

# Day Ahead Market Generator LBMP

		--- LBMP \$										--- Marginal Cost of Losses										--- Marginal Cost of Congestion											
Generator Data																									06/17/2024								
Name	PTID	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								
59TH STREET_GT_1 24138	EDT	22.50	21.04	18.65	17.91	17.88	20.29	22.97	26.12	27.86	29.13	32.37	34.09	38.37	41.03	43.06	45.61	55.64	71.02	71.13	61.23	52.62	42.95	40.70	34.47								
		1.49	1.43	1.28	1.17	1.17	1.33	1.50	2.05	2.25	2.33	2.62	2.64	2.97	3.04	2.97	2.86	3.49	3.97	3.48	2.85	3.21	2.28	2.56	2.41								
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	-1.95	-1.88	-0.31	0.00	0.00	0.00								
74TH STREET_GT_1 24260	EDT	22.50	21.04	18.65	17.91	17.88	20.28	22.94	26.07	27.81	29.11	32.31	34.06	38.37	40.99	42.98	45.52	55.33	70.44	70.67	60.94	52.38	42.83	40.70	34.40								
		1.49	1.43	1.28	1.17	1.17	1.31	1.48	2.00	2.20	2.30	2.56	2.61	2.97	3.00	2.89	2.78	3.18	3.39	3.03	2.56	2.96	2.16	2.56	2.34								
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	-1.95	-1.88	-0.31	0.00	0.00	0.00	0.00								
74TH STREET_GT_2 24261	EDT	22.50	21.04	18.65	17.91	17.88	20.28	22.94	26.07	27.81	29.11	32.31	34.06	38.37	40.99	42.98	45.52	55.33	70.44	70.67	60.94	52.38	42.83	40.70	34.40								
		1.49	1.43	1.28	1.17	1.17	1.31	1.48	2.00	2.20	2.30	2.56	2.61	2.97	3.00	2.89	2.78	3.18	3.39	3.03	2.56	2.96	2.16	2.56	2.34								
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	-1.95	-1.88	-0.31	0.00	0.00	0.00	0.00								
ADK HUDSON___FALLS 24011	EDT	22.56	21.04	18.60	17.91	17.89	20.28	23.05	25.78	27.55	28.68	31.80	32.80	36.92	39.62	41.98	44.91	54.55	66.12	66.82	60.39	52.13	43.07	40.54	34.02								
		1.55	1.43	1.23	1.17	1.19	1.31	1.59	1.71	1.95	1.88	2.05	1.35	1.52	1.63	1.88	2.18	2.40	2.93	2.89	2.61	2.72	2.40	2.40	1.96								
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	1.90	1.84	0.31	0.00	0.00	0.00	0.00								
ADK RESOURCE___RCVRY 23798	EDT	22.66	21.16	18.70	18.01	17.98	20.39	23.18	25.93	27.73	28.89	31.30	32.96	37.09	39.85	42.26	45.25	55.12	66.93	67.63	60.97	52.73	43.48	40.92	34.27								
		1.66	1.55	1.34	1.27	1.27	1.42	1.72	1.85	2.12	2.09	1.55	1.51	1.70	1.86	2.16	2.52	2.97	3.71	3.68	3.19	3.31	2.80	2.78	2.21								
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	1.88	1.82	0.31	0.00	0.00	0.00	0.00								
ADK S GLENS___FALLS 24028	EDT	22.56	21.04	18.60	17.91	17.89	20.28	23.05	25.78	27.55	28.68	31.80	32.80	36.92	39.62	41.98	44.91	54.55	66.12	66.82	60.39	52.13	43.07	40.54	34.02								
		1.55	1.43	1.23	1.17	1.19	1.31	1.59	1.71	1.95	1.88	2.05	1.35	1.52	1.63	1.88	2.18	2.40	2.93	2.89	2.61	2.72	2.40	2.40	1.96								
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	1.90	1.84	0.31	0.00	0.00	0.00	0.00								
ADK_NYS___DAM 23527	EDT	22.24	20.79	18.44	17.74	17.71	20.11	22.77	25.42	27.07	28.06	31.06	32.58	36.53	39.01	41.17	43.58	53.25	62.03	62.65	58.12	50.65	41.93	39.28	33.34								
		1.24	1.18	1.08	1.00	1.00	1.14	1.31	1.35	1.46	1.26	1.31	1.13	1.13	1.03	1.08	0.85	1.10	1.04	0.85	0.70	1.24	1.26	1.14	1.28								
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	4.11	3.97	0.66	0.00	0.00	0.00	0.00								
AIR_PRODUCTS___DRP 24190	EDT	21.55	20.16	17.87	17.20	17.14	19.42	21.96	24.63	26.22	27.26	30.08	31.64	35.61	38.14	40.25	42.77	52.15	63.18	63.76	57.53	49.51	40.92	38.45	32.41								
		0.55	0.55	0.50	0.47	0.43	0.46	0.49	0.55	0.61	0.46	0.33	0.19	0.21	0.15	0.16	0.04	0.00	-0.33	-0.46	-0.29	0.10	0.24	0.31	0.35								
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	1.60	1.55	0.26	0.00	0.00	0.00	0.00								
AKWESSNE_115KV_BK 355683	EDT	20.56	19.18	16.99	15.28	16.33	17.92	20.94	23.46	24.94	26.00	28.86	30.70	34.47	36.96	38.97	41.67	51.00	64.19	65.17	57.33	48.18	39.57	37.07	31.16								
		-0.44	-0.43	-0.36	-0.37	-0.37	-0.42	-0.52	-0.60	-0.67	-0.80	-0.89	-0.75	-0.92	-1.03	-1.12	-1.07	-1.15	-0.91	-0.59	-0.76	-1.24	-1.10	-1.07	-0.90								
		0.00	0.00	0.01	1.09	0.01	0.63	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00								
ALBANY_1_SOLAR 323833	EDT	21.89	20.45	18.11	17.44	17.39	19.71	22.30	24.92	26.45	27.42	30.23	31.80	35.78	38.33	40.57	43.29	53.03	65.28	66.06	59.25	50.95	42.06	39.44	33.25								
		0.88	0.84	0.75	0.70	0.69	0.74	0.84	0.84	0.84	0.62	0.47	0.35	0.39	0.34	0.48	0.55	0.89	1.23	1.31	1.34	1.53	1.38	1.30	1.19								
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.05	1.02	0.17	0.00	0.00	0.00	0.00								
ALBANY_2_SOLAR 323834	EDT	21.87	20.45	18.11	17.44	17.39	19.71	22.30	24.89	26.45	27.42	30.23	31.80	35.78	38.33	40.57	43.25	53.03	65.22	66.06	59.25	50.90	42.01	39.40	33.25								
		0.86	0.84	0.75	0.70	0.69	0.74	0.84	0.82	0.84	0.62	0.47	0.35	0.39	0.34	0.48	0.51	0.89	1.17	1.31	1.34	1.48	1.34	1.26	1.19								
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.05	1.02	0.17	0.00	0.00	0.00	0.00								
ALBANY___1 23571	EDT	21.55	20.16	17.87	17.20	17.14	19.42	21.96	24.63	26.22	27.26	30.08	31.64	35.61	38.14	40.25	42.77	52.15	63.18	63.76	57.53	49.51	40.92	38.45	32.41								
		0.55	0.55	0.50	0.47	0.43	0.46	0.49	0.55	0.61	0.46	0.33	0.19	0.21	0.15	0.16	0.04	0.00	-0.33	-0.46	-0.29	0.10	0.24	0.31	0.35								
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	1.60	1.55	0.26	0.00	0.00	0.00	0.00								



ALBANY___2 23572	21.55 0.55 0.00	20.16 0.55 0.00	17.87 0.50 0.00	17.20 0.47 0.00	17.14 0.43 0.00	19.42 0.46 0.00	21.96 0.49 0.00	24.63 0.55 0.00	26.22 0.61 0.00	27.26 0.46 0.00	30.08 0.33 0.00	31.64 0.19 0.00	35.61 0.21 0.00	38.14 0.15 0.00	40.25 0.16 0.00	42.77 0.04 0.01	52.15 0.00 0.00	63.18 -0.33 1.60	63.76 -0.46 1.55	57.53 -0.29 0.26	49.51 0.10 0.00	40.92 0.24 0.00	38.45 0.31 0.00	32.41 0.35 0.00
ALBANY___3 23573	21.55 0.55 0.00	20.16 0.55 0.00	17.87 0.50 0.00	17.20 0.47 0.00	17.14 0.43 0.00	19.42 0.46 0.00	21.96 0.49 0.00	24.63 0.55 0.00	26.22 0.61 0.00	27.26 0.46 0.00	30.08 0.33 0.00	31.64 0.19 0.00	35.61 0.21 0.00	38.14 0.15 0.00	40.25 0.16 0.00	42.77 0.04 0.01	52.15 0.00 0.00	63.18 -0.33 1.60	63.76 -0.46 1.55	57.53 -0.29 0.26	49.51 0.10 0.00	40.92 0.24 0.00	38.45 0.31 0.00	32.41 0.35 0.00
ALBANY___4 23574	21.55 0.55 0.00	20.16 0.55 0.00	17.87 0.50 0.00	17.20 0.47 0.00	17.14 0.43 0.00	19.42 0.46 0.00	21.96 0.49 0.00	24.63 0.55 0.00	26.22 0.61 0.00	27.26 0.46 0.00	30.08 0.33 0.00	31.64 0.19 0.00	35.61 0.21 0.00	38.14 0.15 0.00	40.25 0.16 0.00	42.77 0.04 0.01	52.15 0.00 0.00	63.18 -0.33 1.60	63.76 -0.46 1.55	57.53 -0.29 0.26	49.51 0.10 0.00	40.92 0.24 0.00	38.45 0.31 0.00	32.41 0.35 0.00
ALBANY___LFGE 323615	21.74 0.73 0.00	20.34 0.73 0.00	18.01 0.64 0.00	17.34 0.60 0.00	17.29 0.58 0.00	19.57 0.61 0.00	22.15 0.69 0.00	24.82 0.75 0.00	26.48 0.87 0.00	27.53 0.72 0.00	30.40 0.65 0.00	31.98 0.53 0.00	35.99 0.60 0.00	38.56 0.57 0.00	40.73 0.64 0.00	43.33 0.60 0.01	52.93 0.78 0.00	64.14 0.78 1.74	64.74 0.66 1.68	58.38 0.58 0.28	50.30 0.89 0.00	41.49 0.81 0.00	38.94 0.80 0.00	32.86 0.80 0.00
ALCOA_PA_115KV_PL-6C 55860	20.65 -0.36 0.00	19.26 -0.35 0.00	17.06 -0.30 0.01	15.40 -0.28 1.05	16.41 -0.28 0.01	18.02 -0.34 0.61	21.05 -0.41 0.01	23.42 -0.65 0.01	24.89 -0.72 0.00	25.92 -0.88 0.00	28.77 -0.98 0.00	30.73 -0.72 0.00	34.47 -0.92 0.00	36.92 -1.06 0.00	38.81 -1.28 0.00	41.67 -1.07 0.00	51.05 -1.10 0.00	64.51 -0.59 0.00	65.57 -0.20 0.00	57.67 -0.41 0.00	48.03 -1.38 0.00	39.49 -1.18 0.00	37.04 -1.11 0.00	31.13 -0.93 0.00
ALCOA_RYNLDS___DRP 24188	20.65 -0.36 0.00	19.26 -0.35 0.00	17.06 -0.30 0.01	15.40 -0.28 1.05	16.41 -0.28 0.01	18.02 -0.34 0.61	21.05 -0.41 0.01	23.42 -0.65 0.01	24.89 -0.72 0.00	25.92 -0.88 0.00	28.77 -0.98 0.00	30.73 -0.72 0.00	34.47 -0.92 0.00	36.92 -1.06 0.00	38.81 -1.28 0.00	41.67 -1.07 0.00	51.05 -1.10 0.00	64.51 -0.59 0.00	65.57 -0.20 0.00	57.67 -0.41 0.00	48.03 -1.38 0.00	39.49 -1.18 0.00	37.04 -1.11 0.00	31.13 -0.93 0.00
ALCOA___DSASP 323711	20.65 -0.36 0.00	19.26 -0.35 0.00	17.06 -0.30 0.01	15.40 -0.28 1.05	16.41 -0.28 0.01	18.02 -0.34 0.61	21.05 -0.41 0.01	23.39 -0.67 0.01	24.89 -0.72 0.00	25.92 -0.88 0.00	28.77 -0.98 0.00	30.73 -0.72 0.00	34.47 -0.92 0.00	36.92 -1.06 0.00	38.81 -1.28 0.00	41.67 -1.07 0.00	50.74 -1.41 0.00	63.99 -1.11 0.00	64.98 -0.79 0.00	57.27 -0.81 0.00	47.68 -1.73 0.00	39.33 -1.34 0.00	36.84 -1.30 0.00	31.00 -1.06 0.00
ALLEGHENY___COGEN 23514	21.21 0.21 0.00	19.75 0.14 0.00	17.43 0.07 0.00	16.87 0.13 0.00	16.89 0.18 0.00	19.40 0.44 0.00	22.21 0.75 0.00	24.67 0.60 0.00	26.20 0.59 0.00	27.82 1.02 0.00	30.79 1.04 0.00	32.39 0.94 0.00	36.60 1.20 0.00	39.81 1.82 0.00	41.46 1.36 0.00	44.53 1.79 0.00	55.02 2.87 0.00	69.39 4.30 0.00	71.51 5.72 -0.02	64.20 6.10 -0.02	54.55 5.14 0.00	44.82 4.15 0.00	42.95 4.81 0.00	35.20 3.14 0.00
ALTAMONT_115KV_TB 2 55880	21.68 0.67 0.00	20.26 0.65 0.00	17.94 0.57 0.00	17.27 0.54 0.00	17.22 0.52 0.00	19.54 0.57 0.00	22.11 0.64 0.00	24.82 0.75 0.00	26.40 0.79 0.00	27.50 0.70 0.00	30.49 0.74 0.00	32.08 0.63 0.00	36.10 0.71 0.00	38.67 0.68 0.00	40.81 0.72 0.00	43.42 0.68 0.00	52.88 0.73 0.00	64.68 0.65 1.07	65.26 0.53 1.03	58.49 0.58 0.18	50.20 0.79 0.00	41.44 0.77 0.00	38.94 0.80 0.00	32.83 0.77 0.00
ALTONA_WT_PWR 323606	20.73 -0.27 0.00	19.20 -0.41 0.00	16.90 -0.45 0.01	15.12 -0.54 1.08	16.21 -0.49 0.01	17.72 -0.63 0.62	20.81 -0.64 0.01	23.44 -0.63 0.01	24.86 -0.74 0.00	25.94 -0.86 0.00	29.04 -0.71 0.00	31.01 -0.44 0.00	34.83 -0.57 0.00	37.34 -0.65 0.00	39.33 -0.76 0.00	41.97 -0.77 0.00	48.81 -3.34 0.00	60.28 -4.82 0.00	61.69 -4.08 0.00	54.48 -3.60 0.00	45.41 -4.00 0.00	38.31 -2.36 0.00	35.62 -2.52 0.00	29.85 -2.21 0.00
AMERICAN_REF_FUEL 24010	19.85 -1.16 0.00	18.55 -1.06 0.00	16.37 -0.99 0.00	15.92 -0.82 0.00	15.92 -0.78 0.00	18.32 -0.64 0.00	21.01 -0.45 0.00	23.13 -0.94 0.00	24.94 -0.67 0.00	26.91 0.11 0.00	30.23 0.47 0.00	32.02 0.57 0.00	36.14 0.74 0.00	39.39 1.41 0.00	42.14 2.04 0.00	45.13 2.39 0.00	55.28 3.13 0.00	68.74 3.64 0.00	69.27 3.48 -0.02	61.65 3.54 -0.02	51.88 2.47 0.00	42.87 2.19 0.00	40.28 2.13 0.00	33.18 1.12 0.00
ARKWRIGHT___SUMMIT_WT_PWR 323751	20.06 -0.94 0.00	18.69 -0.92 0.00	16.57 -0.80 0.00	16.20 -0.54 0.00	16.24 -0.47 0.00	18.68 -0.28 0.00	21.55 0.09 0.00	23.91 -0.17 0.00	25.99 0.38 0.00	28.14 1.34 0.00	31.74 1.99 0.00	33.74 2.29 0.00	38.16 2.76 0.00	41.75 3.76 0.00	44.62 4.53 0.00	47.86 5.13 0.00	58.83 6.68 0.00	73.17 8.07 0.00	73.61 7.82 -0.03	65.02 6.91 -0.03	55.05 5.63 0.00	45.27 4.59 0.00	42.26 4.12 0.00	34.66 2.60 0.00
ARTHUR KILL_GT_1 23520	22.37 1.36 0.00	20.91 1.29 0.00	18.48 1.11 0.00	17.71 0.97 0.00	17.67 0.97 0.00	19.97 1.00 0.00	22.53 1.07 0.01	25.68 1.61 0.01	27.47 1.87 0.01	28.72 1.93 0.01	31.89 2.14 0.01	33.64 2.20 0.01	37.94 2.55 0.01	40.56 2.58 0.01	42.53 2.45 0.01	45.04 2.31 0.00	54.59 2.45 0.01	65.63 2.86 2.33	61.98 2.36 6.15	52.22 1.86 7.72	46.06 2.57 5.92	42.41 1.75 0.01	40.34 2.21 0.01	34.27 2.21 0.00
ARTHUR_KILL_2 23512	22.31 1.30 0.00	20.85 1.24 0.00	18.42 1.06 0.00	17.67 0.94 0.00	17.62 0.92 0.00	19.92 0.95 0.00	22.49 1.03 0.01	25.61 1.54 0.01	27.37 1.77 0.01	28.64 1.85 0.01	31.79 2.05 0.01	33.52 2.08 0.01	37.83 2.44 0.01	40.41 2.43 0.01	42.37 2.28 0.01	44.87 2.14 0.00	54.38 2.24 0.01	65.30 2.54 2.33	61.72 2.10 6.15	51.93 1.57 7.72	45.81 2.32 5.92	42.25 1.58 0.01	40.23 2.10 0.01	34.18 2.12 0.00
ARTHUR_KILL_3 23513	22.33 1.32 0.00	20.89 1.27 0.00	18.53 1.16 0.00	17.81 1.07 0.00	17.76 1.05 0.00	20.14 1.18 0.00	22.77 1.31 0.00	25.85 1.78 0.00	27.61 2.00 0.00	28.87 2.06 0.00	32.04 2.29 0.00	33.74 2.29 0.00	38.01 2.62 0.00	40.53 2.55 0.00	42.42 2.32 0.00	44.88 2.14 -0.01	54.65 2.50 0.00	65.57 2.80 2.32	61.93 2.30 6.14	52.17 1.80 7.71	45.87 2.37 5.92	42.38 1.71 0.00	40.24 2.10 0.00	34.14 2.08 0.00



ARTHUR_KILL_COGEN 323718	22.37 1.36 0.00	20.91 1.29 0.00	18.48 1.11 0.00	17.71 0.97 0.00	17.67 0.97 0.00	19.97 1.00 0.00	22.53 1.07 0.01	25.68 1.61 0.01	27.47 1.87 0.01	28.72 1.93 0.01	31.89 2.14 0.01	33.64 2.20 0.01	37.94 2.55 0.01	40.56 2.58 0.01	42.53 2.45 0.01	45.04 2.31 0.00	54.59 2.45 0.01	65.63 2.86 2.33	61.98 2.36 6.15	52.22 1.86 7.72	46.06 2.57 5.92	42.41 1.75 0.01	40.34 2.21 0.01	34.27 2.21 0.00
ASHOKAN____ 23654	22.10 1.09 0.00	20.59 0.98 0.00	18.20 0.83 0.00	17.51 0.77 0.00	17.48 0.77 0.00	19.75 0.78 0.00	22.37 0.90 0.00	25.06 0.99 0.00	26.68 1.08 0.00	27.68 0.88 0.00	30.70 0.95 0.00	32.27 0.82 0.00	36.42 1.03 0.00	38.97 0.99 0.00	41.26 1.16 0.00	44.10 1.37 0.00	54.24 2.09 0.00	69.79 4.69 0.00	70.70 4.93 0.01	60.81 2.73 0.01	52.23 2.82 0.00	42.87 2.19 0.00	39.97 1.83 0.00	33.69 1.63 0.00
ASTORIA_EAST_ENERGY_CC1 323581	22.59 1.58 -0.01	21.15 1.53 -0.01	18.68 1.32 0.00	17.91 1.17 0.00	17.88 1.17 0.00	20.20 1.23 0.00	22.80 1.33 0.00	25.82 1.76 0.01	27.57 1.97 0.01	28.83 2.04 0.01	32.00 2.26 0.01	33.71 2.27 0.01	37.97 2.58 0.01	40.56 2.58 0.01	42.45 2.36 0.01	44.87 2.14 0.00	54.59 2.45 0.01	69.84 2.80 -1.95	70.00 2.36 -1.87	60.24 1.86 -0.30	51.78 2.37 0.01	42.29 1.63 0.01	40.51 2.37 0.00	34.40 2.34 0.00
ASTORIA_EAST_ENERGY_CC2 323582	22.59 1.58 -0.01	21.13 1.51 -0.01	18.68 1.32 0.00	17.91 1.17 0.00	17.88 1.17 0.00	20.20 1.23 0.00	22.80 1.33 0.00	25.82 1.76 0.01	27.57 1.97 0.01	28.83 2.04 0.01	32.00 2.26 0.01	33.71 2.27 0.01	37.97 2.58 0.01	40.56 2.58 0.01	42.45 2.36 0.01	44.87 2.14 0.00	54.59 2.45 0.01	69.84 2.80 -1.95	70.00 2.36 -1.87	60.24 1.86 -0.30	51.78 2.37 0.01	42.29 1.63 0.01	40.51 2.37 0.00	34.40 2.34 0.00
ASTORIA_GT2_1 24094	22.59 1.58 -0.01	21.15 1.53 -0.01	18.68 1.32 0.00	17.91 1.17 0.00	17.88 1.17 0.00	20.22 1.25 0.00	22.82 1.35 0.00	25.85 1.78 0.00	27.58 1.97 0.00	28.84 2.04 0.00	32.01 2.26 0.00	33.75 2.30 0.00	38.05 2.65 0.00	40.65 2.66 0.00	42.50 2.41 0.00	44.92 2.18 -0.01	54.49 2.35 0.01	69.45 2.41 -1.95	69.68 2.04 -1.87	60.12 1.74 -0.30	51.59 2.17 0.00	42.22 1.55 0.00	40.54 2.40 0.00	34.37 2.31 0.00
ASTORIA_GT2_2 24095	22.59 1.58 -0.01	21.15 1.53 -0.01	18.68 1.32 0.00	17.91 1.17 0.00	17.88 1.17 0.00	20.22 1.25 0.00	22.82 1.35 0.00	25.85 1.78 0.00	27.58 1.97 0.00	28.84 2.04 0.00	32.01 2.26 0.00	33.75 2.30 0.00	38.05 2.65 0.00	40.65 2.66 0.00	42.50 2.41 0.00	44.92 2.18 -0.01	54.49 2.35 0.01	69.45 2.41 -1.95	69.68 2.04 -1.87	60.12 1.74 -0.30	51.59 2.17 0.00	42.22 1.55 0.00	40.54 2.40 0.00	34.37 2.31 0.00
ASTORIA_GT2_3 24096	22.59 1.58 -0.01	21.15 1.53 -0.01	18.68 1.32 0.00	17.91 1.17 0.00	17.88 1.17 0.00	20.22 1.25 0.00	22.82 1.35 0.00	25.85 1.78 0.00	27.58 1.97 0.00	28.84 2.04 0.00	32.01 2.26 0.00	33.75 2.30 0.00	38.05 2.65 0.00	40.65 2.66 0.00	42.50 2.41 0.00	44.92 2.18 -0.01	54.49 2.35 0.01	69.45 2.41 -1.95	69.68 2.04 -1.87	60.12 1.74 -0.30	51.59 2.17 0.00	42.22 1.55 0.00	40.54 2.40 0.00	34.37 2.31 0.00
ASTORIA_GT2_4 24097	22.59 1.58 -0.01	21.15 1.53 -0.01	18.68 1.32 0.00	17.91 1.17 0.00	17.88 1.17 0.00	20.22 1.25 0.00	22.82 1.35 0.00	25.85 1.78 0.00	27.58 1.97 0.00	28.84 2.04 0.00	32.01 2.26 0.00	33.75 2.30 0.00	38.05 2.65 0.00	40.65 2.66 0.00	42.50 2.41 0.00	44.92 2.18 -0.01	54.49 2.35 0.01	69.45 2.41 -1.95	69.68 2.04 -1.87	60.12 1.74 -0.30	51.59 2.17 0.00	42.22 1.55 0.00	40.54 2.40 0.00	34.37 2.31 0.00
ASTORIA_GT3_1 24098	22.59 1.58 -0.01	21.15 1.53 -0.01	18.68 1.32 0.00	17.91 1.17 0.00	17.88 1.17 0.00	20.22 1.25 0.00	22.82 1.35 0.00	25.85 1.78 0.00	27.58 1.97 0.00	28.84 2.04 0.00	32.01 2.26 0.00	33.75 2.30 0.00	38.05 2.65 0.00	40.65 2.66 0.00	42.50 2.41 0.00	44.92 2.18 -0.01	54.49 2.35 0.01	69.45 2.41 -1.95	69.68 2.04 -1.87	60.12 1.74 -0.30	51.59 2.17 0.00	42.22 1.55 0.00	40.54 2.40 0.00	34.37 2.31 0.00
ASTORIA_GT3_2 24099	22.59 1.58 -0.01	21.15 1.53 -0.01	18.68 1.32 0.00	17.91 1.17 0.00	17.88 1.17 0.00	20.22 1.25 0.00	22.82 1.35 0.00	25.85 1.78 0.00	27.58 1.97 0.00	28.84 2.04 0.00	32.01 2.26 0.00	33.75 2.30 0.00	38.05 2.65 0.00	40.65 2.66 0.00	42.50 2.41 0.00	44.92 2.18 -0.01	54.49 2.35 0.01	69.45 2.41 -1.95	69.68 2.04 -1.87	60.12 1.74 -0.30	51.59 2.17 0.00	42.22 1.55 0.00	40.54 2.40 0.00	34.37 2.31 0.00
ASTORIA_GT3_3 24100	22.59 1.58 -0.01	21.15 1.53 -0.01	18.68 1.32 0.00	17.91 1.17 0.00	17.88 1.17 0.00	20.22 1.25 0.00	22.82 1.35 0.00	25.85 1.78 0.00	27.58 1.97 0.00	28.84 2.04 0.00	32.01 2.26 0.00	33.75 2.30 0.00	38.05 2.65 0.00	40.65 2.66 0.00	42.50 2.41 0.00	44.92 2.18 -0.01	54.49 2.35 0.01	69.45 2.41 -1.95	69.68 2.04 -1.87	60.12 1.74 -0.30	51.59 2.17 0.00	42.22 1.55 0.00	40.54 2.40 0.00	34.37 2.31 0.00
ASTORIA_GT3_4 24101	22.59 1.58 -0.01	21.15 1.53 -0.01	18.68 1.32 0.00	17.91 1.17 0.00	17.88 1.17 0.00	20.22 1.25 0.00	22.82 1.35 0.00	25.85 1.78 0.00	27.58 1.97 0.00	28.84 2.04 0.00	32.01 2.26 0.00	33.75 2.30 0.00	38.05 2.65 0.00	40.65 2.66 0.00	42.50 2.41 0.00	44.92 2.18 -0.01	54.49 2.35 0.01	69.45 2.41 -1.95	69.68 2.04 -1.87	60.12 1.74 -0.30	51.59 2.17 0.00	42.22 1.55 0.00	40.54 2.40 0.00	34.37 2.31 0.00
ASTORIA_GT4_1 24102	22.59 1.58 -0.01	21.15 1.53 -0.01	18.68 1.32 0.00	17.91 1.17 0.00	17.88 1.17 0.00	20.22 1.25 0.00	22.82 1.35 0.00	25.85 1.78 0.00	27.58 1.97 0.00	28.84 2.04 0.00	32.01 2.26 0.00	33.75 2.30 0.00	38.05 2.65 0.00	40.65 2.66 0.00	42.50 2.41 0.00	44.92 2.18 -0.01	54.49 2.35 0.01	69.45 2.41 -1.95	69.68 2.04 -1.87	60.12 1.74 -0.30	51.59 2.17 0.00	42.22 1.55 0.00	40.54 2.40 0.00	34.37 2.31 0.00
ASTORIA_GT4_2 24103	22.59 1.58 -0.01	21.15 1.53 -0.01	18.68 1.32 0.00	17.91 1.17 0.00	17.88 1.17 0.00	20.22 1.25 0.00	22.82 1.35 0.00	25.85 1.78 0.00	27.58 1.97 0.00	28.84 2.04 0.00	32.01 2.26 0.00	33.75 2.30 0.00	38.05 2.65 0.00	40.65 2.66 0.00	42.50 2.41 0.00	44.92 2.18 -0.01	54.49 2.35 0.01	69.45 2.41 -1.95	69.68 2.04 -1.87	60.12 1.74 -0.30	51.59 2.17 0.00	42.22 1.55 0.00	40.54 2.40 0.00	34.37 2.31 0.00
ASTORIA_GT4_3 24104	22.59 1.58 -0.01	21.15 1.53 -0.01	18.68 1.32 0.00	17.91 1.17 0.00	17.88 1.17 0.00	20.22 1.25 0.00	22.82 1.35 0.00	25.85 1.78 0.00	27.58 1.97 0.00	28.84 2.04 0.00	32.01 2.26 0.00	33.75 2.30 0.00	38.05 2.65 0.00	40.65 2.66 0.00	42.50 2.41 0.00	44.92 2.18 -0.01	54.49 2.35 0.01	69.45 2.41 -1.95	69.68 2.04 -1.87	60.12 1.74 -0.30	51.59 2.17 0.00	42.22 1.55 0.00	40.54 2.40 0.00	34.37 2.31 0.00



ASTORIA_GT4_4 24105	22.59 1.58 -0.01	21.15 1.53 -0.01	18.68 1.32 0.00	17.91 1.17 0.00	17.88 1.17 0.00	20.22 1.25 0.00	22.82 1.35 0.00	25.85 1.78 0.00	27.58 1.97 0.00	28.84 2.04 0.00	32.01 2.26 0.00	33.75 2.30 0.00	38.05 2.65 0.00	40.65 2.66 0.00	42.50 2.41 0.00	44.92 2.18 -0.01	54.49 2.35 0.01	69.45 2.41 -1.95	69.68 2.04 -1.87	60.12 1.74 -0.30	51.59 2.17 0.00	42.22 1.55 0.00	40.54 2.40 0.00	34.37 2.31 0.00
ASTORIA_GT_1 23523	22.63 1.62 -0.01	21.17 1.55 -0.01	18.72 1.36 0.00	17.94 1.21 0.00	17.91 1.20 0.00	20.24 1.27 0.00	22.84 1.37 0.00	25.89 1.83 0.01	27.62 2.02 0.01	28.91 2.12 0.01	32.09 2.35 0.01	33.80 2.36 0.01	38.07 2.69 0.01	40.68 2.70 0.01	42.57 2.49 0.01	45.00 2.26 0.00	54.75 2.61 0.01	70.04 3.00 -1.95	70.20 2.56 -1.87	60.41 2.03 -0.30	51.93 2.52 0.01	42.41 1.75 0.01	40.62 2.48 0.00	34.50 2.44 0.00
ASTORIA_GT_10 24110	22.41 1.41 0.00	20.98 1.37 0.00	18.58 1.22 0.00	17.82 1.09 0.00	17.79 1.09 0.00	20.14 1.18 0.00	22.75 1.29 0.00	25.88 1.81 0.00	27.61 2.00 0.00	28.87 2.06 0.00	32.04 2.29 0.00	33.78 2.33 0.00	38.08 2.69 0.00	40.68 2.70 0.00	42.54 2.45 0.00	44.97 2.22 -0.01	54.54 2.40 0.01	69.45 2.41 -1.95	69.61 1.97 -1.87	60.06 1.68 -0.30	51.64 2.22 0.00	42.30 1.63 0.00	40.43 2.29 0.00	34.21 2.15 0.00
ASTORIA_GT_11 24225	22.41 1.41 0.00	20.98 1.37 0.00	18.58 1.22 0.00	17.82 1.09 0.00	17.79 1.09 0.00	20.14 1.18 0.00	22.75 1.29 0.00	25.88 1.81 0.00	27.61 2.00 0.00	28.87 2.06 0.00	32.04 2.29 0.00	33.78 2.33 0.00	38.08 2.69 0.00	40.68 2.70 0.00	42.54 2.45 0.00	44.97 2.22 -0.01	54.54 2.40 0.01	69.45 2.41 -1.95	69.61 1.97 -1.87	60.06 1.68 -0.30	51.64 2.22 0.00	42.30 1.63 0.00	40.43 2.29 0.00	34.21 2.15 0.00
ASTORIA_GT_12 24226	22.41 1.41 0.00	20.98 1.37 0.00	18.58 1.22 0.00	17.82 1.09 0.00	17.79 1.09 0.00	20.14 1.18 0.00	22.75 1.29 0.00	25.88 1.81 0.00	27.61 2.00 0.00	28.87 2.06 0.00	32.04 2.29 0.00	33.78 2.33 0.00	38.08 2.69 0.00	40.68 2.70 0.00	42.54 2.45 0.00	44.97 2.22 -0.01	54.54 2.40 0.01	69.45 2.41 -1.95	69.61 1.97 -1.87	60.06 1.68 -0.30	51.64 2.22 0.00	42.30 1.63 0.00	40.43 2.29 0.00	34.21 2.15 0.00
ASTORIA_GT_13 24227	22.41 1.41 0.00	20.98 1.37 0.00	18.58 1.22 0.00	17.82 1.09 0.00	17.79 1.09 0.00	20.14 1.18 0.00	22.75 1.29 0.00	25.88 1.81 0.00	27.61 2.00 0.00	28.87 2.06 0.00	32.04 2.29 0.00	33.78 2.33 0.00	38.08 2.69 0.00	40.68 2.70 0.00	42.54 2.45 0.00	44.97 2.22 -0.01	54.54 2.40 0.01	69.45 2.41 -1.95	69.61 1.97 -1.87	60.06 1.68 -0.30	51.64 2.22 0.00	42.30 1.63 0.00	40.43 2.29 0.00	34.21 2.15 0.00
ASTORIA_GT_5 24106	22.63 1.62 -0.01	21.19 1.57 -0.01	18.72 1.35 0.00	17.94 1.20 0.00	17.91 1.20 0.00	20.24 1.27 0.00	22.84 1.37 0.00	25.90 1.83 0.00	27.63 2.02 0.00	28.92 2.12 0.00	32.07 2.32 0.00	33.81 2.36 0.00	38.12 2.73 0.00	40.72 2.74 0.00	42.58 2.49 0.00	45.01 2.27 -0.01	54.64 2.50 0.01	69.65 2.60 -1.95	69.87 2.24 -1.87	60.30 1.92 -0.30	51.74 2.32 0.00	42.30 1.63 0.00	40.62 2.48 0.00	34.43 2.37 0.00
ASTORIA_GT_7 24107	22.63 1.62 -0.01	21.19 1.57 -0.01	18.72 1.35 0.00	17.94 1.20 0.00	17.91 1.20 0.00	20.24 1.27 0.00	22.84 1.37 0.00	25.90 1.83 0.00	27.63 2.02 0.00	28.92 2.12 0.00	32.07 2.32 0.00	33.81 2.36 0.00	38.12 2.73 0.00	40.72 2.74 0.00	42.58 2.49 0.00	45.01 2.27 -0.01	54.64 2.50 0.01	69.65 2.60 -1.95	69.87 2.24 -1.87	60.30 1.92 -0.30	51.74 2.32 0.00	42.30 1.63 0.00	40.62 2.48 0.00	34.43 2.37 0.00
ASTORIA_GT_8 24108	22.63 1.62 -0.01	21.19 1.57 -0.01	18.72 1.35 0.00	17.94 1.20 0.00	17.91 1.20 0.00	20.24 1.27 0.00	22.84 1.37 0.00	25.90 1.83 0.00	27.63 2.02 0.00	28.92 2.12 0.00	32.07 2.32 0.00	33.81 2.36 0.00	38.12 2.73 0.00	40.72 2.74 0.00	42.58 2.49 0.00	45.01 2.27 -0.01	54.64 2.50 0.01	69.65 2.60 -1.95	69.87 2.24 -1.87	60.30 1.92 -0.30	51.74 2.32 0.00	42.30 1.63 0.00	40.62 2.48 0.00	34.43 2.37 0.00
ASTORIA___2 24149	22.59 1.58 -0.01	21.15 1.53 -0.01	18.68 1.32 0.00	17.91 1.17 0.00	17.88 1.17 0.00	20.22 1.25 0.00	22.82 1.35 0.00	25.85 1.78 0.01	27.57 1.97 0.01	28.83 2.04 0.01	32.03 2.29 0.01	33.74 2.29 0.01	38.00 2.62 0.01	40.56 2.58 0.01	42.49 2.41 0.01	44.91 2.18 0.00	54.59 2.45 0.01	69.84 2.80 -1.95	70.00 2.36 -1.87	60.24 1.86 -0.30	51.78 2.37 0.01	42.29 1.63 0.01	40.55 2.40 0.00	34.43 2.37 0.00
ASTORIA___3 23516	22.41 1.41 0.00	20.98 1.37 0.00	18.58 1.22 0.00	17.82 1.09 0.00	17.79 1.09 0.00	20.14 1.18 0.00	22.75 1.29 0.00	25.85 1.78 0.00	27.61 2.00 0.00	28.87 2.06 0.00	32.04 2.29 0.00	33.78 2.33 0.00	38.05 2.66 0.00	40.65 2.66 0.00	42.54 2.45 0.00	44.96 2.22 -0.01	54.64 2.50 0.01	69.84 2.80 -1.95	69.94 2.30 -1.87	60.18 1.80 -0.30	51.83 2.42 0.00	42.42 1.75 0.00	40.43 2.29 0.00	34.27 2.21 0.00
ASTORIA___4 23517	22.41 1.41 0.00	20.98 1.37 0.00	18.58 1.22 0.00	17.82 1.09 0.00	17.79 1.09 0.00	20.14 1.18 0.00	22.75 1.29 0.00	25.88 1.81 0.00	27.61 2.00 0.00	28.87 2.06 0.00	32.04 2.29 0.00	33.78 2.33 0.00	38.08 2.69 0.00	40.68 2.70 0.00	42.54 2.45 0.00	44.97 2.22 -0.01	54.49 2.35 0.01	69.45 2.41 -1.95	69.61 1.97 -1.87	60.06 1.68 -0.30	51.64 2.22 0.00	42.30 1.63 0.00	40.43 2.29 0.00	34.21 2.15 0.00
ASTORIA___5 23518	22.41 1.41 0.00	20.98 1.37 0.00	18.58 1.22 0.00	17.82 1.09 0.00	17.79 1.09 0.00	20.14 1.18 0.00	22.75 1.29 0.00	25.85 1.78 0.00	27.61 2.00 0.00	28.87 2.06 0.00	32.04 2.29 0.00	33.78 2.33 0.00	38.05 2.66 0.00	40.65 2.66 0.00	42.54 2.45 0.00	44.96 2.22 -0.01	54.64 2.50 0.01	69.84 2.80 -1.95	69.94 2.30 -1.87	60.18 1.80 -0.30	51.83 2.42 0.00	42.42 1.75 0.00	40.43 2.29 0.00	34.27 2.21 0.00
AST_ENERGY_2_CC3 323677	22.35 1.35 0.00	20.95 1.33 0.00	18.55 1.18 0.00	17.82 1.09 0.00	17.79 1.09 0.00	20.16 1.20 0.00	22.80 1.33 0.00	25.88 1.81 0.00	27.61 2.00 0.00	28.87 2.06 0.00	32.04 2.29 0.00	33.74 2.29 0.00	37.98 2.58 0.00	40.57 2.58 0.00	42.54 2.45 0.00	45.05 2.31 -0.01	54.91 2.76 0.00	70.18 3.12 -1.95	70.28 2.63 -1.88	60.47 2.09 -0.31	52.03 2.62 0.00	42.54 1.87 0.00	40.35 2.21 0.00	34.21 2.15 0.00
AST_ENERGY_2_CC4 323678	22.35 1.35 0.00	20.95 1.33 0.00	18.55 1.18 0.00	17.82 1.09 0.00	17.79 1.09 0.00	20.16 1.20 0.00	22.80 1.33 0.00	25.88 1.81 0.00	27.61 2.00 0.00	28.87 2.06 0.00	32.04 2.29 0.00	33.74 2.29 0.00	37.98 2.58 0.00	40.57 2.58 0.00	42.54 2.45 0.00	45.05 2.31 -0.01	54.91 2.76 0.00	70.18 3.12 -1.95	70.28 2.63 -1.88	60.47 2.09 -0.31	52.03 2.62 0.00	42.54 1.87 0.00	40.35 2.21 0.00	34.21 2.15 0.00



