.06 6.31 0.00	92.61 5.71 0.00	87.76 5.21 0.00	74.83 3.78 0.00	48.58 2.47 2.92
WATERSIDE___6 8 9 23538	49.30 2.36 0.00	37.54 2.04 -1.82	37.24 1.90 0.00	35.06 1.79 0.00	33.46 1.72 0.00	33.80 1.65 0.00	34.20 1.73 0.00	38.36 1.62 -0.34	33.64 1.46 -0.02	45.73 1.55 -1.16	51.00 1.69 -0.69	53.82 1.65 -2.41	54.30 1.57 -0.96	55.18 1.61 -1.67	59.16 1.73 0.00	57.16 2.32 -0.02	67.66 3.02 -0.15	86.22 4.75 0.00	91.12 5.31 0.00	91.51 4.77 0.00	90.71 3.82 0.00	85.70 3.15 0.00	73.36 2.31 0.00	54.28 1.85 -3.41
WATKINRD_115KV_LN8_ILLION 55919	47.32 0.37 0.00	34.11 0.42 0.00	35.86 0.52 0.00	33.80 0.53 0.00	32.33 0.58 0.00	32.70 0.54 0.00	33.01 0.54 0.00	36.76 0.36 0.00	32.21 0.04 0.00	42.71 -0.31 0.00	48.23 -0.40 0.00	49.44 -0.33 0.00	51.31 -0.46 0.00	51.49 -0.43 0.00	57.07 -0.37 0.00	54.83 0.01 0.00	64.66 0.16 0.00	82.54 1.06 0.00	87.80 1.99 0.00	88.81 2.07 0.00	88.52 1.62 0.00	83.82 1.27 0.00	71.85 0.80 0.00	49.48 0.46 0.00

WDELAWARE___HYD 323627	47.89 0.95 0.00	35.59 0.76 -1.14	35.99 0.64 0.00	33.86 0.59 0.00	32.31 0.56 0.00	32.67 0.51 0.00	33.02 0.55 0.00	37.00 0.38 -0.21	32.48 0.30 -0.01	43.92 0.17 -0.73	49.29 0.24 -0.43	51.70 0.43 -1.51	52.76 0.39 -0.61	53.34 0.38 -1.05	57.91 0.47 0.00	55.67 0.83 -0.02	66.08 1.49 -0.09	84.04 2.57 0.00	89.07 3.26 0.00	89.70 2.95 0.00	89.05 2.16 0.00	84.12 1.57 0.00	71.98 0.93 0.00	51.80 0.63 -2.15
WEST BABYLON___IC 23714	50.10 3.16 0.00	38.05 2.55 -1.82	37.72 2.38 0.00	35.44 2.17 0.00	33.79 2.05 0.00	34.08 1.92 0.00	34.46 1.99 0.00	38.42 1.68 -0.34	33.53 1.35 -0.02	45.65 1.47 -1.16	52.09 2.78 -0.69	54.58 2.40 -2.41	55.19 2.46 -0.96	56.13 2.55 -1.67	59.82 2.39 0.01	58.30 3.46 -0.02	67.80 3.95 0.64	85.57 6.78 2.69	89.37 6.17 2.62	90.76 5.55 1.54	91.62 4.73 0.00	86.72 4.17 0.00	73.39 2.80 0.47	54.23 2.29 -2.91
WEST CANADA___HYD 24049	47.06 0.12 0.00	33.82 0.13 0.00	35.51 0.17 0.00	33.45 0.18 0.00	31.94 0.20 0.00	32.35 0.19 0.00	32.66 0.19 0.00	36.53 0.13 0.00	32.22 0.06 0.00	43.00 -0.02 0.00	48.60 -0.03 0.00	49.75 -0.02 0.00	51.71 -0.05 0.00	51.87 -0.04 0.00	57.42 -0.02 0.00	54.94 0.12 0.00	64.69 0.20 0.00	81.99 0.51 0.00	86.59 0.79 0.00	87.44 0.69 0.00	87.33 0.43 0.00	82.81 0.26 0.00	71.22 0.17 0.00	49.18 0.15 0.00