ATHENS_STG_1 23668	21.74 0.73 0.00	20.32 0.70 0.00	18.01 0.64 0.00	17.32 0.59 0.00	17.29 0.58 0.00	19.61 0.65 0.00	22.19 0.73 0.00	24.94 0.87 0.00	26.56 0.95 0.00	27.71 0.91 0.00	30.73 0.98 0.00	32.39 0.94 0.00	36.42 1.03 0.00	38.97 0.99 0.00	41.05 0.96 0.00	43.64 0.90 0.00	53.19 1.04 0.00	66.77 0.91 -0.76	67.21 0.72 -0.72	58.78 0.58 -0.11	50.40 0.99 0.00	41.49 0.81 0.00	39.05 0.91 0.00	33.02 0.96 0.00
ATHENS_STG_2 23670	21.74 0.73 0.00	20.32 0.70 0.00	18.01 0.64 0.00	17.32 0.59 0.00	17.29 0.58 0.00	19.61 0.65 0.00	22.19 0.73 0.00	24.94 0.87 0.00	26.56 0.95 0.00	27.71 0.91 0.00	30.73 0.98 0.00	32.39 0.94 0.00	36.42 1.03 0.00	38.97 0.99 0.00	41.05 0.96 0.00	43.64 0.90 0.00	53.19 1.04 0.00	66.77 0.91 -0.76	67.21 0.72 -0.72	58.78 0.58 -0.11	50.40 0.99 0.00	41.49 0.81 0.00	39.05 0.91 0.00	33.02 0.96 0.00
ATHENS_STG_3 23677	21.74 0.73 0.00	20.32 0.70 0.00	18.01 0.64 0.00	17.32 0.59 0.00	17.29 0.58 0.00	19.61 0.65 0.00	22.19 0.73 0.00	24.94 0.87 0.00	26.56 0.95 0.00	27.71 0.91 0.00	30.73 0.98 0.00	32.39 0.94 0.00	36.42 1.03 0.00	38.97 0.99 0.00	41.05 0.96 0.00	43.64 0.90 0.00	53.19 1.04 0.00	66.77 0.91 -0.76	67.21 0.72 -0.72	58.78 0.58 -0.11	50.40 0.99 0.00	41.49 0.81 0.00	39.05 0.91 0.00	33.02 0.96 0.00
AUBURN___LFGE 323710	21.03 0.02 0.00	19.61 0.00 0.00	17.36 0.00 0.00	16.72 -0.02 0.00	16.74 0.03 0.00	19.08 0.11 0.00	21.68 0.21 0.00	24.27 0.19 0.00	25.91 0.28 -0.02	27.69 0.54 -0.35	30.76 0.68 -0.33	32.84 0.79 -0.60	37.54 0.92 -1.23	40.78 1.14 -1.65	43.55 1.48 -1.98	46.83 1.71 -2.38	58.26 2.24 -3.87	74.01 2.99 -5.92	74.85 3.03 -6.06	65.96 2.85 -5.03	55.18 2.27 -3.49	44.57 1.79 -2.10	41.23 1.37 -1.72	33.70 0.90 -0.74
BABYLON_RES_REC 323704	32.26 1.83 -9.43	28.99 1.74 -7.63	23.95 1.56 -5.03	23.94 1.46 -5.75	24.53 1.45 -6.37	27.75 1.63 -7.15	32.11 1.87 -8.78	32.96 2.33 -6.55	33.11 2.54 -4.97	33.32 2.63 -3.89	43.45 2.83 -10.87	44.19 2.80 -9.94	45.13 3.15 -6.58	46.12 3.19 -4.94	48.14 3.13 -4.92	66.44 3.21 -20.49	78.41 3.91 -22.35	98.96 4.69 -29.17	95.82 4.34 -25.71	79.24 3.54 -17.61	63.36 3.71 -10.24	67.14 2.85 -23.62	43.58 3.43 -2.00	35.22 3.14 -0.02
BABYLON__69_KV_BK2 356345	32.49 2.06 -9.43	29.20 1.96 -7.63	24.13 1.74 -5.03	24.12 1.64 -5.75	24.71 1.64 -6.37	27.94 1.82 -7.15	32.35 2.10 -8.78	33.22 2.60 -6.55	33.39 2.82 -4.97	33.62 2.92 -3.89	43.77 3.15 -10.87	44.63 3.24 -9.94	45.62 3.65 -6.58	46.66 3.72 -4.94	48.68 3.69 -4.90	66.63 3.76 -20.14	78.31 4.38 -21.78	98.48 5.14 -28.24	95.45 4.80 -24.88	79.33 4.18 -17.07	63.46 4.10 -9.95	67.22 3.29 -23.25	44.19 4.04 -2.00	35.67 3.59 -0.02
BALL_HILL_WT_PWR 323825	20.31 -0.69 0.00	18.96 -0.65 0.00	16.77 -0.59 0.00	16.35 -0.38 0.00	16.35 -0.35 0.00	18.78 -0.19 0.00	21.59 0.13 0.00	23.86 -0.22 0.00	25.79 0.18 0.00	27.82 1.02 0.00	31.30 1.55 0.00	33.18 1.73 0.00	37.52 2.12 0.00	40.95 2.96 0.00	43.74 3.65 0.00	46.88 4.14 0.00	57.57 5.42 0.00	71.55 6.45 0.00	72.04 6.25 -0.02	63.51 5.40 -0.02	53.91 4.50 0.00	44.41 3.74 0.00	41.61 3.47 0.00	34.27 2.21 0.00
BARON_WINDS___WT_PWR 323822	20.44 -0.57 0.00	19.06 -0.55 0.00	16.86 -0.50 0.00	16.37 -0.37 0.00	16.39 -0.32 0.00	18.76 -0.21 0.00	21.49 0.02 0.00	23.93 -0.14 0.00	25.77 0.15 -0.01	27.67 0.78 -0.09	31.02 1.19 -0.08	32.89 1.29 -0.15	37.33 1.63 -0.30	40.60 2.20 -0.41	43.23 2.65 -0.49	46.36 3.03 -0.59	57.23 4.12 -0.96	71.64 5.08 -1.46	72.36 5.06 -1.53	63.77 4.41 -1.27	53.93 3.66 -0.86	44.16 2.97 -0.52	41.31 2.75 -0.43	34.01 1.76 -0.18
BARRETT_IC_1 23704	32.13 1.70 -9.43	28.87 1.63 -7.63	23.85 1.46 -5.03	23.85 1.37 -5.75	24.44 1.37 -6.37	27.64 1.52 -7.15	31.92 1.68 -8.78	32.72 2.09 -6.55	32.88 2.31 -4.97	33.08 2.38 -3.89	43.12 2.50 -10.87	43.91 2.52 -9.94	44.77 2.80 -6.58	45.78 2.85 -4.94	47.86 2.81 -4.96	66.67 2.82 -21.11	78.82 3.34 -23.33	99.27 3.38 -30.79	95.94 3.03 -27.14	79.30 2.67 -18.55	63.36 3.21 -10.73	67.37 2.44 -24.25	43.01 2.86 -2.00	34.77 2.69 -0.02
BARRETT_IC_10 23701	32.13 1.70 -9.43	28.87 1.63 -7.63	23.85 1.46 -5.03	23.85 1.37 -5.75	24.44 1.37 -6.37	27.64 1.52 -7.15	31.92 1.68 -8.78	32.72 2.09 -6.55	32.88 2.31 -4.97	33.08 2.38 -3.89	43.12 2.50 -10.87	43.91 2.52 -9.94	44.77 2.80 -6.58	45.78 2.85 -4.94	47.86 2.81 -4.96	66.67 2.82 -21.11	78.82 3.34 -23.33	99.25 3.38 -30.77	95.92 3.03 -27.13	79.30 2.67 -18.55	63.36 3.21 -10.73	67.37 2.44 -24.25	43.01 2.86 -2.00	34.77 2.69 -0.02
BARRETT_IC_11 23702	32.13 1.70 -9.43	28.87 1.63 -7.63	23.85 1.46 -5.03	23.85 1.37 -5.75	24.44 1.37 -6.37	27.64 1.52 -7.15	31.92 1.68 -8.78	32.72 2.09 -6.55	32.88 2.31 -4.97	33.08 2.38 -3.89	43.12 2.50 -10.87	43.91 2.52 -9.94	44.77 2.80 -6.58	45.78 2.85 -4.94	47.86 2.81 -4.96	66.67 2.82 -21.11	78.82 3.34 -23.33	99.25 3.38 -30.77	95.92 3.03 -27.13	79.30 2.67 -18.55	63.36 3.21 -10.73	67.37 2.44 -24.25	43.01 2.86 -2.00	34.77 2.69 -0.02
BARRETT_IC_12 23703	32.13 1.70 -9.43	28.87 1.63 -7.63	23.85 1.46 -5.03	23.85 1.37 -5.75	24.44 1.37 -6.37	27.64 1.52 -7.15	31.92 1.68 -8.78	32.72 2.09 -6.55	32.88 2.31 -4.97	33.08 2.38 -3.89	43.12 2.50 -10.87	43.91 2.52 -9.94	44.77 2.80 -6.58	45.78 2.85 -4.94	47.86 2.81 -4.96	66.67 2.82 -21.11	78.82 3.34 -23.33	99.25 3.38 -30.77	95.92 3.03 -27.13	79.30 2.67 -18.55	63.36 3.21 -10.73	67.37 2.44 -24.25	43.01 2.86 -2.00	34.77 2.69 -0.02
BARRETT_IC_2 23705	32.13 1.70 -9.43	28.87 1.63 -7.63	23.85 1.46 -5.03	23.85 1.37 -5.75	24.44 1.37 -6.37	27.64 1.52 -7.15	31.92 1.68 -8.78	32.72 2.09 -6.55	32.88 2.31 -4.97	33.08 2.38 -3.89	43.12 2.50 -10.87	43.91 2.52 -9.94	44.77 2.80 -6.58	45.78 2.85 -4.94	47.86 2.81 -4.96	66.67 2.82 -21.11	78.82 3.34 -23.33	99.27 3.38 -30.79	95.94 3.03 -27.14	79.30 2.67 -18.55	63.36 3.21 -10.73	67.37 2.44 -24.25	43.01 2.86 -2.00	34.77 2.69 -0.02
BARRETT_IC_3 23706	32.13 1.70 -9.43	28.87 1.63 -7.63	23.85 1.46 -5.03	23.85 1.37 -5.75	24.44 1.37 -6.37	27.64 1.52 -7.15	31.92 1.68 -8.78	32.72 2.09 -6.55	32.88 2.31 -4.97	33.08 2.38 -3.89	43.12 2.50 -10.87	43.91 2.52 -9.94	44.77 2.80 -6.58	45.78 2.85 -4.94	47.86 2.81 -4.96	66.67 2.82 -21.11	78.82 3.34 -23.33	99.27 3.38 -30.79	95.94 3.03 -27.14	79.30 2.67 -18.55	63.36 3.21 -10.73	67.37 2.44 -24.25	43.01 2.86 -2.00	34.77 2.69 -0.02
BARRETT_IC_4 23707	32.13 1.70 -9.43	28.87 1.63 -7.63	23.85 1.46 -5.03	23.85 1.37 -5.75	24.44 1.37 -6.37	27.64 1.52 -7.15	31.92 1.68 -8.78	32.72 2.09 -6.55	32.88 2.31 -4.97	33.08 2.38 -3.89	43.12 2.50 -10.87	43.91 2.52 -9.94	44.77 2.80 -6.58	45.78 2.85 -4.94	47.86 2.81 -4.96	66.67 2.82 -21.11	78.82 3.34 -23.33	99.27 3.38 -30.79	95.94 3.03 -27.14	79.30 2.67 -18.55	63.36 3.21 -10.73	67.37 2.44 -24.25	43.01 2.86 -2.00	34.77 2.69 -0.02



BARRETT_IC_5 23708	32.13 1.70 -9.43	28.87 1.63 -7.63	23.85 1.46 -5.03	23.85 1.37 -5.75	24.44 1.37 -6.37	27.64 1.52 -7.15	31.92 1.68 -8.78	32.72 2.09 -6.55	32.88 2.31 -4.97	33.08 2.38 -3.89	43.12 2.50 -10.87	43.91 2.52 -9.94	44.77 2.80 -6.58	45.78 2.85 -4.94	47.86 2.81 -4.96	66.67 2.82 -21.11	78.82 3.34 -23.33	99.27 3.38 -30.79	95.94 3.03 -27.14	79.30 2.67 -18.55	63.36 3.21 -10.73	67.37 2.44 -24.25	43.01 2.86 -2.00	34.77 2.69 -0.02
BARRETT_IC_6 23709	32.13 1.70 -9.43	28.87 1.63 -7.63	23.85 1.46 -5.03	23.85 1.37 -5.75	24.44 1.37 -6.37	27.64 1.52 -7.15	31.92 1.68 -8.78	32.72 2.09 -6.55	32.88 2.31 -4.97	33.08 2.38 -3.89	43.12 2.50 -10.87	43.91 2.52 -9.94	44.77 2.80 -6.58	45.78 2.85 -4.94	47.86 2.81 -4.96	66.67 2.82 -21.11	78.82 3.34 -23.33	99.27 3.38 -30.79	95.94 3.03 -27.14	79.30 2.67 -18.55	63.36 3.21 -10.73	67.37 2.44 -24.25	43.01 2.86 -2.00	34.77 2.69 -0.02
BARRETT_IC_7 23710	32.13 1.70 -9.43	28.87 1.63 -7.63	23.85 1.46 -5.03	23.85 1.37 -5.75	24.44 1.37 -6.37	27.64 1.52 -7.15	31.92 1.67 -8.78	32.74 2.12 -6.55	32.88 2.30 -4.97	33.08 2.39 -3.89	43.12 2.50 -10.87	43.90 2.52 -9.94	44.81 2.83 -6.58	45.82 2.89 -4.94	47.86 2.81 -4.96	66.67 2.82 -21.11	78.71 3.23 -23.33	99.01 3.12 -30.79	95.67 2.76 -27.14	79.18 2.56 -18.55	63.21 3.06 -10.73	67.28 2.36 -24.25	43.00 2.86 -2.00	34.70 2.63 -0.02
BARRETT_IC_8 23711	32.13 1.70 -9.43	28.87 1.63 -7.63	23.85 1.46 -5.03	23.85 1.37 -5.75	24.44 1.37 -6.37	27.64 1.52 -7.15	31.92 1.68 -8.78	32.72 2.09 -6.55	32.88 2.31 -4.97	33.08 2.38 -3.89	43.12 2.50 -10.87	43.91 2.52 -9.94	44.77 2.80 -6.58	45.78 2.85 -4.94	47.86 2.81 -4.96	66.67 2.82 -21.11	78.82 3.34 -23.33	99.27 3.38 -30.79	95.94 3.03 -27.14	79.30 2.67 -18.55	63.36 3.21 -10.73	67.37 2.44 -24.25	43.01 2.86 -2.00	34.77 2.69 -0.02
BARRETT_IC_9 23700	32.13 1.70 -9.43	28.87 1.63 -7.63	23.85 1.46 -5.03	23.85 1.37 -5.75	24.44 1.37 -6.37	27.64 1.52 -7.15	31.92 1.68 -8.78	32.72 2.09 -6.55	32.88 2.31 -4.97	33.08 2.38 -3.89	43.12 2.50 -10.87	43.91 2.52 -9.94	44.77 2.80 -6.58	45.78 2.85 -4.94	47.86 2.81 -4.96	66.67 2.82 -21.11	78.82 3.34 -23.33	99.25 3.38 -30.77	95.92 3.03 -27.13	79.30 2.67 -18.55	63.36 3.21 -10.73	67.37 2.44 -24.25	43.01 2.86 -2.00	34.77 2.69 -0.02
BARRETT___1 23545	32.13 1.70 -9.43	28.87 1.63 -7.63	23.85 1.46 -5.03	23.85 1.37 -5.75	24.44 1.37 -6.37	27.64 1.52 -7.15	31.92 1.68 -8.78	32.72 2.09 -6.55	32.88 2.31 -4.97	33.08 2.38 -3.89	43.12 2.50 -10.87	43.91 2.52 -9.94	44.77 2.80 -6.58	45.78 2.85 -4.94	47.86 2.81 -4.96	66.67 2.82 -21.11	78.82 3.34 -23.33	99.27 3.38 -30.79	95.94 3.03 -27.14	79.30 2.67 -18.55	63.36 3.21 -10.73	67.37 2.44 -24.25	43.01 2.86 -2.00	34.77 2.69 -0.02
BARRETT___2 23546	32.13 1.70 -9.43	28.87 1.63 -7.63	23.85 1.46 -5.03	23.85 1.37 -5.75	24.44 1.37 -6.37	27.64 1.52 -7.15	31.92 1.68 -8.78	32.72 2.09 -6.55	32.88 2.31 -4.97	33.08 2.38 -3.89	43.12 2.50 -10.87	43.91 2.52 -9.94	44.77 2.80 -6.58	45.78 2.85 -4.94	47.86 2.81 -4.96	66.67 2.82 -21.11	78.82 3.34 -23.33	99.25 3.38 -30.77	95.92 3.03 -27.13	79.30 2.67 -18.55	63.36 3.21 -10.73	67.37 2.44 -24.25	43.01 2.86 -2.00	34.77 2.69 -0.02
BATAVIA__115KV_TB1 55881	20.67 -0.34 0.00	19.26 -0.35 0.00	17.00 -0.36 0.00	16.48 -0.25 0.00	16.51 -0.20 0.00	18.97 0.00 0.00	21.76 0.30 0.00	24.02 -0.05 0.00	26.07 0.46 0.00	28.03 1.23 0.00	31.30 1.55 0.00	33.37 1.92 0.00	37.52 2.12 0.00	40.87 2.89 0.00	43.82 3.73 0.00	47.05 4.32 0.00	57.78 5.63 0.00	72.06 6.97 0.00	72.49 6.71 -0.02	64.20 6.10 -0.02	54.36 4.94 0.00	44.74 4.07 0.00	41.46 3.32 0.00	34.37 2.31 0.00
BAYONEEC___CTG1 323682	22.37 1.36 0.00	20.95 1.33 0.00	18.56 1.20 0.00	17.82 1.09 0.00	17.79 1.09 0.00	20.18 1.21 0.00	22.82 1.35 0.00	25.93 1.85 0.00	27.66 2.05 0.00	28.92 2.12 0.00	32.10 2.35 0.00	33.81 2.36 0.00	38.08 2.69 0.00	40.65 2.66 0.00	42.62 2.53 0.00	45.13 2.39 -0.01	54.96 2.81 0.00	70.24 3.19 -1.95	70.34 2.70 -1.88	60.54 2.15 -0.31	52.08 2.67 0.00	42.58 1.91 0.00	40.39 2.25 0.00	34.24 2.18 0.00
BAYONEEC___CTG10 323750	22.37 1.36 0.00	20.95 1.33 0.00	18.56 1.20 0.00	17.82 1.09 0.00	17.79 1.09 0.00	20.18 1.21 0.00	22.82 1.35 0.00	25.93 1.85 0.00	27.66 2.05 0.00	28.92 2.12 0.00	32.10 2.35 0.00	33.81 2.36 0.00	38.08 2.69 0.00	40.65 2.66 0.00	42.62 2.53 0.00	45.13 2.39 -0.01	54.96 2.81 0.00	70.24 3.19 -1.95	70.34 2.70 -1.88	60.54 2.15 -0.31	52.08 2.67 0.00	42.58 1.91 0.00	40.39 2.25 0.00	34.24 2.18 0.00
BAYONEEC___CTG2 323683	22.37 1.36 0.00	20.95 1.33 0.00	18.56 1.20 0.00	17.82 1.09 0.00	17.79 1.09 0.00	20.18 1.21 0.00	22.82 1.35 0.00	25.93 1.85 0.00	27.66 2.05 0.00	28.92 2.12 0.00	32.10 2.35 0.00	33.81 2.36 0.00	38.08 2.69 0.00	40.65 2.66 0.00	42.62 2.53 0.00	45.13 2.39 -0.01	54.96 2.81 0.00	70.24 3.19 -1.95	70.34 2.70 -1.88	60.54 2.15 -0.31	52.08 2.67 0.00	42.58 1.91 0.00	40.39 2.25 0.00	34.24 2.18 0.00
BAYONEEC___CTG3 323684	22.37 1.36 0.00	20.95 1.33 0.00	18.56 1.20 0.00	17.82 1.09 0.00	17.79 1.09 0.00	20.18 1.21 0.00	22.82 1.35 0.00	25.93 1.85 0.00	27.66 2.05 0.00	28.92 2.12 0.00	32.10 2.35 0.00	33.81 2.36 0.00	38.08 2.69 0.00	40.65 2.66 0.00	42.62 2.53 0.00	45.13 2.39 -0.01	54.96 2.81 0.00	70.24 3.19 -1.95	70.34 2.70 -1.88	60.54 2.15 -0.31	52.08 2.67 0.00	42.58 1.91 0.00	40.39 2.25 0.00	34.24 2.18 0.00
BAYONEEC___CTG4 323685	22.37 1.36 0.00	20.95 1.33 0.00	18.56 1.20 0.00	17.82 1.09 0.00	17.79 1.09 0.00	20.18 1.21 0.00	22.82 1.35 0.00	25.93 1.85 0.00	27.66 2.05 0.00	28.92 2.12 0.00	32.10 2.35 0.00	33.81 2.36 0.00	38.08 2.69 0.00	40.65 2.66 0.00	42.62 2.53 0.00	45.13 2.39 -0.01	54.96 2.81 0.00	70.24 3.19 -1.95	70.34 2.70 -1.88	60.54 2.15 -0.31	52.08 2.67 0.00	42.58 1.91 0.00	40.39 2.25 0.00	34.24 2.18 0.00
BAYONEEC___CTG5 323686	22.37 1.36 0.00	20.95 1.33 0.00	18.56 1.20 0.00	17.82 1.09 0.00	17.79 1.09 0.00	20.18 1.21 0.00	22.82 1.35 0.00	25.93 1.85 0.00	27.66 2.05 0.00	28.92 2.12 0.00	32.10 2.35 0.00	33.81 2.36 0.00	38.08 2.69 0.00	40.65 2.66 0.00	42.62 2.53 0.00	45.13 2.39 -0.01	54.96 2.81 0.00	70.24 3.19 -1.95	70.34 2.70 -1.88	60.54 2.15 -0.31	52.08 2.67 0.00	42.58 1.91 0.00	40.39 2.25 0.00	34.24 2.18 0.00
BAYONEEC___CTG6 323687	22.37 1.36 0.00	20.95 1.33 0.00	18.56 1.20 0.00	17.82 1.09 0.00	17.79 1.09 0.00	20.18 1.21 0.00	22.82 1.35 0.00	25.93 1.85 0.00	27.66 2.05 0.00	28.92 2.12 0.00	32.10 2.35 0.00	33.81 2.36 0.00	38.08 2.69 0.00	40.65 2.66 0.00	42.62 2.53 0.00	45.13 2.39 -0.01	54.96 2.81 0.00	70.24 3.19 -1.95	70.34 2.70 -1.88	60.54 2.15 -0.31	52.08 2.67 0.00	42.58 1.91 0.00	40.39 2.25 0.00	34.24 2.18 0.00



BAYONEEC___CTG7 323688	22.37 1.36 0.00	20.95 1.33 0.00	18.56 1.20 0.00	17.82 1.09 0.00	17.79 1.09 0.00	20.18 1.21 0.00	22.82 1.35 0.00	25.93 1.85 0.00	27.66 2.05 0.00	28.92 2.12 0.00	32.10 2.35 0.00	33.81 2.36 0.00	38.08 2.69 0.00	40.65 2.66 0.00	42.62 2.53 0.00	45.13 2.39 -0.01	54.96 2.81 0.00	70.24 3.19 -1.95	70.34 2.70 -1.88	60.54 2.15 -0.31	52.08 2.67 0.00	42.58 1.91 0.00	40.39 2.25 0.00	34.24 2.18 0.00
BAYONEEC___CTG8 323689	22.37 1.36 0.00	20.95 1.33 0.00	18.56 1.20 0.00	17.82 1.09 0.00	17.79 1.09 0.00	20.18 1.21 0.00	22.82 1.35 0.00	25.93 1.85 0.00	27.66 2.05 0.00	28.92 2.12 0.00	32.10 2.35 0.00	33.81 2.36 0.00	38.08 2.69 0.00	40.65 2.66 0.00	42.62 2.53 0.00	45.13 2.39 -0.01	54.96 2.81 0.00	70.24 3.19 -1.95	70.34 2.70 -1.88	60.54 2.15 -0.31	52.08 2.67 0.00	42.58 1.91 0.00	40.39 2.25 0.00	34.24 2.18 0.00
BAYONEEC___CTG9 323749	22.37 1.36 0.00	20.95 1.33 0.00	18.56 1.20 0.00	17.82 1.09 0.00	17.79 1.09 0.00	20.18 1.21 0.00	22.82 1.35 0.00	25.93 1.85 0.00	27.66 2.05 0.00	28.92 2.12 0.00	32.10 2.35 0.00	33.81 2.36 0.00	38.08 2.69 0.00	40.65 2.66 0.00	42.62 2.53 0.00	45.13 2.39 -0.01	54.96 2.81 0.00	70.24 3.19 -1.95	70.34 2.70 -1.88	60.54 2.15 -0.31	52.08 2.67 0.00	42.58 1.91 0.00	40.39 2.25 0.00	34.24 2.18 0.00
BEACON___LESR 323632	21.82 0.82 0.00	20.42 0.80 0.00	18.06 0.70 0.00	17.39 0.65 0.00	17.34 0.63 0.00	19.65 0.68 0.00	22.26 0.79 0.00	24.94 0.87 0.00	26.58 0.97 0.00	27.61 0.80 0.00	30.52 0.77 0.00	32.14 0.69 0.00	36.17 0.78 0.00	38.75 0.76 0.00	40.94 0.84 0.00	43.59 0.85 0.01	53.35 1.20 0.00	64.70 1.30 1.70	65.31 1.19 1.64	58.91 1.10 0.28	50.70 1.28 0.00	41.85 1.18 0.00	39.25 1.11 0.00	33.09 1.03 0.00
BEAVER RIVER___HYD 24048	20.96 -0.04 0.00	19.53 -0.08 0.00	17.29 -0.07 0.00	16.37 -0.07 0.30	16.69 -0.02 0.00	18.85 0.06 0.17	21.65 0.19 0.00	24.38 0.31 0.00	25.95 0.33 -0.01	27.33 0.32 -0.21	30.36 0.42 -0.19	32.37 0.57 -0.35	36.67 0.56 -0.71	39.63 0.68 -0.96	41.84 0.60 -1.15	44.97 0.85 -1.38	55.44 1.04 -2.24	70.44 1.89 -3.45	71.86 2.56 -3.53	63.74 2.73 -2.93	53.52 2.08 -2.03	43.36 1.46 -1.23	40.33 1.18 -1.00	33.36 0.87 -0.43
BEEBEE_GT_13 23619	20.63 -0.38 0.00	19.24 -0.37 0.00	16.98 -0.38 0.00	16.42 -0.32 0.00	16.42 -0.28 0.00	18.80 -0.17 0.00	21.46 0.00 0.00	23.86 -0.22 0.00	25.71 0.10 0.00	27.45 0.64 0.00	30.64 0.89 0.00	32.61 1.16 0.00	36.67 1.27 0.00	39.74 1.75 0.00	42.38 2.29 0.00	45.47 2.74 0.00	55.75 3.60 0.00	69.46 4.36 0.00	69.93 4.14 -0.02	61.93 3.83 -0.02	52.38 2.96 0.00	43.11 2.44 0.00	40.05 1.91 0.00	33.25 1.19 0.00
BENSHRST_27_KV_BENSHRST_1 355998	22.52 1.51 0.00	21.06 1.45 0.00	18.61 1.25 0.00	17.86 1.12 0.00	17.83 1.12 0.00	20.16 1.19 0.00	22.79 1.33 0.00	26.00 1.93 0.00	27.78 2.18 0.00	29.08 2.28 0.00	32.28 2.53 0.00	34.06 2.61 0.00	38.40 3.01 0.00	41.10 3.12 0.00	43.02 2.93 0.00	45.56 2.82 -0.01	55.17 3.02 0.00	70.24 3.19 -1.95	70.47 2.83 -1.88	60.77 2.38 -0.31	52.33 2.92 0.00	42.79 2.11 0.00	40.81 2.67 0.00	34.50 2.44 0.00
BETHLEHEM___GRP 23843	21.55 0.55 0.00	20.16 0.55 0.00	17.87 0.50 0.00	17.20 0.47 0.00	17.14 0.43 0.00	19.42 0.46 0.00	21.96 0.49 0.00	24.63 0.55 0.00	26.22 0.61 0.00	27.26 0.46 0.00	30.08 0.33 0.00	31.64 0.19 0.00	35.61 0.21 0.00	38.14 0.15 0.00	40.25 0.16 0.00	42.77 0.04 0.01	52.15 0.00 0.00	63.18 -0.33 1.60	63.76 -0.46 1.55	57.53 -0.29 0.26	49.51 0.10 0.00	40.92 0.24 0.00	38.45 0.31 0.00	32.41 0.35 0.00
BETHLEHEM___GS1 323560	21.55 0.55 0.00	20.18 0.57 0.00	17.87 0.50 0.00	17.20 0.47 0.00	17.14 0.43 0.00	19.42 0.45 0.00	21.96 0.49 0.00	24.60 0.53 0.00	26.22 0.61 0.00	27.26 0.46 0.00	30.08 0.33 0.00	31.67 0.22 0.00	35.61 0.21 0.00	38.14 0.15 0.00	40.25 0.16 0.00	42.77 0.04 0.01	52.25 0.10 0.00	63.37 -0.13 1.60	63.96 -0.26 1.55	57.59 -0.23 0.26	49.66 0.25 0.00	40.96 0.29 0.00	38.44 0.30 0.00	32.48 0.42 0.00
BETHLEHEM___GS2 323561	21.55 0.55 0.00	20.18 0.57 0.00	17.87 0.50 0.00	17.20 0.47 0.00	17.14 0.43 0.00	19.42 0.45 0.00	21.96 0.49 0.00	24.60 0.53 0.00	26.22 0.61 0.00	27.26 0.46 0.00	30.08 0.33 0.00	31.67 0.22 0.00	35.61 0.21 0.00	38.14 0.15 0.00	40.25 0.16 0.00	42.77 0.04 0.01	52.25 0.10 0.00	63.37 -0.13 1.60	63.96 -0.26 1.55	57.59 -0.23 0.26	49.66 0.25 0.00	40.96 0.29 0.00	38.44 0.30 0.00	32.48 0.42 0.00
BETHLEHEM___GS3 323562	21.55 0.55 0.00	20.18 0.57 0.00	17.87 0.50 0.00	17.20 0.47 0.00	17.14 0.43 0.00	19.42 0.45 0.00	21.96 0.49 0.00	24.60 0.53 0.00	26.22 0.61 0.00	27.26 0.46 0.00	30.08 0.33 0.00	31.67 0.22 0.00	35.61 0.21 0.00	38.14 0.15 0.00	40.25 0.16 0.00	42.77 0.04 0.01	52.25 0.10 0.00	63.37 -0.13 1.60	63.96 -0.26 1.55	57.59 -0.23 0.26	49.66 0.25 0.00	40.96 0.29 0.00	38.44 0.30 0.00	32.48 0.42 0.00
BETHLEHEM___STEEL 23779	20.35 -0.65 0.00	19.00 -0.61 0.00	16.79 -0.57 0.00	16.35 -0.38 0.00	16.36 -0.35 0.00	18.80 -0.17 0.00	21.57 0.11 0.00	23.64 -0.43 0.00	25.68 0.08 0.00	27.71 0.91 0.00	31.00 1.25 0.00	33.02 1.57 0.00	37.23 1.84 0.00	40.61 2.62 0.00	43.50 3.41 0.00	46.63 3.89 0.00	57.21 5.06 0.00	71.09 5.99 0.00	71.25 5.46 -0.02	62.98 4.88 -0.02	53.47 4.05 0.00	44.01 3.34 0.00	40.96 2.82 0.00	34.18 2.12 0.00
BETHLHEM_115KV_TB1 79974	21.57 0.57 0.00	20.18 0.57 0.00	17.88 0.52 0.00	17.22 0.49 0.00	17.16 0.45 0.00	19.44 0.47 0.00	21.98 0.52 0.00	24.67 0.60 0.00	26.25 0.64 0.00	27.31 0.51 0.00	30.17 0.42 0.00	31.73 0.28 0.00	35.71 0.32 0.00	38.25 0.27 0.00	40.37 0.28 0.00	42.90 0.17 0.00	52.31 0.16 0.00	63.46 -0.13 1.51	64.04 -0.26 1.46	57.72 -0.12 0.25	49.66 0.25 0.00	41.04 0.37 0.00	38.52 0.38 0.00	32.51 0.45 0.00
BETHPAGE_CC_5 323564	32.24 1.81 -9.43	28.97 1.73 -7.63	23.93 1.54 -5.03	23.92 1.44 -5.75	24.51 1.44 -6.37	27.71 1.59 -7.15	32.07 1.82 -8.78	32.91 2.29 -6.55	33.09 2.51 -4.97	33.27 2.57 -3.89	43.35 2.74 -10.87	44.12 2.73 -9.94	45.06 3.08 -6.58	46.05 3.12 -4.94	48.11 3.09 -4.93	66.55 3.12 -20.69	78.62 3.80 -22.67	99.28 4.49 -29.69	96.02 4.08 -26.17	79.36 3.37 -17.91	63.37 3.56 -10.40	67.18 2.68 -23.82	43.31 3.16 -2.00	35.09 3.01 -0.02
BIGTREE_115_KV_TB2_REV_LBMP_A 345034	20.40 -0.61 0.00	19.04 -0.57 0.00	16.83 -0.54 0.00	16.38 -0.35 0.00	16.39 -0.32 0.00	18.83 -0.13 0.00	21.64 0.17 0.00	23.69 -0.39 0.00	25.76 0.15 0.00	27.79 0.99 0.00	31.12 1.37 0.00	33.15 1.70 0.00	37.38 1.98 0.00	40.76 2.77 0.00	43.70 3.61 0.00	46.84 4.10 0.00	57.42 5.27 0.00	71.35 6.25 0.00	71.58 5.79 -0.02	63.16 5.05 -0.02	53.71 4.30 0.00	44.17 3.50 0.00	41.08 2.94 0.00	34.30 2.24 0.00



BINGHAMTON___COGEN 23790	21.07 0.06 0.00	19.67 0.06 0.00	17.42 0.05 0.00	16.84 0.10 0.00	16.82 0.12 0.00	19.14 0.17 0.00	21.76 0.30 0.00	24.34 0.26 0.00	26.03 0.41 -0.01	27.63 0.67 -0.16	30.79 0.89 -0.14	32.66 0.94 -0.26	37.06 1.13 -0.54	40.08 1.37 -0.72	42.64 1.68 -0.87	45.66 1.88 -1.04	56.35 2.50 -1.70	70.61 2.86 -2.64	71.32 2.76 -2.79	62.91 2.50 -2.33	53.10 2.12 -1.56	43.32 1.71 -0.94	40.36 1.45 -0.77	33.51 1.12 -0.33
BIXINCNT_115KV_LOAD 355685	20.21 -0.80 0.00	18.85 -0.76 0.00	16.67 -0.69 0.00	16.22 -0.52 0.00	16.26 -0.45 0.00	18.66 -0.30 0.00	21.51 0.04 0.00	23.59 -0.48 0.00	25.63 0.03 0.00	27.79 0.99 0.00	31.18 1.43 0.00	33.21 1.76 0.00	37.45 2.05 0.00	40.68 2.70 0.00	43.74 3.65 0.00	46.88 4.15 0.00	57.57 5.42 0.00	71.48 6.38 0.00	71.78 5.98 -0.03	63.04 4.94 -0.03	53.91 4.50 0.00	44.17 3.50 0.00	41.00 2.86 0.00	34.37 2.31 0.00
BLACK RIVER___HYD 24047	21.11 0.11 0.00	19.69 0.08 0.00	17.40 0.03 0.00	16.56 0.03 0.21	16.77 0.07 0.00	19.04 0.19 0.12	21.80 0.34 0.00	24.51 0.43 0.00	26.12 0.49 -0.02	27.63 0.48 -0.35	30.70 0.63 -0.32	32.83 0.79 -0.59	37.45 0.85 -1.21	40.67 1.06 -1.62	42.99 0.96 -1.94	46.31 1.24 -2.34	57.40 1.46 -3.79	73.41 2.47 -5.84	75.09 3.35 -5.97	66.69 3.66 -4.95	55.87 3.01 -3.44	44.90 2.15 -2.08	41.56 1.72 -1.70	33.98 1.19 -0.73
BLACKRVR_115KV_TB2 79977	21.11 0.11 0.00	19.69 0.08 0.00	17.40 0.03 0.00	16.56 0.03 0.21	16.77 0.07 0.00	19.04 0.19 0.12	21.81 0.34 0.00	24.50 0.43 0.00	26.12 0.49 -0.02	27.63 0.48 -0.35	30.70 0.62 -0.32	32.83 0.79 -0.59	37.45 0.85 -1.21	40.63 1.03 -1.62	43.00 0.96 -1.94	46.31 1.24 -2.34	57.40 1.46 -3.79	73.41 2.47 -5.84	75.09 3.35 -5.97	66.63 3.60 -4.95	55.82 2.96 -3.44	44.86 2.11 -2.08	41.48 1.64 -1.70	33.98 1.19 -0.73
BLISS_WT_PWR 323608	20.10 -0.90 0.00	18.75 -0.86 0.00	16.57 -0.80 0.00	16.12 -0.62 0.00	16.17 -0.54 0.00	18.57 -0.40 0.00	21.40 -0.06 0.00	23.61 -0.46 0.00	25.53 -0.08 0.00	27.74 0.94 0.00	31.27 1.52 0.00	33.15 1.70 0.00	37.52 2.12 0.00	40.87 2.89 0.00	43.70 3.61 0.00	46.84 4.10 0.00	57.52 5.37 0.00	71.55 6.45 0.00	72.17 6.38 -0.03	62.76 4.65 -0.03	54.11 4.70 0.00	44.37 3.70 0.00	41.58 3.43 0.00	34.37 2.31 0.00
BLUESTONE___WT_PWR 323821	21.95 0.95 0.00	20.53 0.92 0.00	18.09 0.73 0.00	17.44 0.70 0.00	17.44 0.73 0.00	19.90 0.93 0.00	22.69 1.22 0.00	25.73 1.66 0.00	27.59 1.97 -0.01	29.14 2.22 -0.11	32.56 2.71 -0.10	34.59 2.96 -0.19	39.25 3.47 -0.38	42.61 4.10 -0.52	45.12 4.41 -0.62	48.44 4.96 -0.75	59.98 6.62 -1.21	74.48 7.10 -2.28	75.81 7.56 -2.49	67.02 6.85 -2.09	56.74 5.98 -1.34	46.00 4.51 -0.81	42.70 3.89 -0.66	35.29 2.95 -0.29
BLUE_CIRC_CHEM_DRP 24182	21.74 0.74 0.00	20.32 0.71 0.00	18.01 0.64 0.00	17.34 0.60 0.00	17.29 0.58 0.00	19.59 0.63 0.00	22.17 0.71 0.00	24.82 0.75 0.00	26.38 0.77 0.00	27.39 0.59 0.00	30.26 0.51 0.00	31.83 0.38 0.00	35.82 0.42 0.00	38.37 0.38 0.00	40.53 0.44 0.00	43.16 0.43 0.00	52.72 0.57 0.00	64.63 0.59 1.06	65.33 0.59 1.02	58.60 0.70 0.17	50.35 0.94 0.00	41.61 0.94 0.00	39.06 0.92 0.00	32.93 0.87 0.00
BOC_GAS_DRP 24189	21.59 0.59 0.00	20.18 0.57 0.00	17.88 0.52 0.00	17.22 0.49 0.00	17.17 0.47 0.00	19.48 0.51 0.00	22.04 0.58 0.00	24.75 0.67 0.00	26.33 0.72 0.00	27.42 0.62 0.00	30.38 0.62 0.00	31.98 0.53 0.00	36.00 0.60 0.00	38.56 0.57 0.00	40.65 0.56 0.00	43.20 0.47 0.00	52.62 0.47 0.00	64.33 0.26 1.03	64.90 0.13 1.00	58.14 0.23 0.17	49.91 0.49 0.00	41.20 0.53 0.00	38.75 0.61 0.00	32.70 0.64 0.00
BOONVILLE_115KV_TB1 79983	21.32 0.32 0.00	19.91 0.29 0.00	17.61 0.24 0.00	16.90 0.23 0.07	16.97 0.27 0.00	19.29 0.36 0.04	21.96 0.49 0.00	24.70 0.63 0.00	26.36 0.74 -0.01	27.65 0.75 -0.10	30.73 0.89 -0.09	32.59 0.97 -0.17	36.83 1.10 -0.34	39.74 1.29 -0.46	42.00 1.36 -0.55	44.98 1.58 -0.66	55.30 2.09 -1.07	69.67 2.93 -1.64	70.73 3.29 -1.68	62.61 3.14 -1.39	53.05 2.67 -0.97	43.25 1.99 -0.58	40.26 1.64 -0.48	33.55 1.28 -0.21
BORALEX_4TH_BRANCH 23824	22.24 1.24 0.00	20.77 1.16 0.00	18.44 1.08 0.00	17.74 1.00 0.00	17.71 1.00 0.00	20.11 1.14 0.00	22.77 1.31 0.00	25.47 1.40 0.00	27.07 1.46 0.00	28.06 1.26 0.00	31.09 1.34 0.00	32.55 1.10 0.00	36.56 1.17 0.00	39.01 1.03 0.00	41.17 1.08 0.00	43.58 0.85 0.01	53.14 0.99 0.00	61.83 0.85 4.11	62.39 0.59 3.97	58.00 0.58 0.66	50.45 1.04 0.00	41.89 1.22 0.00	39.25 1.11 0.00	33.28 1.22 0.00
BOWLINE___1 23526	22.16 1.15 0.00	20.71 1.10 0.00	18.35 0.99 0.00	17.66 0.92 0.00	17.62 0.92 0.00	19.95 0.99 0.00	22.58 1.12 0.00	25.57 1.49 0.00	27.27 1.66 0.00	28.52 1.72 0.00	31.68 1.93 0.00	33.34 1.89 0.00	37.48 2.09 0.00	40.00 2.01 0.00	41.98 1.88 0.00	44.54 1.79 -0.01	54.34 2.19 0.00	69.32 2.41 -1.81	69.48 1.97 -1.74	59.87 1.51 -0.28	51.34 1.93 0.00	42.06 1.38 0.00	39.74 1.60 0.00	33.79 1.73 0.00
BOWLINE___2 23595	22.16 1.15 0.00	20.71 1.10 0.00	18.35 0.99 0.00	17.66 0.92 0.00	17.62 0.92 0.00	19.95 0.99 0.00	22.58 1.12 0.00	25.57 1.49 0.00	27.27 1.66 0.00	28.52 1.72 0.00	31.68 1.93 0.00	33.37 1.92 0.00	37.52 2.12 0.00	40.04 2.05 0.00	42.02 1.92 0.00	44.58 1.84 -0.01	54.34 2.19 0.00	69.32 2.41 -1.81	69.48 1.97 -1.74	59.87 1.51 -0.28	51.39 1.98 0.00	42.09 1.42 0.00	39.78 1.64 0.00	33.79 1.73 0.00
BRADY___115KV_TB2 356060	20.75 -0.25 0.00	19.36 -0.25 0.00	17.13 -0.23 0.01	15.51 -0.23 0.99	16.48 -0.22 0.01	18.15 -0.25 0.57	21.16 -0.30 0.01	23.51 -0.55 0.01	24.99 -0.61 0.00	26.00 -0.80 0.00	28.86 -0.89 0.00	30.88 -0.57 0.00	34.62 -0.78 0.00	37.08 -0.91 0.00	38.89 -1.20 0.00	41.84 -0.90 0.00	51.21 -0.94 0.00	64.90 -0.20 0.00	66.16 0.39 0.00	58.31 0.23 0.00	48.52 -0.89 0.00	39.86 -0.81 0.00	37.34 -0.80 0.00	31.39 -0.67 0.00
BRANSCOMB___SOLAR 323811	22.26 1.26 0.00	20.79 1.18 0.00	18.39 1.02 0.00	17.71 0.97 0.00	17.69 0.99 0.00	20.05 1.08 0.00	22.73 1.27 0.00	25.40 1.32 0.00	27.09 1.48 0.00	28.17 1.37 0.00	30.91 1.16 0.00	32.55 1.10 0.00	36.63 1.24 0.00	39.24 1.25 0.00	41.53 1.44 0.00	44.27 1.54 0.01	54.02 1.87 0.00	65.20 2.21 2.11	65.89 2.17 2.04	59.77 2.03 0.34	51.69 2.27 0.00	42.66 1.99 0.00	40.05 1.91 0.00	33.73 1.67 0.00
BRENTWOD_69_KV_W. BRTWOOD 56703	32.34 1.91 -9.43	29.09 1.84 -7.63	24.04 1.65 -5.03	24.02 1.54 -5.75	24.63 1.55 -6.37	27.85 1.73 -7.15	32.22 1.97 -8.78	33.08 2.46 -6.55	33.24 2.66 -4.97	33.43 2.73 -3.89	43.53 2.92 -10.87	44.38 2.99 -9.94	45.31 3.33 -6.58	46.28 3.34 -4.94	48.15 3.21 -4.85	65.29 3.12 -19.43	76.15 3.34 -20.66	95.26 3.78 -26.39	92.44 3.42 -23.25	77.04 2.96 -16.00	61.86 3.06 -9.38	65.88 2.68 -22.53	43.84 3.70 -2.00	35.41 3.33 -0.02



BRISTLHL_115KV_TB1 79998	20.73 -0.27 0.00	19.36 -0.25 0.00	17.14 -0.23 0.00	16.52 -0.22 0.00	16.51 -0.20 0.00	18.78 -0.19 0.00	21.27 -0.19 0.00	23.81 -0.26 0.00	25.38 -0.28 -0.05	27.40 -0.16 -0.76	30.34 -0.12 -0.71	32.62 -0.13 -1.29	37.93 -0.11 -2.65	41.51 -0.04 -3.56	44.39 0.04 -4.26	47.95 0.09 -5.13	60.69 0.21 -8.33	78.19 0.26 -12.83	79.13 0.26 -13.11	69.36 0.41 -10.87	57.27 0.30 -7.56	45.48 0.24 -4.56	41.98 0.11 -3.73	33.67 0.00 -1.61
BROOKHAVEN___DRP 24191	32.28 1.85 -9.43	29.01 1.77 -7.63	23.97 1.58 -5.03	23.95 1.47 -5.75	24.59 1.52 -6.37	27.77 1.65 -7.15	32.13 1.89 -8.78	32.96 2.34 -6.55	33.08 2.51 -4.97	33.27 2.57 -3.89	43.36 2.74 -10.87	44.22 2.83 -9.94	45.16 3.19 -6.58	46.16 3.23 -4.94	48.13 3.17 -4.87	65.71 3.16 -19.81	77.22 3.81 -21.26	96.97 4.49 -27.38	94.03 4.14 -24.13	78.25 3.60 -16.57	62.66 3.56 -9.69	66.35 2.77 -22.92	43.80 3.66 -2.00	35.35 3.27 -0.02
BROOKLYN_NAVY_YARD 23515	22.35 1.35 0.00	20.91 1.29 0.00	18.53 1.16 0.00	17.79 1.05 0.00	17.76 1.05 0.00	20.14 1.18 0.00	22.80 1.33 0.00	25.93 1.85 0.00	27.66 2.05 0.00	28.95 2.14 0.00	32.07 2.32 0.00	33.78 2.33 0.00	38.01 2.62 0.00	40.61 2.62 0.00	42.58 2.49 0.00	45.09 2.35 -0.01	54.96 2.81 0.00	70.24 3.19 -1.95	70.34 2.70 -1.88	60.54 2.15 -0.31	52.13 2.72 0.00	42.54 1.87 0.00	40.39 2.25 0.00	34.21 2.15 0.00
BROOKLYN___ARMY_DRP 323595	22.43 1.43 0.00	20.98 1.37 0.00	18.56 1.20 0.00	17.79 1.05 0.00	17.76 1.05 0.00	20.11 1.14 0.00	22.71 1.24 0.00	25.88 1.81 0.00	27.66 2.05 0.00	28.95 2.14 0.00	32.10 2.35 0.00	33.87 2.42 0.00	38.23 2.83 0.00	40.87 2.89 0.00	42.78 2.69 0.00	45.26 2.52 -0.01	54.81 2.66 0.00	69.79 2.73 -1.95	70.01 2.37 -1.88	60.42 2.03 -0.31	51.98 2.57 0.00	42.54 1.87 0.00	40.58 2.44 0.00	34.34 2.28 0.00
BROOKVLE_69_KV_TB1 55790	32.15 1.72 -9.43	28.87 1.63 -7.63	23.85 1.46 -5.03	23.84 1.36 -5.75	24.43 1.35 -6.37	27.64 1.52 -7.15	31.96 1.72 -8.78	32.84 2.21 -6.55	33.01 2.43 -4.97	33.22 2.52 -3.89	43.42 2.80 -10.87	44.22 2.83 -9.94	45.20 3.22 -6.58	46.24 3.30 -4.94	48.34 3.29 -4.96	67.05 3.21 -21.11	79.29 3.81 -23.33	100.05 4.17 -30.79	96.66 3.75 -27.14	79.88 3.25 -18.55	63.56 3.41 -10.73	67.53 2.60 -24.25	43.19 3.05 -2.00	34.83 2.76 -0.02
BROOME_2_LFGE 323671	21.07 0.06 0.00	19.67 0.06 0.00	17.42 0.05 0.00	16.84 0.10 0.00	16.82 0.12 0.00	19.14 0.17 0.00	21.76 0.30 0.00	24.36 0.29 0.00	26.03 0.41 -0.01	27.63 0.67 -0.16	30.82 0.92 -0.14	32.66 0.94 -0.26	37.10 1.17 -0.54	40.15 1.44 -0.72	42.64 1.68 -0.87	45.66 1.88 -1.04	56.45 2.61 -1.70	70.80 3.06 -2.64	71.58 3.03 -2.79	63.03 2.62 -2.33	53.25 2.27 -1.56	43.44 1.83 -0.94	40.55 1.64 -0.77	33.54 1.15 -0.33
BROOME___LFGE 323600	21.07 0.06 0.00	19.67 0.06 0.00	17.42 0.05 0.00	16.84 0.10 0.00	16.82 0.12 0.00	19.14 0.17 0.00	21.76 0.30 0.00	24.36 0.29 0.00	26.03 0.41 -0.01	27.63 0.67 -0.16	30.82 0.92 -0.14	32.66 0.94 -0.26	37.10 1.17 -0.54	40.15 1.44 -0.72	42.64 1.68 -0.87	45.66 1.88 -1.04	56.45 2.61 -1.70	70.80 3.06 -2.64	71.58 3.03 -2.79	63.03 2.62 -2.33	53.25 2.27 -1.56	43.44 1.83 -0.94	40.55 1.64 -0.77	33.54 1.15 -0.33
BROWNFLS_115KV_TB_3_5 80003	20.73 -0.27 0.00	19.34 -0.27 0.00	17.10 -0.26 0.00	15.91 -0.25 0.57	16.48 -0.22 0.00	18.45 -0.19 0.33	21.31 -0.15 0.00	23.85 -0.22 0.00	25.41 -0.20 -0.01	26.62 -0.32 -0.14	29.55 -0.33 -0.13	31.56 -0.25 -0.24	35.64 -0.34 -0.49	38.31 -0.56 -0.66	40.32 -0.34 -0.79	43.35 -0.34 -0.95	53.43 -0.26 -1.54	67.80 0.33 -2.37	69.17 0.99 -2.42	61.08 0.99 -2.01	51.06 0.25 -1.40	41.56 0.04 -0.84	38.87 0.04 -0.69	32.39 0.03 -0.30
BROWNSV1_27_KV_LOAD 356125	22.54 1.53 0.00	21.10 1.49 0.00	18.68 1.32 0.00	17.94 1.20 0.00	17.91 1.20 0.00	20.31 1.35 0.00	22.99 1.52 0.00	26.14 2.07 0.00	27.89 2.28 0.00	29.16 2.36 0.00	32.37 2.62 0.00	34.12 2.67 0.00	38.44 3.04 0.00	41.10 3.12 0.00	43.06 2.97 0.00	45.65 2.91 -0.01	55.54 3.39 0.00	70.70 3.65 -1.95	70.87 3.22 -1.88	61.17 2.79 -0.31	52.58 3.16 0.00	42.95 2.28 0.00	40.85 2.71 0.00	34.50 2.44 0.00
BURROWS___LYONSDAL 23803	21.21 0.21 0.00	19.79 0.18 0.00	17.50 0.14 0.00	16.75 0.13 0.12	16.89 0.18 0.00	19.16 0.27 0.07	21.89 0.43 0.00	24.65 0.58 0.00	26.28 0.67 -0.01	27.59 0.67 -0.12	30.66 0.80 -0.11	32.56 0.91 -0.20	36.80 0.99 -0.41	39.72 1.18 -0.56	41.96 1.20 -0.67	44.99 1.45 -0.80	55.33 1.88 -1.30	69.83 2.73 -2.00	71.03 3.22 -2.04	62.85 3.08 -1.69	53.16 2.57 -1.18	43.29 1.91 -0.71	40.28 1.56 -0.58	33.53 1.22 -0.25
CAITHNESS_CC_1 323624	32.28 1.85 -9.43	29.01 1.77 -7.63	23.97 1.58 -5.03	23.95 1.47 -5.75	24.58 1.50 -6.37	27.77 1.65 -7.15	32.14 1.89 -8.78	32.93 2.31 -6.55	33.09 2.51 -4.97	33.27 2.57 -3.89	43.39 2.77 -10.87	44.16 2.77 -9.94	45.09 3.12 -6.58	46.08 3.15 -4.94	48.05 3.09 -4.88	65.65 3.08 -19.83	77.20 3.76 -21.30	97.29 4.75 -27.44	94.29 4.34 -24.18	78.23 3.54 -16.61	62.72 3.61 -9.70	66.38 2.77 -22.94	43.73 3.58 -2.00	35.38 3.30 -0.02
CALPINE BETH_PAGE_GT4 24209	32.24 1.81 -9.43	28.97 1.73 -7.63	23.92 1.53 -5.03	23.92 1.44 -5.75	24.51 1.44 -6.37	27.71 1.59 -7.15	32.07 1.82 -8.78	32.89 2.26 -6.55	33.03 2.46 -4.97	33.24 2.55 -3.89	43.24 2.62 -10.87	44.06 2.67 -9.94	44.99 3.01 -6.58	45.97 3.04 -4.94	48.02 2.97 -4.96	66.84 2.99 -21.11	79.03 3.55 -23.33	99.79 3.91 -30.79	96.46 3.55 -27.14	79.71 3.08 -18.55	63.41 3.26 -10.73	67.45 2.52 -24.25	43.19 3.05 -2.00	34.96 2.89 -0.02
CALPINE_BETH_PAGE_GT_4 323586	32.24 1.81 -9.43	28.97 1.73 -7.63	23.92 1.53 -5.03	23.92 1.44 -5.75	24.51 1.44 -6.37	27.71 1.59 -7.15	32.07 1.82 -8.78	32.86 2.24 -6.55	33.03 2.46 -4.97	33.24 2.55 -3.89	43.27 2.65 -10.87	44.03 2.64 -9.94	44.95 2.97 -6.58	45.93 3.00 -4.94	48.02 2.97 -4.96	66.84 2.99 -21.11	79.13 3.65 -23.33	100.18 4.30 -30.79	96.79 3.88 -27.14	79.82 3.19 -18.55	63.55 3.41 -10.73	67.53 2.61 -24.25	43.20 3.05 -2.00	35.02 2.95 -0.02
CALPINE_BP_GT1 23823	32.24 1.81 -9.43	28.97 1.73 -7.63	23.92 1.53 -5.03	23.92 1.44 -5.75	24.51 1.44 -6.37	27.71 1.59 -7.15	32.07 1.82 -8.78	32.86 2.24 -6.55	33.03 2.46 -4.97	33.24 2.55 -3.89	43.27 2.65 -10.87	44.03 2.64 -9.94	44.95 2.97 -6.58	45.93 3.00 -4.94	48.02 2.97 -4.96	66.84 2.99 -21.11	79.13 3.65 -23.33	100.18 4.30 -30.79	96.79 3.88 -27.14	79.82 3.19 -18.55	63.55 3.41 -10.73	67.53 2.61 -24.25	43.20 3.05 -2.00	35.02 2.95 -0.02
CALSPAN___DRP 24200	20.35 -0.65 0.00	19.00 -0.61 0.00	16.79 -0.57 0.00	16.35 -0.38 0.00	16.36 -0.35 0.00	18.80 -0.17 0.00	21.57 0.11 0.00	23.64 -0.43 0.00	25.68 0.08 0.00	27.71 0.91 0.00	31.00 1.25 0.00	33.02 1.57 0.00	37.23 1.84 0.00	40.61 2.62 0.00	43.50 3.41 0.00	46.63 3.89 0.00	57.21 5.06 0.00	71.09 5.99 0.00	71.25 5.46 -0.02	62.98 4.88 -0.02	53.47 4.05 0.00	44.01 3.34 0.00	40.96 2.82 0.00	34.18 2.12 0.00



CALVERTON___SOLAR 323806	32.32 1.89 -9.43	29.05 1.80 -7.63	23.99 1.60 -5.03	23.99 1.51 -5.75	24.63 1.55 -6.37	27.81 1.69 -7.15	32.18 1.93 -8.78	32.98 2.36 -6.55	33.13 2.56 -4.97	33.32 2.63 -3.89	43.45 2.83 -10.87	44.25 2.86 -9.94	45.23 3.25 -6.58	46.24 3.30 -4.94	48.25 3.29 -4.87	65.91 3.38 -19.80	77.57 4.17 -21.25	97.73 5.27 -27.36	94.81 4.93 -24.10	78.70 4.06 -16.56	63.05 3.95 -9.68	66.63 3.05 -22.91	43.96 3.81 -2.00	35.51 3.43 -0.02
CANDIGU_WT_PWR 323617	20.44 -0.57 0.00	19.06 -0.55 0.00	16.86 -0.50 0.00	16.37 -0.37 0.00	16.39 -0.32 0.00	18.76 -0.21 0.00	21.49 0.02 0.00	23.93 -0.14 0.00	25.77 0.15 -0.01	27.67 0.78 -0.09	31.02 1.19 -0.08	32.89 1.29 -0.15	37.33 1.63 -0.30	40.60 2.20 -0.41	43.23 2.65 -0.49	46.36 3.03 -0.59	57.23 4.12 -0.96	71.64 5.08 -1.46	72.36 5.06 -1.53	63.77 4.41 -1.27	53.93 3.66 -0.86	44.16 2.97 -0.52	41.31 2.75 -0.43	34.01 1.76 -0.18
CARR STREET_E_SYR 24060	20.84 -0.17 0.00	19.45 -0.16 0.00	17.22 -0.14 0.00	16.60 -0.13 0.00	16.59 -0.12 0.00	18.87 -0.09 0.00	21.40 -0.06 0.00	23.98 -0.10 0.00	25.52 -0.10 -0.02	27.08 0.05 -0.23	30.14 0.18 -0.21	32.03 0.19 -0.39	36.44 0.25 -0.80	39.33 0.27 -1.07	41.82 0.44 -1.28	44.80 0.51 -1.54	55.44 0.78 -2.51	69.86 0.91 -3.85	70.63 0.92 -3.94	62.34 0.99 -3.27	52.43 0.74 -2.27	42.61 0.57 -1.37	39.68 0.42 -1.12	32.83 0.29 -0.48
CARTHAGE___PAPER 23857	21.00 0.00 0.00	19.59 -0.02 0.00	17.31 -0.05 0.00	16.44 -0.05 0.24	16.70 0.00 0.00	18.92 0.10 0.14	21.70 0.24 0.00	24.41 0.34 0.00	25.99 0.36 -0.02	27.42 0.32 -0.29	30.44 0.42 -0.27	32.51 0.57 -0.50	36.97 0.56 -1.01	40.04 0.68 -1.36	42.33 0.60 -1.63	45.56 0.85 -1.97	56.39 1.04 -3.19	72.03 2.02 -4.91	73.62 2.83 -5.02	65.33 3.08 -4.17	54.73 2.42 -2.90	44.13 1.71 -1.75	40.90 1.33 -1.43	33.61 0.93 -0.62
CASSADAGA_WT_PWR 323784	20.08 -0.92 0.00	18.71 -0.90 0.00	16.60 -0.76 0.00	16.25 -0.49 0.00	16.31 -0.40 0.00	18.78 -0.19 0.00	21.70 0.24 0.00	24.10 0.02 0.00	26.20 0.59 0.00	28.38 1.58 0.00	32.01 2.26 0.00	34.06 2.61 0.00	38.51 3.12 0.00	42.13 4.14 0.00	44.98 4.89 0.00	48.29 5.55 0.00	59.35 7.20 0.00	73.83 8.73 0.00	74.28 8.49 -0.03	65.48 7.38 -0.03	55.59 6.18 0.00	45.67 5.00 0.00	42.60 4.46 0.00	34.91 2.85 0.00
CE_DUNWOOD___DRP 24194	22.29 1.28 0.00	20.83 1.22 0.00	18.46 1.09 0.00	17.76 1.02 0.00	17.71 1.00 0.00	20.07 1.10 0.00	22.73 1.27 0.00	25.76 1.69 0.00	27.45 1.84 0.00	28.70 1.90 0.00	31.86 2.11 0.00	33.59 2.14 0.00	37.80 2.41 0.00	40.38 2.39 0.00	42.42 2.33 0.00	44.97 2.22 -0.01	54.70 2.56 0.00	69.72 2.67 -1.95	69.94 2.30 -1.87	60.36 1.97 -0.30	51.74 2.32 0.00	42.38 1.71 0.00	40.20 2.06 0.00	33.98 1.92 0.00
CE_MILLWOOD___DRP 24193	22.24 1.24 0.00	20.81 1.20 0.00	18.42 1.06 0.00	17.72 0.99 0.00	17.69 0.99 0.00	20.03 1.06 0.00	22.67 1.20 0.00	25.69 1.61 0.00	27.38 1.77 0.00	28.62 1.82 0.00	31.80 2.05 0.00	33.49 2.04 0.00	37.69 2.30 0.00	40.31 2.32 0.00	42.30 2.21 0.00	44.88 2.14 -0.01	54.60 2.45 0.00	69.57 2.54 -1.93	69.79 2.17 -1.86	60.24 1.86 -0.30	51.64 2.22 0.00	42.30 1.63 0.00	40.09 1.95 0.00	33.89 1.83 0.00
CE_NYC2_DRP 24202	22.41 1.41 0.00	20.98 1.37 0.00	18.58 1.22 0.00	17.82 1.09 0.00	17.79 1.09 0.00	20.16 1.19 0.00	22.77 1.31 0.00	25.90 1.83 0.00	27.63 2.02 0.00	28.89 2.09 0.00	32.07 2.32 0.00	33.81 2.36 0.00	38.12 2.73 0.00	40.72 2.74 0.00	42.62 2.53 0.00	45.05 2.31 -0.01	54.64 2.50 0.01	69.58 2.54 -1.95	69.74 2.10 -1.87	60.18 1.80 -0.30	51.74 2.32 0.00	42.38 1.71 0.00	40.47 2.33 0.00	34.24 2.18 0.00
CE_NYC_DRP 24195	22.41 1.41 0.00	20.96 1.35 0.00	18.58 1.22 0.00	17.84 1.10 0.00	17.81 1.10 0.00	20.18 1.21 0.00	22.84 1.37 0.00	25.95 1.88 0.00	27.68 2.07 0.00	28.95 2.14 0.00	32.13 2.38 0.00	33.87 2.42 0.00	38.15 2.76 0.00	40.76 2.77 0.00	42.70 2.61 0.00	45.22 2.48 -0.01	55.02 2.87 0.00	70.05 2.99 -1.95	70.21 2.56 -1.88	60.59 2.21 -0.31	52.03 2.62 0.00	42.58 1.91 0.00	40.51 2.36 0.00	34.24 2.18 0.00
CHAFFEE___LFGE 323603	20.39 -0.61 0.00	19.02 -0.59 0.00	16.83 -0.54 0.00	16.38 -0.35 0.00	16.39 -0.32 0.00	18.84 -0.13 0.00	21.63 0.17 0.00	23.86 -0.22 0.00	25.76 0.15 0.00	27.79 0.99 0.00	31.27 1.52 0.00	33.15 1.70 0.00	37.48 2.09 0.00	40.95 2.96 0.00	43.74 3.65 0.00	46.84 4.10 0.00	57.52 5.37 0.00	71.48 6.38 0.00	71.97 6.18 -0.02	63.39 5.28 -0.02	53.91 4.50 0.00	44.46 3.78 0.00	41.65 3.51 0.00	34.34 2.28 0.00
CHATEAUG_35_KV_LOAD 355732	20.56 -0.44 0.00	19.08 -0.53 0.00	16.84 -0.52 0.01	15.09 -0.59 1.06	16.15 -0.55 0.01	17.68 -0.68 0.61	20.71 -0.75 0.01	23.29 -0.77 0.01	24.74 -0.87 0.00	25.78 -1.02 0.00	28.80 -0.95 0.00	30.70 -0.75 0.00	34.51 -0.88 0.00	37.00 -0.99 0.00	38.97 -1.12 0.00	41.63 -1.11 0.00	50.95 -1.20 0.00	64.19 -0.91 0.00	65.57 -0.20 0.00	57.79 -0.29 0.00	48.33 -1.09 0.00	39.53 -1.14 0.00	36.84 -1.30 0.00	30.87 -1.19 0.00
CHATEAUG_WT_PWR 323614	20.71 -0.29 0.00	19.14 -0.47 0.00	16.82 -0.54 0.01	14.99 -0.67 1.07	16.13 -0.57 0.01	17.59 -0.76 0.62	20.75 -0.71 0.01	23.39 -0.67 0.01	24.69 -0.92 0.00	25.70 -1.10 0.00	28.89 -0.86 0.00	30.91 -0.53 0.00	34.72 -0.67 0.00	37.19 -0.80 0.00	39.13 -0.96 0.00	41.71 -1.03 0.00	47.93 -4.22 0.00	58.85 -6.25 0.00	60.44 -5.32 0.00	53.55 -4.53 0.00	44.57 -4.84 0.00	37.87 -2.81 0.00	35.24 -2.90 0.00	29.43 -2.63 0.00
CHAT_HIGH_FALL_HYD 323578	20.56 -0.44 0.00	19.08 -0.53 0.00	16.84 -0.52 0.01	15.09 -0.59 1.06	16.15 -0.55 0.01	17.68 -0.68 0.61	20.71 -0.75 0.01	23.29 -0.77 0.01	24.74 -0.87 0.00	25.78 -1.02 0.00	28.80 -0.95 0.00	30.70 -0.75 0.00	34.51 -0.88 0.00	37.00 -0.99 0.00	38.97 -1.12 0.00	41.63 -1.11 0.00	50.95 -1.20 0.00	64.19 -0.91 0.00	65.57 -0.20 0.00	57.79 -0.29 0.00	48.33 -1.09 0.00	39.53 -1.14 0.00	36.84 -1.30 0.00	30.87 -1.19 0.00
CHAUTAUQUA___LFGE 323629	20.31 -0.69 0.00	18.94 -0.67 0.00	16.79 -0.57 0.00	16.38 -0.35 0.00	16.41 -0.30 0.00	18.85 -0.11 0.00	21.70 0.24 0.00	24.02 -0.05 0.00	26.04 0.43 0.00	28.11 1.31 0.00	31.68 1.93 0.00	33.65 2.20 0.00	38.05 2.66 0.00	41.56 3.57 0.00	44.42 4.33 0.00	47.61 4.87 0.00	58.51 6.36 0.00	72.71 7.61 0.00	73.15 7.36 -0.02	64.61 6.50 -0.02	54.75 5.34 0.00	45.07 4.39 0.00	42.14 4.00 0.00	34.63 2.57 0.00
CHERRYST_13_KV_LD 356241	22.45 1.45 0.00	21.02 1.41 0.00	18.61 1.25 0.00	17.89 1.15 0.00	17.86 1.15 0.00	20.24 1.27 0.00	22.92 1.46 0.00	26.05 1.97 0.00	27.78 2.18 0.00	29.08 2.28 0.00	32.25 2.50 0.00	34.00 2.55 0.00	38.30 2.90 0.00	40.95 2.96 0.00	42.90 2.81 0.00	45.44 2.69 -0.01	55.28 3.13 0.00	70.31 3.25 -1.95	70.47 2.83 -1.88	60.83 2.44 -0.31	52.28 2.87 0.00	42.75 2.07 0.00	40.62 2.48 0.00	34.34 2.28 0.00



CHESTROR_138KV_BK263 355645	22.01 1.01 0.00	20.57 0.96 0.00	18.23 0.87 0.00	17.54 0.80 0.00	17.51 0.80 0.00	19.82 0.85 0.00	22.43 0.97 0.00	25.37 1.30 0.00	27.04 1.43 0.00	28.25 1.45 0.00	31.42 1.67 0.00	33.09 1.64 0.00	37.23 1.84 0.00	39.81 1.82 0.00	41.86 1.76 0.00	44.45 1.71 -0.01	54.18 2.03 0.00	68.79 2.08 -1.61	69.09 1.78 -1.55	59.90 1.57 -0.25	51.24 1.83 0.00	42.05 1.38 0.00	39.70 1.56 0.00	33.57 1.51 0.00
CH_MIDHUDSON___DRP 24192	22.24 1.24 0.00	20.77 1.16 0.00	18.41 1.04 0.00	17.69 0.95 0.00	17.66 0.95 0.00	20.01 1.04 0.00	22.64 1.18 0.00	25.59 1.52 0.00	27.25 1.64 0.00	28.46 1.66 0.00	31.62 1.87 0.00	33.31 1.86 0.00	37.48 2.09 0.00	40.08 2.09 0.00	42.18 2.08 0.00	44.75 2.01 0.00	54.55 2.40 0.00	69.00 2.54 -1.36	69.31 2.24 -1.30	60.21 1.92 -0.21	51.64 2.22 0.00	42.38 1.71 0.00	40.01 1.87 0.00	33.79 1.73 0.00
CH_MISC_IPPS 23765	22.33 1.32 0.00	20.85 1.24 0.00	18.46 1.09 0.00	17.74 1.00 0.00	17.73 1.02 0.00	20.07 1.10 0.00	22.73 1.27 0.00	25.69 1.61 0.00	27.40 1.79 0.00	28.63 1.82 0.00	31.86 2.11 0.00	33.56 2.11 0.00	37.77 2.37 0.00	40.38 2.39 0.00	42.50 2.41 0.00	45.22 2.48 0.00	55.28 3.13 0.00	70.18 3.58 -1.50	70.49 3.29 -1.44	61.04 2.73 -0.23	52.38 2.96 0.00	42.83 2.15 0.00	40.31 2.17 0.00	34.11 2.05 0.00
CH_RES_BVR_FALLS 23983	20.23 -0.78 0.00	18.85 -0.77 0.00	16.66 -0.70 0.01	14.38 -0.67 1.68	16.01 -0.69 0.01	17.22 -0.78 0.97	20.57 -0.88 0.01	23.15 -0.91 0.01	24.74 -0.87 0.00	25.92 -0.88 0.00	28.83 -0.92 0.00	30.63 -0.82 0.00	34.47 -0.92 0.00	37.00 -0.99 0.00	39.01 -1.08 0.00	41.67 -1.07 0.00	50.79 -1.36 0.00	63.67 -1.43 0.00	64.58 -1.18 0.00	56.92 -1.16 0.00	48.03 -1.38 0.00	39.45 -1.22 0.00	36.88 -1.26 0.00	30.97 -1.09 0.00
CH_RES_NIAGARA 23895	19.66 -1.34 0.00	18.38 -1.24 0.00	16.22 -1.15 0.00	15.77 -0.97 0.00	15.75 -0.95 0.00	18.13 -0.83 0.00	20.80 -0.67 0.00	22.72 -1.35 0.00	24.71 -0.90 0.00	26.67 -0.13 0.00	29.75 0.00 0.00	31.70 0.25 0.00	35.68 0.28 0.00	38.86 0.87 0.00	41.66 1.56 0.00	44.62 1.88 0.00	54.60 2.45 0.00	67.83 2.73 0.00	68.15 2.37 -0.02	60.37 2.27 -0.02	51.09 1.68 0.00	42.18 1.50 0.00	39.32 1.18 0.00	32.77 0.71 0.00
CH_RES_SYRACUSE 23985	20.94 -0.06 0.00	19.55 -0.06 0.00	17.31 -0.05 0.00	16.69 -0.05 0.00	16.67 -0.03 0.00	18.97 0.00 0.00	21.51 0.04 0.00	24.10 0.02 0.00	25.66 0.03 -0.03	27.41 0.19 -0.42	30.47 0.33 -0.39	32.51 0.35 -0.72	37.29 0.43 -1.47	40.53 0.57 -1.97	43.21 0.76 -2.36	46.43 0.85 -2.84	57.96 1.20 -4.61	73.69 1.50 -7.09	74.59 1.58 -7.25	65.67 1.57 -6.02	54.83 1.24 -4.18	44.13 0.94 -2.52	40.96 0.76 -2.06	33.40 0.45 -0.89
CLINTON_WT_PWR 323605	20.71 -0.29 0.00	19.14 -0.47 0.00	16.82 -0.54 0.01	14.99 -0.67 1.07	16.13 -0.57 0.01	17.59 -0.76 0.62	20.75 -0.71 0.01	23.39 -0.67 0.01	24.69 -0.92 0.00	25.70 -1.10 0.00	28.89 -0.86 0.00	30.91 -0.53 0.00	34.72 -0.67 0.00	37.19 -0.80 0.00	39.13 -0.96 0.00	41.71 -1.03 0.00	47.93 -4.22 0.00	58.85 -6.25 0.00	60.44 -5.32 0.00	53.55 -4.53 0.00	44.57 -4.84 0.00	37.87 -2.81 0.00	35.24 -2.90 0.00	29.43 -2.63 0.00
CLINTON___LFGE 323618	20.82 -0.19 0.00	19.28 -0.33 0.00	16.97 -0.38 0.01	15.18 -0.49 1.07	16.28 -0.42 0.01	17.78 -0.57 0.62	20.92 -0.54 0.01	23.58 -0.48 0.01	25.02 -0.59 0.00	26.02 -0.78 0.00	29.18 -0.57 0.00	31.14 -0.31 0.00	35.01 -0.39 0.00	37.49 -0.49 0.00	39.57 -0.52 0.00	42.23 -0.51 0.00	48.92 -3.23 0.00	60.35 -4.75 0.00	61.82 -3.94 0.00	54.65 -3.43 0.00	45.51 -3.90 0.00	38.48 -2.20 0.00	35.74 -2.40 0.00	29.91 -2.15 0.00
COBBLENY_34_KV_TB1 80064	20.40 -0.61 0.00	19.02 -0.59 0.00	16.83 -0.54 0.00	16.38 -0.35 0.00	16.39 -0.32 0.00	18.83 -0.13 0.00	21.64 0.17 0.00	23.71 -0.36 0.00	25.76 0.15 0.00	27.79 0.99 0.00	31.12 1.37 0.00	33.15 1.70 0.00	37.38 1.98 0.00	40.76 2.77 0.00	43.70 3.61 0.00	46.84 4.10 0.00	57.47 5.32 0.00	71.41 6.31 0.00	71.58 5.79 -0.02	63.28 5.17 -0.02	53.76 4.35 0.00	44.21 3.54 0.00	41.12 2.98 0.00	34.27 2.21 0.00
COFFEEN___115KV_TB3 355620	21.26 0.25 0.00	19.83 0.22 0.00	17.50 0.14 0.00	16.67 0.13 0.20	16.87 0.17 0.00	19.17 0.32 0.12	21.96 0.49 0.00	24.65 0.58 0.00	26.27 0.64 -0.02	27.80 0.64 -0.36	30.88 0.80 -0.33	33.03 0.97 -0.61	37.69 1.06 -1.24	40.95 1.29 -1.67	43.29 1.20 -2.00	46.68 1.54 -2.40	57.93 1.88 -3.90	74.16 3.06 -6.00	75.98 4.08 -6.13	67.53 4.36 -5.09	56.66 3.71 -3.54	45.45 2.64 -2.14	41.94 2.06 -1.74	34.32 1.51 -0.75
COLDSPRG_115KV_BK1 355956	20.54 -0.46 0.00	19.14 -0.47 0.00	16.98 -0.38 0.00	16.62 -0.12 0.00	16.64 -0.07 0.00	19.16 0.19 0.00	22.11 0.64 0.00	24.34 0.26 0.00	26.61 1.00 0.00	28.76 1.96 0.00	32.28 2.53 0.00	34.47 3.02 0.00	38.86 3.47 0.00	42.32 4.33 0.00	45.42 5.33 0.00	48.72 5.98 0.00	59.76 7.61 0.00	74.21 9.11 0.00	74.34 8.55 -0.03	65.66 7.55 -0.03	55.79 6.37 0.00	45.76 5.08 0.00	42.34 4.20 0.00	35.30 3.24 0.00
COLONIE_LFGE___ 323577	21.99 0.99 0.00	20.55 0.94 0.00	18.20 0.83 0.00	17.52 0.79 0.00	17.49 0.79 0.00	19.84 0.87 0.00	22.47 1.01 0.00	25.16 1.08 0.00	26.79 1.18 0.00	27.85 1.04 0.00	30.76 1.01 0.00	32.36 0.91 0.00	36.38 0.99 0.00	38.94 0.95 0.00	41.13 1.04 0.00	43.67 0.94 0.01	53.35 1.20 0.00	63.93 1.30 2.47	64.49 1.12 2.39	58.67 0.99 0.40	50.75 1.33 0.00	41.93 1.26 0.00	39.32 1.18 0.00	33.21 1.15 0.00
COOPERNY_115KV_TB1 80082	21.72 0.71 0.00	20.30 0.69 0.00	17.99 0.63 0.00	17.32 0.59 0.00	17.29 0.58 0.00	19.57 0.61 0.00	22.17 0.71 0.00	25.01 0.94 0.00	26.66 1.05 0.00	27.90 1.10 0.00	31.00 1.25 0.00	32.68 1.23 0.00	36.77 1.38 0.00	39.39 1.41 0.00	41.45 1.36 0.00	44.11 1.37 0.00	53.77 1.62 0.00	67.71 1.63 -0.98	68.09 1.38 -0.94	59.51 1.28 -0.15	50.85 1.43 0.00	41.77 1.10 0.00	39.36 1.22 0.00	33.21 1.15 0.00
COPENHAGEN_WT_PWR 323753	21.07 0.06 0.00	19.65 0.04 0.00	17.36 0.00 0.00	16.55 0.00 0.19	16.74 0.03 0.00	19.01 0.15 0.11	21.76 0.30 0.00	24.43 0.36 0.00	26.04 0.41 -0.03	27.60 0.43 -0.37	30.66 0.56 -0.35	32.78 0.69 -0.64	37.44 0.74 -1.30	40.68 0.95 -1.75	43.07 0.88 -2.09	46.36 1.11 -2.52	57.54 1.30 -4.09	73.61 2.21 -6.29	75.22 3.03 -6.43	66.73 3.31 -5.34	55.84 2.72 -3.71	44.86 1.95 -2.24	41.53 1.56 -1.83	33.94 1.09 -0.79
CORNELL_____ 23752	21.32 0.32 0.00	19.89 0.27 0.00	17.61 0.24 0.00	16.97 0.23 0.00	16.97 0.27 0.00	19.33 0.36 0.00	22.00 0.54 0.00	24.58 0.51 0.00	26.21 0.59 -0.02	27.81 0.78 -0.23	30.92 0.95 -0.21	32.82 0.97 -0.39	37.36 1.17 -0.80	40.47 1.41 -1.07	43.10 1.72 -1.29	46.25 1.97 -1.55	57.32 2.66 -2.51	72.70 3.91 -3.69	73.72 4.14 -3.81	65.14 3.89 -3.17	54.85 3.26 -2.18	44.51 2.52 -1.31	41.31 2.10 -1.07	34.09 1.57 -0.46



CORONA_69_KV_TB1 355595	32.22 1.79 -9.43	28.95 1.71 -7.63	23.92 1.53 -5.03	23.90 1.42 -5.75	24.49 1.42 -6.37	27.69 1.57 -7.15	32.03 1.78 -8.78	32.89 2.26 -6.55	33.03 2.46 -4.97	33.24 2.55 -3.89	43.39 2.77 -10.87	44.22 2.83 -9.94	45.16 3.19 -6.58	46.20 3.27 -4.94	48.26 3.21 -4.96	67.18 3.33 -21.11	79.29 3.81 -23.33	99.99 4.10 -30.79	96.66 3.75 -27.14	79.94 3.31 -18.55	63.80 3.66 -10.73	67.73 2.81 -24.25	43.23 3.09 -2.00	34.86 2.79 -0.02
CORTLAND_115KV_TB3 80093	21.26 0.25 0.00	19.83 0.22 0.00	17.55 0.19 0.00	16.94 0.20 0.00	16.92 0.22 0.00	19.27 0.30 0.00	21.91 0.45 0.00	24.53 0.46 0.00	26.19 0.56 -0.01	27.75 0.72 -0.22	30.85 0.89 -0.21	32.77 0.94 -0.38	37.26 1.10 -0.77	40.36 1.33 -1.04	42.90 1.56 -1.24	46.03 1.79 -1.50	56.93 2.35 -2.43	71.89 3.12 -3.66	72.75 3.22 -3.76	64.23 3.02 -3.13	54.14 2.57 -2.16	44.01 2.03 -1.30	40.88 1.68 -1.06	33.77 1.25 -0.46
COXSACKIE___GT 23611	22.43 1.43 0.00	20.91 1.29 0.00	18.46 1.09 0.00	17.76 1.02 0.00	17.73 1.02 0.00	20.09 1.12 0.00	22.82 1.35 0.00	25.47 1.40 0.00	27.20 1.59 0.00	28.14 1.34 0.00	31.06 1.31 0.00	32.64 1.19 0.00	36.91 1.52 0.00	39.55 1.56 0.00	41.98 1.88 0.00	44.91 2.18 0.00	55.33 3.18 0.00	69.09 4.69 0.70	70.08 5.00 0.68	62.20 4.24 0.12	53.51 4.10 0.00	43.93 3.25 0.00	40.77 2.63 0.00	34.24 2.18 0.00
CPV_VALLEY___CC1 323721	21.85 0.84 0.00	20.42 0.80 0.00	18.11 0.75 0.00	17.44 0.70 0.00	17.41 0.70 0.00	19.69 0.72 0.00	22.28 0.82 0.00	25.18 1.11 0.00	26.84 1.23 0.00	28.06 1.26 0.00	31.18 1.43 0.00	32.80 1.35 0.00	36.91 1.52 0.00	39.47 1.48 0.00	41.53 1.44 0.00	44.11 1.37 0.00	53.87 1.72 0.00	68.31 1.82 -1.39	68.62 1.51 -1.34	59.52 1.22 -0.22	50.95 1.53 0.00	41.77 1.10 0.00	39.40 1.26 0.00	33.34 1.28 0.00
CPV_VALLEY___CC2 323722	21.85 0.84 0.00	20.42 0.80 0.00	18.11 0.75 0.00	17.44 0.70 0.00	17.41 0.70 0.00	19.69 0.72 0.00	22.28 0.82 0.00	25.18 1.11 0.00	26.84 1.23 0.00	28.06 1.26 0.00	31.18 1.43 0.00	32.80 1.35 0.00	36.91 1.52 0.00	39.47 1.48 0.00	41.53 1.44 0.00	44.11 1.37 0.00	53.87 1.72 0.00	68.31 1.82 -1.39	68.62 1.51 -1.34	59.52 1.22 -0.22	50.95 1.53 0.00	41.77 1.10 0.00	39.40 1.26 0.00	33.34 1.28 0.00
CRESCENT___HYD 24018	21.99 0.99 0.00	20.55 0.94 0.00	18.20 0.83 0.00	17.52 0.79 0.00	17.49 0.79 0.00	19.84 0.87 0.00	22.47 1.01 0.00	25.16 1.08 0.00	26.79 1.18 0.00	27.85 1.04 0.00	30.76 1.01 0.00	32.36 0.91 0.00	36.38 0.99 0.00	38.94 0.95 0.00	41.13 1.04 0.00	43.67 0.94 0.01	53.35 1.20 0.00	63.93 1.30 2.47	64.49 1.12 2.39	58.67 0.99 0.40	50.75 1.33 0.00	41.93 1.26 0.00	39.32 1.18 0.00	33.21 1.15 0.00
CRICKET___VALLEY_CC1 323756	22.12 1.11 0.00	20.69 1.08 0.00	18.34 0.97 0.00	17.64 0.90 0.00	17.61 0.90 0.00	19.95 0.99 0.00	22.56 1.09 0.00	25.40 1.32 0.00	26.99 1.38 0.00	28.11 1.31 0.00	31.21 1.46 0.00	32.77 1.32 0.00	36.85 1.45 0.00	39.35 1.37 0.00	41.41 1.32 0.00	43.75 1.11 0.09	53.50 1.35 0.00	38.44 1.37 28.03	39.73 0.99 27.03	54.36 0.75 4.47	50.75 1.33 0.00	41.73 1.06 0.00	39.32 1.18 0.00	33.37 1.31 0.00
CRICKET___VALLEY_CC2 323757	22.12 1.11 0.00	20.69 1.08 0.00	18.34 0.97 0.00	17.64 0.90 0.00	17.61 0.90 0.00	19.95 0.99 0.00	22.56 1.09 0.00	25.40 1.32 0.00	26.99 1.38 0.00	28.11 1.31 0.00	31.21 1.46 0.00	32.77 1.32 0.00	36.85 1.45 0.00	39.35 1.37 0.00	41.41 1.32 0.00	43.75 1.11 0.09	53.50 1.35 0.00	38.44 1.37 28.03	39.73 0.99 27.03	54.36 0.75 4.47	50.75 1.33 0.00	41.73 1.06 0.00	39.32 1.18 0.00	33.37 1.31 0.00
CRICKET___VALLEY_CC3 323758	22.12 1.11 0.00	20.69 1.08 0.00	18.34 0.97 0.00	17.64 0.90 0.00	17.61 0.90 0.00	19.95 0.99 0.00	22.56 1.09 0.00	25.40 1.32 0.00	26.99 1.38 0.00	28.11 1.31 0.00	31.21 1.46 0.00	32.77 1.32 0.00	36.85 1.45 0.00	39.35 1.37 0.00	41.41 1.32 0.00	43.75 1.11 0.09	53.50 1.35 0.00	38.44 1.37 28.03	39.73 0.99 27.03	54.36 0.75 4.47	50.75 1.33 0.00	41.73 1.06 0.00	39.32 1.18 0.00	33.37 1.31 0.00
CRUCIBLE_METL_DRP 24180	20.94 -0.06 0.00	19.55 -0.06 0.00	17.31 -0.05 0.00	16.69 -0.05 0.00	16.67 -0.03 0.00	18.97 0.00 0.00	21.51 0.04 0.00	24.07 0.00 0.00	25.66 0.03 -0.03	27.41 0.19 -0.42	30.44 0.30 -0.39	32.51 0.35 -0.72	37.28 0.42 -1.47	40.49 0.53 -1.97	43.21 0.76 -2.36	46.43 0.85 -2.84	57.91 1.15 -4.61	73.62 1.43 -7.09	74.40 1.38 -7.25	65.49 1.39 -6.02	54.73 1.14 -4.18	44.09 0.89 -2.52	40.85 0.65 -2.06	33.37 0.42 -0.89
DAHOWA___HYDRO 323763	22.37 1.36 0.00	20.87 1.26 0.00	18.48 1.11 0.00	17.79 1.05 0.00	17.76 1.05 0.00	20.14 1.18 0.00	22.84 1.37 0.00	25.52 1.44 0.00	27.25 1.64 0.00	28.33 1.53 0.00	31.00 1.25 0.00	32.64 1.19 0.00	36.74 1.34 0.00	39.39 1.41 0.00	41.70 1.61 0.00	44.48 1.75 0.01	54.24 2.09 0.00	65.60 2.54 2.03	66.36 2.56 1.97	60.08 2.33 0.33	51.93 2.52 0.00	42.87 2.19 0.00	40.28 2.13 0.00	33.85 1.79 0.00
DANC___LFGE 323619	20.94 -0.06 0.00	19.53 -0.08 0.00	17.28 -0.09 0.00	16.53 -0.08 0.13	16.66 -0.05 0.00	18.91 0.02 0.07	21.57 0.11 0.00	24.22 0.15 0.00	25.77 0.13 -0.03	27.46 0.19 -0.47	30.48 0.30 -0.43	32.62 0.38 -0.80	37.45 0.43 -1.63	40.75 0.57 -2.19	43.23 0.52 -2.62	46.57 0.68 -3.16	58.05 0.78 -5.12	74.35 1.37 -7.88	75.73 1.91 -8.06	66.97 2.21 -6.68	55.84 1.78 -4.65	44.78 1.30 -2.80	41.50 1.07 -2.29	33.72 0.67 -0.99
DANSKAMMER___1 23586	22.33 1.32 0.00	20.85 1.24 0.00	18.46 1.09 0.00	17.74 1.00 0.00	17.73 1.02 0.00	20.07 1.10 0.00	22.73 1.27 0.00	25.69 1.61 0.00	27.40 1.79 0.00	28.63 1.82 0.00	31.86 2.11 0.00	33.56 2.11 0.00	37.77 2.37 0.00	40.38 2.39 0.00	42.50 2.41 0.00	45.22 2.48 0.00	55.28 3.13 0.00	70.18 3.58 -1.50	70.49 3.29 -1.44	61.04 2.73 -0.23	52.38 2.96 0.00	42.83 2.15 0.00	40.31 2.17 0.00	34.11 2.05 0.00
DANSKAMMER___2 23589	22.33 1.32 0.00	20.85 1.24 0.00	18.46 1.09 0.00	17.74 1.00 0.00	17.73 1.02 0.00	20.07 1.10 0.00	22.73 1.27 0.00	25.69 1.61 0.00	27.40 1.79 0.00	28.63 1.82 0.00	31.86 2.11 0.00	33.56 2.11 0.00	37.77 2.37 0.00	40.38 2.39 0.00	42.50 2.41 0.00	45.22 2.48 0.00	55.28 3.13 0.00	70.18 3.58 -1.50	70.49 3.29 -1.44	61.04 2.73 -0.23	52.38 2.96 0.00	42.83 2.15 0.00	40.31 2.17 0.00	34.11 2.05 0.00
DANSKAMMER___3 23590	22.33 1.32 0.00	20.85 1.24 0.00	18.46 1.09 0.00	17.74 1.00 0.00	17.73 1.02 0.00	20.07 1.10 0.00	22.73 1.27 0.00	25.69 1.61 0.00	27.40 1.79 0.00	28.63 1.82 0.00	31.86 2.11 0.00	33.56 2.11 0.00	37.77 2.37 0.00	40.38 2.39 0.00	42.50 2.41 0.00	45.22 2.48 0.00	55.28 3.13 0.00	70.18 3.58 -1.50	70.49 3.29 -1.44	61.04 2.73 -0.23	52.38 2.96 0.00	42.83 2.15 0.00	40.31 2.17 0.00	34.11 2.05 0.00