WESTERN_NY_WIND 24143	49.93 2.99 0.00	35.42 1.73 0.00	37.05 1.71 0.00	34.74 1.47 0.00	32.89 1.15 0.00	33.00 0.84 0.00	33.48 1.01 0.00	38.09 1.69 0.00	34.37 2.21 0.00	46.24 3.23 0.00	52.28 3.66 0.00	54.03 4.26 0.00	56.46 4.70 0.00	56.48 4.57 0.00	62.52 5.08 0.00	58.34 3.52 0.00	68.98 4.48 0.00	85.77 4.29 0.00	92.81 7.00 0.00	93.71 6.96 0.00	94.40 7.51 0.00	89.45 6.90 0.00	77.78 6.73 0.00	53.98 4.95 0.00
WESTOVER___LESR 323668	47.61 0.67 0.00	34.16 0.47 0.00	35.86 0.52 0.00	33.73 0.46 0.00	32.20 0.46 0.00	32.59 0.44 0.00	32.97 0.50 0.00	37.00 0.60 0.00	32.70 0.53 0.00	43.68 0.66 0.00	49.34 0.72 0.00	50.70 0.93 0.00	52.87 1.11 0.00	52.86 0.94 0.00	58.69 1.25 0.00	56.20 1.38 0.00	66.18 1.69 0.00	83.89 2.41 0.00	89.03 3.22 0.00	89.62 2.87 0.00	89.32 2.43 0.00	84.57 2.02 0.00	72.90 1.86 0.00	50.31 1.29 0.00
WETHRSFD_WT_PWR 323626	47.91 0.97 0.00	34.13 0.44 0.00	35.79 0.46 0.00	33.65 0.38 0.00	31.93 0.18 0.00	32.17 0.01 0.00	32.62 0.15 0.00	37.01 0.62 0.00	33.43 1.26 0.00	44.98 1.96 0.00	50.58 1.96 0.00	51.98 2.21 0.00	54.30 2.54 0.00	54.11 2.20 0.00	60.37 2.93 0.00	56.59 1.77 0.00	66.91 2.41 0.00	83.90 2.42 0.00	89.83 4.02 0.00	90.69 3.94 0.00	91.44 4.55 0.00	86.70 4.15 0.00	75.38 4.33 0.00	52.35 3.33 0.00
WHAVSTOR_138KV_BK127 55557	49.02 2.08 0.00	37.06 1.68 -1.71	36.91 1.57 0.00	34.76 1.49 0.00	33.18 1.44 0.00	33.55 1.40 0.00	33.93 1.46 0.00	38.06 1.34 -0.32	33.35 1.16 -0.02	45.35 1.25 -1.09	50.74 1.47 -0.65	53.55 1.53 -2.26	54.16 1.49 -0.90	55.04 1.56 -1.57	59.12 1.68 0.00	57.03 2.19 -0.02	67.58 2.94 -0.14	86.06 4.58 0.00	91.01 5.20 0.00	91.45 4.70 0.00	90.66 3.77 0.00	85.66 3.11 0.00	73.36 2.32 0.00	53.95 1.73 -3.21
WHAVSTOR_138_KV_BK127_REV_LBMP_G 345015	49.02 2.08 0.00	37.06 1.68 -1.71	36.91 1.57 0.00	34.76 1.49 0.00	33.18 1.44 0.00	33.55 1.40 0.00	33.93 1.46 0.00	38.06 1.34 -0.32	33.35 1.16 -0.02	45.35 1.25 -1.09	50.74 1.47 -0.65	53.55 1.53 -2.26	54.16 1.49 -0.90	55.04 1.56 -1.57	59.12 1.68 0.00	57.03 2.19 -0.02	67.58 2.94 -0.14	86.06 4.58 0.00	91.01 5.20 0.00	91.45 4.70 0.00	90.66 3.77 0.00	85.66 3.11 0.00	73.36 2.32 0.00	53.95 1.73 -3.21
WHITEHAL_115KV_TB1 80871	50.50 3.56 0.00	34.91 2.82 1.59	38.44 3.10 0.00	35.98 2.71 0.00	34.39 2.65 0.00	34.74 2.58 0.00	35.12 2.65 0.00	38.37 2.27 0.30	33.94 1.79 0.02	43.67 1.68 1.02	49.56 1.55 0.61	48.90 1.24 2.11	51.98 1.06 0.85	51.73 1.28 1.46	59.45 2.02 0.00	57.25 2.45 0.02	68.01 3.64 0.13	88.49 7.01 0.00	94.21 8.40 0.00	94.76 8.01 0.00	93.92 7.02 0.00	89.62 7.07 0.00	76.16 5.11 0.00	49.57 3.54 2.99