DANSKAMMER___4 23591	22.33 1.32 0.00	20.85 1.24 0.00	18.46 1.09 0.00	17.74 1.00 0.00	17.73 1.02 0.00	20.07 1.10 0.00	22.73 1.27 0.00	25.69 1.61 0.00	27.40 1.79 0.00	28.63 1.82 0.00	31.86 2.11 0.00	33.56 2.11 0.00	37.77 2.37 0.00	40.38 2.39 0.00	42.50 2.41 0.00	45.22 2.48 0.00	55.28 3.13 0.00	70.18 3.58 -1.50	70.49 3.29 -1.44	61.04 2.73 -0.23	52.38 2.96 0.00	42.83 2.15 0.00	40.31 2.17 0.00	34.11 2.05 0.00
DANSKAMMER___DIESEL 23592	22.33 1.32 0.00	20.85 1.24 0.00	18.46 1.09 0.00	17.74 1.00 0.00	17.73 1.02 0.00	20.07 1.10 0.00	22.73 1.27 0.00	25.69 1.61 0.00	27.40 1.79 0.00	28.62 1.82 0.00	31.86 2.11 0.00	33.56 2.11 0.00	37.77 2.37 0.00	40.42 2.43 0.00	42.50 2.41 0.00	45.22 2.48 0.00	55.17 3.02 0.00	69.92 3.32 -1.50	70.23 3.03 -1.44	60.93 2.61 -0.23	52.18 2.77 0.00	42.75 2.07 0.00	40.32 2.17 0.00	34.05 1.99 0.00
DARBY___SOLAR 323810	22.29 1.28 0.00	20.81 1.20 0.00	18.41 1.04 0.00	17.72 0.99 0.00	17.69 0.99 0.00	20.07 1.10 0.00	22.75 1.29 0.00	25.44 1.37 0.00	27.14 1.54 0.00	28.25 1.45 0.00	31.00 1.25 0.00	32.61 1.16 0.00	36.70 1.31 0.00	39.35 1.37 0.00	41.61 1.52 0.00	44.39 1.67 0.01	54.13 1.98 0.00	65.33 2.34 2.11	66.03 2.30 2.04	59.83 2.09 0.34	51.69 2.27 0.00	42.66 1.99 0.00	40.09 1.94 0.00	33.73 1.67 0.00
DASHVILLE___HYD 23610	22.05 1.05 0.00	20.59 0.98 0.00	18.23 0.87 0.00	17.54 0.80 0.00	17.51 0.80 0.00	19.82 0.85 0.00	22.41 0.94 0.00	25.35 1.28 0.00	26.99 1.38 0.00	28.20 1.39 0.00	31.42 1.67 0.00	33.09 1.64 0.00	37.23 1.84 0.00	39.81 1.82 0.00	41.82 1.72 0.00	44.45 1.71 0.00	54.18 2.03 0.00	68.64 2.73 -0.80	69.03 2.50 -0.77	60.35 2.15 -0.12	51.29 1.88 0.00	42.05 1.38 0.00	39.70 1.56 0.00	33.60 1.54 0.00
DEERFIELD_69_KV_DEERFIELD LD 355887	32.76 2.33 -9.43	29.46 2.22 -7.63	24.35 1.96 -5.03	24.34 1.86 -5.75	24.98 1.90 -6.37	28.21 2.09 -7.15	32.65 2.40 -8.78	33.56 2.94 -6.55	33.80 3.23 -4.97	34.05 3.35 -3.89	44.28 3.66 -10.87	45.23 3.84 -9.94	46.37 4.39 -6.58	47.53 4.60 -4.94	49.65 4.69 -4.87	67.56 5.04 -19.79	79.53 6.15 -21.22	99.90 7.49 -27.32	97.00 7.17 -24.07	80.83 6.21 -16.54	64.66 5.58 -9.67	67.92 4.35 -22.89	45.10 4.96 -2.00	36.37 4.30 -0.02
DELAWARE___LFGE 323621	21.66 0.65 0.00	20.24 0.63 0.00	17.90 0.54 0.00	17.24 0.50 0.00	17.22 0.52 0.00	19.56 0.59 0.00	22.19 0.73 0.00	24.92 0.84 0.00	26.61 1.00 0.00	27.94 1.07 -0.06	31.06 1.25 -0.06	32.85 1.29 -0.11	37.10 1.49 -0.22	39.92 1.63 -0.30	42.18 1.72 -0.36	45.05 1.88 -0.43	55.10 2.24 -0.71	68.77 2.47 -1.20	69.77 2.50 -1.51	61.70 2.32 -1.30	52.35 2.22 -0.71	42.85 1.75 -0.43	40.13 1.64 -0.35	33.59 1.38 -0.15
DERFIELD_115KV_TB7 355931	21.15 0.15 0.00	19.77 0.16 0.00	17.49 0.12 0.00	16.91 0.12 -0.05	16.82 0.12 0.00	19.13 0.13 -0.03	21.64 0.17 0.00	24.27 0.19 0.00	25.81 0.20 0.00	27.02 0.21 0.00	29.99 0.24 0.00	31.67 0.22 0.00	35.64 0.25 0.00	38.25 0.27 0.00	40.37 0.28 0.00	43.04 0.30 0.00	52.46 0.31 0.00	65.42 0.33 0.00	66.03 0.26 0.00	58.37 0.29 0.00	49.76 0.35 0.00	40.96 0.28 0.00	38.45 0.31 0.00	32.32 0.26 0.00
DOGLEVILLE___HYD 23807	21.26 0.25 0.00	19.89 0.27 0.00	17.59 0.23 0.00	17.01 0.22 -0.05	16.94 0.23 0.00	19.28 0.28 -0.03	21.83 0.36 0.00	24.51 0.43 0.00	26.09 0.49 0.00	27.37 0.56 0.00	30.40 0.65 0.00	32.11 0.66 0.00	36.17 0.78 0.00	38.86 0.87 0.00	40.97 0.88 0.00	43.72 0.98 0.00	53.35 1.20 0.00	66.66 1.56 0.00	67.34 1.58 0.00	59.47 1.39 0.00	50.70 1.28 0.00	41.65 0.97 0.00	39.02 0.88 0.00	32.83 0.77 0.00
DUNKIRK___115KV_TB_200 55889	20.33 -0.67 0.00	18.98 -0.63 0.00	16.81 -0.56 0.00	16.38 -0.35 0.00	16.41 -0.30 0.00	18.85 -0.11 0.00	21.70 0.24 0.00	23.88 -0.19 0.00	25.99 0.38 0.00	28.09 1.29 0.00	31.48 1.73 0.00	33.56 2.11 0.00	37.84 2.44 0.00	41.25 3.27 0.00	44.26 4.17 0.00	47.48 4.74 0.00	58.30 6.15 0.00	72.39 7.29 0.00	72.56 6.77 -0.02	64.20 6.10 -0.02	54.41 4.99 0.00	44.70 4.03 0.00	41.50 3.36 0.00	34.50 2.44 0.00
DUNKIRK___1 23563	20.33 -0.67 0.00	18.98 -0.63 0.00	16.81 -0.56 0.00	16.38 -0.35 0.00	16.41 -0.30 0.00	18.85 -0.11 0.00	21.70 0.24 0.00	23.88 -0.19 0.00	25.99 0.38 0.00	28.09 1.29 0.00	31.48 1.73 0.00	33.56 2.11 0.00	37.84 2.44 0.00	41.25 3.27 0.00	44.26 4.17 0.00	47.48 4.74 0.00	58.30 6.15 0.00	72.39 7.29 0.00	72.56 6.77 -0.02	64.20 6.10 -0.02	54.41 4.99 0.00	44.70 4.03 0.00	41.50 3.36 0.00	34.50 2.44 0.00
DUNKIRK___2 23564	20.33 -0.67 0.00	18.98 -0.63 0.00	16.81 -0.56 0.00	16.38 -0.35 0.00	16.41 -0.30 0.00	18.85 -0.11 0.00	21.70 0.24 0.00	23.88 -0.19 0.00	25.99 0.38 0.00	28.09 1.29 0.00	31.48 1.73 0.00	33.56 2.11 0.00	37.84 2.44 0.00	41.25 3.27 0.00	44.26 4.17 0.00	47.48 4.74 0.00	58.30 6.15 0.00	72.39 7.29 0.00	72.56 6.77 -0.02	64.20 6.10 -0.02	54.41 4.99 0.00	44.70 4.03 0.00	41.50 3.36 0.00	34.50 2.44 0.00
DUNKIRK___3 23565	20.33 -0.67 0.00	18.98 -0.63 0.00	16.79 -0.57 0.00	16.37 -0.37 0.00	16.37 -0.33 0.00	18.82 -0.15 0.00	21.61 0.15 0.00	23.76 -0.31 0.00	25.84 0.23 0.00	27.87 1.07 0.00	31.24 1.49 0.00	33.27 1.82 0.00	37.52 2.12 0.00	40.91 2.93 0.00	43.86 3.77 0.00	47.05 4.32 0.00	57.73 5.58 0.00	71.67 6.58 0.00	71.91 6.12 -0.02	63.51 5.40 -0.02	53.86 4.45 0.00	44.29 3.62 0.00	41.15 3.01 0.00	34.27 2.21 0.00
DUNKIRK___4 23566	20.33 -0.67 0.00	18.98 -0.63 0.00	16.79 -0.57 0.00	16.37 -0.37 0.00	16.37 -0.33 0.00	18.82 -0.15 0.00	21.61 0.15 0.00	23.76 -0.31 0.00	25.84 0.23 0.00	27.87 1.07 0.00	31.24 1.49 0.00	33.27 1.82 0.00	37.52 2.12 0.00	40.91 2.93 0.00	43.86 3.77 0.00	47.05 4.32 0.00	57.73 5.58 0.00	71.67 6.58 0.00	71.91 6.12 -0.02	63.51 5.40 -0.02	53.86 4.45 0.00	44.29 3.62 0.00	41.15 3.01 0.00	34.27 2.21 0.00
DUNWOODS_138_KV_38W08_REV_LBMP_I 345000	22.33 1.32 0.00	20.87 1.26 0.00	18.49 1.13 0.00	17.77 1.04 0.00	17.74 1.04 0.00	20.12 1.16 0.00	22.77 1.31 0.00	25.83 1.76 0.00	27.53 1.92 0.00	28.79 1.98 0.00	31.95 2.20 0.00	33.68 2.23 0.00	37.91 2.51 0.00	40.53 2.55 0.00	42.54 2.45 0.00	45.09 2.35 -0.01	54.86 2.71 0.00	69.92 2.86 -1.95	70.14 2.50 -1.88	60.48 2.09 -0.31	51.89 2.47 0.00	42.50 1.83 0.00	40.32 2.17 0.00	34.08 2.02 0.00
E.WALDEN_115_KV_TR_1_REV_LBMP_G 345009	22.16 1.16 0.00	20.69 1.08 0.00	18.32 0.96 0.00	17.62 0.89 0.00	17.61 0.90 0.00	19.94 0.97 0.00	22.56 1.09 0.00	25.52 1.44 0.00	27.20 1.59 0.00	28.44 1.63 0.00	31.62 1.87 0.00	33.31 1.86 0.00	37.48 2.09 0.00	40.08 2.09 0.00	42.14 2.04 0.00	44.79 2.05 0.00	54.60 2.45 0.00	69.19 2.60 -1.49	69.56 2.37 -1.43	60.35 2.03 -0.23	51.69 2.27 0.00	42.34 1.67 0.00	39.97 1.83 0.00	33.79 1.73 0.00



E179THST_138_KV_TB4_REV_LBMP_J 345001	22.50 1.49 -0.01	21.07 1.45 -0.01	18.63 1.27 0.00	17.86 1.12 0.00	17.83 1.12 0.00	20.14 1.18 0.00	22.73 1.27 0.00	25.78 1.71 0.00	27.50 1.89 0.00	28.76 1.96 0.00	31.92 2.17 0.00	33.65 2.20 0.00	37.94 2.55 0.00	40.53 2.55 0.00	42.38 2.29 0.00	44.84 2.09 -0.01	54.33 2.19 0.01	69.26 2.21 -1.95	69.48 1.84 -1.87	59.95 1.57 -0.30	51.44 2.03 0.00	42.18 1.50 0.00	40.51 2.36 0.00	34.27 2.21 0.00
E179THST_13_KV_LOAD 356214	22.61 1.60 -0.01	21.17 1.55 -0.01	18.70 1.34 0.00	17.92 1.19 0.00	17.89 1.19 0.00	20.22 1.25 0.00	22.82 1.35 0.00	25.90 1.83 0.00	27.66 2.05 0.00	28.92 2.12 0.00	32.10 2.35 0.00	33.84 2.39 0.00	38.15 2.76 0.00	40.76 2.77 0.00	42.62 2.53 0.00	45.09 2.35 -0.01	54.70 2.56 0.01	69.71 2.67 -1.95	70.00 2.37 -1.87	60.35 1.97 -0.30	51.84 2.42 0.00	42.42 1.75 0.00	40.77 2.63 0.00	34.46 2.40 0.00
EAST HAMPTON___GT 23717	33.06 2.63 -9.43	29.73 2.49 -7.63	24.60 2.21 -5.03	24.59 2.11 -5.75	25.19 2.12 -6.37	28.47 2.35 -7.15	32.97 2.73 -8.78	33.92 3.30 -6.55	34.21 3.63 -4.97	34.50 3.80 -3.89	44.84 4.22 -10.87	45.76 4.37 -9.94	47.00 5.02 -6.58	48.25 5.32 -4.94	50.46 5.49 -4.87	68.50 5.98 -19.78	80.88 7.51 -21.22	101.92 9.50 -27.31	99.04 9.21 -24.07	82.28 7.67 -16.53	65.90 6.82 -9.67	68.85 5.29 -22.89	45.83 5.68 -2.00	37.01 4.94 -0.02
EAST RIVER___6 23660	22.41 1.41 0.00	20.96 1.35 0.00	18.58 1.22 0.00	17.84 1.10 0.00	17.79 1.09 0.00	20.16 1.20 0.00	22.84 1.37 0.00	25.93 1.85 0.00	27.68 2.07 0.00	28.95 2.14 0.00	32.13 2.38 0.00	33.84 2.39 0.00	38.08 2.69 0.00	40.69 2.70 0.00	42.70 2.60 0.00	45.18 2.43 -0.01	55.07 2.92 0.00	70.37 3.32 -1.95	70.47 2.83 -1.88	60.59 2.21 -0.31	52.28 2.86 0.00	42.66 1.99 0.00	40.51 2.37 0.00	34.30 2.24 0.00
EAST RIVER___7 23524	22.41 1.41 0.00	20.96 1.35 0.00	18.58 1.22 0.00	17.84 1.10 0.00	17.79 1.09 0.00	20.16 1.20 0.00	22.84 1.37 0.00	25.93 1.85 0.00	27.68 2.07 0.00	28.95 2.14 0.00	32.13 2.38 0.00	33.84 2.39 0.00	38.08 2.69 0.00	40.69 2.70 0.00	42.70 2.60 0.00	45.18 2.43 -0.01	55.07 2.92 0.00	70.37 3.32 -1.95	70.47 2.83 -1.88	60.59 2.21 -0.31	52.28 2.86 0.00	42.66 1.99 0.00	40.51 2.37 0.00	34.30 2.24 0.00
EASTVIEW_138_KV_38W32_REV_LBMP_I 345002	22.29 1.28 0.00	20.83 1.22 0.00	18.46 1.09 0.00	17.76 1.02 0.00	17.71 1.00 0.00	20.07 1.10 0.00	22.73 1.27 0.00	25.76 1.69 0.00	27.45 1.84 0.00	28.70 1.90 0.00	31.86 2.11 0.00	33.59 2.14 0.00	37.80 2.41 0.00	40.38 2.39 0.00	42.42 2.33 0.00	44.97 2.22 -0.01	54.70 2.56 0.00	69.72 2.67 -1.95	69.94 2.30 -1.87	60.36 1.97 -0.30	51.74 2.32 0.00	42.38 1.71 0.00	40.20 2.06 0.00	33.98 1.92 0.00
EAST_HAMPTON___DIESEL 23722	33.06 2.63 -9.43	29.73 2.49 -7.63	24.60 2.21 -5.03	24.59 2.11 -5.75	25.21 2.14 -6.37	28.47 2.35 -7.15	32.97 2.73 -8.78	33.92 3.30 -6.55	34.21 3.63 -4.97	34.53 3.83 -3.89	44.84 4.22 -10.87	45.79 4.40 -9.94	47.04 5.06 -6.58	48.25 5.32 -4.94	50.46 5.49 -4.87	68.55 6.03 -19.78	80.88 7.51 -21.22	101.99 9.57 -27.31	99.04 9.21 -24.07	82.28 7.67 -16.53	65.95 6.87 -9.67	68.85 5.29 -22.89	45.86 5.72 -2.00	37.05 4.97 -0.02
EAST_POINT___SOLAR 323840	22.64 1.64 0.00	21.14 1.53 0.00	18.65 1.28 0.00	17.97 1.24 0.00	17.98 1.27 0.00	20.41 1.44 0.00	23.16 1.70 0.00	25.47 1.40 0.00	27.14 1.54 0.00	28.49 1.69 0.00	31.00 1.25 0.00	32.90 1.45 0.00	37.37 1.98 0.00	40.11 2.13 0.00	41.81 1.72 0.00	46.36 3.63 0.00	55.07 2.92 0.00	68.70 4.69 1.09	72.38 7.69 1.08	65.61 7.73 0.20	56.04 6.62 0.00	45.96 5.29 0.00	42.75 4.61 0.00	35.62 3.56 0.00
EAST_PULASKI___ESR 323781	20.84 -0.17 0.00	19.43 -0.18 0.00	17.21 -0.16 0.00	16.52 -0.15 0.06	16.57 -0.13 0.00	18.84 -0.09 0.04	21.42 -0.04 0.00	24.00 -0.07 0.00	25.55 -0.10 -0.04	27.45 -0.03 -0.67	30.43 0.06 -0.62	32.65 0.06 -1.14	37.83 0.11 -2.33	41.35 0.23 -3.13	44.00 0.16 -3.75	47.47 0.21 -4.51	59.74 0.26 -7.33	76.90 0.52 -11.28	78.09 0.79 -11.53	68.69 1.05 -9.56	56.86 0.79 -6.65	45.30 0.61 -4.01	41.99 0.57 -3.28	33.76 0.29 -1.41
EAST_RIVER___1 323558	22.41 1.41 0.00	20.96 1.35 0.00	18.58 1.22 0.00	17.84 1.10 0.00	17.81 1.10 0.00	20.18 1.21 0.00	22.84 1.37 0.00	25.95 1.88 0.00	27.68 2.07 0.00	28.95 2.14 0.00	32.13 2.38 0.00	33.84 2.39 0.00	38.12 2.73 0.00	40.72 2.74 0.00	42.70 2.60 0.00	45.22 2.48 -0.01	55.12 2.97 0.00	70.44 3.38 -1.95	70.53 2.89 -1.88	60.71 2.33 -0.31	52.23 2.82 0.00	42.70 2.03 0.00	40.47 2.33 0.00	34.30 2.24 0.00
EAST_RIVER___2 323559	22.41 1.41 0.00	20.96 1.35 0.00	18.58 1.22 0.00	17.84 1.10 0.00	17.79 1.09 0.00	20.16 1.20 0.00	22.84 1.37 0.00	25.93 1.85 0.00	27.68 2.07 0.00	28.95 2.14 0.00	32.13 2.38 0.00	33.84 2.39 0.00	38.08 2.69 0.00	40.69 2.70 0.00	42.70 2.60 0.00	45.18 2.43 -0.01	55.07 2.92 0.00	70.37 3.32 -1.95	70.47 2.83 -1.88	60.59 2.21 -0.31	52.28 2.86 0.00	42.66 1.99 0.00	40.51 2.37 0.00	34.30 2.24 0.00
EAST___DELAWARE_HYD 23607	21.87 0.86 0.00	20.40 0.79 0.00	18.04 0.68 0.00	17.36 0.62 0.00	17.32 0.62 0.00	19.61 0.65 0.00	22.21 0.75 0.00	25.11 1.03 0.00	26.81 1.20 0.00	27.82 1.02 0.00	30.97 1.22 0.00	32.58 1.13 0.00	36.70 1.31 0.00	39.28 1.29 0.00	41.34 1.24 0.00	44.02 1.28 0.00	53.92 1.77 0.00	68.36 2.15 -1.12	68.81 1.97 -1.07	59.82 1.57 -0.17	51.34 1.93 0.00	42.26 1.58 0.00	39.67 1.53 0.00	33.54 1.48 0.00
EIGHT_POINT___WT_PWR 323820	20.46 -0.55 0.00	19.08 -0.53 0.00	16.86 -0.50 0.00	16.35 -0.38 0.00	16.41 -0.30 0.00	18.82 -0.15 0.00	21.63 0.17 0.00	24.19 0.12 0.00	26.10 0.49 -0.01	28.07 1.18 -0.09	31.53 1.69 -0.08	33.42 1.82 -0.15	37.97 2.27 -0.31	41.33 2.93 -0.42	44.04 3.45 -0.50	47.23 3.89 -0.60	58.39 5.26 -0.97	73.15 6.57 -1.48	74.02 6.71 -1.54	65.23 5.86 -1.28	55.18 4.89 -0.87	45.06 3.87 -0.53	42.08 3.51 -0.43	34.55 2.31 -0.19
ELBRIDGE_115KV_TB2 80188	20.86 -0.15 0.00	19.47 -0.14 0.00	17.22 -0.14 0.00	16.62 -0.12 0.00	16.61 -0.10 0.00	18.91 -0.06 0.00	21.44 -0.02 0.00	23.98 -0.10 0.00	25.56 -0.08 -0.03	27.33 0.08 -0.45	30.34 0.18 -0.41	32.43 0.22 -0.76	37.23 0.28 -1.55	40.45 0.38 -2.09	43.19 0.60 -2.50	46.43 0.68 -3.01	58.03 0.99 -4.89	73.85 1.24 -7.51	74.63 1.18 -7.68	65.67 1.22 -6.37	54.83 0.99 -4.43	44.12 0.77 -2.67	40.86 0.53 -2.18	33.32 0.32 -0.94
ELEC_TRO_TEK 24086	32.09 1.66 -9.43	28.83 1.59 -7.63	23.81 1.42 -5.03	23.80 1.32 -5.75	24.39 1.32 -6.37	27.58 1.46 -7.15	31.90 1.65 -8.78	32.74 2.12 -6.55	32.90 2.33 -4.97	33.08 2.39 -3.89	43.21 2.59 -10.87	44.00 2.61 -9.94	44.92 2.94 -6.58	45.93 3.00 -4.94	47.94 2.89 -4.96	66.75 2.91 -21.11	78.87 3.39 -23.33	99.60 3.71 -30.79	96.20 3.29 -27.14	79.53 2.90 -18.55	63.26 3.11 -10.73	67.33 2.40 -24.25	42.89 2.75 -2.00	34.61 2.53 -0.02



ELLENBURG_WT_PWR 323604	20.71 -0.29 0.00	19.14 -0.47 0.00	16.82 -0.54 0.01	14.99 -0.67 1.07	16.13 -0.57 0.01	17.59 -0.76 0.62	20.75 -0.71 0.01	23.39 -0.67 0.01	24.69 -0.92 0.00	25.70 -1.10 0.00	28.89 -0.86 0.00	30.91 -0.53 0.00	34.72 -0.67 0.00	37.19 -0.80 0.00	39.13 -0.96 0.00	41.71 -1.03 0.00	47.93 -4.22 0.00	58.85 -6.25 0.00	60.44 -5.32 0.00	53.55 -4.53 0.00	44.57 -4.84 0.00	37.87 -2.81 0.00	35.24 -2.90 0.00	29.43 -2.63 0.00
ELM_ST_23_KV_LD_REV_LBMP_A 345012	20.23 -0.78 0.00	18.89 -0.73 0.00	16.69 -0.68 0.00	16.25 -0.49 0.00	16.26 -0.45 0.00	18.68 -0.28 0.00	21.44 -0.02 0.00	23.50 -0.58 0.00	25.53 -0.08 0.00	27.53 0.72 0.00	30.79 1.04 0.00	32.80 1.35 0.00	36.99 1.59 0.00	40.31 2.32 0.00	43.18 3.09 0.00	46.28 3.55 0.00	56.74 4.59 0.00	70.50 5.40 0.00	70.72 4.93 -0.02	62.58 4.47 -0.02	53.07 3.66 0.00	43.68 3.01 0.00	40.66 2.52 0.00	33.89 1.83 0.00
EMPIRE_CC_1 323656	21.93 0.92 0.00	20.49 0.88 0.00	18.16 0.80 0.00	17.49 0.75 0.00	17.46 0.75 0.00	19.78 0.82 0.00	22.39 0.92 0.00	25.08 1.01 0.00	26.71 1.10 0.00	27.61 0.80 0.00	30.55 0.80 0.00	32.11 0.66 0.00	36.06 0.67 0.00	38.56 0.57 0.00	40.69 0.60 0.00	43.11 0.38 0.01	52.62 0.47 0.00	62.12 0.33 3.31	62.70 0.13 3.19	57.67 0.12 0.53	50.06 0.64 0.00	41.32 0.65 0.00	38.79 0.65 0.00	32.86 0.80 0.00
EMPIRE_CC_2 323658	21.93 0.92 0.00	20.49 0.88 0.00	18.16 0.80 0.00	17.49 0.75 0.00	17.46 0.75 0.00	19.78 0.82 0.00	22.39 0.92 0.00	25.08 1.01 0.00	26.71 1.10 0.00	27.61 0.80 0.00	30.55 0.80 0.00	32.11 0.66 0.00	36.06 0.67 0.00	38.56 0.57 0.00	40.69 0.60 0.00	43.11 0.38 0.01	52.62 0.47 0.00	62.12 0.33 3.31	62.70 0.13 3.19	57.67 0.12 0.53	50.06 0.64 0.00	41.32 0.65 0.00	38.79 0.65 0.00	32.86 0.80 0.00
ENORWICH_115KV_TB1 80156	22.08 1.07 0.00	20.65 1.04 0.00	18.15 0.78 0.00	17.49 0.75 0.00	17.49 0.79 0.00	19.97 1.01 0.00	22.84 1.37 0.00	26.34 2.26 0.00	28.36 2.74 -0.01	29.97 3.06 -0.11	33.60 3.75 -0.10	35.82 4.18 -0.19	40.66 4.88 -0.38	44.28 5.77 -0.52	46.93 6.21 -0.62	50.49 7.01 -0.75	62.59 9.23 -1.21	76.25 8.40 -2.76	77.84 9.14 -2.94	69.08 8.54 -2.46	58.35 7.31 -1.63	47.14 5.49 -0.98	43.52 4.58 -0.80	35.96 3.56 -0.35
ERIE_ST_34_KV_TB1-2 80199	20.50 -0.50 0.00	19.14 -0.47 0.00	16.91 -0.45 0.00	16.48 -0.25 0.00	16.49 -0.22 0.00	18.93 -0.04 0.00	21.76 0.30 0.00	23.81 -0.26 0.00	25.89 0.28 0.00	27.93 1.13 0.00	31.30 1.55 0.00	33.34 1.89 0.00	37.59 2.19 0.00	41.03 3.04 0.00	43.98 3.89 0.00	47.14 4.40 0.00	57.83 5.68 0.00	71.80 6.71 0.00	71.91 6.12 -0.02	63.22 5.11 -0.02	53.96 4.55 0.00	44.37 3.70 0.00	41.23 3.09 0.00	34.50 2.44 0.00
ERIE_WT_PWR 323693	20.35 -0.65 0.00	19.00 -0.61 0.00	16.81 -0.56 0.00	16.35 -0.38 0.00	16.35 -0.35 0.00	18.82 -0.15 0.00	21.59 0.13 0.00	23.81 -0.26 0.00	25.71 0.10 0.00	27.74 0.94 0.00	31.18 1.43 0.00	33.05 1.60 0.00	37.37 1.98 0.00	40.80 2.81 0.00	43.58 3.49 0.00	46.67 3.93 0.00	57.26 5.11 0.00	71.15 6.06 0.00	71.71 5.92 -0.02	63.22 5.11 -0.02	53.71 4.30 0.00	44.33 3.66 0.00	41.58 3.43 0.00	34.24 2.18 0.00
ESPRGFLD_115KV_TB1 80157	22.10 1.09 0.00	20.63 1.02 0.00	18.20 0.83 0.00	17.54 0.80 0.00	17.54 0.84 0.00	19.95 0.99 0.00	22.71 1.24 0.00	25.37 1.30 0.00	27.12 1.51 0.00	28.46 1.66 0.00	31.54 1.79 0.00	33.37 1.92 0.00	37.69 2.30 0.00	40.57 2.58 0.00	42.74 2.65 0.00	46.15 3.42 0.00	56.01 3.86 0.00	69.64 5.14 0.61	71.18 6.05 0.63	63.74 5.81 0.15	54.41 4.99 0.00	44.54 3.86 0.00	41.50 3.36 0.00	34.66 2.60 0.00
ETNA_115_KV_TB1_REV_LBMP_C 345029	21.30 0.29 0.00	19.87 0.25 0.00	17.59 0.23 0.00	16.97 0.23 0.00	16.96 0.25 0.00	19.31 0.34 0.00	21.96 0.49 0.00	24.53 0.46 0.00	26.19 0.56 -0.02	27.76 0.72 -0.24	30.86 0.89 -0.22	32.77 0.91 -0.40	37.32 1.10 -0.83	40.39 1.29 -1.11	43.03 1.60 -1.33	46.18 1.84 -1.60	57.26 2.50 -2.61	72.63 3.71 -3.82	73.59 3.88 -3.94	65.02 3.66 -3.28	54.73 3.06 -2.25	44.43 2.40 -1.36	41.24 1.98 -1.11	34.01 1.47 -0.48
ETNA____115KV_TB2 80207	21.30 0.29 0.00	19.87 0.25 0.00	17.59 0.23 0.00	16.97 0.23 0.00	16.96 0.25 0.00	19.31 0.34 0.00	21.96 0.49 0.00	24.53 0.46 0.00	26.19 0.56 -0.02	27.76 0.72 -0.24	30.86 0.89 -0.22	32.77 0.91 -0.40	37.32 1.10 -0.83	40.39 1.29 -1.11	43.03 1.60 -1.33	46.18 1.84 -1.60	57.26 2.50 -2.61	72.63 3.71 -3.82	73.59 3.88 -3.94	65.02 3.66 -3.28	54.73 3.06 -2.25	44.43 2.40 -1.36	41.24 1.98 -1.11	34.01 1.47 -0.48
EUCLID____115KV_TB2 356179	20.77 -0.23 0.00	19.38 -0.24 0.00	17.16 -0.21 0.00	16.55 -0.18 0.00	16.52 -0.18 0.00	18.82 -0.15 0.00	21.31 -0.15 0.00	23.86 -0.22 0.00	25.39 -0.23 -0.01	26.91 -0.08 -0.19	29.90 -0.03 -0.18	31.75 -0.03 -0.33	36.06 0.00 -0.67	38.96 0.08 -0.90	41.41 0.24 -1.08	44.34 0.30 -1.30	54.68 0.42 -2.11	68.86 0.52 -3.24	69.54 0.46 -3.32	61.36 0.52 -2.75	51.72 0.40 -1.91	42.15 0.33 -1.15	39.23 0.15 -0.94	32.50 0.03 -0.41
E_CANADA_CAP_HY 24051	22.41 1.41 0.00	20.93 1.31 0.00	18.48 1.11 0.00	17.79 1.05 0.00	17.79 1.09 0.00	20.22 1.25 0.00	22.99 1.52 0.00	25.57 1.49 0.00	27.27 1.66 0.00	28.57 1.77 0.00	31.45 1.69 0.00	33.27 1.82 0.00	37.66 2.27 0.00	40.49 2.51 0.00	42.54 2.45 0.00	46.36 3.63 0.00	56.06 3.91 0.00	69.65 5.47 0.92	71.88 7.04 0.92	64.75 6.85 0.18	55.34 5.93 0.00	45.35 4.68 0.00	42.22 4.08 0.00	35.17 3.11 0.00
E_CANADA_MHWK_HY 24050	21.26 0.25 0.00	19.89 0.27 0.00	17.59 0.23 0.00	17.01 0.22 -0.05	16.94 0.23 0.00	19.28 0.28 -0.03	21.83 0.36 0.00	24.51 0.43 0.00	26.09 0.49 0.00	27.37 0.56 0.00	30.40 0.65 0.00	32.11 0.66 0.00	36.17 0.78 0.00	38.86 0.87 0.00	40.97 0.88 0.00	43.72 0.98 0.00	53.35 1.20 0.00	66.66 1.56 0.00	67.34 1.58 0.00	59.47 1.39 0.00	50.70 1.28 0.00	41.65 0.97 0.00	39.02 0.88 0.00	32.83 0.77 0.00
E_FISHKILL____LBMP 23776	22.14 1.13 0.00	20.71 1.10 0.00	18.34 0.97 0.00	17.64 0.90 0.00	17.61 0.90 0.00	19.95 0.99 0.00	22.58 1.12 0.00	25.52 1.44 0.00	27.17 1.56 0.00	28.38 1.58 0.00	31.51 1.76 0.00	33.18 1.73 0.00	37.34 1.95 0.00	39.93 1.94 0.00	41.94 1.84 0.00	44.50 1.75 -0.01	54.13 1.98 0.00	69.07 1.95 -2.01	69.35 1.64 -1.94	59.79 1.39 -0.32	51.24 1.83 0.00	42.05 1.38 0.00	39.78 1.64 0.00	33.63 1.57 0.00
FALCON____SEABRD_CC1 323796	20.86 -0.15 0.00	19.32 -0.29 0.00	16.99 -0.37 0.01	15.20 -0.47 1.07	16.30 -0.40 0.01	17.82 -0.53 0.62	20.96 -0.49 0.01	23.63 -0.43 0.01	25.02 -0.59 0.00	26.05 -0.75 0.00	29.24 -0.51 0.00	31.23 -0.22 0.00	35.07 -0.32 0.00	37.57 -0.42 0.00	39.61 -0.48 0.00	42.27 -0.47 0.00	48.29 -3.86 0.00	59.18 -5.92 0.00	60.64 -5.13 0.00	53.66 -4.42 0.00	44.67 -4.74 0.00	38.07 -2.60 0.00	35.39 -2.75 0.00	29.62 -2.44 0.00



FALCON___SEABRD_CC2 323797	20.86 -0.15 0.00	19.32 -0.29 0.00	16.99 -0.37 0.01	15.20 -0.47 1.07	16.30 -0.40 0.01	17.82 -0.53 0.62	20.96 -0.49 0.01	23.63 -0.43 0.01	25.02 -0.59 0.00	26.05 -0.75 0.00	29.24 -0.51 0.00	31.23 -0.22 0.00	35.07 -0.32 0.00	37.57 -0.42 0.00	39.61 -0.48 0.00	42.27 -0.47 0.00	48.29 -3.86 0.00	59.18 -5.92 0.00	60.64 -5.13 0.00	53.66 -4.42 0.00	44.67 -4.74 0.00	38.07 -2.60 0.00	35.39 -2.75 0.00	29.62 -2.44 0.00
FAR ROCKAWAY___4 23548	32.41 1.97 -9.43	29.11 1.86 -7.63	24.06 1.67 -5.03	24.05 1.57 -5.75	24.63 1.55 -6.37	27.86 1.75 -7.15	32.20 1.95 -8.78	33.10 2.48 -6.55	33.26 2.69 -4.97	33.48 2.79 -3.89	43.68 3.06 -10.87	44.53 3.14 -9.94	45.55 3.57 -6.58	46.66 3.72 -4.94	48.74 3.69 -4.96	67.74 3.89 -21.11	79.60 4.12 -23.33	100.38 4.49 -30.79	97.05 4.14 -27.14	80.29 3.66 -18.55	64.50 4.35 -10.73	68.30 3.38 -24.25	43.69 3.55 -2.00	35.25 3.17 -0.02
FARRAGUT_138_KV_32071_REV_LBMP_J 345003	22.41 1.41 0.00	20.96 1.35 0.00	18.58 1.22 0.00	17.84 1.10 0.00	17.81 1.10 0.00	20.20 1.23 0.00	22.86 1.40 0.00	25.97 1.90 0.00	27.71 2.10 0.00	28.97 2.17 0.00	32.13 2.38 0.00	33.87 2.42 0.00	38.15 2.76 0.00	40.80 2.81 0.00	42.74 2.65 0.00	45.26 2.52 -0.01	55.02 2.87 0.00	70.05 2.99 -1.95	70.21 2.56 -1.88	60.59 2.21 -0.31	52.03 2.62 0.00	42.62 1.95 0.00	40.51 2.36 0.00	34.24 2.18 0.00
FARRAGUT_138_KV_38B01_REV_LBMP_J 345016	22.41 1.41 0.00	20.98 1.37 0.00	18.58 1.22 0.00	17.86 1.12 0.00	17.81 1.10 0.00	20.20 1.23 0.00	22.86 1.40 0.00	25.97 1.90 0.00	27.71 2.10 0.00	28.97 2.17 0.00	32.13 2.38 0.00	33.87 2.42 0.00	38.15 2.76 0.00	40.80 2.81 0.00	42.74 2.65 0.00	45.26 2.52 -0.01	55.02 2.87 0.00	70.05 2.99 -1.95	70.27 2.63 -1.88	60.59 2.21 -0.31	52.08 2.67 0.00	42.62 1.95 0.00	40.51 2.36 0.00	34.24 2.18 0.00
FARRAGUT_138_KV_38M12_REV_LBMP_J 345017	22.39 1.39 0.00	20.96 1.35 0.00	18.56 1.20 0.00	17.84 1.10 0.00	17.81 1.10 0.00	20.20 1.23 0.00	22.84 1.37 0.00	25.97 1.90 0.00	27.68 2.07 0.00	28.95 2.14 0.00	32.13 2.38 0.00	33.87 2.42 0.00	38.15 2.76 0.00	40.76 2.77 0.00	42.70 2.61 0.00	45.22 2.48 -0.01	54.97 2.82 0.00	69.98 2.93 -1.95	70.21 2.56 -1.88	60.54 2.15 -0.31	52.03 2.62 0.00	42.58 1.91 0.00	40.47 2.33 0.00	34.21 2.15 0.00
FARRAGUT___LBMP 323566	22.39 1.39 0.00	20.94 1.33 0.00	18.56 1.20 0.00	17.82 1.09 0.00	17.79 1.09 0.00	20.18 1.21 0.00	22.82 1.35 0.00	25.95 1.88 0.00	27.66 2.05 0.00	28.92 2.12 0.00	32.10 2.35 0.00	33.84 2.39 0.00	38.08 2.69 0.00	40.72 2.74 0.00	42.66 2.57 0.00	45.18 2.44 -0.01	54.91 2.76 0.00	69.92 2.86 -1.95	70.08 2.43 -1.88	60.48 2.09 -0.31	51.93 2.52 0.00	42.54 1.87 0.00	40.43 2.29 0.00	34.18 2.12 0.00
FENNER___WINDPWR 24204	21.38 0.38 0.00	19.96 0.35 0.00	17.66 0.29 0.00	17.02 0.28 0.00	17.01 0.30 0.00	19.37 0.40 0.00	21.98 0.51 0.00	24.67 0.60 0.00	26.28 0.66 -0.01	27.75 0.78 -0.17	30.86 0.95 -0.16	32.75 1.01 -0.30	37.20 1.20 -0.61	40.21 1.41 -0.81	42.63 1.56 -0.98	45.66 1.75 -1.17	56.46 2.40 -1.91	71.18 3.19 -2.89	72.15 3.42 -2.97	63.74 3.19 -2.46	53.88 2.77 -1.70	43.77 2.07 -1.03	40.74 1.76 -0.84	33.74 1.31 -0.36
FIBERTEK___ENERGY 23856	20.94 -0.06 0.00	19.55 -0.06 0.00	17.31 -0.05 0.00	16.69 -0.05 0.00	16.67 -0.03 0.00	18.97 0.00 0.00	21.51 0.04 0.00	24.07 0.00 0.00	25.66 0.03 -0.03	27.41 0.19 -0.42	30.44 0.30 -0.39	32.51 0.35 -0.72	37.28 0.42 -1.47	40.49 0.53 -1.97	43.21 0.76 -2.36	46.43 0.85 -2.84	57.91 1.15 -4.61	73.62 1.43 -7.09	74.40 1.38 -7.25	65.49 1.39 -6.02	54.73 1.14 -4.18	44.09 0.89 -2.52	40.85 0.65 -2.06	33.37 0.42 -0.89
FITZPATRICK____ 23598	20.50 -0.50 0.00	19.14 -0.47 0.00	16.93 -0.43 0.00	16.33 -0.40 0.00	16.31 -0.40 0.00	18.55 -0.42 0.00	21.01 -0.45 0.00	23.49 -0.58 0.00	24.76 -0.69 0.16	23.88 -0.59 2.33	26.99 -0.59 2.16	26.85 -0.63 3.97	26.61 -0.67 8.11	26.40 -0.68 10.90	26.38 -0.64 13.06	26.37 -0.64 15.73	25.94 -0.68 25.53	24.89 -0.85 39.36	24.73 -0.86 40.18	24.17 -0.58 33.33	25.62 -0.59 23.20	26.14 -0.53 14.00	26.17 -0.53 11.43	26.55 -0.58 4.93
FLOWRFLD_69_KV_BK1 356044	32.34 1.91 -9.43	29.07 1.82 -7.63	24.02 1.63 -5.03	24.00 1.52 -5.75	24.61 1.54 -6.37	27.83 1.71 -7.15	32.20 1.95 -8.78	33.03 2.41 -6.55	33.21 2.64 -4.97	33.40 2.71 -3.89	43.50 2.89 -10.87	44.34 2.96 -9.94	45.34 3.36 -6.58	46.31 3.38 -4.94	48.19 3.29 -4.81	64.75 3.08 -18.94	75.72 3.70 -19.87	94.55 4.36 -25.09	91.88 4.01 -22.10	76.76 3.43 -15.25	61.81 3.41 -8.98	65.42 2.73 -22.02	43.92 3.78 -2.00	35.44 3.37 -0.02
FORGEBRK_115_KV_TR1_2_REV_LBMP_G 345010	22.37 1.37 0.00	20.89 1.27 0.00	18.49 1.13 0.00	17.77 1.04 0.00	17.74 1.04 0.00	20.11 1.14 0.00	22.75 1.29 0.00	25.73 1.66 0.00	27.45 1.84 0.00	28.68 1.88 0.00	31.95 2.20 0.00	33.62 2.17 0.00	37.87 2.48 0.00	40.49 2.51 0.00	42.62 2.53 0.00	45.35 2.61 -0.01	55.33 3.18 0.00	70.09 3.45 -1.54	70.47 3.22 -1.48	61.11 2.79 -0.24	52.33 2.92 0.00	42.87 2.20 0.00	40.39 2.25 0.00	34.11 2.05 0.00
FORT ORANGE____ 23900	21.76 0.76 0.00	20.34 0.73 0.00	18.01 0.64 0.00	17.34 0.60 0.00	17.29 0.58 0.00	19.59 0.63 0.00	22.17 0.71 0.00	24.82 0.75 0.00	26.45 0.84 0.00	27.47 0.67 0.00	30.31 0.56 0.00	31.89 0.44 0.00	35.89 0.50 0.00	38.45 0.46 0.00	40.61 0.52 0.00	43.20 0.47 0.01	52.83 0.68 0.00	64.29 0.78 1.59	64.89 0.66 1.54	58.46 0.64 0.26	50.35 0.94 0.00	41.53 0.86 0.00	38.94 0.80 0.00	32.86 0.80 0.00
FORT_DRUM_COGEN 23780	21.07 0.06 0.00	19.65 0.04 0.00	17.36 0.00 0.00	16.52 0.00 0.21	16.74 0.03 0.00	19.02 0.17 0.12	21.78 0.32 0.00	24.48 0.41 0.00	26.09 0.46 -0.02	27.59 0.46 -0.34	30.66 0.60 -0.31	32.78 0.75 -0.57	37.38 0.81 -1.17	40.59 1.03 -1.57	42.94 0.96 -1.88	46.20 1.20 -2.27	57.24 1.41 -3.68	73.11 2.34 -5.67	74.78 3.22 -5.79	66.31 3.43 -4.80	55.57 2.82 -3.34	44.72 2.03 -2.02	41.35 1.56 -1.65	33.89 1.12 -0.71
FOX_HILLS___ESR 323835	22.39 1.39 0.00	20.94 1.33 0.00	18.51 1.15 0.00	17.74 1.00 0.00	17.71 1.00 0.00	20.03 1.06 0.00	22.62 1.16 0.00	25.78 1.71 0.00	27.55 1.95 0.00	28.81 2.01 0.00	31.98 2.23 0.00	33.75 2.30 0.00	38.08 2.69 0.00	40.72 2.74 0.00	42.62 2.53 0.00	45.14 2.39 -0.01	54.60 2.45 0.00	69.53 2.47 -1.95	69.75 2.10 -1.88	60.19 1.80 -0.31	51.84 2.42 0.00	42.42 1.75 0.00	40.47 2.33 0.00	34.27 2.21 0.00
FPL FAR_ROCK_GT1 24212	32.40 1.97 -9.43	29.11 1.86 -7.63	24.06 1.67 -5.03	24.05 1.57 -5.75	24.63 1.55 -6.37	27.86 1.74 -7.15	32.20 1.95 -8.78	33.08 2.46 -6.55	33.26 2.69 -4.97	33.48 2.79 -3.89	43.68 3.06 -10.87	44.50 3.11 -9.94	45.52 3.54 -6.58	46.62 3.68 -4.94	48.74 3.69 -4.96	67.74 3.89 -21.11	79.70 4.22 -23.33	100.70 4.82 -30.79	97.38 4.47 -27.14	80.40 3.77 -18.55	64.69 4.54 -10.73	68.38 3.46 -24.25	43.69 3.55 -2.00	35.31 3.24 -0.02



FPL FAR_ROCK_GT2 23815	32.40 1.97 -9.43	29.11 1.86 -7.63	24.06 1.67 -5.03	24.05 1.57 -5.75	24.63 1.55 -6.37	27.86 1.74 -7.15	32.20 1.95 -8.78	33.08 2.46 -6.55	33.26 2.69 -4.97	33.48 2.79 -3.89	43.68 3.06 -10.87	44.50 3.11 -9.94	45.52 3.54 -6.58	46.62 3.68 -4.94	48.74 3.69 -4.96	67.74 3.89 -21.11	79.70 4.22 -23.33	100.70 4.82 -30.79	97.38 4.47 -27.14	80.40 3.77 -18.55	64.69 4.54 -10.73	68.38 3.46 -24.25	43.69 3.55 -2.00	35.31 3.24 -0.02
FRANKLIN_FALL_HYD 24054	20.65 -0.36 0.00	19.18 -0.43 0.00	16.92 -0.43 0.01	15.26 -0.47 1.01	16.25 -0.45 0.01	17.84 -0.55 0.58	20.88 -0.58 0.01	23.46 -0.60 0.01	24.97 -0.64 0.00	25.97 -0.83 0.00	28.98 -0.77 0.00	30.92 -0.53 0.00	34.72 -0.67 0.00	37.19 -0.80 0.00	39.13 -0.96 0.00	41.88 -0.85 0.00	51.31 -0.83 0.00	64.77 -0.33 0.00	66.09 0.33 0.00	58.20 0.12 0.00	48.57 -0.84 0.00	39.74 -0.94 0.00	37.11 -1.03 0.00	31.13 -0.93 0.00
FREEPORT_EQUS_GT1 23764	32.26 1.83 -9.43	28.97 1.73 -7.63	23.93 1.54 -5.03	23.92 1.44 -5.75	24.51 1.44 -6.37	27.73 1.61 -7.15	32.07 1.82 -8.78	32.91 2.29 -6.55	33.09 2.51 -4.97	33.30 2.60 -3.89	43.33 2.71 -10.87	44.09 2.71 -9.94	45.02 3.04 -6.58	46.05 3.12 -4.94	48.14 3.09 -4.96	66.84 2.99 -21.11	79.18 3.70 -23.33	100.18 4.30 -30.79	96.79 3.88 -27.14	79.88 3.25 -18.55	63.66 3.51 -10.73	67.69 2.77 -24.25	43.42 3.28 -2.00	35.09 3.01 -0.02
FREEPORT___CT2 23818	32.26 1.83 -9.43	28.97 1.73 -7.63	23.93 1.54 -5.03	23.92 1.44 -5.75	24.51 1.44 -6.37	27.73 1.61 -7.15	32.07 1.82 -8.78	32.91 2.29 -6.55	33.09 2.51 -4.97	33.30 2.60 -3.89	43.33 2.71 -10.87	44.09 2.71 -9.94	45.02 3.04 -6.58	46.05 3.12 -4.94	48.14 3.09 -4.96	66.84 2.99 -21.11	79.18 3.70 -23.33	100.18 4.30 -30.79	96.79 3.88 -27.14	79.88 3.25 -18.55	63.66 3.51 -10.73	67.69 2.77 -24.25	43.42 3.28 -2.00	35.09 3.01 -0.02
FRESHKLS_33_KV_LOAD 356253	22.37 1.37 0.00	20.91 1.29 0.00	18.48 1.11 0.00	17.71 0.97 0.00	17.68 0.97 0.00	19.97 1.01 0.00	22.53 1.07 0.01	25.70 1.64 0.01	27.47 1.87 0.01	28.72 1.93 0.01	31.88 2.14 0.01	33.64 2.20 0.01	37.97 2.58 0.01	40.64 2.66 0.01	42.53 2.45 0.01	45.04 2.31 0.00	54.49 2.35 0.01	65.18 2.41 2.33	61.66 2.04 6.15	52.05 1.68 7.72	45.86 2.37 5.92	42.29 1.63 0.01	40.38 2.25 0.01	34.21 2.15 0.00
FULTON COGEN____ 23766	20.73 -0.27 0.00	19.36 -0.25 0.00	17.14 -0.23 0.00	16.52 -0.22 0.00	16.51 -0.20 0.00	18.78 -0.19 0.00	21.27 -0.19 0.00	23.81 -0.26 0.00	25.38 -0.28 -0.05	27.40 -0.16 -0.76	30.34 -0.12 -0.71	32.62 -0.13 -1.29	37.93 -0.11 -2.65	41.51 -0.04 -3.56	44.39 0.04 -4.26	47.95 0.09 -5.13	60.69 0.21 -8.33	78.19 0.26 -12.83	79.13 0.26 -13.11	69.36 0.41 -10.87	57.27 0.30 -7.56	45.48 0.24 -4.56	41.98 0.11 -3.73	33.67 0.00 -1.61
FULTON___LFGE 323630	23.10 2.10 0.00	21.55 1.94 0.00	19.01 1.65 0.00	18.31 1.57 0.00	18.31 1.60 0.00	20.79 1.82 0.00	23.72 2.25 0.00	26.41 2.33 0.00	28.22 2.61 0.00	29.46 2.65 0.00	32.46 2.71 0.00	34.28 2.83 0.00	38.83 3.43 0.00	41.71 3.72 0.00	44.14 4.05 0.00	48.03 5.30 0.00	58.83 6.68 0.00	72.99 9.05 1.15	74.89 10.26 1.13	67.63 9.75 0.21	57.67 8.25 0.00	47.34 6.67 0.00	44.05 5.91 0.00	36.58 4.52 0.00
G.F.CEMENT___DRP 24184	22.56 1.55 0.00	21.04 1.43 0.00	18.60 1.23 0.00	17.91 1.17 0.00	17.89 1.19 0.00	20.28 1.31 0.00	23.05 1.59 0.00	25.78 1.71 0.00	27.55 1.95 0.00	28.68 1.88 0.00	31.80 2.05 0.00	32.80 1.35 0.00	36.92 1.52 0.00	39.62 1.63 0.00	41.98 1.88 0.00	44.91 2.18 0.01	54.55 2.40 0.00	66.12 2.93 1.90	66.82 2.89 1.84	60.39 2.61 0.31	52.13 2.72 0.00	43.07 2.40 0.00	40.54 2.40 0.00	34.02 1.96 0.00
GARDENVILLE___LBMP 24039	20.29 -0.71 0.00	18.92 -0.69 0.00	16.74 -0.63 0.00	16.28 -0.45 0.00	16.29 -0.42 0.00	18.72 -0.25 0.00	21.51 0.04 0.00	23.57 -0.51 0.00	25.61 0.00 0.00	27.63 0.83 0.00	30.91 1.16 0.00	32.93 1.48 0.00	37.13 1.73 0.00	40.46 2.47 0.00	43.38 3.29 0.00	46.50 3.76 0.00	57.00 4.85 0.00	70.83 5.73 0.00	71.05 5.26 -0.02	62.81 4.70 -0.02	53.32 3.90 0.00	43.89 3.21 0.00	40.81 2.67 0.00	34.05 1.99 0.00
GARDNVLA_35_KV_LD 355827	20.37 -0.63 0.00	19.02 -0.59 0.00	16.81 -0.56 0.00	16.37 -0.37 0.00	16.37 -0.33 0.00	18.83 -0.13 0.00	21.61 0.15 0.00	23.69 -0.39 0.00	25.74 0.13 0.00	27.77 0.96 0.00	31.06 1.31 0.00	33.12 1.67 0.00	37.34 1.95 0.00	40.72 2.74 0.00	43.62 3.53 0.00	46.75 4.02 0.00	57.36 5.21 0.00	71.22 6.12 0.00	71.45 5.66 -0.02	63.16 5.05 -0.02	53.61 4.20 0.00	44.13 3.46 0.00	41.08 2.94 0.00	34.24 2.18 0.00
GELCKHM___115KV_LOAD 80723	20.82 -0.19 0.00	19.43 -0.18 0.00	17.21 -0.16 0.00	16.59 -0.15 0.00	16.57 -0.13 0.00	18.85 -0.11 0.00	21.38 -0.09 0.00	23.93 -0.14 0.00	25.47 -0.15 -0.02	27.08 0.00 -0.27	30.09 0.09 -0.25	32.01 0.09 -0.47	36.49 0.14 -0.95	39.50 0.23 -1.28	42.03 0.40 -1.53	45.05 0.47 -1.85	55.82 0.68 -3.00	70.49 0.78 -4.61	71.27 0.79 -4.71	62.81 0.81 -3.91	52.77 0.64 -2.72	42.80 0.49 -1.64	39.78 0.31 -1.34	32.80 0.16 -0.58
GENERAL___MILLS 23808	20.35 -0.65 0.00	19.00 -0.61 0.00	16.79 -0.57 0.00	16.35 -0.38 0.00	16.36 -0.35 0.00	18.80 -0.17 0.00	21.57 0.11 0.00	23.64 -0.43 0.00	25.68 0.08 0.00	27.71 0.91 0.00	31.00 1.25 0.00	33.02 1.57 0.00	37.23 1.84 0.00	40.61 2.62 0.00	43.50 3.41 0.00	46.63 3.89 0.00	57.21 5.06 0.00	71.09 5.99 0.00	71.25 5.46 -0.02	62.98 4.88 -0.02	53.47 4.05 0.00	44.01 3.34 0.00	40.96 2.82 0.00	34.18 2.12 0.00
GE_PLASTICS___DRP 24183	21.66 0.65 0.00	20.24 0.63 0.00	17.92 0.56 0.00	17.25 0.52 0.00	17.22 0.52 0.00	19.52 0.55 0.00	22.09 0.62 0.00	24.77 0.70 0.00	26.35 0.74 0.00	27.42 0.62 0.00	30.35 0.60 0.00	31.95 0.50 0.00	35.96 0.57 0.00	38.48 0.49 0.00	40.61 0.52 0.00	43.16 0.43 0.00	52.62 0.47 0.00	64.17 0.33 1.25	64.75 0.20 1.21	58.17 0.29 0.20	50.01 0.59 0.00	41.28 0.61 0.00	38.79 0.65 0.00	32.70 0.64 0.00
GILBOA___1 23756	21.61 0.61 0.00	20.20 0.59 0.00	17.88 0.52 0.00	17.22 0.49 0.00	17.21 0.50 0.00	19.50 0.53 0.00	22.09 0.62 0.00	24.82 0.75 0.00	26.43 0.82 0.00	27.61 0.80 0.00	30.64 0.89 0.00	32.27 0.82 0.00	36.31 0.92 0.00	38.90 0.91 0.00	41.01 0.92 0.00	43.64 0.90 0.00	53.14 0.99 0.00	65.75 0.65 0.00	66.22 0.46 0.01	58.60 0.52 0.01	50.30 0.89 0.00	41.57 0.89 0.00	39.05 0.91 0.00	32.96 0.90 0.00
GILBOA___2 23757	21.61 0.61 0.00	20.20 0.59 0.00	17.88 0.52 0.00	17.22 0.49 0.00	17.21 0.50 0.00	19.50 0.53 0.00	22.09 0.62 0.00	24.82 0.75 0.00	26.43 0.82 0.00	27.61 0.80 0.00	30.64 0.89 0.00	32.27 0.82 0.00	36.31 0.92 0.00	38.90 0.91 0.00	41.01 0.92 0.00	43.64 0.90 0.00	53.14 0.99 0.00	65.75 0.65 0.00	66.22 0.46 0.01	58.60 0.52 0.01	50.30 0.89 0.00	41.57 0.89 0.00	39.05 0.91 0.00	32.96 0.90 0.00



GILBOA___3 23758	21.61 0.61 0.00	20.20 0.59 0.00	17.88 0.52 0.00	17.22 0.49 0.00	17.21 0.50 0.00	19.50 0.53 0.00	22.09 0.62 0.00	24.82 0.75 0.00	26.43 0.82 0.00	27.61 0.80 0.00	30.64 0.89 0.00	32.27 0.82 0.00	36.31 0.92 0.00	38.90 0.91 0.00	41.01 0.92 0.00	43.64 0.90 0.00	53.14 0.99 0.00	65.75 0.65 0.00	66.22 0.46 0.01	58.60 0.52 0.01	50.30 0.89 0.00	41.57 0.89 0.00	39.05 0.91 0.00	32.96 0.90 0.00
GILBOA___4 23759	21.61 0.61 0.00	20.20 0.59 0.00	17.88 0.52 0.00	17.22 0.49 0.00	17.21 0.50 0.00	19.50 0.53 0.00	22.09 0.62 0.00	24.82 0.75 0.00	26.43 0.82 0.00	27.61 0.80 0.00	30.64 0.89 0.00	32.27 0.82 0.00	36.31 0.92 0.00	38.90 0.91 0.00	41.01 0.92 0.00	43.64 0.90 0.00	53.14 0.99 0.00	65.75 0.65 0.00	66.22 0.46 0.01	58.60 0.52 0.01	50.30 0.89 0.00	41.57 0.89 0.00	39.05 0.91 0.00	32.96 0.90 0.00
GILBOA___ 23599	21.61 0.61 0.00	20.20 0.59 0.00	17.88 0.52 0.00	17.22 0.49 0.00	17.21 0.50 0.00	19.50 0.53 0.00	22.09 0.62 0.00	24.82 0.75 0.00	26.43 0.82 0.00	27.61 0.80 0.00	30.64 0.89 0.00	32.27 0.82 0.00	36.35 0.96 0.00	38.94 0.95 0.00	41.01 0.92 0.00	43.63 0.90 0.00	52.93 0.78 0.00	65.55 0.46 0.00	66.02 0.26 0.01	58.54 0.46 0.01	50.16 0.74 0.00	41.49 0.81 0.00	39.02 0.88 0.00	32.89 0.83 0.00
GINNA___ 23603	19.81 -1.20 0.00	18.45 -1.16 0.00	16.29 -1.08 0.00	15.73 -1.00 0.00	15.74 -0.97 0.00	18.00 -0.97 0.00	20.50 -0.97 0.00	22.97 -1.11 0.00	24.64 -0.97 0.00	26.21 -0.59 0.00	29.36 -0.39 0.00	31.14 -0.31 0.00	35.04 -0.35 0.00	37.91 -0.08 0.00	40.37 0.28 0.00	43.33 0.60 0.00	53.14 0.99 0.00	66.33 1.23 0.00	66.90 1.12 -0.02	59.67 1.57 -0.02	50.16 0.74 0.00	41.20 0.53 0.00	38.44 0.30 0.00	31.74 -0.32 0.00
GLEN PARK___ 23778	21.21 0.21 0.00	19.79 0.18 0.00	17.47 0.10 0.00	16.63 0.10 0.20	16.84 0.13 0.00	19.12 0.27 0.12	21.91 0.45 0.00	24.60 0.53 0.00	26.22 0.59 -0.02	27.74 0.59 -0.35	30.85 0.77 -0.33	32.96 0.91 -0.60	37.61 0.99 -1.23	40.86 1.22 -1.65	43.24 1.16 -1.98	46.53 1.41 -2.39	57.74 1.72 -3.87	73.92 2.86 -5.96	75.74 3.88 -6.09	67.32 4.18 -5.05	56.44 3.51 -3.51	45.31 2.52 -2.12	41.89 2.02 -1.73	34.22 1.41 -0.75
GLENDAL_27_KV_LOAD 356172	22.50 1.49 0.00	21.06 1.45 0.00	18.63 1.27 0.00	17.89 1.15 0.00	17.86 1.15 0.00	20.24 1.27 0.00	22.86 1.40 0.00	26.02 1.95 0.00	27.78 2.18 0.00	29.05 2.25 0.00	32.25 2.50 0.00	34.00 2.55 0.00	38.33 2.94 0.00	40.95 2.96 0.00	42.86 2.77 0.00	45.35 2.61 -0.01	55.07 2.92 0.00	70.11 3.06 -1.95	70.27 2.63 -1.88	60.59 2.21 -0.31	52.13 2.72 0.00	42.67 1.99 0.00	40.70 2.56 0.00	34.40 2.34 0.00
GLENWOOD_IC_1_G5 23712	32.05 1.62 -9.43	28.77 1.53 -7.63	23.76 1.37 -5.03	23.75 1.27 -5.75	24.34 1.27 -6.37	27.54 1.42 -7.15	31.86 1.61 -8.78	32.72 2.09 -6.55	32.85 2.28 -4.97	33.05 2.36 -3.89	43.24 2.62 -10.87	44.06 2.67 -9.94	45.02 3.04 -6.58	46.05 3.12 -4.94	48.10 3.05 -4.96	66.58 2.74 -21.11	78.71 3.23 -23.33	99.34 3.45 -30.79	96.00 3.09 -27.14	79.24 2.61 -18.55	63.01 2.87 -10.73	67.12 2.20 -24.25	42.93 2.78 -2.00	34.61 2.53 -0.02
GLENWOOD_IC_2_G1 23688	31.92 1.49 -9.43	28.67 1.43 -7.63	23.66 1.27 -5.03	23.67 1.19 -5.75	24.26 1.19 -6.37	27.43 1.31 -7.15	31.73 1.48 -8.78	32.55 1.93 -6.55	32.70 2.12 -4.97	32.89 2.20 -3.89	43.06 2.44 -10.87	43.84 2.45 -9.94	44.74 2.76 -6.58	45.70 2.77 -4.94	47.78 2.73 -4.96	66.50 2.65 -21.11	78.71 3.23 -23.33	99.59 3.71 -30.79	96.19 3.29 -27.14	79.30 2.67 -18.55	63.16 3.01 -10.73	67.16 2.24 -24.25	42.62 2.48 -2.00	34.41 2.34 -0.02
GLENWOOD_IC_3_G1 23689	31.92 1.49 -9.43	28.67 1.43 -7.63	23.66 1.27 -5.03	23.67 1.19 -5.75	24.26 1.19 -6.37	27.43 1.31 -7.15	31.73 1.48 -8.78	32.55 1.93 -6.55	32.70 2.12 -4.97	32.89 2.20 -3.89	43.06 2.44 -10.87	43.84 2.45 -9.94	44.74 2.76 -6.58	45.70 2.77 -4.94	47.78 2.73 -4.96	66.50 2.65 -21.11	78.71 3.23 -23.33	99.59 3.71 -30.79	96.19 3.29 -27.14	79.30 2.67 -18.55	63.16 3.01 -10.73	67.16 2.24 -24.25	42.62 2.48 -2.00	34.41 2.34 -0.02
GLENWOOD___4 23550	32.05 1.62 -9.43	28.77 1.53 -7.63	23.76 1.37 -5.03	23.75 1.27 -5.75	24.34 1.27 -6.37	27.54 1.42 -7.15	31.86 1.61 -8.78	32.72 2.09 -6.55	32.85 2.28 -4.97	33.05 2.36 -3.89	43.24 2.62 -10.87	44.06 2.67 -9.94	45.02 3.04 -6.58	46.05 3.12 -4.94	48.10 3.05 -4.96	66.71 2.86 -21.11	78.82 3.34 -23.33	99.53 3.65 -30.79	96.13 3.22 -27.14	79.41 2.79 -18.55	63.16 3.01 -10.73	67.20 2.28 -24.25	42.93 2.78 -2.00	34.61 2.53 -0.02
GLENWOOD___5 23614	32.05 1.62 -9.43	28.77 1.53 -7.63	23.76 1.37 -5.03	23.75 1.27 -5.75	24.34 1.27 -6.37	27.54 1.42 -7.15	31.86 1.61 -8.78	32.72 2.09 -6.55	32.85 2.28 -4.97	33.05 2.36 -3.89	43.24 2.62 -10.87	44.06 2.67 -9.94	45.02 3.04 -6.58	46.05 3.12 -4.94	48.10 3.05 -4.96	66.71 2.86 -21.11	78.82 3.34 -23.33	99.53 3.65 -30.79	96.13 3.22 -27.14	79.41 2.79 -18.55	63.16 3.01 -10.73	67.20 2.28 -24.25	42.93 2.78 -2.00	34.61 2.53 -0.02
GLOBAL GREEN_PORT_GT1 23814	32.99 2.56 -9.43	29.67 2.43 -7.63	24.54 2.15 -5.03	24.52 2.04 -5.75	25.14 2.07 -6.37	28.41 2.29 -7.15	32.91 2.66 -8.78	33.85 3.23 -6.55	34.11 3.54 -4.97	34.40 3.70 -3.89	44.73 4.11 -10.87	45.63 4.24 -9.94	46.86 4.89 -6.58	48.06 5.13 -4.94	50.30 5.33 -4.87	68.33 5.81 -19.78	80.61 7.25 -21.22	101.65 9.24 -27.31	98.70 8.87 -24.06	82.05 7.44 -16.53	65.70 6.62 -9.66	68.69 5.12 -22.89	45.71 5.57 -2.00	36.92 4.84 -0.02
GLOBE___DSASP 323697	19.60 -1.41 0.00	18.32 -1.29 0.00	16.18 -1.18 0.00	15.71 -1.02 0.00	15.72 -0.99 0.00	18.10 -0.87 0.00	20.73 -0.73 0.00	22.65 -1.42 0.00	24.58 -1.02 0.00	26.53 -0.27 0.00	29.60 -0.15 0.00	31.54 0.09 0.00	35.50 0.11 0.00	38.67 0.68 0.00	41.45 1.36 0.00	44.40 1.67 0.00	54.44 2.29 0.00	67.64 2.54 0.00	67.89 2.10 -0.02	60.19 2.09 -0.02	50.95 1.53 0.00	42.01 1.34 0.00	39.21 1.07 0.00	32.67 0.61 0.00
GOETHSLN___LBMP 323567	22.33 1.32 0.00	20.89 1.27 0.00	18.53 1.16 0.00	17.79 1.05 0.00	17.76 1.05 0.00	20.14 1.18 0.00	22.75 1.29 0.00	25.88 1.81 0.00	27.61 2.00 0.00	28.87 2.06 0.00	32.04 2.29 0.00	33.78 2.33 0.00	38.05 2.65 0.00	40.57 2.58 0.00	42.46 2.37 0.00	44.88 2.14 -0.01	54.55 2.40 0.00	65.18 2.41 2.32	61.60 1.97 6.14	52.05 1.68 7.71	45.67 2.17 5.92	42.30 1.63 0.00	40.28 2.14 0.00	34.08 2.02 0.00
GOLAH___69_KV_TB 1_2 80279	20.58 -0.42 0.00	19.16 -0.45 0.00	16.93 -0.43 0.00	16.38 -0.35 0.00	16.39 -0.32 0.00	18.78 -0.19 0.00	21.49 0.02 0.00	23.83 -0.24 0.00	25.71 0.10 0.00	27.47 0.67 0.00	30.67 0.92 0.00	32.61 1.16 0.00	36.70 1.31 0.00	39.74 1.75 0.00	42.38 2.29 0.00	45.39 2.65 0.00	55.75 3.60 0.00	69.40 4.30 0.00	69.86 4.08 -0.02	61.87 3.78 -0.02	52.28 2.87 0.00	43.11 2.44 0.00	40.12 1.98 0.00	33.37 1.31 0.00



GOODYEAR_LAKE_HYD 323669	21.82 0.82 0.00	20.40 0.78 0.00	18.02 0.66 0.00	17.36 0.62 0.00	17.36 0.65 0.00	19.73 0.76 0.00	22.43 0.97 0.00	25.16 1.08 0.00	26.86 1.25 0.00	28.20 1.39 0.00	31.33 1.58 0.00	33.12 1.67 0.00	37.34 1.95 0.00	40.15 2.17 0.00	42.34 2.25 0.00	45.39 2.65 0.00	55.28 3.13 0.00	68.87 3.78 0.00	69.70 4.01 0.08	61.78 3.78 0.08	52.82 3.41 0.00	43.32 2.64 0.00	40.47 2.33 0.00	33.95 1.89 0.00
GOUDEY_115_KV_TB6_REV_LBMP_C 345031	21.09 0.08 0.00	19.69 0.08 0.00	17.43 0.07 0.00	16.84 0.10 0.00	16.82 0.12 0.00	19.14 0.17 0.00	21.79 0.32 0.00	24.34 0.26 0.00	26.05 0.44 -0.01	27.65 0.70 -0.15	30.82 0.92 -0.14	32.69 0.97 -0.26	37.10 1.17 -0.53	40.11 1.41 -0.72	42.68 1.72 -0.86	45.74 1.97 -1.04	56.44 2.61 -1.68	70.72 2.99 -2.62	71.43 2.89 -2.77	62.95 2.56 -2.31	53.18 2.22 -1.55	43.39 1.79 -0.93	40.39 1.49 -0.76	33.54 1.15 -0.33
GOUDEY___7 23579	21.09 0.08 0.00	19.69 0.08 0.00	17.45 0.09 0.00	16.85 0.12 0.00	16.84 0.13 0.00	19.16 0.19 0.00	21.81 0.34 0.00	24.36 0.29 0.00	26.08 0.46 -0.01	27.68 0.72 -0.15	30.85 0.95 -0.14	32.75 1.04 -0.26	37.13 1.20 -0.53	40.19 1.48 -0.72	42.76 1.80 -0.86	45.82 2.05 -1.04	56.49 2.66 -1.68	70.85 3.12 -2.62	71.49 2.96 -2.77	63.06 2.67 -2.31	53.23 2.27 -1.55	43.44 1.83 -0.93	40.47 1.56 -0.76	33.58 1.19 -0.33
GOUDEY___8 23580	21.09 0.08 0.00	19.69 0.08 0.00	17.43 0.07 0.00	16.84 0.10 0.00	16.82 0.12 0.00	19.14 0.17 0.00	21.79 0.32 0.00	24.34 0.26 0.00	26.05 0.44 -0.01	27.65 0.70 -0.15	30.82 0.92 -0.14	32.69 0.97 -0.26	37.10 1.17 -0.53	40.11 1.41 -0.72	42.68 1.72 -0.86	45.74 1.97 -1.04	56.44 2.61 -1.68	70.72 2.99 -2.62	71.43 2.89 -2.77	62.95 2.56 -2.31	53.18 2.22 -1.55	43.39 1.79 -0.93	40.39 1.49 -0.76	33.54 1.15 -0.33
GOWANUS_GT1_1 24077	22.43 1.43 0.00	20.98 1.37 0.00	18.56 1.20 0.00	17.79 1.05 0.00	17.76 1.05 0.00	20.11 1.14 0.00	22.71 1.24 0.00	25.88 1.81 0.00	27.66 2.05 0.00	28.95 2.14 0.00	32.10 2.35 0.00	33.87 2.42 0.00	38.23 2.83 0.00	40.87 2.89 0.00	42.78 2.69 0.00	45.26 2.52 -0.01	54.81 2.66 0.00	69.79 2.73 -1.95	70.01 2.37 -1.88	60.42 2.03 -0.31	51.98 2.57 0.00	42.54 1.87 0.00	40.58 2.44 0.00	34.34 2.28 0.00
GOWANUS_GT1_2 24078	22.43 1.43 0.00	20.98 1.37 0.00	18.56 1.20 0.00	17.79 1.05 0.00	17.76 1.05 0.00	20.11 1.14 0.00	22.71 1.24 0.00	25.88 1.81 0.00	27.66 2.05 0.00	28.95 2.14 0.00	32.10 2.35 0.00	33.87 2.42 0.00	38.23 2.83 0.00	40.87 2.89 0.00	42.78 2.69 0.00	45.26 2.52 -0.01	54.81 2.66 0.00	69.79 2.73 -1.95	70.01 2.37 -1.88	60.42 2.03 -0.31	51.98 2.57 0.00	42.54 1.87 0.00	40.58 2.44 0.00	34.34 2.28 0.00
GOWANUS_GT1_3 24079	22.43 1.43 0.00	20.98 1.37 0.00	18.56 1.20 0.00	17.79 1.05 0.00	17.76 1.05 0.00	20.11 1.14 0.00	22.71 1.24 0.00	25.88 1.81 0.00	27.66 2.05 0.00	28.95 2.14 0.00	32.10 2.35 0.00	33.87 2.42 0.00	38.23 2.83 0.00	40.87 2.89 0.00	42.78 2.69 0.00	45.26 2.52 -0.01	54.81 2.66 0.00	69.79 2.73 -1.95	70.01 2.37 -1.88	60.42 2.03 -0.31	51.98 2.57 0.00	42.54 1.87 0.00	40.58 2.44 0.00	34.34 2.28 0.00
GOWANUS_GT1_4 24080	22.43 1.43 0.00	20.98 1.37 0.00	18.56 1.20 0.00	17.79 1.05 0.00	17.76 1.05 0.00	20.11 1.14 0.00	22.71 1.24 0.00	25.88 1.81 0.00	27.66 2.05 0.00	28.95 2.14 0.00	32.10 2.35 0.00	33.87 2.42 0.00	38.23 2.83 0.00	40.87 2.89 0.00	42.78 2.69 0.00	45.26 2.52 -0.01	54.81 2.66 0.00	69.79 2.73 -1.95	70.01 2.37 -1.88	60.42 2.03 -0.31	51.98 2.57 0.00	42.54 1.87 0.00	40.58 2.44 0.00	34.34 2.28 0.00
GOWANUS_GT1_5 24084	22.43 1.43 0.00	20.98 1.37 0.00	18.56 1.20 0.00	17.79 1.05 0.00	17.76 1.05 0.00	20.11 1.14 0.00	22.71 1.24 0.00	25.88 1.81 0.00	27.66 2.05 0.00	28.95 2.14 0.00	32.10 2.35 0.00	33.87 2.42 0.00	38.23 2.83 0.00	40.87 2.89 0.00	42.78 2.69 0.00	45.26 2.52 -0.01	54.81 2.66 0.00	69.79 2.73 -1.95	70.01 2.37 -1.88	60.42 2.03 -0.31	51.98 2.57 0.00	42.54 1.87 0.00	40.58 2.44 0.00	34.34 2.28 0.00
GOWANUS_GT1_6 24111	22.43 1.43 0.00	20.98 1.37 0.00	18.56 1.20 0.00	17.79 1.05 0.00	17.76 1.05 0.00	20.11 1.14 0.00	22.71 1.24 0.00	25.88 1.81 0.00	27.66 2.05 0.00	28.95 2.14 0.00	32.10 2.35 0.00	33.87 2.42 0.00	38.23 2.83 0.00	40.87 2.89 0.00	42.78 2.69 0.00	45.26 2.52 -0.01	54.81 2.66 0.00	69.79 2.73 -1.95	70.01 2.37 -1.88	60.42 2.03 -0.31	51.98 2.57 0.00	42.54 1.87 0.00	40.58 2.44 0.00	34.34 2.28 0.00
GOWANUS_GT1_7 24112	22.43 1.43 0.00	20.98 1.37 0.00	18.56 1.20 0.00	17.79 1.05 0.00	17.76 1.05 0.00	20.11 1.14 0.00	22.71 1.24 0.00	25.88 1.81 0.00	27.66 2.05 0.00	28.95 2.14 0.00	32.10 2.35 0.00	33.87 2.42 0.00	38.23 2.83 0.00	40.87 2.89 0.00	42.78 2.69 0.00	45.26 2.52 -0.01	54.81 2.66 0.00	69.79 2.73 -1.95	70.01 2.37 -1.88	60.42 2.03 -0.31	51.98 2.57 0.00	42.54 1.87 0.00	40.58 2.44 0.00	34.34 2.28 0.00
GOWANUS_GT1_8 24113	22.43 1.43 0.00	20.98 1.37 0.00	18.56 1.20 0.00	17.79 1.05 0.00	17.76 1.05 0.00	20.11 1.14 0.00	22.71 1.24 0.00	25.88 1.81 0.00	27.66 2.05 0.00	28.95 2.14 0.00	32.10 2.35 0.00	33.87 2.42 0.00	38.23 2.83 0.00	40.87 2.89 0.00	42.78 2.69 0.00	45.26 2.52 -0.01	54.81 2.66 0.00	69.79 2.73 -1.95	70.01 2.37 -1.88	60.42 2.03 -0.31	51.98 2.57 0.00	42.54 1.87 0.00	40.58 2.44 0.00	34.34 2.28 0.00
GOWANUS_GT2_1 24114	22.43 1.43 0.00	20.98 1.37 0.00	18.56 1.20 0.00	17.79 1.05 0.00	17.76 1.05 0.00	20.11 1.14 0.00	22.71 1.24 0.00	25.85 1.78 0.00	27.66 2.05 0.00	28.95 2.14 0.00	32.13 2.38 0.00	33.87 2.42 0.00	38.19 2.80 0.00	40.80 2.81 0.00	42.78 2.69 0.00	45.26 2.52 -0.01	54.91 2.76 0.00	70.24 3.19 -1.95	70.41 2.76 -1.88	60.54 2.15 -0.31	52.23 2.82 0.00	42.62 1.95 0.00	40.58 2.44 0.00	34.40 2.34 0.00
GOWANUS_GT2_2 24115	22.43 1.43 0.00	20.98 1.37 0.00	18.56 1.20 0.00	17.79 1.05 0.00	17.76 1.05 0.00	20.11 1.14 0.00	22.71 1.24 0.00	25.85 1.78 0.00	27.66 2.05 0.00	28.95 2.14 0.00	32.13 2.38 0.00	33.87 2.42 0.00	38.19 2.80 0.00	40.80 2.81 0.00	42.78 2.69 0.00	45.26 2.52 -0.01	54.91 2.76 0.00	70.24 3.19 -1.95	70.41 2.76 -1.88	60.54 2.15 -0.31	52.23 2.82 0.00	42.62 1.95 0.00	40.58 2.44 0.00	34.40 2.34 0.00
GOWANUS_GT2_3 24116	22.43 1.43 0.00	20.98 1.37 0.00	18.56 1.20 0.00	17.79 1.05 0.00	17.76 1.05 0.00	20.11 1.14 0.00	22.71 1.24 0.00	25.85 1.78 0.00	27.66 2.05 0.00	28.95 2.14 0.00	32.13 2.38 0.00	33.87 2.42 0.00	38.19 2.80 0.00	40.80 2.81 0.00	42.78 2.69 0.00	45.26 2.52 -0.01	54.91 2.76 0.00	70.24 3.19 -1.95	70.41 2.76 -1.88	60.54 2.15 -0.31	52.23 2.82 0.00	42.62 1.95 0.00	40.58 2.44 0.00	34.40 2.34 0.00