WHITEPLN_13_KV_LOAD 356215	49.77 2.83 0.00	37.72 2.22 -1.81	37.47 2.14 0.00	35.27 2.00 0.00	33.66 1.91 0.00	34.02 1.87 0.00	34.41 1.94 0.00	38.62 1.88 -0.34	33.84 1.65 -0.02	46.07 1.89 -1.16	51.59 2.28 -0.69	54.55 2.39 -2.40	55.11 2.38 -0.96	56.06 2.49 -1.66	60.18 2.74 0.00	58.08 3.24 -0.02	68.80 4.15 -0.15	87.70 6.22 0.00	92.72 6.91 0.00	93.11 6.36 0.00	92.30 5.40 0.00	87.18 4.63 0.00	74.61 3.55 0.00	54.99 2.56 -3.40
WM_FLOYD_69_KV_BK2 356380	49.40 2.46 0.00	37.59 2.09 -1.82	37.24 1.90 0.00	34.96 1.69 0.00	33.35 1.61 0.00	33.64 1.48 0.00	34.01 1.54 0.00	37.85 1.11 -0.34	33.08 0.89 -0.02	45.00 0.82 -1.16	51.43 2.12 -0.69	53.81 1.64 -2.41	54.35 1.63 -0.96	55.32 1.75 -1.67	58.93 1.50 0.01	57.55 2.71 -0.02	66.16 5.92 1.24	83.51 5.92 3.89	86.84 5.21 4.18	88.51 4.62 2.85	90.55 3.66 0.00	85.72 3.18 0.00	72.30 1.79 0.53	53.35 1.48 -2.84
WOODARD___115KV_TB2 355635	47.15 0.04 -0.16	33.66 -0.03 0.00	35.29 -0.05 0.00	33.20 -0.07 0.00	31.66 -0.08 0.00	32.01 -0.15 0.00	32.35 -0.12 0.00	36.31 -0.08 0.00	32.15 -0.02 0.00	42.97 -0.05 0.00	48.61 -0.01 0.00	49.91 0.15 0.00	52.12 0.35 0.00	52.23 0.32 0.00	57.93 0.43 -0.06	55.24 0.41 -0.02	65.17 0.61 -0.06	84.21 0.80 -1.93	88.87 1.19 -1.87	87.84 0.98 -0.11	88.26 0.72 -0.65	84.12 0.50 -1.06	72.23 0.33 -0.84	49.28 0.26 0.00
WOODMERE_69_KV_BK1 55827	50.35 3.41 0.00	38.04 2.53 -1.82	37.73 2.39 0.00	35.46 2.19 0.00	33.81 2.07 0.00	34.13 1.97 0.00	34.52 2.05 0.00	38.62 1.88 -0.34	33.77 1.58 -0.02	46.02 1.84 -1.16	52.17 2.86 -0.69	54.81 2.64 -2.41	55.48 2.75 -0.96	56.44 2.87 -1.67	60.27 2.83 0.00	58.39 3.55 -0.02	69.00 4.16 -0.34	90.70 6.58 -2.64	94.06 6.67 -1.58	92.92 6.17 0.00	92.23 5.34 0.00	87.23 4.68 0.00	74.31 3.26 0.00	54.96 2.53 -3.41
YORK___WARBASSE 23770	49.61 2.67 0.00	37.73 2.22 -1.82	37.40 2.06 0.00	35.20 1.93 0.00	33.59 1.84 0.00	33.93 1.77 0.00	34.32 1.85 0.00	38.51 1.77 -0.34	33.79 1.60 -0.02	45.91 1.74 -1.16	51.20 1.89 -0.69	54.06 1.89 -2.41	54.54 1.81 -0.96	55.42 1.84 -1.67	59.37 1.94 0.00	57.38 2.53 -0.02	67.95 3.31 -0.15	86.60 5.12 0.00	91.52 5.72 0.00	91.95 5.20 0.00	91.14 4.25 0.00	86.07 3.52 0.00	73.73 2.68 0.00	54.60 2.17 -3.42