GOWANUS_GT2_4 24117	22.43 1.43 0.00	20.98 1.37 0.00	18.56 1.20 0.00	17.79 1.05 0.00	17.76 1.05 0.00	20.11 1.14 0.00	22.71 1.24 0.00	25.85 1.78 0.00	27.66 2.05 0.00	28.95 2.14 0.00	32.13 2.38 0.00	33.87 2.42 0.00	38.19 2.80 0.00	40.80 2.81 0.00	42.78 2.69 0.00	45.26 2.52 -0.01	54.91 2.76 0.00	70.24 3.19 -1.95	70.41 2.76 -1.88	60.54 2.15 -0.31	52.23 2.82 0.00	42.62 1.95 0.00	40.58 2.44 0.00	34.40 2.34 0.00
GOWANUS_GT2_5 24118	22.43 1.43 0.00	20.98 1.37 0.00	18.56 1.20 0.00	17.79 1.05 0.00	17.76 1.05 0.00	20.11 1.14 0.00	22.71 1.24 0.00	25.85 1.78 0.00	27.66 2.05 0.00	28.95 2.14 0.00	32.13 2.38 0.00	33.87 2.42 0.00	38.19 2.80 0.00	40.80 2.81 0.00	42.78 2.69 0.00	45.26 2.52 -0.01	54.91 2.76 0.00	70.24 3.19 -1.95	70.41 2.76 -1.88	60.54 2.15 -0.31	52.23 2.82 0.00	42.62 1.95 0.00	40.58 2.44 0.00	34.40 2.34 0.00
GOWANUS_GT2_6 24119	22.43 1.43 0.00	20.98 1.37 0.00	18.56 1.20 0.00	17.79 1.05 0.00	17.76 1.05 0.00	20.11 1.14 0.00	22.71 1.24 0.00	25.85 1.78 0.00	27.66 2.05 0.00	28.95 2.14 0.00	32.13 2.38 0.00	33.87 2.42 0.00	38.19 2.80 0.00	40.80 2.81 0.00	42.78 2.69 0.00	45.26 2.52 -0.01	54.91 2.76 0.00	70.24 3.19 -1.95	70.41 2.76 -1.88	60.54 2.15 -0.31	52.23 2.82 0.00	42.62 1.95 0.00	40.58 2.44 0.00	34.40 2.34 0.00
GOWANUS_GT2_7 24120	22.43 1.43 0.00	20.98 1.37 0.00	18.56 1.20 0.00	17.79 1.05 0.00	17.76 1.05 0.00	20.11 1.14 0.00	22.71 1.24 0.00	25.85 1.78 0.00	27.66 2.05 0.00	28.95 2.14 0.00	32.13 2.38 0.00	33.87 2.42 0.00	38.19 2.80 0.00	40.80 2.81 0.00	42.78 2.69 0.00	45.26 2.52 -0.01	54.91 2.76 0.00	70.24 3.19 -1.95	70.41 2.76 -1.88	60.54 2.15 -0.31	52.23 2.82 0.00	42.62 1.95 0.00	40.58 2.44 0.00	34.40 2.34 0.00
GOWANUS_GT2_8 24121	22.43 1.43 0.00	20.98 1.37 0.00	18.56 1.20 0.00	17.79 1.05 0.00	17.76 1.05 0.00	20.11 1.14 0.00	22.71 1.24 0.00	25.85 1.78 0.00	27.66 2.05 0.00	28.95 2.14 0.00	32.13 2.38 0.00	33.87 2.42 0.00	38.19 2.80 0.00	40.80 2.81 0.00	42.78 2.69 0.00	45.26 2.52 -0.01	54.91 2.76 0.00	70.24 3.19 -1.95	70.41 2.76 -1.88	60.54 2.15 -0.31	52.23 2.82 0.00	42.62 1.95 0.00	40.58 2.44 0.00	34.40 2.34 0.00
GOWANUS_GT3_1 24122	22.43 1.43 0.00	20.98 1.37 0.00	18.56 1.20 0.00	17.79 1.05 0.00	17.76 1.05 0.00	20.11 1.14 0.00	22.71 1.24 0.00	25.85 1.78 0.00	27.66 2.05 0.00	28.95 2.14 0.00	32.13 2.38 0.00	33.87 2.42 0.00	38.19 2.80 0.00	40.80 2.81 0.00	42.78 2.69 0.00	45.26 2.52 -0.01	54.91 2.76 0.00	70.24 3.19 -1.95	70.41 2.76 -1.88	60.54 2.15 -0.31	52.23 2.82 0.00	42.62 1.95 0.00	40.58 2.44 0.00	34.40 2.34 0.00
GOWANUS_GT3_2 24123	22.43 1.43 0.00	20.98 1.37 0.00	18.56 1.20 0.00	17.79 1.05 0.00	17.76 1.05 0.00	20.11 1.14 0.00	22.71 1.24 0.00	25.85 1.78 0.00	27.66 2.05 0.00	28.95 2.14 0.00	32.13 2.38 0.00	33.87 2.42 0.00	38.19 2.80 0.00	40.80 2.81 0.00	42.78 2.69 0.00	45.26 2.52 -0.01	54.91 2.76 0.00	70.24 3.19 -1.95	70.41 2.76 -1.88	60.54 2.15 -0.31	52.23 2.82 0.00	42.62 1.95 0.00	40.58 2.44 0.00	34.40 2.34 0.00
GOWANUS_GT3_3 24124	22.43 1.43 0.00	20.98 1.37 0.00	18.56 1.20 0.00	17.79 1.05 0.00	17.76 1.05 0.00	20.11 1.14 0.00	22.71 1.24 0.00	25.85 1.78 0.00	27.66 2.05 0.00	28.95 2.14 0.00	32.13 2.38 0.00	33.87 2.42 0.00	38.19 2.80 0.00	40.80 2.81 0.00	42.78 2.69 0.00	45.26 2.52 -0.01	54.91 2.76 0.00	70.24 3.19 -1.95	70.41 2.76 -1.88	60.54 2.15 -0.31	52.23 2.82 0.00	42.62 1.95 0.00	40.58 2.44 0.00	34.40 2.34 0.00
GOWANUS_GT3_4 24125	22.43 1.43 0.00	20.98 1.37 0.00	18.56 1.20 0.00	17.79 1.05 0.00	17.76 1.05 0.00	20.11 1.14 0.00	22.71 1.24 0.00	25.85 1.78 0.00	27.66 2.05 0.00	28.95 2.14 0.00	32.13 2.38 0.00	33.87 2.42 0.00	38.19 2.80 0.00	40.80 2.81 0.00	42.78 2.69 0.00	45.26 2.52 -0.01	54.91 2.76 0.00	70.24 3.19 -1.95	70.41 2.76 -1.88	60.54 2.15 -0.31	52.23 2.82 0.00	42.62 1.95 0.00	40.58 2.44 0.00	34.40 2.34 0.00
GOWANUS_GT3_5 24126	22.43 1.43 0.00	20.98 1.37 0.00	18.56 1.20 0.00	17.79 1.05 0.00	17.76 1.05 0.00	20.11 1.14 0.00	22.71 1.24 0.00	25.85 1.78 0.00	27.66 2.05 0.00	28.95 2.14 0.00	32.13 2.38 0.00	33.87 2.42 0.00	38.19 2.80 0.00	40.80 2.81 0.00	42.78 2.69 0.00	45.26 2.52 -0.01	54.91 2.76 0.00	70.24 3.19 -1.95	70.41 2.76 -1.88	60.54 2.15 -0.31	52.23 2.82 0.00	42.62 1.95 0.00	40.58 2.44 0.00	34.40 2.34 0.00
GOWANUS_GT3_6 24127	22.43 1.43 0.00	20.98 1.37 0.00	18.56 1.20 0.00	17.79 1.05 0.00	17.76 1.05 0.00	20.11 1.14 0.00	22.71 1.24 0.00	25.85 1.78 0.00	27.66 2.05 0.00	28.95 2.14 0.00	32.13 2.38 0.00	33.87 2.42 0.00	38.19 2.80 0.00	40.80 2.81 0.00	42.78 2.69 0.00	45.26 2.52 -0.01	54.91 2.76 0.00	70.24 3.19 -1.95	70.41 2.76 -1.88	60.54 2.15 -0.31	52.23 2.82 0.00	42.62 1.95 0.00	40.58 2.44 0.00	34.40 2.34 0.00
GOWANUS_GT3_7 24128	22.43 1.43 0.00	20.98 1.37 0.00	18.56 1.20 0.00	17.79 1.05 0.00	17.76 1.05 0.00	20.11 1.14 0.00	22.71 1.24 0.00	25.85 1.78 0.00	27.66 2.05 0.00	28.95 2.14 0.00	32.13 2.38 0.00	33.87 2.42 0.00	38.19 2.80 0.00	40.80 2.81 0.00	42.78 2.69 0.00	45.26 2.52 -0.01	54.91 2.76 0.00	70.24 3.19 -1.95	70.41 2.76 -1.88	60.54 2.15 -0.31	52.23 2.82 0.00	42.62 1.95 0.00	40.58 2.44 0.00	34.40 2.34 0.00
GOWANUS_GT3_8 24129	22.43 1.43 0.00	20.98 1.37 0.00	18.56 1.20 0.00	17.79 1.05 0.00	17.76 1.05 0.00	20.11 1.14 0.00	22.71 1.24 0.00	25.85 1.78 0.00	27.66 2.05 0.00	28.95 2.14 0.00	32.13 2.38 0.00	33.87 2.42 0.00	38.19 2.80 0.00	40.80 2.81 0.00	42.78 2.69 0.00	45.26 2.52 -0.01	54.91 2.76 0.00	70.24 3.19 -1.95	70.41 2.76 -1.88	60.54 2.15 -0.31	52.23 2.82 0.00	42.62 1.95 0.00	40.58 2.44 0.00	34.40 2.34 0.00
GOWANUS_GT4_1 24130	22.43 1.43 0.00	20.98 1.37 0.00	18.56 1.20 0.00	17.79 1.05 0.00	17.76 1.05 0.00	20.11 1.14 0.00	22.71 1.24 0.00	25.88 1.81 0.00	27.66 2.05 0.00	28.95 2.14 0.00	32.10 2.35 0.00	33.87 2.42 0.00	38.23 2.83 0.00	40.87 2.89 0.00	42.78 2.69 0.00	45.26 2.52 -0.01	54.81 2.66 0.00	69.79 2.73 -1.95	70.01 2.37 -1.88	60.42 2.03 -0.31	51.98 2.57 0.00	42.54 1.87 0.00	40.58 2.44 0.00	34.34 2.28 0.00
GOWANUS_GT4_2 24131	22.43 1.43 0.00	20.98 1.37 0.00	18.56 1.20 0.00	17.79 1.05 0.00	17.76 1.05 0.00	20.11 1.14 0.00	22.71 1.24 0.00	25.88 1.81 0.00	27.66 2.05 0.00	28.95 2.14 0.00	32.10 2.35 0.00	33.87 2.42 0.00	38.23 2.83 0.00	40.87 2.89 0.00	42.78 2.69 0.00	45.26 2.52 -0.01	54.81 2.66 0.00	69.79 2.73 -1.95	70.01 2.37 -1.88	60.42 2.03 -0.31	51.98 2.57 0.00	42.54 1.87 0.00	40.58 2.44 0.00	34.34 2.28 0.00



GOWANUS_GT4_3 24132	22.43 1.43 0.00	20.98 1.37 0.00	18.56 1.20 0.00	17.79 1.05 0.00	17.76 1.05 0.00	20.11 1.14 0.00	22.71 1.24 0.00	25.88 1.81 0.00	27.66 2.05 0.00	28.95 2.14 0.00	32.10 2.35 0.00	33.87 2.42 0.00	38.23 2.83 0.00	40.87 2.89 0.00	42.78 2.69 0.00	45.26 2.52 -0.01	54.81 2.66 0.00	69.79 2.73 -1.95	70.01 2.37 -1.88	60.42 2.03 -0.31	51.98 2.57 0.00	42.54 1.87 0.00	40.58 2.44 0.00	34.34 2.28 0.00
GOWANUS_GT4_4 24133	22.43 1.43 0.00	20.98 1.37 0.00	18.56 1.20 0.00	17.79 1.05 0.00	17.76 1.05 0.00	20.11 1.14 0.00	22.71 1.24 0.00	25.88 1.81 0.00	27.66 2.05 0.00	28.95 2.14 0.00	32.10 2.35 0.00	33.87 2.42 0.00	38.23 2.83 0.00	40.87 2.89 0.00	42.78 2.69 0.00	45.26 2.52 -0.01	54.81 2.66 0.00	69.79 2.73 -1.95	70.01 2.37 -1.88	60.42 2.03 -0.31	51.98 2.57 0.00	42.54 1.87 0.00	40.58 2.44 0.00	34.34 2.28 0.00
GOWANUS_GT4_5 24134	22.43 1.43 0.00	20.98 1.37 0.00	18.56 1.20 0.00	17.79 1.05 0.00	17.76 1.05 0.00	20.11 1.14 0.00	22.71 1.24 0.00	25.88 1.81 0.00	27.66 2.05 0.00	28.95 2.14 0.00	32.10 2.35 0.00	33.87 2.42 0.00	38.23 2.83 0.00	40.87 2.89 0.00	42.78 2.69 0.00	45.26 2.52 -0.01	54.81 2.66 0.00	69.79 2.73 -1.95	70.01 2.37 -1.88	60.42 2.03 -0.31	51.98 2.57 0.00	42.54 1.87 0.00	40.58 2.44 0.00	34.34 2.28 0.00
GOWANUS_GT4_6 24135	22.43 1.43 0.00	20.98 1.37 0.00	18.56 1.20 0.00	17.79 1.05 0.00	17.76 1.05 0.00	20.11 1.14 0.00	22.71 1.24 0.00	25.88 1.81 0.00	27.66 2.05 0.00	28.95 2.14 0.00	32.10 2.35 0.00	33.87 2.42 0.00	38.23 2.83 0.00	40.87 2.89 0.00	42.78 2.69 0.00	45.26 2.52 -0.01	54.81 2.66 0.00	69.79 2.73 -1.95	70.01 2.37 -1.88	60.42 2.03 -0.31	51.98 2.57 0.00	42.54 1.87 0.00	40.58 2.44 0.00	34.34 2.28 0.00
GOWANUS_GT4_7 24136	22.43 1.43 0.00	20.98 1.37 0.00	18.56 1.20 0.00	17.79 1.05 0.00	17.76 1.05 0.00	20.11 1.14 0.00	22.71 1.24 0.00	25.88 1.81 0.00	27.66 2.05 0.00	28.95 2.14 0.00	32.10 2.35 0.00	33.87 2.42 0.00	38.23 2.83 0.00	40.87 2.89 0.00	42.78 2.69 0.00	45.26 2.52 -0.01	54.81 2.66 0.00	69.79 2.73 -1.95	70.01 2.37 -1.88	60.42 2.03 -0.31	51.98 2.57 0.00	42.54 1.87 0.00	40.58 2.44 0.00	34.34 2.28 0.00
GOWANUS_GT4_8 24137	22.43 1.43 0.00	20.98 1.37 0.00	18.56 1.20 0.00	17.79 1.05 0.00	17.76 1.05 0.00	20.11 1.14 0.00	22.71 1.24 0.00	25.88 1.81 0.00	27.66 2.05 0.00	28.95 2.14 0.00	32.10 2.35 0.00	33.87 2.42 0.00	38.23 2.83 0.00	40.87 2.89 0.00	42.78 2.69 0.00	45.26 2.52 -0.01	54.81 2.66 0.00	69.79 2.73 -1.95	70.01 2.37 -1.88	60.42 2.03 -0.31	51.98 2.57 0.00	42.54 1.87 0.00	40.58 2.44 0.00	34.34 2.28 0.00
GREENBSH_115KV_TB3 55895	21.66 0.65 0.00	20.26 0.65 0.00	17.94 0.57 0.00	17.27 0.54 0.00	17.21 0.50 0.00	19.50 0.53 0.00	22.06 0.60 0.00	24.75 0.67 0.00	26.33 0.72 0.00	27.36 0.56 0.00	30.23 0.48 0.00	31.80 0.35 0.00	35.78 0.39 0.00	38.33 0.34 0.00	40.45 0.36 0.00	42.99 0.26 0.01	52.41 0.26 0.00	63.47 0.07 1.70	63.99 -0.13 1.64	57.81 0.00 0.28	49.76 0.35 0.00	41.12 0.45 0.00	38.64 0.50 0.00	32.61 0.55 0.00
GREENDGE_115KV_TB5 80291	20.90 -0.11 0.00	19.47 -0.14 0.00	17.22 -0.14 0.00	16.65 -0.08 0.00	16.67 -0.03 0.00	19.08 0.11 0.00	21.81 0.34 0.00	24.34 0.26 0.00	26.18 0.56 -0.01	27.95 1.02 -0.13	31.21 1.34 -0.12	33.18 1.51 -0.22	37.61 1.77 -0.45	40.83 2.24 -0.61	43.66 2.85 -0.73	46.82 3.21 -0.87	57.90 4.33 -1.42	72.85 5.60 -2.16	73.72 5.72 -2.23	65.10 5.17 -1.85	54.79 4.10 -1.27	44.69 3.25 -0.77	41.32 2.56 -0.63	34.13 1.80 -0.27
GREENIDGE___3 23582	20.90 -0.11 0.00	19.47 -0.14 0.00	17.22 -0.14 0.00	16.65 -0.08 0.00	16.67 -0.03 0.00	19.08 0.11 0.00	21.81 0.34 0.00	24.34 0.26 0.00	26.18 0.56 -0.01	27.95 1.02 -0.13	31.21 1.34 -0.12	33.18 1.51 -0.22	37.61 1.77 -0.45	40.83 2.24 -0.61	43.66 2.85 -0.73	46.82 3.21 -0.87	57.90 4.33 -1.42	72.85 5.60 -2.16	73.72 5.72 -2.23	65.10 5.17 -1.85	54.79 4.10 -1.27	44.69 3.25 -0.77	41.32 2.56 -0.63	34.13 1.80 -0.27
GREENIDGE___4 23583	20.90 -0.10 0.00	19.47 -0.14 0.00	17.22 -0.14 0.00	16.65 -0.08 0.00	16.67 -0.03 0.00	19.08 0.11 0.00	21.81 0.34 0.00	24.41 0.34 0.00	26.18 0.56 -0.01	27.95 1.02 -0.13	31.27 1.40 -0.12	33.18 1.51 -0.22	37.65 1.80 -0.45	40.91 2.32 -0.61	43.66 2.85 -0.73	46.82 3.21 -0.87	57.95 4.38 -1.42	72.92 5.66 -2.16	73.92 5.92 -2.23	65.46 5.52 -1.85	54.94 4.25 -1.27	44.81 3.37 -0.77	41.63 2.86 -0.63	34.16 1.83 -0.27
GREENLWN_69_KV_BK 3 55738	32.11 1.68 -9.43	28.83 1.59 -7.63	23.81 1.42 -5.03	23.80 1.32 -5.75	24.39 1.32 -6.37	27.58 1.46 -7.15	31.92 1.67 -8.78	32.79 2.17 -6.55	32.93 2.36 -4.97	33.13 2.44 -3.89	43.24 2.62 -10.87	43.97 2.58 -9.94	44.85 2.87 -6.58	45.78 2.85 -4.94	47.57 2.73 -4.75	63.53 2.78 -18.02	73.85 3.29 -18.42	91.44 3.65 -22.70	88.97 3.22 -19.98	74.67 2.73 -13.86	60.63 2.96 -8.25	63.99 2.24 -21.08	43.12 2.98 -2.00	34.77 2.69 -0.02
GREENWD_138_KV_38B11_REV_LBMP_J 345004	22.43 1.43 0.00	20.98 1.37 0.00	18.56 1.20 0.00	17.79 1.05 0.00	17.76 1.05 0.00	20.11 1.14 0.00	22.71 1.24 0.00	25.88 1.81 0.00	27.66 2.05 0.00	28.95 2.14 0.00	32.10 2.35 0.00	33.87 2.42 0.00	38.23 2.83 0.00	40.87 2.89 0.00	42.78 2.69 0.00	45.26 2.52 -0.01	54.81 2.66 0.00	69.79 2.73 -1.95	70.01 2.37 -1.88	60.42 2.03 -0.31	51.98 2.57 0.00	42.54 1.87 0.00	40.58 2.44 0.00	34.34 2.28 0.00
GRISSOM___SOLAR 323813	23.10 2.10 0.00	21.55 1.94 0.00	19.01 1.65 0.00	18.31 1.57 0.00	18.31 1.60 0.00	20.79 1.82 0.00	23.72 2.25 0.00	26.41 2.33 0.00	28.22 2.61 0.00	29.46 2.65 0.00	32.46 2.71 0.00	34.28 2.83 0.00	38.83 3.43 0.00	41.71 3.72 0.00	44.14 4.05 0.00	48.03 5.30 0.00	58.83 6.68 0.00	72.99 9.05 1.15	74.89 10.26 1.13	67.63 9.75 0.21	57.67 8.25 0.00	47.34 6.67 0.00	44.05 5.91 0.00	36.58 4.52 0.00
GROVEVILLE___HYD 323602	22.37 1.37 0.00	20.89 1.27 0.00	18.49 1.13 0.00	17.77 1.04 0.00	17.74 1.04 0.00	20.11 1.14 0.00	22.75 1.29 0.00	25.73 1.66 0.00	27.45 1.84 0.00	28.68 1.88 0.00	31.95 2.20 0.00	33.62 2.17 0.00	37.87 2.48 0.00	40.49 2.51 0.00	42.62 2.53 0.00	45.35 2.61 -0.01	55.33 3.18 0.00	70.09 3.45 -1.54	70.47 3.22 -1.48	61.11 2.79 -0.24	52.33 2.92 0.00	42.87 2.20 0.00	40.39 2.25 0.00	34.11 2.05 0.00
GRS_LOCK_115KV_LINE_2_SOLVAY 80269	20.94 -0.06 0.00	19.55 -0.06 0.00	17.31 -0.05 0.00	16.69 -0.05 0.00	16.67 -0.03 0.00	18.97 0.00 0.00	21.51 0.04 0.00	24.07 0.00 0.00	25.66 0.03 -0.03	27.41 0.19 -0.42	30.44 0.30 -0.39	32.51 0.35 -0.72	37.28 0.42 -1.47	40.49 0.53 -1.97	43.21 0.76 -2.36	46.43 0.85 -2.84	57.91 1.15 -4.61	73.62 1.43 -7.09	74.40 1.38 -7.25	65.49 1.39 -6.02	54.73 1.14 -4.18	44.09 0.89 -2.52	40.85 0.65 -2.06	33.37 0.42 -0.89



HAMLTNNY_34_KV_TB 80303	20.96 -0.04 0.00	19.55 -0.06 0.00	17.31 -0.05 0.00	16.69 -0.05 0.00	16.69 -0.02 0.00	19.01 0.04 0.00	21.55 0.09 0.00	24.12 0.05 0.00	25.74 0.10 -0.03	27.56 0.32 -0.43	30.60 0.45 -0.40	32.69 0.50 -0.73	37.50 0.60 -1.50	40.80 0.80 -2.02	43.55 1.04 -2.42	46.85 1.20 -2.91	58.44 1.56 -4.73	74.38 2.02 -7.27	75.24 2.04 -7.43	66.16 1.92 -6.17	55.23 1.53 -4.28	44.48 1.22 -2.58	41.17 0.92 -2.11	33.58 0.61 -0.91
HAMPSHIRE___PAPER_HYD 323593	20.73 -0.27 0.00	19.34 -0.27 0.00	17.10 -0.26 0.00	15.91 -0.25 0.57	16.48 -0.22 0.00	18.45 -0.19 0.33	21.31 -0.15 0.00	23.85 -0.22 0.00	25.41 -0.21 -0.01	26.62 -0.32 -0.14	29.56 -0.33 -0.13	31.60 -0.09 -0.24	35.64 -0.25 -0.49	38.30 -0.34 -0.66	40.32 -0.56 -0.79	43.34 -0.34 -0.95	53.22 -0.47 -1.54	67.47 0.00 -2.37	68.78 0.59 -2.42	60.84 0.75 -2.01	50.81 0.00 -1.40	41.48 -0.04 -0.84	38.79 -0.04 -0.69	32.29 -0.06 -0.30
HARDSCRABBLE_WT_PWR 323673	21.17 0.17 0.00	19.83 0.22 0.00	17.54 0.17 0.00	16.96 0.17 -0.05	16.89 0.18 0.00	19.24 0.25 -0.03	21.79 0.32 0.00	24.46 0.38 0.00	26.07 0.46 0.00	27.34 0.54 0.00	30.40 0.65 0.00	32.11 0.66 0.00	36.17 0.78 0.00	38.86 0.87 0.00	40.97 0.88 0.00	43.68 0.94 0.00	53.35 1.20 0.00	66.60 1.50 0.00	67.28 1.51 0.00	59.42 1.34 0.00	50.65 1.24 0.00	41.61 0.94 0.00	38.98 0.84 0.00	32.76 0.70 0.00
HARRIMAN_69_KV_BK771_REV_LBMP_G 345025	22.22 1.22 0.00	20.73 1.12 0.00	18.37 1.01 0.00	17.67 0.94 0.00	17.64 0.94 0.00	19.97 1.01 0.00	22.62 1.16 0.00	25.59 1.52 0.00	27.32 1.72 0.00	28.57 1.77 0.00	31.80 2.05 0.00	33.49 2.04 0.00	37.69 2.30 0.00	40.31 2.32 0.00	42.38 2.29 0.00	45.05 2.31 -0.01	54.97 2.82 0.00	69.82 3.06 -1.66	70.06 2.70 -1.60	60.66 2.32 -0.26	51.89 2.47 0.00	42.50 1.83 0.00	40.12 1.98 0.00	33.89 1.83 0.00
HARSNRAD_115KV_TB1 81005	20.12 -0.88 0.00	18.79 -0.82 0.00	16.58 -0.78 0.00	16.13 -0.60 0.00	16.12 -0.58 0.00	18.57 -0.40 0.00	21.29 -0.17 0.00	23.33 -0.75 0.00	25.33 -0.28 0.00	27.34 0.54 0.00	30.52 0.77 0.00	32.55 1.10 0.00	36.63 1.24 0.00	39.93 1.94 0.00	42.82 2.73 0.00	45.90 3.16 0.00	56.27 4.12 0.00	69.98 4.88 0.00	70.26 4.47 -0.02	62.23 4.12 -0.02	52.68 3.26 0.00	43.44 2.77 0.00	40.43 2.29 0.00	33.66 1.60 0.00
HARZA MOOSE___RIVER 24016	21.21 0.21 0.00	19.79 0.18 0.00	17.50 0.14 0.00	16.75 0.13 0.12	16.89 0.18 0.00	19.16 0.27 0.07	21.89 0.43 0.00	24.65 0.58 0.00	26.28 0.67 -0.01	27.59 0.67 -0.12	30.66 0.80 -0.11	32.56 0.91 -0.20	36.80 0.99 -0.41	39.72 1.18 -0.56	41.96 1.20 -0.67	44.99 1.45 -0.80	55.33 1.88 -1.30	69.83 2.73 -2.00	71.03 3.22 -2.04	62.85 3.08 -1.69	53.16 2.57 -1.18	43.29 1.91 -0.71	40.28 1.56 -0.58	33.53 1.22 -0.25
HDSNBRDG_115KV_BRDG_TB1 355580	20.84 -0.17 0.00	19.43 -0.18 0.00	17.21 -0.16 0.00	16.60 -0.13 0.00	16.59 -0.12 0.00	18.87 -0.09 0.00	21.40 -0.06 0.00	23.95 -0.12 0.00	25.50 -0.13 -0.02	27.08 0.05 -0.23	30.11 0.15 -0.21	32.00 0.16 -0.39	36.40 0.21 -0.80	39.36 0.30 -1.07	41.85 0.48 -1.28	44.79 0.51 -1.54	55.38 0.73 -2.50	69.79 0.85 -3.84	70.56 0.85 -3.94	62.22 0.87 -3.27	52.37 0.69 -2.27	42.57 0.53 -1.37	39.60 0.34 -1.12	32.77 0.22 -0.48
HELLGATE_13_KV_LD 55870	22.44 1.43 0.00	21.01 1.39 0.00	18.58 1.22 0.00	17.84 1.10 0.00	17.81 1.10 0.00	20.16 1.19 0.00	22.77 1.31 0.00	25.88 1.81 0.00	27.61 2.00 0.00	28.87 2.06 0.00	32.04 2.29 0.00	33.78 2.33 0.00	38.08 2.69 0.00	40.68 2.70 0.00	42.54 2.45 0.00	45.01 2.27 -0.01	54.54 2.40 0.01	69.45 2.41 -1.95	69.68 2.04 -1.87	60.06 1.68 -0.30	51.64 2.22 0.00	42.34 1.67 0.00	40.47 2.33 0.00	34.24 2.18 0.00
HELLGT_W_13_KV_BRUCKNER_REV_LBMP_J 345018	22.44 1.43 0.00	21.01 1.39 0.00	18.58 1.22 0.00	17.84 1.10 0.00	17.81 1.10 0.00	20.16 1.19 0.00	22.77 1.31 0.00	25.88 1.81 0.00	27.61 2.00 0.00	28.87 2.06 0.00	32.04 2.29 0.00	33.78 2.33 0.00	38.08 2.69 0.00	40.68 2.70 0.00	42.54 2.45 0.00	45.01 2.27 -0.01	54.54 2.40 0.01	69.45 2.41 -1.95	69.68 2.04 -1.87	60.06 1.68 -0.30	51.64 2.22 0.00	42.34 1.67 0.00	40.47 2.33 0.00	34.24 2.18 0.00
HEMPSTEAD____ 23647	32.05 1.62 -9.43	28.79 1.55 -7.63	23.78 1.39 -5.03	23.77 1.29 -5.75	24.36 1.29 -6.37	27.56 1.44 -7.15	31.88 1.63 -8.78	32.69 2.07 -6.55	32.85 2.28 -4.97	33.06 2.36 -3.89	43.18 2.56 -10.87	43.93 2.55 -9.94	44.84 2.87 -6.58	45.86 2.93 -4.94	47.94 2.89 -4.96	66.67 2.82 -21.11	78.92 3.44 -23.33	99.86 3.97 -30.79	96.46 3.55 -27.14	79.53 2.90 -18.55	63.36 3.21 -10.73	67.32 2.40 -24.25	42.93 2.78 -2.00	34.71 2.63 -0.02
HEWLETT_69_KV_BK3 55828	32.30 1.87 -9.43	29.03 1.78 -7.63	23.99 1.60 -5.03	23.97 1.49 -5.75	24.56 1.49 -6.37	27.77 1.65 -7.15	32.11 1.87 -8.78	32.98 2.36 -6.55	33.14 2.56 -4.97	33.35 2.65 -3.89	43.53 2.92 -10.87	44.38 2.99 -9.94	45.34 3.36 -6.58	46.39 3.46 -4.94	48.50 3.45 -4.96	67.44 3.59 -21.11	79.44 3.96 -23.33	100.18 4.30 -30.79	96.85 3.95 -27.14	80.11 3.48 -18.55	64.10 3.95 -10.73	67.98 3.05 -24.25	43.46 3.32 -2.00	35.03 2.95 -0.02
HICKLING___1 23621	20.82 -0.19 0.00	19.42 -0.20 0.00	17.21 -0.16 0.00	16.67 -0.07 0.00	16.69 -0.02 0.00	19.04 0.08 0.00	21.76 0.30 0.00	24.24 0.17 0.00	26.13 0.51 -0.01	27.98 1.05 -0.13	31.27 1.40 -0.12	33.21 1.54 -0.22	37.68 1.84 -0.45	40.91 2.32 -0.60	43.74 2.93 -0.72	46.94 3.33 -0.87	58.05 4.48 -1.41	72.66 5.40 -2.16	73.27 5.26 -2.24	64.60 4.65 -1.87	54.49 3.80 -1.27	44.49 3.05 -0.77	41.25 2.48 -0.63	34.22 1.89 -0.27
HICKLING___2 23622	20.82 -0.19 0.00	19.42 -0.20 0.00	17.21 -0.16 0.00	16.67 -0.07 0.00	16.69 -0.02 0.00	19.04 0.08 0.00	21.76 0.30 0.00	24.24 0.17 0.00	26.13 0.51 -0.01	27.98 1.05 -0.13	31.27 1.40 -0.12	33.21 1.54 -0.22	37.68 1.84 -0.45	40.91 2.32 -0.60	43.74 2.93 -0.72	46.94 3.33 -0.87	58.05 4.48 -1.41	72.66 5.40 -2.16	73.27 5.26 -2.24	64.60 4.65 -1.87	54.49 3.80 -1.27	44.49 3.05 -0.77	41.25 2.48 -0.63	34.22 1.89 -0.27
HIGH FALLS___HY 23754	22.24 1.24 0.00	20.73 1.12 0.00	18.35 0.99 0.00	17.66 0.92 0.00	17.63 0.92 0.00	19.97 1.01 0.00	22.60 1.14 0.00	25.61 1.54 0.00	27.32 1.72 0.00	28.52 1.72 0.00	31.77 2.02 0.00	33.53 2.08 0.00	37.73 2.34 0.00	40.34 2.36 0.00	42.42 2.33 0.00	45.13 2.39 0.00	55.17 3.02 0.00	69.42 3.39 -0.94	69.89 3.22 -0.90	60.95 2.73 -0.14	52.33 2.92 0.00	42.79 2.11 0.00	40.32 2.17 0.00	34.05 1.99 0.00
HIGH_RIVER___SOLAR 323847	21.93 0.92 0.00	20.47 0.86 0.00	18.11 0.75 0.00	17.44 0.70 0.00	17.42 0.72 0.00	19.76 0.80 0.00	22.41 0.94 0.00	25.11 1.04 0.00	26.73 1.13 0.00	27.90 1.10 0.00	30.94 1.19 0.00	32.52 1.07 0.00	36.67 1.27 0.00	39.32 1.33 0.00	41.50 1.40 0.00	44.36 1.62 0.00	53.97 1.83 0.00	65.90 2.21 1.41	66.76 2.37 1.37	60.11 2.27 0.23	51.59 2.17 0.00	42.54 1.87 0.00	39.90 1.75 0.00	33.50 1.44 0.00



HILLBURN___GT 23639	22.22 1.22 0.00	20.77 1.16 0.00	18.41 1.04 0.00	17.71 0.97 0.00	17.67 0.97 0.00	19.99 1.02 0.00	22.64 1.18 0.00	25.64 1.56 0.00	27.37 1.77 0.00	28.63 1.82 0.00	31.83 2.08 0.00	33.49 2.04 0.00	37.69 2.30 0.00	40.27 2.28 0.00	42.30 2.20 0.00	44.92 2.18 -0.01	54.86 2.71 0.00	69.82 3.00 -1.72	69.98 2.56 -1.66	60.38 2.03 -0.27	51.79 2.37 0.00	42.38 1.71 0.00	40.01 1.87 0.00	33.92 1.86 0.00
HILLSIDE_115KV_TB1 80332	20.63 -0.38 0.00	19.26 -0.35 0.00	17.07 -0.30 0.00	16.53 -0.20 0.00	16.54 -0.17 0.00	18.83 -0.13 0.00	21.51 0.04 0.00	23.95 -0.12 0.00	25.77 0.15 -0.01	27.52 0.59 -0.13	30.74 0.86 -0.12	32.68 1.01 -0.23	37.06 1.20 -0.46	40.17 1.56 -0.62	42.92 2.08 -0.75	46.07 2.44 -0.90	56.89 3.29 -1.46	71.17 3.84 -2.23	71.70 3.62 -2.32	63.15 3.14 -1.93	53.30 2.57 -1.32	43.54 2.07 -0.79	40.43 1.64 -0.65	33.56 1.22 -0.28
HISHELDN_WT_PWR 323625	20.18 -0.82 0.00	18.83 -0.79 0.00	16.65 -0.71 0.00	16.18 -0.55 0.00	16.21 -0.50 0.00	18.61 -0.36 0.00	21.36 -0.11 0.00	23.64 -0.43 0.00	25.51 -0.10 0.00	27.47 0.67 0.00	30.88 1.13 0.00	32.71 1.26 0.00	36.99 1.59 0.00	40.31 2.32 0.00	42.98 2.89 0.00	46.07 3.34 0.00	56.58 4.43 0.00	70.44 5.34 0.00	71.05 5.26 -0.03	62.76 4.65 -0.03	53.22 3.81 0.00	43.85 3.17 0.00	41.12 2.98 0.00	33.89 1.83 0.00
HOLTSVILLE_IC_1 23690	32.28 1.85 -9.43	29.01 1.77 -7.63	23.97 1.58 -5.03	23.95 1.47 -5.75	24.58 1.50 -6.37	27.77 1.65 -7.15	32.14 1.89 -8.78	32.91 2.29 -6.55	33.09 2.51 -4.97	33.27 2.57 -3.89	43.35 2.74 -10.87	44.12 2.73 -9.94	45.06 3.08 -6.58	46.01 3.08 -4.94	47.98 3.01 -4.88	65.56 2.95 -19.87	77.11 3.60 -21.36	97.07 4.43 -27.54	94.12 4.08 -24.27	78.06 3.31 -16.67	62.56 3.41 -9.74	66.26 2.61 -22.98	43.65 3.51 -2.00	35.28 3.21 -0.02
HOLTSVILLE_IC_10 23699	32.36 1.93 -9.43	29.09 1.84 -7.63	24.02 1.63 -5.03	24.02 1.54 -5.75	24.63 1.55 -6.37	27.83 1.71 -7.15	32.22 1.97 -8.78	33.03 2.41 -6.55	33.21 2.64 -4.97	33.40 2.71 -3.89	43.54 2.92 -10.87	44.31 2.93 -9.94	45.30 3.33 -6.58	46.28 3.34 -4.94	48.23 3.29 -4.85	65.48 3.25 -19.50	76.93 4.02 -20.77	96.68 5.01 -26.56	93.84 4.67 -23.40	77.95 3.77 -16.10	62.65 3.81 -9.43	66.20 2.93 -22.60	43.92 3.78 -2.00	35.51 3.43 -0.02
HOLTSVILLE_IC_2 23691	32.28 1.85 -9.43	29.01 1.77 -7.63	23.97 1.58 -5.03	23.95 1.47 -5.75	24.58 1.50 -6.37	27.77 1.65 -7.15	32.14 1.89 -8.78	32.91 2.29 -6.55	33.09 2.51 -4.97	33.27 2.57 -3.89	43.35 2.74 -10.87	44.12 2.73 -9.94	45.06 3.08 -6.58	46.01 3.08 -4.94	47.98 3.01 -4.88	65.56 2.95 -19.87	77.11 3.60 -21.36	97.07 4.43 -27.54	94.12 4.08 -24.27	78.06 3.31 -16.67	62.56 3.41 -9.74	66.26 2.61 -22.98	43.65 3.51 -2.00	35.28 3.21 -0.02
HOLTSVILLE_IC_3 23692	32.28 1.85 -9.43	29.01 1.77 -7.63	23.97 1.58 -5.03	23.95 1.47 -5.75	24.58 1.50 -6.37	27.77 1.65 -7.15	32.14 1.89 -8.78	32.91 2.29 -6.55	33.09 2.51 -4.97	33.27 2.57 -3.89	43.35 2.74 -10.87	44.12 2.73 -9.94	45.06 3.08 -6.58	46.01 3.08 -4.94	47.98 3.01 -4.88	65.56 2.95 -19.87	77.11 3.60 -21.36	97.07 4.43 -27.54	94.12 4.08 -24.27	78.06 3.31 -16.67	62.56 3.41 -9.74	66.26 2.61 -22.98	43.65 3.51 -2.00	35.28 3.21 -0.02
HOLTSVILLE_IC_4 23693	32.28 1.85 -9.43	29.01 1.77 -7.63	23.97 1.58 -5.03	23.95 1.47 -5.75	24.58 1.50 -6.37	27.77 1.65 -7.15	32.14 1.89 -8.78	32.91 2.29 -6.55	33.09 2.51 -4.97	33.27 2.57 -3.89	43.35 2.74 -10.87	44.12 2.73 -9.94	45.06 3.08 -6.58	46.01 3.08 -4.94	47.98 3.01 -4.88	65.56 2.95 -19.87	77.11 3.60 -21.36	97.07 4.43 -27.54	94.12 4.08 -24.27	78.06 3.31 -16.67	62.56 3.41 -9.74	66.26 2.61 -22.98	43.65 3.51 -2.00	35.28 3.21 -0.02
HOLTSVILLE_IC_5 23694	32.28 1.85 -9.43	29.01 1.77 -7.63	23.97 1.58 -5.03	23.95 1.47 -5.75	24.58 1.50 -6.37	27.77 1.65 -7.15	32.14 1.89 -8.78	32.91 2.29 -6.55	33.09 2.51 -4.97	33.27 2.57 -3.89	43.35 2.74 -10.87	44.12 2.73 -9.94	45.06 3.08 -6.58	46.01 3.08 -4.94	47.98 3.01 -4.88	65.56 2.95 -19.87	77.11 3.60 -21.36	97.07 4.43 -27.54	94.12 4.08 -24.27	78.06 3.31 -16.67	62.56 3.41 -9.74	66.26 2.61 -22.98	43.65 3.51 -2.00	35.28 3.21 -0.02
HOLTSVILLE_IC_6 23695	32.36 1.93 -9.43	29.09 1.84 -7.63	24.02 1.63 -5.03	24.02 1.54 -5.75	24.63 1.55 -6.37	27.83 1.71 -7.15	32.22 1.97 -8.78	33.03 2.41 -6.55	33.21 2.64 -4.97	33.40 2.71 -3.89	43.54 2.92 -10.87	44.31 2.93 -9.94	45.30 3.33 -6.58	46.28 3.34 -4.94	48.23 3.29 -4.85	65.48 3.25 -19.50	76.93 4.02 -20.77	96.68 5.01 -26.56	93.84 4.67 -23.40	77.95 3.77 -16.10	62.65 3.81 -9.43	66.20 2.93 -22.60	43.92 3.78 -2.00	35.51 3.43 -0.02
HOLTSVILLE_IC_7 23696	32.36 1.93 -9.43	29.09 1.84 -7.63	24.02 1.63 -5.03	24.02 1.54 -5.75	24.63 1.55 -6.37	27.83 1.71 -7.15	32.22 1.97 -8.78	33.03 2.41 -6.55	33.21 2.64 -4.97	33.40 2.71 -3.89	43.54 2.92 -10.87	44.31 2.93 -9.94	45.30 3.33 -6.58	46.28 3.34 -4.94	48.23 3.29 -4.85	65.48 3.25 -19.50	76.93 4.02 -20.77	96.68 5.01 -26.56	93.84 4.67 -23.40	77.95 3.77 -16.10	62.65 3.81 -9.43	66.20 2.93 -22.60	43.92 3.78 -2.00	35.51 3.43 -0.02
HOLTSVILLE_IC_8 23697	32.36 1.93 -9.43	29.09 1.84 -7.63	24.02 1.63 -5.03	24.02 1.54 -5.75	24.63 1.55 -6.37	27.83 1.71 -7.15	32.22 1.97 -8.78	33.03 2.41 -6.55	33.21 2.64 -4.97	33.40 2.71 -3.89	43.54 2.92 -10.87	44.31 2.93 -9.94	45.30 3.33 -6.58	46.28 3.34 -4.94	48.23 3.29 -4.85	65.48 3.25 -19.50	76.93 4.02 -20.77	96.68 5.01 -26.56	93.84 4.67 -23.40	77.95 3.77 -16.10	62.65 3.81 -9.43	66.20 2.93 -22.60	43.92 3.78 -2.00	35.51 3.43 -0.02
HOLTSVILLE_IC_9 23698	32.36 1.93 -9.43	29.09 1.84 -7.63	24.02 1.63 -5.03	24.02 1.54 -5.75	24.63 1.55 -6.37	27.83 1.71 -7.15	32.22 1.97 -8.78	33.03 2.41 -6.55	33.21 2.64 -4.97	33.40 2.71 -3.89	43.54 2.92 -10.87	44.31 2.93 -9.94	45.30 3.33 -6.58	46.28 3.34 -4.94	48.23 3.29 -4.85	65.48 3.25 -19.50	76.93 4.02 -20.77	96.68 5.01 -26.56	93.84 4.67 -23.40	77.95 3.77 -16.10	62.65 3.81 -9.43	66.20 2.93 -22.60	43.92 3.78 -2.00	35.51 3.43 -0.02
HOMER_HL_115KV_TB2 355744	20.48 -0.53 0.00	19.10 -0.51 0.00	16.93 -0.43 0.00	16.50 -0.23 0.00	16.51 -0.20 0.00	18.87 -0.09 0.00	21.68 0.21 0.00	23.81 -0.26 0.00	25.81 0.20 0.00	27.77 0.96 0.00	31.15 1.40 0.00	33.12 1.67 0.00	37.34 1.95 0.00	40.19 2.20 0.00	43.10 3.01 0.00	46.28 3.55 0.00	56.84 4.69 0.00	70.44 5.34 0.00	70.46 4.67 -0.03	61.59 3.48 -0.03	52.77 3.36 0.00	43.40 2.73 0.00	40.32 2.17 0.00	34.14 2.08 0.00
HOWARD_WT_PWR 323690	20.46 -0.55 0.00	19.06 -0.55 0.00	16.84 -0.52 0.00	16.35 -0.38 0.00	16.39 -0.32 0.00	18.82 -0.15 0.00	21.63 0.17 0.00	24.22 0.15 0.00	26.13 0.51 -0.01	28.10 1.21 -0.10	31.59 1.75 -0.09	33.50 1.89 -0.16	38.06 2.34 -0.33	41.47 3.04 -0.45	44.19 3.57 -0.54	47.40 4.02 -0.64	58.57 5.37 -1.05	73.45 6.77 -1.58	74.32 6.90 -1.65	65.49 6.04 -1.37	55.34 4.99 -0.93	45.18 3.94 -0.56	42.19 3.58 -0.46	34.63 2.37 -0.20



HQ_GEN_CEDARS 23644	20.63 -0.38 0.00	19.24 -0.37 0.00	17.04 -0.31 0.01	15.39 -0.32 1.03	16.40 -0.30 0.01	18.02 -0.36 0.59	21.03 -0.43 0.01	23.27 -0.79 0.01	24.74 -0.87 0.00	25.76 -1.05 0.00	28.59 -1.16 0.00	30.63 -0.82 0.00	34.30 -1.10 0.00	36.73 -1.25 0.00	38.53 -1.56 0.00	41.45 -1.28 0.00	50.79 -1.36 0.00	64.38 -0.72 0.00	65.44 -0.33 0.00	57.62 -0.46 0.00	47.73 -1.68 0.00	39.21 -1.46 0.00	36.81 -1.33 0.00	30.94 -1.12 0.00
HQ_GEN_CEDARS_PROXY 323590	20.63 -0.38 0.00	19.24 -0.37 0.00	17.04 -0.31 0.01	15.39 -0.32 1.03	16.40 -0.30 0.01	18.02 -0.36 0.59	21.03 -0.43 0.01	23.27 -0.79 0.01	24.74 -0.87 0.00	25.76 -1.05 0.00	28.59 -1.16 0.00	30.63 -0.82 0.00	34.30 -1.10 0.00	36.74 -1.25 0.00	38.53 -1.56 0.00	41.46 -1.28 0.00	50.48 -1.67 0.00	63.86 -1.24 0.00	64.84 -0.92 0.00	57.15 -0.93 0.00	47.29 -2.12 0.00	40.64 -1.63 -1.59	34.98 -1.57 1.59	30.81 -1.25 0.00
HQ_GEN_IMPORT 323601	20.67 -0.34 0.00	19.30 -0.31 0.00	17.08 -0.28 0.00	16.22 -0.27 0.25	16.42 -0.28 0.00	18.50 -0.32 0.14	21.08 -0.39 0.00	23.61 -0.46 0.00	25.12 -0.49 0.00	26.24 -0.56 0.00	29.10 -0.65 0.00	30.88 -0.57 0.00	34.72 -0.67 0.00	27.00 -0.72 10.26	32.13 -0.80 7.16	32.13 -0.81 9.79	32.13 -1.10 18.92	63.99 -1.11 0.00	64.78 -0.98 0.00	57.09 -0.99 0.00	48.23 -1.19 0.00	41.37 -0.89 -1.59	35.67 -0.88 1.59	31.32 -0.74 0.00
HQ_GEN_WHEEL 23651	20.67 -0.34 0.00	19.30 -0.31 0.00	17.08 -0.28 0.00	16.22 -0.27 0.25	16.42 -0.28 0.00	18.50 -0.32 0.14	21.08 -0.39 0.00	23.61 -0.46 0.00	25.12 -0.49 0.00	26.24 -0.56 0.00	29.10 -0.65 0.00	30.88 -0.57 0.00	34.72 -0.67 0.00	27.00 -0.72 10.26	32.13 -0.80 7.16	32.13 -0.81 9.79	32.13 -1.10 18.92	63.99 -1.11 0.00	64.78 -0.98 0.00	57.09 -0.99 0.00	48.23 -1.19 0.00	41.37 -0.89 -1.59	35.67 -0.88 1.59	31.32 -0.74 0.00
HUDSON AVE_GT_3 23810	22.41 1.41 0.00	20.96 1.35 0.00	18.58 1.22 0.00	17.84 1.10 0.00	17.81 1.10 0.00	20.20 1.23 0.00	22.86 1.40 0.00	25.97 1.90 0.00	27.71 2.10 0.00	28.97 2.17 0.00	32.16 2.41 0.00	33.90 2.45 0.00	38.15 2.76 0.00	40.80 2.81 0.00	42.74 2.65 0.00	45.26 2.52 -0.01	55.02 2.87 0.00	70.05 2.99 -1.95	70.27 2.63 -1.88	60.59 2.21 -0.31	52.08 2.67 0.00	42.62 1.95 0.00	40.51 2.36 0.00	34.24 2.18 0.00
HUDSON AVE_GT_4 23540	22.41 1.41 0.00	20.96 1.35 0.00	18.58 1.22 0.00	17.84 1.10 0.00	17.81 1.10 0.00	20.20 1.23 0.00	22.86 1.40 0.00	25.97 1.90 0.00	27.71 2.10 0.00	28.97 2.17 0.00	32.16 2.41 0.00	33.90 2.45 0.00	38.15 2.76 0.00	40.80 2.81 0.00	42.74 2.65 0.00	45.26 2.52 -0.01	55.02 2.87 0.00	70.05 2.99 -1.95	70.27 2.63 -1.88	60.59 2.21 -0.31	52.08 2.67 0.00	42.62 1.95 0.00	40.51 2.36 0.00	34.24 2.18 0.00
HUDSON AVE_GT_5 23657	22.41 1.41 0.00	20.96 1.35 0.00	18.58 1.22 0.00	17.84 1.10 0.00	17.81 1.10 0.00	20.20 1.23 0.00	22.86 1.40 0.00	25.97 1.90 0.00	27.71 2.10 0.00	28.97 2.17 0.00	32.16 2.41 0.00	33.90 2.45 0.00	38.15 2.76 0.00	40.80 2.81 0.00	42.74 2.65 0.00	45.26 2.52 -0.01	55.02 2.87 0.00	70.05 2.99 -1.95	70.27 2.63 -1.88	60.59 2.21 -0.31	52.08 2.67 0.00	42.62 1.95 0.00	40.51 2.36 0.00	34.24 2.18 0.00
HUDSON_AVE_10 24168	22.35 1.34 0.00	20.91 1.29 0.00	18.53 1.16 0.00	17.79 1.05 0.00	17.76 1.05 0.00	20.14 1.18 0.00	22.79 1.33 0.00	25.95 1.88 0.00	27.66 2.05 0.00	28.95 2.14 0.00	32.07 2.32 0.00	33.78 2.33 0.00	38.05 2.65 0.00	40.65 2.66 0.00	42.58 2.49 0.00	45.09 2.35 -0.01	54.86 2.71 0.00	69.85 2.80 -1.95	70.01 2.37 -1.88	60.42 2.03 -0.31	51.93 2.52 0.00	42.46 1.79 0.00	40.43 2.29 0.00	34.14 2.08 0.00
HUDSON___115KV_TB 4 355613	22.01 1.01 0.00	20.55 0.94 0.00	18.18 0.82 0.00	17.51 0.77 0.00	17.46 0.75 0.00	19.78 0.82 0.00	22.41 0.94 0.00	25.08 1.01 0.00	26.71 1.10 0.00	27.69 0.88 0.00	30.55 0.80 0.00	32.14 0.69 0.00	36.21 0.81 0.00	38.82 0.84 0.00	41.05 0.96 0.00	43.80 1.07 0.00	53.61 1.46 0.00	65.98 2.02 1.14	66.76 2.10 1.11	59.98 2.09 0.19	51.34 1.93 0.00	42.34 1.67 0.00	39.63 1.49 0.00	33.34 1.28 0.00
HUNTER MOUNT___DRP 323613	22.08 1.07 0.00	20.61 1.00 0.00	18.21 0.85 0.00	17.54 0.80 0.00	17.49 0.79 0.00	19.82 0.85 0.00	22.47 1.01 0.00	25.11 1.04 0.00	26.76 1.15 0.00	27.71 0.91 0.00	30.61 0.86 0.00	32.14 0.69 0.00	36.24 0.85 0.00	38.86 0.87 0.00	41.17 1.08 0.00	43.97 1.24 0.00	53.92 1.77 0.00	67.13 2.73 0.70	67.98 2.89 0.68	60.81 2.85 0.12	51.84 2.42 0.00	42.75 2.07 0.00	39.86 1.72 0.00	33.50 1.44 0.00
HUNTINGTON_RES_REC 323705	32.17 1.74 -9.43	28.91 1.67 -7.63	23.87 1.48 -5.03	23.87 1.39 -5.75	24.46 1.39 -6.37	27.66 1.54 -7.15	32.01 1.76 -8.78	32.84 2.21 -6.55	33.01 2.43 -4.97	33.19 2.49 -3.89	43.30 2.68 -10.87	44.06 2.67 -9.94	44.95 2.97 -6.58	45.86 2.93 -4.94	47.58 2.85 -4.64	61.95 2.82 -16.40	71.48 3.49 -15.83	87.77 4.23 -18.45	85.80 3.81 -16.22	72.56 3.08 -11.40	59.61 3.26 -6.94	62.52 2.44 -19.41	43.50 3.36 -2.00	35.12 3.05 -0.02
HUNTLEY___63 23557	20.19 -0.82 0.00	18.87 -0.75 0.00	16.65 -0.71 0.00	16.22 -0.52 0.00	16.22 -0.48 0.00	18.66 -0.30 0.00	21.42 -0.04 0.00	23.42 -0.65 0.00	25.51 -0.10 0.00	27.53 0.72 0.00	30.79 1.04 0.00	32.80 1.35 0.00	36.95 1.56 0.00	40.34 2.36 0.00	43.22 3.13 0.00	46.16 3.42 0.00	56.53 4.38 0.00	70.31 5.21 0.00	70.52 4.74 -0.02	62.52 4.41 -0.02	52.97 3.56 0.00	43.76 3.09 0.00	40.77 2.63 0.00	33.95 1.89 0.00
HUNTLEY___64 23558	20.19 -0.82 0.00	18.87 -0.75 0.00	16.65 -0.71 0.00	16.22 -0.52 0.00	16.22 -0.48 0.00	18.66 -0.30 0.00	21.42 -0.04 0.00	23.42 -0.65 0.00	25.51 -0.10 0.00	27.53 0.72 0.00	30.79 1.04 0.00	32.80 1.35 0.00	36.95 1.56 0.00	40.34 2.36 0.00	43.22 3.13 0.00	46.16 3.42 0.00	56.53 4.38 0.00	70.31 5.21 0.00	70.52 4.74 -0.02	62.52 4.41 -0.02	52.97 3.56 0.00	43.76 3.09 0.00	40.77 2.63 0.00	33.95 1.89 0.00
HUNTLEY___65 23559	20.19 -0.82 0.00	18.87 -0.75 0.00	16.65 -0.71 0.00	16.22 -0.52 0.00	16.22 -0.48 0.00	18.66 -0.30 0.00	21.42 -0.04 0.00	23.42 -0.65 0.00	25.51 -0.10 0.00	27.53 0.72 0.00	30.79 1.04 0.00	32.80 1.35 0.00	36.95 1.56 0.00	40.34 2.36 0.00	43.22 3.13 0.00	46.16 3.42 0.00	56.53 4.38 0.00	70.31 5.21 0.00	70.52 4.74 -0.02	62.52 4.41 -0.02	52.97 3.56 0.00	43.76 3.09 0.00	40.77 2.63 0.00	33.95 1.89 0.00
HUNTLEY___66 23560	20.19 -0.82 0.00	18.87 -0.75 0.00	16.65 -0.71 0.00	16.22 -0.52 0.00	16.22 -0.48 0.00	18.66 -0.30 0.00	21.42 -0.04 0.00	23.42 -0.65 0.00	25.51 -0.10 0.00	27.53 0.72 0.00	30.79 1.04 0.00	32.80 1.35 0.00	36.95 1.56 0.00	40.34 2.36 0.00	43.22 3.13 0.00	46.16 3.42 0.00	56.53 4.38 0.00	70.31 5.21 0.00	70.52 4.74 -0.02	62.52 4.41 -0.02	52.97 3.56 0.00	43.76 3.09 0.00	40.77 2.63 0.00	33.95 1.89 0.00



HUNTLEY___67 23561	20.10 -0.90 0.00	18.79 -0.82 0.00	16.60 -0.76 0.00	16.13 -0.60 0.00	16.14 -0.57 0.00	18.55 -0.42 0.00	21.29 -0.17 0.00	23.30 -0.77 0.00	25.33 -0.28 0.00	27.31 0.51 0.00	30.52 0.77 0.00	32.49 1.04 0.00	36.60 1.20 0.00	39.89 1.90 0.00	42.74 2.65 0.00	45.81 3.08 0.00	56.16 4.02 0.00	69.79 4.69 0.00	70.06 4.27 -0.02	62.00 3.89 -0.02	52.53 3.11 0.00	43.28 2.60 0.00	40.32 2.17 0.00	33.60 1.54 0.00
HUNTLEY___68 23562	20.10 -0.90 0.00	18.79 -0.82 0.00	16.60 -0.76 0.00	16.13 -0.60 0.00	16.14 -0.57 0.00	18.55 -0.42 0.00	21.29 -0.17 0.00	23.30 -0.77 0.00	25.33 -0.28 0.00	27.31 0.51 0.00	30.52 0.77 0.00	32.49 1.04 0.00	36.60 1.20 0.00	39.89 1.90 0.00	42.74 2.65 0.00	45.81 3.08 0.00	56.16 4.02 0.00	69.79 4.69 0.00	70.06 4.27 -0.02	62.00 3.89 -0.02	52.53 3.11 0.00	43.28 2.60 0.00	40.32 2.17 0.00	33.60 1.54 0.00
HYLAND___LFG 323620	21.30 0.29 0.00	19.81 0.20 0.00	17.49 0.12 0.00	16.92 0.18 0.00	16.94 0.23 0.00	19.46 0.49 0.00	22.28 0.82 0.00	24.72 0.65 0.00	26.17 0.56 0.00	27.74 0.94 0.00	30.58 0.83 0.00	32.14 0.69 0.00	36.31 0.92 0.00	39.51 1.52 0.00	41.21 1.12 0.00	44.27 1.54 0.00	54.81 2.66 0.00	69.27 4.17 0.00	71.77 5.98 -0.02	64.55 6.45 -0.02	54.90 5.48 0.00	45.11 4.43 0.00	43.18 5.03 0.00	35.33 3.27 0.00
INDECK___CORINTH 23802	22.50 1.49 0.00	20.98 1.37 0.00	18.56 1.20 0.00	17.87 1.14 0.00	17.84 1.14 0.00	20.24 1.27 0.00	22.99 1.52 0.00	25.71 1.64 0.00	27.50 1.89 0.00	28.65 1.85 0.00	30.79 1.04 0.00	32.43 0.98 0.00	36.45 1.06 0.00	39.13 1.14 0.00	41.46 1.36 0.00	44.35 1.62 0.01	53.87 1.72 0.00	65.35 2.08 1.84	66.03 2.04 1.78	59.41 1.62 0.30	51.49 2.08 0.00	42.46 1.79 0.00	40.01 1.87 0.00	33.57 1.51 0.00
INDECK___ILION 23567	21.24 0.23 0.00	19.85 0.24 0.00	17.56 0.19 0.00	16.97 0.18 -0.05	16.91 0.20 0.00	19.23 0.23 -0.03	21.74 0.28 0.00	24.41 0.34 0.00	25.99 0.38 0.00	27.20 0.40 0.00	30.23 0.48 0.00	31.92 0.47 0.00	35.92 0.53 0.00	38.60 0.61 0.00	40.73 0.64 0.00	43.42 0.68 0.00	52.98 0.83 0.00	66.08 0.98 0.00	66.75 0.99 0.00	59.01 0.93 0.00	50.30 0.89 0.00	41.36 0.69 0.00	38.75 0.61 0.00	32.61 0.55 0.00
INDECK___OLEAN 23982	20.48 -0.52 0.00	19.10 -0.51 0.00	16.93 -0.43 0.00	16.50 -0.23 0.00	16.51 -0.20 0.00	18.87 -0.09 0.00	21.68 0.21 0.00	23.91 -0.17 0.00	25.81 0.20 0.00	27.77 0.96 0.00	31.24 1.49 0.00	33.12 1.67 0.00	37.45 2.05 0.00	40.80 2.81 0.00	43.14 3.05 0.00	46.28 3.55 0.00	56.94 4.79 0.00	70.63 5.53 0.00	71.06 5.26 -0.03	60.95 2.85 -0.03	53.02 3.61 0.00	43.68 3.01 0.00	41.31 3.16 0.00	34.21 2.15 0.00
INDECK___OSWEGO 23783	20.65 -0.36 0.00	19.28 -0.33 0.00	17.07 -0.30 0.00	16.42 -0.28 0.03	16.44 -0.27 0.00	18.69 -0.27 0.02	21.18 -0.28 0.00	23.71 -0.36 0.00	25.24 -0.44 -0.07	27.46 -0.35 -1.01	30.39 -0.30 -0.93	32.82 -0.35 -1.71	38.54 -0.35 -3.50	42.39 -0.31 -4.70	45.17 -0.56 -5.64	48.92 -0.60 -6.79	62.54 -0.62 -11.01	81.29 -0.78 -16.97	82.38 -0.72 -17.33	72.05 -0.40 -14.38	59.02 -0.40 -10.00	46.34 -0.37 -6.03	42.99 -0.08 -4.93	33.96 -0.22 -2.13
INDECK___YERKES 23781	20.21 -0.80 0.00	18.89 -0.73 0.00	16.67 -0.70 0.00	16.23 -0.50 0.00	16.24 -0.47 0.00	18.68 -0.28 0.00	21.44 -0.02 0.00	23.61 -0.46 0.00	25.53 -0.08 0.00	27.55 0.75 0.00	30.97 1.22 0.00	32.83 1.38 0.00	37.13 1.73 0.00	40.53 2.55 0.00	43.34 3.25 0.00	46.16 3.42 0.00	56.58 4.43 0.00	70.31 5.21 0.00	70.85 5.06 -0.02	62.92 4.82 -0.02	53.12 3.71 0.00	44.09 3.42 0.00	41.35 3.20 0.00	34.02 1.96 0.00
INDIAN POINT_GT_1 24139	22.22 1.22 0.00	20.77 1.16 0.00	18.41 1.04 0.00	17.71 0.97 0.00	17.66 0.95 0.00	20.01 1.04 0.00	22.64 1.18 0.00	25.66 1.59 0.00	27.35 1.74 0.00	28.60 1.80 0.00	31.77 2.02 0.00	33.49 2.04 0.00	37.69 2.30 0.00	40.27 2.28 0.00	42.26 2.16 0.00	44.84 2.09 -0.01	54.60 2.45 0.00	69.48 2.47 -1.91	69.77 2.17 -1.84	60.18 1.80 -0.30	51.59 2.17 0.00	42.30 1.63 0.00	40.05 1.91 0.00	33.89 1.83 0.00
INDIAN POINT_GT_2 23659	22.22 1.22 0.00	20.77 1.16 0.00	18.41 1.04 0.00	17.71 0.97 0.00	17.66 0.95 0.00	20.01 1.04 0.00	22.64 1.18 0.00	25.66 1.59 0.00	27.35 1.74 0.00	28.60 1.80 0.00	31.77 2.02 0.00	33.49 2.04 0.00	37.69 2.30 0.00	40.27 2.28 0.00	42.26 2.16 0.00	44.84 2.09 -0.01	54.60 2.45 0.00	69.48 2.47 -1.91	69.77 2.17 -1.84	60.18 1.80 -0.30	51.59 2.17 0.00	42.30 1.63 0.00	40.05 1.91 0.00	33.89 1.83 0.00
INDIAN POINT_GT_3 24019	22.22 1.22 0.00	20.77 1.16 0.00	18.41 1.04 0.00	17.71 0.97 0.00	17.66 0.95 0.00	20.01 1.04 0.00	22.64 1.18 0.00	25.66 1.59 0.00	27.35 1.74 0.00	28.60 1.80 0.00	31.77 2.02 0.00	33.49 2.04 0.00	37.69 2.30 0.00	40.27 2.28 0.00	42.26 2.16 0.00	44.84 2.09 -0.01	54.60 2.45 0.00	69.48 2.47 -1.91	69.77 2.17 -1.84	60.18 1.80 -0.30	51.59 2.17 0.00	42.30 1.63 0.00	40.05 1.91 0.00	33.89 1.83 0.00
INDIAN POINT___2 23530	22.20 1.20 0.00	20.75 1.14 0.00	18.39 1.02 0.00	17.69 0.95 0.00	17.66 0.95 0.00	19.99 1.02 0.00	22.62 1.16 0.00	25.61 1.54 0.00	27.32 1.72 0.00	28.57 1.77 0.00	31.74 1.99 0.00	33.43 1.98 0.00	37.59 2.20 0.00	40.15 2.16 0.00	42.18 2.08 0.00	44.75 2.01 -0.01	54.60 2.45 0.00	69.67 2.73 -1.84	69.84 2.30 -1.77	60.17 1.80 -0.29	51.64 2.23 0.00	42.26 1.58 0.00	39.97 1.83 0.00	33.89 1.83 0.00
INDIAN POINT___3 23531	22.20 1.20 0.00	20.75 1.14 0.00	18.39 1.02 0.00	17.69 0.95 0.00	17.66 0.95 0.00	19.99 1.02 0.00	22.64 1.18 0.00	25.64 1.56 0.00	27.32 1.72 0.00	28.57 1.77 0.00	31.74 1.99 0.00	33.43 1.98 0.00	37.62 2.23 0.00	40.15 2.17 0.00	42.18 2.08 0.00	44.71 1.97 -0.01	54.44 2.29 0.00	69.29 2.28 -1.92	69.51 1.91 -1.84	60.01 1.63 -0.30	51.44 2.03 0.00	42.18 1.50 0.00	39.97 1.83 0.00	33.82 1.76 0.00
INGHAM_C_115KV_TB7 356103	21.26 0.25 0.00	19.89 0.27 0.00	17.59 0.23 0.00	17.01 0.22 -0.05	16.94 0.23 0.00	19.28 0.28 -0.03	21.83 0.36 0.00	24.51 0.43 0.00	26.09 0.49 0.00	27.36 0.56 0.00	30.41 0.65 0.00	32.11 0.66 0.00	36.17 0.78 0.00	38.86 0.87 0.00	40.97 0.88 0.00	43.72 0.98 0.00	53.30 1.15 0.00	66.53 1.43 0.00	67.21 1.45 0.00	59.42 1.34 0.00	50.65 1.24 0.00	41.61 0.94 0.00	38.98 0.84 0.00	32.80 0.74 0.00
IP CORINTH___1 23988	22.50 1.49 0.00	20.98 1.37 0.00	18.56 1.20 0.00	17.87 1.14 0.00	17.84 1.14 0.00	20.24 1.27 0.00	22.99 1.52 0.00	25.73 1.66 0.00	27.50 1.89 0.00	28.65 1.85 0.00	31.77 2.02 0.00	32.61 1.16 0.00	36.67 1.27 0.00	39.36 1.37 0.00	41.70 1.60 0.00	44.61 1.88 0.01	54.08 1.93 0.00	65.61 2.34 1.84	66.29 2.30 1.78	59.70 1.92 0.30	51.64 2.22 0.00	42.67 1.99 0.00	40.24 2.10 0.00	33.73 1.67 0.00



IP___TICONDEROGA 23804	23.42 2.42 0.00	21.85 2.24 0.00	19.27 1.91 0.00	18.58 1.84 0.00	18.56 1.85 0.00	21.04 2.07 0.00	24.00 2.53 0.00	26.82 2.74 0.00	28.76 3.15 0.00	29.94 3.14 0.00	33.20 3.45 0.00	34.22 2.77 0.00	38.51 3.11 0.00	41.44 3.46 0.00	44.06 3.97 0.00	47.43 4.70 0.01	57.83 5.68 0.00	70.45 7.23 1.88	71.31 7.37 1.82	64.51 6.74 0.31	55.54 6.13 0.00	45.88 5.21 0.00	43.06 4.92 0.00	35.91 3.85 0.00
ISLIP_RES_REC 323679	32.45 2.02 -9.43	29.17 1.92 -7.63	24.09 1.70 -5.03	24.09 1.61 -5.75	24.69 1.62 -6.37	27.92 1.80 -7.15	32.33 2.08 -8.78	33.15 2.53 -6.55	33.34 2.77 -4.97	33.54 2.84 -3.89	43.71 3.09 -10.87	44.53 3.14 -9.94	45.55 3.57 -6.58	46.58 3.65 -4.94	48.56 3.61 -4.86	65.90 3.63 -19.53	77.46 4.49 -20.82	97.36 5.60 -26.66	94.52 5.26 -23.49	78.53 4.30 -16.16	63.08 4.20 -9.46	66.56 3.26 -22.63	44.18 4.04 -2.00	35.73 3.65 -0.02
JAMAICA__27_KV_LOAD 355505	22.43 1.43 0.00	20.98 1.37 0.00	18.56 1.20 0.00	17.82 1.09 0.00	17.79 1.09 0.00	20.22 1.25 0.00	22.94 1.48 0.00	26.14 2.07 0.00	27.91 2.30 0.00	29.19 2.39 0.00	32.19 2.44 0.00	33.93 2.48 0.00	38.12 2.73 0.00	40.76 2.77 0.00	42.70 2.61 0.00	45.26 2.52 -0.01	55.12 2.97 0.00	70.18 3.12 -1.95	70.41 2.76 -1.88	60.77 2.38 -0.31	52.33 2.92 0.00	42.58 1.91 0.00	40.70 2.56 0.00	34.30 2.24 0.00
JANIS___SOLAR 323808	21.68 0.67 0.00	20.24 0.63 0.00	17.85 0.49 0.00	17.22 0.49 0.00	17.22 0.52 0.00	19.65 0.68 0.00	22.41 0.94 0.00	24.67 0.60 0.00	26.21 0.59 -0.02	27.71 0.67 -0.24	30.72 0.74 -0.22	32.55 0.69 -0.40	37.07 0.85 -0.83	40.16 1.06 -1.11	42.79 1.36 -1.33	45.97 1.62 -1.60	57.26 2.50 -2.61	74.45 6.12 -3.24	75.99 6.84 -3.39	67.41 6.50 -2.82	56.86 5.53 -1.91	46.01 4.19 -1.15	42.63 3.55 -0.94	35.10 2.63 -0.41
JARVIS____ 23743	21.15 0.15 0.00	19.77 0.16 0.00	17.49 0.12 0.00	16.91 0.12 -0.05	16.82 0.12 0.00	19.13 0.13 -0.03	21.64 0.17 0.00	24.26 0.19 0.00	25.81 0.20 0.00	27.02 0.21 0.00	29.99 0.24 0.00	31.67 0.22 0.00	35.64 0.25 0.00	38.26 0.27 0.00	40.37 0.28 0.00	43.04 0.30 0.00	52.52 0.37 0.00	65.49 0.39 0.00	66.10 0.33 0.00	58.43 0.35 0.00	49.86 0.44 0.00	41.00 0.32 0.00	38.44 0.30 0.00	32.35 0.29 0.00
JENNISON___1 23625	21.87 0.86 0.00	20.43 0.82 0.00	18.02 0.66 0.00	17.37 0.64 0.00	17.37 0.67 0.00	19.80 0.83 0.00	22.58 1.12 0.00	25.57 1.49 0.00	27.43 1.82 -0.01	28.98 2.06 -0.11	32.35 2.50 -0.10	34.37 2.74 -0.19	38.96 3.19 -0.38	42.27 3.76 -0.52	44.84 4.13 -0.62	48.14 4.66 -0.75	59.46 6.10 -1.21	73.69 6.31 -2.28	74.96 6.71 -2.49	66.39 6.21 -2.09	56.10 5.34 -1.34	45.55 4.07 -0.81	42.24 3.43 -0.66	35.04 2.69 -0.29
JENNISON___2 23626	21.87 0.86 0.00	20.43 0.82 0.00	18.02 0.66 0.00	17.37 0.64 0.00	17.37 0.67 0.00	19.80 0.83 0.00	22.58 1.12 0.00	25.57 1.49 0.00	27.43 1.82 -0.01	28.98 2.06 -0.11	32.35 2.50 -0.10	34.37 2.74 -0.19	38.96 3.19 -0.38	42.27 3.76 -0.52	44.84 4.13 -0.62	48.14 4.66 -0.75	59.46 6.10 -1.21	73.69 6.31 -2.28	74.96 6.71 -2.49	66.39 6.21 -2.09	56.10 5.34 -1.34	45.55 4.07 -0.81	42.24 3.43 -0.66	35.04 2.69 -0.29
JERICHO_RISE_WT_PWR 323719	20.52 -0.48 0.00	19.04 -0.57 0.00	16.80 -0.56 0.01	15.08 -0.60 1.06	16.11 -0.59 0.01	17.64 -0.72 0.61	20.66 -0.79 0.01	23.25 -0.82 0.01	24.71 -0.90 0.00	25.78 -1.02 0.00	28.77 -0.98 0.00	30.66 -0.79 0.00	34.47 -0.92 0.00	36.96 -1.02 0.00	38.93 -1.16 0.00	41.54 -1.20 0.00	49.28 -2.87 0.00	61.39 -3.71 0.00	62.61 -3.16 0.00	55.24 -2.84 0.00	46.15 -3.26 0.00	38.44 -2.24 0.00	35.81 -2.33 0.00	30.07 -1.99 0.00
KATONAH___115KV_46KV_TB4 355592	22.37 1.37 0.00	20.91 1.29 0.00	18.51 1.15 0.00	17.77 1.04 0.00	17.74 1.04 0.00	20.11 1.14 0.00	22.75 1.29 0.00	25.76 1.69 0.00	27.50 1.89 0.00	28.73 1.93 0.00	31.98 2.23 0.00	33.78 2.33 0.00	38.01 2.62 0.00	40.68 2.70 0.00	42.78 2.69 0.00	45.39 2.65 -0.01	55.23 3.08 0.00	70.36 3.32 -1.94	70.65 3.03 -1.86	60.94 2.56 -0.30	52.23 2.82 0.00	42.75 2.07 0.00	40.39 2.25 0.00	34.08 2.02 0.00
KCE_NY_1 323755	22.26 1.26 0.00	20.79 1.18 0.00	18.39 1.02 0.00	17.71 0.97 0.00	17.69 0.99 0.00	20.05 1.08 0.00	22.75 1.29 0.00	25.44 1.37 0.00	27.14 1.54 0.00	28.27 1.47 0.00	31.09 1.34 0.00	32.74 1.29 0.00	36.85 1.45 0.00	39.55 1.56 0.00	41.81 1.72 0.00	44.61 1.88 0.01	54.44 2.29 0.00	65.89 2.73 1.94	66.59 2.70 1.88	60.21 2.44 0.31	51.93 2.52 0.00	42.87 2.19 0.00	40.24 2.10 0.00	33.85 1.79 0.00
KCE_NY_6_ESR 323823	20.35 -0.65 0.00	19.00 -0.61 0.00	16.81 -0.56 0.00	16.35 -0.38 0.00	16.35 -0.35 0.00	18.82 -0.15 0.00	21.59 0.13 0.00	23.81 -0.26 0.00	25.71 0.10 0.00	27.74 0.94 0.00	31.18 1.43 0.00	33.05 1.60 0.00	37.37 1.98 0.00	40.80 2.81 0.00	43.58 3.49 0.00	46.67 3.93 0.00	57.26 5.11 0.00	71.15 6.06 0.00	71.71 5.92 -0.02	63.22 5.11 -0.02	53.71 4.30 0.00	44.33 3.66 0.00	41.58 3.43 0.00	34.24 2.18 0.00
KEDC_PORT_JEFF_GT2 24210	32.30 1.87 -9.43	29.03 1.78 -7.63	23.99 1.60 -5.03	23.99 1.51 -5.75	24.59 1.52 -6.37	27.79 1.67 -7.15	32.18 1.93 -8.78	32.98 2.36 -6.55	33.13 2.56 -4.97	33.32 2.63 -3.89	43.45 2.83 -10.87	44.25 2.86 -9.94	45.20 3.22 -6.58	46.16 3.23 -4.94	48.06 3.13 -4.84	64.79 2.74 -19.32	76.01 3.39 -20.48	95.41 4.23 -26.09	92.56 3.81 -22.98	76.98 3.08 -15.82	61.91 3.21 -9.29	65.65 2.56 -22.41	43.81 3.66 -2.00	35.41 3.33 -0.02
KEDC_PORT_JEFF_GT3 24211	32.30 1.87 -9.43	29.03 1.78 -7.63	23.99 1.60 -5.03	23.99 1.51 -5.75	24.59 1.52 -6.37	27.79 1.67 -7.15	32.18 1.93 -8.78	32.98 2.36 -6.55	33.13 2.56 -4.97	33.32 2.63 -3.89	43.45 2.83 -10.87	44.25 2.86 -9.94	45.20 3.22 -6.58	46.16 3.23 -4.94	48.06 3.13 -4.84	64.79 2.74 -19.32	76.01 3.39 -20.48	95.41 4.23 -26.09	92.56 3.81 -22.98	76.98 3.08 -15.82	61.91 3.21 -9.29	65.65 2.56 -22.41	43.81 3.66 -2.00	35.41 3.33 -0.02
KEDC_GLWD_GT4 24219	32.05 1.62 -9.43	28.77 1.53 -7.63	23.76 1.37 -5.03	23.75 1.27 -5.75	24.34 1.27 -6.37	27.54 1.42 -7.15	31.86 1.61 -8.78	32.69 2.07 -6.55	32.85 2.28 -4.97	33.06 2.36 -3.89	43.27 2.65 -10.87	44.06 2.67 -9.94	44.99 3.01 -6.58	46.01 3.08 -4.94	48.10 3.05 -4.96	66.59 2.74 -21.11	78.82 3.34 -23.33	99.73 3.84 -30.79	96.32 3.42 -27.14	79.36 2.73 -18.55	63.21 3.06 -10.73	67.20 2.28 -24.25	42.93 2.78 -2.00	34.67 2.60 -0.02
KEDC_GLWD_GT5 24220	32.05 1.62 -9.43	28.77 1.53 -7.63	23.76 1.37 -5.03	23.75 1.27 -5.75	24.34 1.27 -6.37	27.54 1.42 -7.15	31.86 1.61 -8.78	32.69 2.07 -6.55	32.85 2.28 -4.97	33.06 2.36 -3.89	43.27 2.65 -10.87	44.06 2.67 -9.94	44.99 3.01 -6.58	46.01 3.08 -4.94	48.10 3.05 -4.96	66.59 2.74 -21.11	78.82 3.34 -23.33	99.73 3.84 -30.79	96.32 3.42 -27.14	79.36 2.73 -18.55	63.21 3.06 -10.73	67.20 2.28 -24.25	42.93 2.78 -2.00	34.67 2.60 -0.02



KENSICO____ 23655	22.29 1.28 0.00	20.83 1.22 0.00	18.46 1.09 0.00	17.76 1.02 0.00	17.71 1.00 0.00	20.07 1.10 0.00	22.73 1.27 0.00	25.76 1.69 0.00	27.45 1.84 0.00	28.70 1.90 0.00	31.86 2.11 0.00	33.59 2.14 0.00	37.80 2.41 0.00	40.38 2.39 0.00	42.42 2.33 0.00	44.97 2.22 -0.01	54.70 2.56 0.00	69.72 2.67 -1.95	69.94 2.30 -1.87	60.36 1.97 -0.30	51.74 2.32 0.00	42.38 1.71 0.00	40.20 2.06 0.00	33.98 1.92 0.00
KERHONKS_69_KV_TR1_REV_LBMP_G 345021	22.24 1.24 0.00	20.73 1.12 0.00	18.35 0.99 0.00	17.64 0.90 0.00	17.63 0.92 0.00	19.95 0.99 0.00	22.60 1.14 0.00	25.57 1.49 0.00	27.27 1.66 0.00	28.44 1.63 0.00	31.68 1.93 0.00	33.37 1.92 0.00	37.59 2.19 0.00	40.19 2.20 0.00	42.30 2.21 0.00	45.05 2.31 0.00	55.07 2.92 0.00	69.56 3.39 -1.07	69.95 3.16 -1.03	61.03 2.79 -0.17	52.28 2.87 0.00	42.83 2.16 0.00	40.32 2.17 0.00	34.05 1.99 0.00
KIAC_JFK_GT1 23816	22.31 1.30 0.00	20.87 1.26 0.00	18.48 1.11 0.00	17.74 1.00 0.00	17.71 1.00 0.00	20.12 1.16 0.00	22.82 1.35 0.00	26.02 1.95 0.00	27.76 2.15 0.00	29.03 2.22 0.00	32.01 2.26 0.00	33.75 2.30 0.00	37.77 2.37 0.00	40.38 2.39 0.00	42.30 2.21 0.00	44.79 2.05 -0.01	54.50 2.35 0.00	69.40 2.34 -1.95	69.62 1.97 -1.88	60.07 1.68 -0.31	51.74 2.32 0.00	42.18 1.50 0.00	40.28 2.14 0.00	33.98 1.92 0.00
KIAC_JFK_GT2 23817	22.31 1.30 0.00	20.87 1.26 0.00	18.48 1.11 0.00	17.74 1.00 0.00	17.71 1.00 0.00	20.12 1.16 0.00	22.82 1.35 0.00	26.02 1.95 0.00	27.76 2.15 0.00	29.03 2.22 0.00	32.01 2.26 0.00	33.75 2.30 0.00	37.77 2.37 0.00	40.38 2.39 0.00	42.30 2.21 0.00	44.79 2.05 -0.01	54.50 2.35 0.00	69.40 2.34 -1.95	69.62 1.97 -1.88	60.07 1.68 -0.31	51.74 2.32 0.00	42.18 1.50 0.00	40.28 2.14 0.00	33.98 1.92 0.00
KIAC_JFK____ 323774	22.31 1.30 0.00	20.87 1.26 0.00	18.48 1.11 0.00	17.74 1.00 0.00	17.71 1.00 0.00	20.12 1.16 0.00	22.82 1.35 0.00	26.00 1.93 0.00	27.76 2.15 0.00	29.03 2.22 0.00	32.04 2.29 0.00	33.72 2.27 0.00	37.73 2.34 0.00	40.31 2.32 0.00	42.30 2.20 0.00	44.79 2.05 -0.01	54.60 2.45 0.00	69.85 2.80 -1.95	69.95 2.30 -1.88	60.19 1.80 -0.31	51.93 2.52 0.00	42.26 1.58 0.00	40.28 2.13 0.00	34.05 1.99 0.00
KINTIGH____ 23543	20.10 -0.90 0.00	18.79 -0.82 0.00	16.58 -0.78 0.00	16.08 -0.65 0.00	16.09 -0.62 0.00	18.46 -0.51 0.00	21.12 -0.34 0.00	23.28 -0.79 0.00	25.17 -0.44 0.00	27.02 0.21 0.00	30.17 0.42 0.00	32.08 0.63 0.00	36.14 0.74 0.00	39.24 1.25 0.00	41.98 1.88 0.00	45.00 2.27 0.00	55.12 2.97 0.00	68.55 3.45 0.00	68.94 3.16 -0.02	61.18 3.08 -0.02	51.64 2.22 0.00	42.58 1.91 0.00	39.67 1.53 0.00	32.99 0.93 0.00
KNTFSRNC_46_KV_46KV_LOAD 80397	20.82 -0.19 0.00	19.28 -0.33 0.00	16.97 -0.38 0.01	15.18 -0.49 1.07	16.28 -0.42 0.01	17.78 -0.57 0.62	20.92 -0.54 0.01	23.61 -0.46 0.01	25.02 -0.59 0.00	26.02 -0.78 0.00	29.19 -0.57 0.00	31.14 -0.31 0.00	35.00 -0.39 0.00	37.49 -0.49 0.00	39.57 -0.52 0.00	42.22 -0.51 0.00	51.78 -0.37 0.00	65.36 0.26 0.00	66.95 1.18 0.00	59.01 0.93 0.00	49.27 -0.15 0.00	40.22 -0.45 0.00	37.42 -0.72 0.00	31.26 -0.80 0.00
LACHUTE__HYDRO 323717	23.42 2.41 0.00	21.85 2.23 0.00	19.27 1.91 0.00	18.58 1.84 0.00	18.56 1.85 0.00	21.04 2.07 0.00	24.00 2.53 0.00	26.82 2.74 0.00	28.76 3.15 0.00	29.94 3.13 0.00	32.49 2.74 0.00	34.22 2.77 0.00	38.51 3.12 0.00	41.44 3.46 0.00	44.06 3.97 0.00	47.43 4.70 0.01	57.94 5.79 0.00	70.64 7.42 1.88	71.57 7.63 1.82	64.57 6.79 0.31	55.69 6.28 0.00	45.96 5.29 0.00	43.14 5.00 0.00	35.97 3.91 0.00
LAWRNCAL_115KV_TB1 80681	20.54 -0.46 0.00	19.14 -0.47 0.00	16.94 -0.42 0.01	15.43 -0.40 0.90	16.32 -0.38 0.01	17.99 -0.46 0.52	20.94 -0.52 0.01	23.27 -0.79 0.01	24.74 -0.87 0.00	25.79 -1.07 -0.06	28.65 -1.16 -0.06	30.74 -0.82 -0.11	34.52 -1.10 -0.22	36.88 -1.41 -0.30	38.65 -1.80 -0.36	41.63 -1.54 -0.43	51.13 -1.72 -0.70	64.93 -1.24 -1.07	66.13 -0.72 -1.09	58.17 -0.81 -0.90	48.17 -1.88 -0.63	39.47 -1.59 -0.38	37.15 -1.30 -0.31	31.17 -1.03 -0.13
LEDERLE____ 23769	22.31 1.30 0.00	20.85 1.24 0.00	18.48 1.11 0.00	17.76 1.02 0.00	17.73 1.02 0.00	20.07 1.10 0.00	22.73 1.27 0.00	25.76 1.69 0.00	27.48 1.87 0.00	28.76 1.96 0.00	31.98 2.23 0.00	33.71 2.26 0.00	37.94 2.55 0.00	40.49 2.51 0.00	42.50 2.41 0.00	45.14 2.39 -0.01	54.97 2.82 0.00	69.87 2.99 -1.77	70.04 2.56 -1.71	60.51 2.15 -0.28	51.84 2.42 0.00	42.46 1.79 0.00	40.20 2.06 0.00	34.02 1.96 0.00
LIGHTHSE_115KV_TB6 355974	20.86 -0.15 0.00	19.47 -0.14 0.00	17.22 -0.14 0.00	16.52 -0.13 0.08	16.61 -0.10 0.00	18.87 -0.06 0.05	21.46 0.00 0.00	24.05 -0.02 0.00	25.59 -0.05 -0.04	27.40 0.05 -0.54	30.37 0.12 -0.50	32.53 0.16 -0.92	37.49 0.21 -1.88	40.82 0.30 -2.53	43.45 0.32 -3.03	46.82 0.43 -3.65	58.50 0.42 -5.93	74.94 0.72 -9.13	76.15 1.05 -9.33	67.04 1.22 -7.74	55.83 1.04 -5.38	44.69 0.77 -3.25	41.44 0.65 -2.65	33.59 0.38 -1.14
LINDEN COGEN____ 23786	22.31 1.30 0.00	20.89 1.27 0.00	18.53 1.16 0.00	17.79 1.05 0.00	17.76 1.05 0.00	20.14 1.18 0.00	22.75 1.29 0.00	25.85 1.78 0.00	27.58 1.97 0.00	28.84 2.04 0.00	32.04 2.29 0.00	33.74 2.29 0.00	37.98 2.58 0.00	40.53 2.55 0.00	42.42 2.32 0.00	44.88 2.14 -0.01	54.65 2.50 0.00	65.51 2.73 2.32	61.93 2.30 6.14	52.17 1.80 7.71	45.87 2.37 5.92	42.38 1.71 0.00	40.24 2.10 0.00	34.11 2.05 0.00
LINDHRST_69_KV_BK1 356055	32.38 1.95 -9.43	29.11 1.86 -7.63	24.06 1.67 -5.03	24.04 1.56 -5.75	24.63 1.55 -6.37	27.86 1.75 -7.15	32.24 2.00 -8.78	33.10 2.48 -6.55	33.29 2.71 -4.97	33.48 2.79 -3.89	43.62 3.00 -10.87	44.44 3.05 -9.94	45.41 3.43 -6.58	46.43 3.49 -4.94	48.46 3.45 -4.92	66.79 3.55 -20.51	78.74 4.22 -22.37	99.12 4.82 -29.20	96.04 4.54 -25.74	79.60 3.89 -17.63	63.56 3.90 -10.25	67.40 3.09 -23.63	43.88 3.74 -2.00	35.41 3.33 -0.02
LIPA_MISC_IPP 23656	32.28 1.85 -9.43	29.01 1.77 -7.63	23.97 1.58 -5.03	23.95 1.47 -5.75	24.59 1.52 -6.37	27.77 1.65 -7.15	32.13 1.89 -8.78	32.96 2.34 -6.55	33.08 2.51 -4.97	33.27 2.57 -3.89	43.36 2.74 -10.87	44.22 2.83 -9.94	45.16 3.19 -6.58	46.16 3.23 -4.94	48.13 3.17 -4.87	65.71 3.16 -19.81	77.22 3.81 -21.26	96.97 4.49 -27.38	94.03 4.14 -24.13	78.25 3.60 -16.57	62.66 3.56 -9.69	66.35 2.77 -22.92	43.80 3.66 -2.00	35.35 3.27 -0.02
LISF__SOLAR 323691	32.32 1.89 -9.43	29.05 1.80 -7.63	24.01 1.62 -5.03	23.99 1.51 -5.75	24.61 1.54 -6.37	27.81 1.69 -7.15	32.20 1.95 -8.78	32.98 2.36 -6.55	33.13 2.56 -4.97	33.32 2.63 -3.89	43.41 2.80 -10.87	44.22 2.83 -9.94	45.20 3.22 -6.58	46.16 3.23 -4.94	48.17 3.21 -4.87	65.77 3.29 -19.74	77.37 4.07 -21.15	97.44 5.14 -27.20	94.53 4.80 -23.97	78.50 3.95 -16.47	62.95 3.90 -9.63	66.53 3.01 -22.85	43.92 3.78 -2.00	35.51 3.43 -0.02



LITTLE FALLS___HYD 24013	21.26 0.25 0.00	19.89 0.27 0.00	17.59 0.23 0.00	17.01 0.22 -0.05	16.94 0.23 0.00	19.28 0.28 -0.03	21.83 0.36 0.00	24.51 0.43 0.00	26.09 0.49 0.00	27.36 0.56 0.00	30.41 0.65 0.00	32.11 0.66 0.00	36.17 0.78 0.00	38.86 0.87 0.00	40.97 0.88 0.00	43.72 0.98 0.00	53.30 1.15 0.00	66.53 1.43 0.00	67.21 1.45 0.00	59.42 1.34 0.00	50.65 1.24 0.00	41.61 0.94 0.00	38.98 0.84 0.00	32.80 0.74 0.00
LITTLRIV_115KV_TB1 356100	20.69 -0.32 0.00	19.30 -0.31 0.00	17.06 -0.30 0.01	15.57 -0.28 0.88	16.43 -0.27 0.01	18.16 -0.30 0.51	21.14 -0.32 0.01	23.49 -0.58 0.01	25.02 -0.59 0.00	26.07 -0.80 -0.07	28.95 -0.86 -0.06	31.06 -0.50 -0.12	34.92 -0.71 -0.24	37.40 -0.91 -0.32	39.15 -1.32 -0.38	42.22 -0.98 -0.46	51.80 -1.10 -0.75	65.85 -0.39 -1.15	67.20 0.26 -0.17	59.17 0.12 -0.97	49.00 -1.09 -0.68	40.10 -0.98 -0.41	37.63 -0.84 -0.33	31.53 -0.67 -0.14
LI_NEWBRDGE___DRP 323616	32.05 1.62 -9.43	28.79 1.55 -7.63	23.78 1.39 -5.03	23.77 1.29 -5.75	24.36 1.29 -6.37	27.54 1.42 -7.15	31.86 1.61 -8.78	32.69 2.07 -6.55	32.85 2.28 -4.97	33.03 2.33 -3.89	43.12 2.50 -10.87	43.90 2.52 -9.94	44.81 2.83 -6.58	45.74 2.81 -4.94	47.78 2.73 -4.96	66.54 2.69 -21.11	78.61 3.13 -23.33	99.27 3.39 -30.79	95.93 3.03 -27.14	79.24 2.61 -18.55	63.01 2.87 -10.73	67.12 2.20 -24.25	42.85 2.71 -2.00	34.58 2.50 -0.02
LOCKPORT_115KV_TB60_63_64 80432	20.12 -0.88 0.00	18.79 -0.82 0.00	16.60 -0.76 0.00	16.13 -0.60 0.00	16.14 -0.57 0.00	18.57 -0.40 0.00	21.31 -0.15 0.00	23.33 -0.75 0.00	25.35 -0.26 0.00	27.36 0.56 0.00	30.58 0.83 0.00	32.58 1.13 0.00	36.67 1.27 0.00	40.00 2.01 0.00	42.86 2.77 0.00	45.98 3.25 0.00	56.32 4.17 0.00	70.05 4.95 0.00	70.39 4.60 -0.02	62.34 4.24 -0.02	52.77 3.36 0.00	43.52 2.85 0.00	40.51 2.36 0.00	33.70 1.64 0.00
LOCKPORT___CC1 323769	20.12 -0.88 0.00	18.79 -0.82 0.00	16.58 -0.78 0.00	16.13 -0.60 0.00	16.12 -0.59 0.00	18.57 -0.40 0.00	21.29 -0.17 0.00	23.47 -0.60 0.00	25.33 -0.28 0.00	27.34 0.54 0.00	30.70 0.95 0.00	32.55 1.10 0.00	36.74 1.34 0.00	40.08 2.09 0.00	42.86 2.76 0.00	45.90 3.16 0.00	56.27 4.12 0.00	69.98 4.88 0.00	70.52 4.74 -0.02	62.69 4.59 -0.02	52.87 3.46 0.00	43.64 2.97 0.00	40.96 2.82 0.00	33.69 1.63 0.00
LOCKPORT___CC2 323770	20.12 -0.88 0.00	18.79 -0.82 0.00	16.58 -0.78 0.00	16.13 -0.60 0.00	16.12 -0.59 0.00	18.57 -0.40 0.00	21.29 -0.17 0.00	23.47 -0.60 0.00	25.33 -0.28 0.00	27.34 0.54 0.00	30.70 0.95 0.00	32.55 1.10 0.00	36.74 1.34 0.00	40.08 2.09 0.00	42.86 2.76 0.00	45.90 3.16 0.00	56.27 4.12 0.00	69.98 4.88 0.00	70.52 4.74 -0.02	62.69 4.59 -0.02	52.87 3.46 0.00	43.64 2.97 0.00	40.96 2.82 0.00	33.69 1.63 0.00
LOCKPORT___CC3 323771	20.12 -0.88 0.00	18.79 -0.82 0.00	16.58 -0.78 0.00	16.13 -0.60 0.00	16.12 -0.59 0.00	18.57 -0.40 0.00	21.29 -0.17 0.00	23.47 -0.60 0.00	25.33 -0.28 0.00	27.34 0.54 0.00	30.70 0.95 0.00	32.55 1.10 0.00	36.74 1.34 0.00	40.08 2.09 0.00	42.86 2.76 0.00	45.90 3.16 0.00	56.27 4.12 0.00	69.98 4.88 0.00	70.52 4.74 -0.02	62.69 4.59 -0.02	52.87 3.46 0.00	43.64 2.97 0.00	40.96 2.82 0.00	33.69 1.63 0.00
LONG_LAKE_PHOENIX 24014	20.73 -0.27 0.00	19.36 -0.25 0.00	17.14 -0.23 0.00	16.52 -0.22 0.00	16.51 -0.20 0.00	18.78 -0.19 0.00	21.27 -0.19 0.00	23.81 -0.26 0.00	25.38 -0.28 -0.05	27.40 -0.16 -0.76	30.34 -0.12 -0.71	32.62 -0.13 -1.29	37.93 -0.11 -2.65	41.51 -0.04 -3.56	44.39 0.04 -4.26	47.95 0.09 -5.13	60.69 0.21 -8.33	78.19 0.26 -12.83	79.13 0.26 -13.11	69.36 0.41 -10.87	57.27 0.30 -7.56	45.48 0.24 -4.56	41.98 0.11 -3.73	33.67 0.00 -1.61
LOVETT___3 23632	22.18 1.18 0.00	20.73 1.12 0.00	18.37 1.01 0.00	17.67 0.94 0.00	17.64 0.94 0.00	19.97 1.01 0.00	22.60 1.14 0.00	25.61 1.54 0.00	27.30 1.69 0.00	28.54 1.74 0.00	31.74 1.99 0.00	33.43 1.98 0.00	37.59 2.19 0.00	40.12 2.13 0.00	42.06 1.96 0.00	44.62 1.88 -0.01	54.34 2.19 0.00	69.04 2.15 -1.79	69.26 1.78 -1.72	59.81 1.45 -0.28	51.24 1.83 0.00	42.05 1.38 0.00	39.86 1.72 0.00	33.76 1.70 0.00
LOVETT___4 23642	22.18 1.18 0.00	20.73 1.12 0.00	18.37 1.01 0.00	17.67 0.94 0.00	17.64 0.94 0.00	19.97 1.01 0.00	22.60 1.14 0.00	25.61 1.54 0.00	27.30 1.69 0.00	28.54 1.74 0.00	31.74 1.99 0.00	33.43 1.98 0.00	37.59 2.19 0.00	40.12 2.13 0.00	42.06 1.96 0.00	44.62 1.88 -0.01	54.34 2.19 0.00	69.04 2.15 -1.79	69.26 1.78 -1.72	59.81 1.45 -0.28	51.24 1.83 0.00	42.05 1.38 0.00	39.86 1.72 0.00	33.76 1.70 0.00
LOVETT___5 23593	22.18 1.18 0.00	20.73 1.12 0.00	18.37 1.01 0.00	17.67 0.94 0.00	17.64 0.94 0.00	19.97 1.01 0.00	22.60 1.14 0.00	25.61 1.54 0.00	27.30 1.69 0.00	28.54 1.74 0.00	31.74 1.99 0.00	33.43 1.98 0.00	37.59 2.19 0.00	40.12 2.13 0.00	42.06 1.96 0.00	44.62 1.88 -0.01	54.34 2.19 0.00	69.04 2.15 -1.79	69.26 1.78 -1.72	59.81 1.45 -0.28	51.24 1.83 0.00	42.05 1.38 0.00	39.86 1.72 0.00	33.76 1.70 0.00
LOWER RAQUET___HYD 24057	20.50 -0.50 0.00	19.12 -0.49 0.00	16.92 -0.43 0.01	15.44 -0.44 0.86	16.28 -0.42 0.01	18.00 -0.47 0.50	20.92 -0.54 0.01	23.25 -0.82 0.01	24.74 -0.87 0.00	25.80 -1.07 -0.07	28.66 -1.16 -0.07	30.76 -0.82 -0.12	34.51 -1.13 -0.25	36.89 -1.44 -0.34	38.62 -1.88 -0.41	41.60 -1.62 -0.49	50.76 -2.19 -0.80	64.17 -2.15 -1.22	65.37 -1.64 -1.25	57.60 -1.51 -1.03	47.66 -2.47 -0.72	39.24 -1.87 -0.43	36.93 -1.57 -0.35	31.03 -1.19 -0.15
LOWER___HUDSON 24059	21.99 0.99 0.00	20.55 0.94 0.00	18.20 0.83 0.00	17.52 0.79 0.00	17.49 0.79 0.00	19.84 0.87 0.00	22.47 1.01 0.00	25.16 1.08 0.00	26.79 1.18 0.00	27.85 1.04 0.00	30.76 1.01 0.00	32.36 0.91 0.00	36.38 0.99 0.00	38.94 0.95 0.00	41.13 1.04 0.00	43.67 0.94 0.01	53.35 1.20 0.00	63.93 1.30 2.47	64.49 1.12 2.39	58.67 0.99 0.40	50.75 1.33 0.00	41.93 1.26 0.00	39.32 1.18 0.00	33.21 1.15 0.00
LOWVILLE_115KV_TB2 356335	21.03 0.02 0.00	19.61 0.00 0.00	17.35 -0.02 0.00	16.52 0.00 0.21	16.75 0.05 0.00	19.00 0.15 0.12	21.76 0.30 0.00	24.55 0.48 0.00	26.16 0.54 -0.01	27.50 0.54 -0.16	30.56 0.65 -0.15	32.51 0.79 -0.28	36.81 0.85 -0.57	39.74 0.99 -0.76	41.97 0.96 -0.91	45.03 1.20 -1.10	55.55 1.62 -1.78	70.44 2.60 -2.74	71.72 3.16 -2.80	63.54 3.14 -2.32	53.60 2.57 -1.61	43.48 1.83 -0.97	40.42 1.49 -0.80	33.56 1.15 -0.34
LUTHERFT_115KV_GLOB_FND_222 355753	22.26 1.26 0.00	20.79 1.18 0.00	18.39 1.02 0.00	17.71 0.97 0.00	17.68 0.97 0.00	20.05 1.08 0.00	22.73 1.27 0.00	25.45 1.37 0.00	27.14 1.54 0.00	28.25 1.45 0.00	31.33 1.58 0.00	32.74 1.29 0.00	36.84 1.45 0.00	39.51 1.52 0.00	41.78 1.68 0.00	44.57 1.84 0.01	54.34 2.19 0.00	65.70 2.54 1.94	66.39 2.50 1.88	60.09 2.32 0.31	51.74 2.32 0.00	42.79 2.11 0.00	40.16 2.02 0.00	33.79 1.73 0.00



LUTHERNY_35_KV_BK2 355980	22.26 1.26 0.00	20.79 1.18 0.00	18.39 1.02 0.00	17.71 0.97 0.00	17.69 0.99 0.00	20.05 1.08 0.00	22.75 1.29 0.00	25.47 1.40 0.00	27.14 1.54 0.00	28.28 1.47 0.00	31.36 1.61 0.00	32.74 1.29 0.00	36.84 1.45 0.00	39.55 1.56 0.00	41.82 1.72 0.00	44.61 1.88 0.01	54.34 2.19 0.00	65.76 2.60 1.94	66.46 2.56 1.88	60.15 2.38 0.31	51.79 2.37 0.00	42.79 2.11 0.00	40.20 2.06 0.00	33.79 1.73 0.00
LWR___OSWEGATCHIE_HYD 23850	20.73 -0.27 0.00	19.34 -0.27 0.00	17.10 -0.26 0.00	15.91 -0.25 0.57	16.48 -0.22 0.00	18.45 -0.19 0.33	21.31 -0.15 0.00	23.85 -0.22 0.00	25.41 -0.20 -0.01	26.62 -0.32 -0.14	29.55 -0.33 -0.13	31.56 -0.13 -0.24	35.64 -0.25 -0.49	38.31 -0.34 -0.66	40.32 -0.56 -0.79	43.35 -0.34 -0.95	53.43 -0.26 -1.54	67.80 0.33 -2.37	69.17 0.99 -2.42	61.08 0.99 -2.01	51.06 0.25 -1.40	41.56 0.04 -0.84	38.87 0.04 -0.69	32.39 0.03 -0.30
LYONS_FALL_HYD 23570	21.21 0.21 0.00	19.79 0.18 0.00	17.50 0.14 0.00	16.75 0.13 0.12	16.89 0.18 0.00	19.16 0.27 0.07	21.89 0.43 0.00	24.65 0.58 0.00	26.28 0.66 -0.01	27.59 0.67 -0.12	30.66 0.80 -0.11	32.56 0.91 -0.20	36.80 0.99 -0.41	39.72 1.18 -0.56	41.96 1.20 -0.67	44.99 1.45 -0.80	55.32 1.87 -1.30	69.89 2.80 -2.00	71.03 3.22 -2.04	62.91 3.13 -1.69	53.21 2.62 -1.18	43.29 1.91 -0.71	40.32 1.60 -0.58	33.53 1.22 -0.25
MADISON___COUNTY_LFGE 323628	21.51 0.50 0.00	20.10 0.49 0.00	17.76 0.40 0.00	17.12 0.38 0.00	17.12 0.42 0.00	19.48 0.51 0.00	22.13 0.67 0.00	24.82 0.75 0.00	26.49 0.87 -0.01	27.89 0.96 -0.13	31.00 1.13 -0.12	32.86 1.20 -0.21	37.24 1.42 -0.43	40.21 1.63 -0.58	42.60 1.80 -0.70	45.63 2.05 -0.84	56.23 2.71 -1.37	70.78 3.58 -2.10	71.79 3.88 -2.15	63.46 3.60 -1.78	53.76 3.11 -1.24	43.78 2.36 -0.75	40.73 1.98 -0.61	33.86 1.54 -0.26
MALONE___115KV_TB1 356076	20.65 -0.36 0.00	19.18 -0.43 0.00	16.92 -0.43 0.01	15.26 -0.47 1.01	16.25 -0.45 0.01	17.84 -0.55 0.58	20.88 -0.58 0.01	23.46 -0.60 0.01	24.97 -0.64 0.00	25.97 -0.83 0.00	28.98 -0.77 0.00	30.92 -0.53 0.00	34.72 -0.67 0.00	37.19 -0.80 0.00	39.13 -0.96 0.00	41.88 -0.85 0.00	51.31 -0.83 0.00	64.77 -0.33 0.00	66.09 0.33 0.00	58.20 0.12 0.00	48.57 -0.84 0.00	39.74 -0.94 0.00	37.11 -1.03 0.00	31.13 -0.93 0.00
MAPLEWOD_115KV_TB3 80458	21.89 0.88 0.00	20.45 0.84 0.00	18.13 0.76 0.00	17.44 0.70 0.00	17.41 0.70 0.00	19.73 0.76 0.00	22.32 0.86 0.00	25.04 0.96 0.00	26.66 1.05 0.00	27.69 0.88 0.00	30.64 0.89 0.00	32.20 0.75 0.00	36.28 0.88 0.00	38.86 0.87 0.00	41.01 0.92 0.00	43.63 0.90 0.01	53.19 1.04 0.00	64.25 1.04 1.89	64.85 0.92 1.83	58.76 0.99 0.31	50.55 1.14 0.00	41.81 1.14 0.00	39.25 1.11 0.00	33.09 1.03 0.00
MAPLE_RIDGE_WT_1 323574	19.93 -1.07 0.00	18.57 -1.04 0.00	16.40 -0.95 0.01	14.11 -0.94 1.68	15.76 -0.94 0.01	16.94 -1.06 0.97	20.25 -1.20 0.01	22.83 -1.23 0.01	24.48 -1.13 0.00	25.70 -1.10 0.00	28.62 -1.13 0.00	30.44 -1.01 0.00	34.30 -1.10 0.00	36.81 -1.18 0.00	38.81 -1.28 0.00	41.50 -1.24 0.00	50.59 -1.56 0.00	63.47 -1.62 0.00	64.38 -1.38 0.00	56.75 -1.33 0.00	47.78 -1.63 0.00	39.21 -1.46 0.00	36.61 -1.53 0.00	30.74 -1.32 0.00
MAPLE_RIDGE_WT_2 323611	19.93 -1.07 0.00	18.57 -1.04 0.00	16.40 -0.95 0.01	14.11 -0.94 1.68	15.76 -0.94 0.01	16.94 -1.06 0.97	20.25 -1.20 0.01	22.83 -1.23 0.01	24.48 -1.13 0.00	25.70 -1.10 0.00	28.62 -1.13 0.00	30.44 -1.01 0.00	34.30 -1.10 0.00	36.81 -1.18 0.00	38.81 -1.28 0.00	41.50 -1.24 0.00	50.59 -1.56 0.00	63.47 -1.62 0.00	64.38 -1.38 0.00	56.75 -1.33 0.00	47.78 -1.63 0.00	39.21 -1.46 0.00	36.61 -1.53 0.00	30.74 -1.32 0.00
MARBLE_RIVER_WT_PWR 323696	20.63 -0.38 0.00	19.12 -0.49 0.00	16.85 -0.50 0.01	15.09 -0.57 1.08	16.16 -0.54 0.01	17.67 -0.68 0.62	20.73 -0.73 0.01	23.34 -0.72 0.01	24.79 -0.82 0.00	25.86 -0.94 0.00	28.89 -0.86 0.00	30.82 -0.63 0.00	34.65 -0.74 0.00	37.15 -0.84 0.00	39.13 -0.96 0.00	41.76 -0.98 0.00	49.12 -3.03 0.00	61.00 -4.10 0.00	62.21 -3.55 0.00	54.94 -3.14 0.00	45.86 -3.56 0.00	38.40 -2.28 0.00	35.78 -2.36 0.00	30.01 -2.05 0.00
MARSHVLE_115KV_TB1 80742	22.47 1.47 0.00	20.98 1.37 0.00	18.51 1.15 0.00	17.84 1.10 0.00	17.84 1.14 0.00	20.28 1.31 0.00	23.05 1.59 0.00	25.59 1.52 0.00	27.30 1.69 0.00	28.60 1.80 0.00	31.48 1.73 0.00	33.31 1.86 0.00	37.69 2.30 0.00	40.53 2.55 0.00	42.58 2.49 0.00	46.45 3.72 0.00	56.01 3.86 0.00	69.53 5.40 0.97	71.90 7.10 0.97	64.92 7.03 0.19	55.44 6.03 0.00	45.43 4.76 0.00	42.30 4.16 0.00	35.27 3.21 0.00
MARSH_HILL_WT_PWR 323713	20.46 -0.55 0.00	19.08 -0.53 0.00	16.86 -0.50 0.00	16.35 -0.38 0.00	16.41 -0.30 0.00	18.82 -0.15 0.00	21.63 0.17 0.00	24.19 0.12 0.00	26.10 0.49 -0.01	28.07 1.18 -0.09	31.53 1.69 -0.08	33.42 1.82 -0.15	37.97 2.27 -0.31	41.33 2.93 -0.42	44.04 3.45 -0.50	47.23 3.89 -0.60	58.39 5.26 -0.97	73.15 6.57 -1.48	74.02 6.71 -1.54	65.23 5.86 -1.28	55.18 4.89 -0.87	45.06 3.87 -0.53	42.08 3.51 -0.43	34.55 2.31 -0.19
MCINTYRE_115KV_TB2 80467	20.77 -0.23 0.00	19.40 -0.22 0.00	17.15 -0.21 0.01	15.62 -0.20 0.91	16.52 -0.18 0.01	18.23 -0.21 0.53	21.22 -0.24 0.01	23.58 -0.48 0.01	25.07 -0.54 0.00	26.05 -0.75 0.00	28.92 -0.83 0.00	30.98 -0.47 0.00	34.72 -0.67 0.00	37.19 -0.80 0.00	38.97 -1.12 0.00	41.97 -0.77 0.00	51.37 -0.78 0.00	65.16 0.07 0.00	66.55 0.79 0.00	58.72 0.64 0.00	48.82 -0.59 0.00	40.02 -0.65 0.00	37.49 -0.65 0.00	31.55 -0.51 0.00
MECO_____69_KV_BK1 80468	23.10 2.10 0.00	21.55 1.94 0.00	19.01 1.65 0.00	18.31 1.57 0.00	18.31 1.60 0.00	20.79 1.82 0.00	23.72 2.25 0.00	26.41 2.34 0.00	28.22 2.61 0.00	29.46 2.65 0.00	32.49 2.74 0.00	34.28 2.83 0.00	38.79 3.40 0.00	41.71 3.72 0.00	44.14 4.05 0.00	48.03 5.30 0.00	58.72 6.57 0.00	72.87 8.92 1.15	74.70 10.06 1.13	67.52 9.64 0.21	57.52 8.10 0.00	47.26 6.59 0.00	43.94 5.80 0.00	36.55 4.49 0.00
MENANDS___115KV_TB5 355628	21.80 0.80 0.00	20.38 0.76 0.00	18.06 0.69 0.00	17.39 0.65 0.00	17.34 0.63 0.00	19.63 0.66 0.00	22.24 0.77 0.00	24.92 0.84 0.00	26.53 0.92 0.00	27.55 0.75 0.00	30.49 0.74 0.00	32.05 0.60 0.00	36.07 0.67 0.00	38.63 0.65 0.00	40.77 0.68 0.00	43.33 0.60 0.01	52.83 0.68 0.00	63.73 0.52 1.89	64.33 0.39 1.83	58.18 0.41 0.31	50.11 0.69 0.00	41.44 0.77 0.00	38.94 0.80 0.00	32.83 0.77 0.00
MG INDUSTRY___DRP 24185	21.74 0.74 0.00	20.32 0.71 0.00	18.01 0.64 0.00	17.34 0.60 0.00	17.29 0.58 0.00	19.59 0.63 0.00	22.17 0.71 0.00	24.82 0.75 0.00	26.38 0.77 0.00	27.39 0.59 0.00	30.26 0.51 0.00	31.83 0.38 0.00	35.82 0.42 0.00	38.37 0.38 0.00	40.53 0.44 0.00	43.16 0.43 0.00	52.72 0.57 0.00	64.63 0.59 1.06	65.33 0.59 1.02	58.60 0.70 0.17	50.35 0.94 0.00	41.61 0.94 0.00	39.06 0.92 0.00	32.93 0.87 0.00



MID___OSWEGATCHIE_HYD 23849	20.73 -0.27 0.00	19.34 -0.27 0.00	17.10 -0.26 0.00	15.91 -0.25 0.57	16.48 -0.22 0.00	18.45 -0.19 0.33	21.31 -0.15 0.00	23.85 -0.22 0.00	25.41 -0.20 -0.01	26.62 -0.32 -0.14	29.55 -0.33 -0.13	31.56 -0.13 -0.24	35.64 -0.25 -0.49	38.31 -0.34 -0.66	40.32 -0.56 -0.79	43.35 -0.34 -0.95	53.43 -0.26 -1.54	67.80 0.33 -2.37	69.17 0.99 -2.42	61.08 0.99 -2.01	51.06 0.25 -1.40	41.56 0.04 -0.84	38.87 0.04 -0.69	32.39 0.03 -0.30
MID___RAQUETTE_HYD 23851	20.50 -0.50 0.00	19.12 -0.49 0.00	16.92 -0.43 0.01	15.44 -0.44 0.86	16.28 -0.42 0.01	18.00 -0.47 0.50	20.92 -0.54 0.01	23.25 -0.82 0.01	24.74 -0.87 0.00	25.80 -1.07 -0.07	28.66 -1.16 -0.07	30.72 -0.85 -0.12	34.51 -1.13 -0.25	36.89 -1.44 -0.34	38.62 -1.88 -0.41	41.60 -1.62 -0.49	51.12 -1.83 -0.80	64.89 -1.43 -1.22	66.16 -0.85 -1.25	58.19 -0.93 -1.03	48.16 -1.98 -0.72	39.48 -1.63 -0.43	37.20 -1.30 -0.35	31.22 -0.99 -0.15
MILLIKEN___1 23584	21.30 0.29 0.00	19.87 0.25 0.00	17.59 0.23 0.00	16.95 0.22 0.00	16.96 0.25 0.00	19.33 0.36 0.00	21.96 0.49 0.00	24.55 0.48 0.00	26.19 0.56 -0.02	27.82 0.75 -0.27	30.92 0.92 -0.25	32.88 0.97 -0.46	37.46 1.13 -0.93	40.61 1.37 -1.25	43.28 1.68 -1.50	46.42 1.88 -1.81	57.63 2.56 -2.93	73.17 3.71 -4.36	74.13 3.88 -4.48	65.52 3.72 -3.72	55.05 3.06 -2.57	44.66 2.44 -1.55	41.39 1.98 -1.27	34.08 1.47 -0.55
MILLIKEN___2 23585	21.30 0.29 0.00	19.87 0.25 0.00	17.59 0.23 0.00	16.95 0.22 0.00	16.96 0.25 0.00	19.33 0.36 0.00	21.96 0.49 0.00	24.55 0.48 0.00	26.19 0.56 -0.02	27.82 0.75 -0.27	30.92 0.92 -0.25	32.88 0.97 -0.46	37.46 1.13 -0.93	40.61 1.37 -1.25	43.28 1.68 -1.50	46.42 1.88 -1.81	57.63 2.56 -2.93	73.17 3.71 -4.36	74.13 3.88 -4.48	65.52 3.72 -3.72	55.05 3.06 -2.57	44.66 2.44 -1.55	41.39 1.98 -1.27	34.08 1.47 -0.55
MILLIKEN___DIESEL 23629	21.30 0.29 0.00	19.87 0.25 0.00	17.59 0.23 0.00	16.95 0.22 0.00	16.96 0.25 0.00	19.33 0.36 0.00	21.96 0.49 0.00	24.55 0.48 0.00	26.19 0.56 -0.02	27.82 0.75 -0.27	30.92 0.92 -0.25	32.88 0.97 -0.46	37.46 1.13 -0.93	40.61 1.37 -1.25	43.28 1.68 -1.50	46.42 1.88 -1.81	57.63 2.56 -2.93	73.17 3.71 -4.36	74.13 3.88 -4.48	65.52 3.72 -3.72	55.05 3.06 -2.57	44.66 2.44 -1.55	41.39 1.98 -1.27	34.08 1.47 -0.55
MILLSEAT___LFGE 323607	20.48 -0.52 0.00	19.10 -0.51 0.00	16.86 -0.50 0.00	16.37 -0.37 0.00	16.37 -0.33 0.00	18.84 -0.13 0.00	21.62 0.15 0.00	23.95 -0.12 0.00	25.84 0.23 0.00	27.82 1.02 0.00	31.24 1.49 0.00	33.12 1.67 0.00	37.37 1.98 0.00	40.76 2.77 0.00	43.54 3.45 0.00	46.75 4.02 0.00	57.36 5.21 0.00	71.48 6.38 0.00	72.04 6.25 -0.02	64.14 6.04 -0.02	54.06 4.64 0.00	44.58 3.90 0.00	41.69 3.55 0.00	34.24 2.18 0.00
MILLWOOD_138_KV_38W41_REV_LBMP_H 345005	22.24 1.24 0.00	20.81 1.20 0.00	18.42 1.06 0.00	17.72 0.99 0.00	17.69 0.99 0.00	20.03 1.06 0.00	22.67 1.20 0.00	25.69 1.61 0.00	27.38 1.77 0.00	28.62 1.82 0.00	31.80 2.05 0.00	33.49 2.04 0.00	37.69 2.30 0.00	40.31 2.32 0.00	42.30 2.21 0.00	44.88 2.14 -0.01	54.60 2.45 0.00	69.57 2.54 -1.93	69.79 2.17 -1.86	60.24 1.86 -0.30	51.64 2.22 0.00	42.30 1.63 0.00	40.09 1.95 0.00	33.89 1.83 0.00
MILLWOOD_13_KV_LOAD 356217	22.31 1.30 0.00	20.85 1.24 0.00	18.48 1.11 0.00	17.76 1.02 0.00	17.73 1.02 0.00	20.07 1.10 0.00	22.73 1.27 0.00	25.73 1.66 0.00	27.45 1.84 0.00	28.70 1.90 0.00	31.92 2.17 0.00	33.65 2.20 0.00	37.87 2.48 0.00	40.49 2.51 0.00	42.54 2.45 0.00	45.09 2.35 -0.01	54.91 2.76 0.00	69.90 2.86 -1.93	70.19 2.56 -1.86	60.59 2.21 -0.30	51.93 2.52 0.00	42.50 1.83 0.00	40.24 2.10 0.00	34.02 1.96 0.00
MODEL_CITY_ENERGY 24167	19.93 -1.07 0.00	18.63 -0.98 0.00	16.44 -0.92 0.00	15.98 -0.75 0.00	15.99 -0.72 0.00	18.40 -0.57 0.00	21.10 -0.37 0.00	23.25 -0.82 0.00	25.07 -0.54 0.00	27.04 0.24 0.00	30.38 0.63 0.00	32.17 0.72 0.00	36.35 0.96 0.00	39.62 1.63 0.00	42.38 2.28 0.00	45.39 2.65 0.00	55.59 3.44 0.00	69.14 4.04 0.00	69.67 3.88 -0.02	61.99 3.89 -0.02	52.23 2.82 0.00	43.15 2.48 0.00	40.51 2.37 0.00	33.34 1.28 0.00
MODERN_LFGE___ 323580	19.93 -1.07 0.00	18.63 -0.98 0.00	16.44 -0.92 0.00	15.98 -0.75 0.00	15.99 -0.72 0.00	18.40 -0.57 0.00	21.10 -0.37 0.00	23.25 -0.82 0.00	25.07 -0.54 0.00	27.04 0.24 0.00	30.38 0.63 0.00	32.17 0.72 0.00	36.35 0.96 0.00	39.62 1.63 0.00	42.38 2.28 0.00	45.39 2.65 0.00	55.59 3.44 0.00	69.14 4.04 0.00	69.67 3.88 -0.02	61.99 3.89 -0.02	52.23 2.82 0.00	43.15 2.48 0.00	40.51 2.37 0.00	33.34 1.28 0.00
MOHAWK_PAPER___DRP 24187	21.89 0.88 0.00	20.45 0.84 0.00	18.13 0.76 0.00	17.44 0.70 0.00	17.41 0.70 0.00	19.73 0.76 0.00	22.32 0.86 0.00	25.04 0.96 0.00	26.66 1.05 0.00	27.69 0.88 0.00	30.64 0.89 0.00	32.20 0.75 0.00	36.28 0.88 0.00	38.86 0.87 0.00	41.01 0.92 0.00	43.63 0.90 0.01	53.19 1.04 0.00	64.25 1.04 1.89	64.85 0.92 1.83	58.76 0.99 0.31	50.55 1.14 0.00	41.81 1.14 0.00	39.25 1.11 0.00	33.09 1.03 0.00
MOHICAN___35_KV_115KV_LD 80490	22.56 1.55 0.00	21.04 1.43 0.00	18.60 1.23 0.00	17.91 1.17 0.00	17.89 1.19 0.00	20.28 1.31 0.00	23.05 1.59 0.00	25.78 1.71 0.00	27.55 1.95 0.00	28.68 1.88 0.00	31.80 2.05 0.00	32.80 1.35 0.00	36.92 1.52 0.00	39.62 1.63 0.00	41.98 1.88 0.00	44.91 2.18 0.01	54.55 2.40 0.00	66.12 2.93 1.90	66.82 2.89 1.84	60.39 2.61 0.31	52.13 2.72 0.00	43.07 2.40 0.00	40.54 2.40 0.00	34.02 1.96 0.00
MONGAUP___HYD 23641	22.14 1.13 0.00	20.65 1.04 0.00	18.28 0.92 0.00	17.59 0.85 0.00	17.56 0.85 0.00	19.88 0.91 0.00	22.52 1.05 0.00	25.40 1.32 0.00	27.12 1.51 0.00	28.30 1.50 0.00	31.42 1.67 0.00	33.05 1.60 0.00	37.23 1.84 0.00	39.81 1.82 0.00	41.98 1.88 0.00	44.71 1.97 -0.01	54.65 2.50 0.00	69.72 3.06 -1.56	70.22 2.96 -1.50	60.88 2.55 -0.24	52.18 2.77 0.00	42.70 2.03 0.00	40.16 2.02 0.00	33.92 1.86 0.00
MONTAUK___DIESEL 23721	33.06 2.63 -9.43	29.73 2.49 -7.63	24.60 2.21 -5.03	24.59 2.11 -5.75	25.19 2.12 -6.37	28.47 2.35 -7.15	32.97 2.73 -8.78	33.92 3.30 -6.55	34.21 3.64 -4.97	34.50 3.81 -3.89	44.81 4.19 -10.87	45.79 4.40 -9.94	47.04 5.06 -6.58	48.25 5.32 -4.94	50.46 5.49 -4.87	68.50 5.98 -19.78	80.72 7.35 -21.22	101.46 9.05 -27.31	98.58 8.75 -24.07	82.17 7.55 -16.53	65.70 6.62 -9.67	68.77 5.21 -22.89	45.83 5.68 -2.00	36.95 4.87 -0.02
MOONROAD_115KV_HARTFLD_TB1-2 355988	20.08 -0.92 0.00	18.71 -0.90 0.00	16.60 -0.76 0.00	16.25 -0.49 0.00	16.31 -0.40 0.00	18.78 -0.19 0.00	21.70 0.24 0.00	23.98 -0.10 0.00	26.20 0.59 0.00	28.38 1.58 0.00	31.89 2.14 0.00	34.06 2.61 0.00	38.37 2.97 0.00	41.90 3.91 0.00	44.94 4.85 0.00	48.29 5.56 0.00	59.29 7.14 0.00	73.69 8.59 0.00	73.88 8.09 -0.03	65.37 7.26 -0.03	55.34 5.93 0.00	45.39 4.72 0.00	41.99 3.85 0.00	34.85 2.79 0.00



MORTIMER_115KV_TB3 55949	20.61 -0.40 0.00	19.20 -0.41 0.00	16.96 -0.40 0.00	16.40 -0.33 0.00	16.41 -0.30 0.00	18.78 -0.19 0.00	21.42 -0.04 0.00	23.83 -0.24 0.00	25.66 0.05 0.00	27.39 0.59 0.00	30.58 0.83 0.00	32.52 1.07 0.00	36.60 1.20 0.00	39.62 1.63 0.00	42.26 2.16 0.00	45.34 2.61 0.00	55.59 3.44 0.00	69.33 4.23 0.00	69.79 4.01 -0.02	61.76 3.66 -0.02	52.23 2.82 0.00	43.03 2.36 0.00	39.93 1.79 0.00	33.21 1.15 0.00
MOTTHAVN_138_KV_9M4_REV_LBMP_J 345006	22.37 1.37 0.00	20.93 1.31 0.00	18.54 1.18 0.00	17.82 1.09 0.00	17.78 1.07 0.00	20.16 1.19 0.00	22.79 1.33 0.00	25.90 1.83 0.00	27.61 2.00 0.00	28.87 2.06 0.00	32.04 2.29 0.00	33.78 2.33 0.00	38.05 2.65 0.00	40.65 2.66 0.00	42.62 2.53 0.00	45.14 2.39 -0.01	54.91 2.76 0.00	69.92 2.86 -1.95	70.08 2.43 -1.88	60.48 2.09 -0.31	51.93 2.52 0.00	42.54 1.87 0.00	40.43 2.29 0.00	34.18 2.12 0.00
MUNSVILLE_WIND_PWR 323609	22.12 1.11 0.00	20.69 1.08 0.00	18.16 0.80 0.00	17.51 0.77 0.00	17.51 0.80 0.00	19.99 1.02 0.00	22.88 1.42 0.00	26.43 2.36 0.00	28.46 2.84 -0.01	30.10 3.19 -0.11	33.78 3.93 -0.10	36.01 4.37 -0.19	40.95 5.17 -0.38	44.62 6.12 -0.52	47.29 6.58 -0.62	50.84 7.35 -0.75	63.16 9.80 -1.21	77.04 9.18 -2.76	78.69 9.99 -2.94	69.71 9.17 -2.46	58.94 7.90 -1.63	47.59 5.94 -0.98	43.98 5.03 -0.80	36.22 3.81 -0.35
N SALMON___HYD 24042	20.65 -0.36 0.00	19.18 -0.43 0.00	16.92 -0.43 0.01	15.26 -0.47 1.01	16.25 -0.45 0.01	17.84 -0.55 0.58	20.88 -0.58 0.01	23.46 -0.60 0.01	24.97 -0.64 0.00	25.97 -0.83 0.00	28.98 -0.77 0.00	30.95 -0.50 0.00	34.72 -0.67 0.00	37.15 -0.84 0.00	39.13 -0.96 0.00	41.88 -0.85 0.00	50.06 -2.09 0.00	62.56 -2.54 0.00	63.86 -1.91 0.00	56.28 -1.80 0.00	46.90 -2.52 0.00	38.97 -1.71 0.00	36.35 -1.79 0.00	30.52 -1.54 0.00
N.AKRON__115KV_KNAPP 355671	20.48 -0.53 0.00	19.10 -0.51 0.00	16.86 -0.50 0.00	16.37 -0.37 0.00	16.37 -0.33 0.00	18.85 -0.11 0.00	21.61 0.15 0.00	23.81 -0.26 0.00	25.86 0.26 0.00	27.85 1.05 0.00	31.09 1.34 0.00	33.15 1.70 0.00	37.30 1.91 0.00	40.65 2.66 0.00	43.54 3.45 0.00	46.75 4.02 0.00	57.36 5.21 0.00	71.48 6.38 0.00	71.84 6.05 -0.02	63.62 5.52 -0.02	53.86 4.45 0.00	44.37 3.70 0.00	41.19 3.05 0.00	34.18 2.12 0.00
N.BELMOR_69_KV_BK1 55787	32.22 1.79 -9.43	28.93 1.69 -7.63	23.90 1.51 -5.03	23.89 1.41 -5.75	24.48 1.40 -6.37	27.69 1.57 -7.15	32.03 1.78 -8.78	32.89 2.26 -6.55	33.03 2.46 -4.97	33.24 2.55 -3.89	43.30 2.68 -10.87	44.09 2.70 -9.94	45.06 3.08 -6.58	46.05 3.12 -4.94	48.14 3.09 -4.96	66.88 3.03 -21.11	79.08 3.60 -23.33	99.86 3.97 -30.79	96.52 3.62 -27.14	79.76 3.14 -18.55	63.46 3.31 -10.73	67.57 2.64 -24.25	43.31 3.17 -2.00	34.93 2.85 -0.02
N.E_GEN_SANDY PD 24062	22.08 1.07 0.00	20.65 1.04 0.00	19.58 0.95 -1.26	19.69 0.89 -2.07	20.00 0.88 -2.41	22.00 0.97 -2.07	24.10 1.09 -1.54	25.30 1.23 0.00	26.91 1.31 0.00	27.95 1.15 0.00	31.00 1.25 0.00	32.55 1.10 0.00	36.56 1.17 0.00	39.05 1.06 0.00	41.13 1.04 0.00	43.50 0.81 0.05	53.14 0.99 0.00	51.85 0.98 14.23	52.70 0.66 13.72	56.33 0.52 2.27	50.50 1.09 0.00	43.28 1.02 -1.59	37.54 0.99 1.59	33.21 1.15 0.00
N.HEMPST_138_KV_BK345_REV_LBMP_G 345014	22.22 1.22 0.00	20.77 1.16 0.00	18.41 1.04 0.00	17.71 0.97 0.00	17.68 0.97 0.00	19.99 1.02 0.00	22.64 1.18 0.00	25.66 1.59 0.00	27.35 1.74 0.00	28.60 1.80 0.00	31.80 2.05 0.00	33.53 2.08 0.00	37.69 2.30 0.00	40.23 2.24 0.00	42.22 2.12 0.00	44.79 2.05 -0.01	54.55 2.40 0.00	69.36 2.47 -1.78	69.52 2.04 -1.71	60.10 1.74 -0.28	51.44 2.03 0.00	42.18 1.50 0.00	39.97 1.83 0.00	33.86 1.80 0.00
N.QUEENS_27_KV_LOAD 356247	22.63 1.62 -0.01	21.19 1.57 -0.01	18.72 1.35 0.00	17.94 1.20 0.00	17.91 1.20 0.00	20.24 1.27 0.00	22.84 1.37 0.00	25.90 1.83 0.00	27.63 2.02 0.00	28.92 2.12 0.00	32.07 2.32 0.00	33.81 2.36 0.00	38.12 2.73 0.00	40.72 2.74 0.00	42.58 2.49 0.00	45.01 2.27 -0.01	54.64 2.50 0.01	69.65 2.60 -1.95	69.87 2.24 -1.87	60.30 1.92 -0.30	51.74 2.32 0.00	42.30 1.63 0.00	40.62 2.48 0.00	34.43 2.37 0.00
N.TROY___115KV_TB1 355778	21.99 0.99 0.00	20.55 0.94 0.00	18.20 0.83 0.00	17.52 0.79 0.00	17.49 0.79 0.00	19.84 0.87 0.00	22.47 1.01 0.00	25.18 1.11 0.00	26.79 1.18 0.00	27.85 1.05 0.00	30.85 1.10 0.00	32.36 0.91 0.00	36.38 0.99 0.00	38.94 0.95 0.00	41.13 1.04 0.00	43.67 0.94 0.01	53.24 1.10 0.00	63.73 1.11 2.47	64.30 0.92 2.39	58.61 0.93 0.40	50.60 1.19 0.00	41.89 1.22 0.00	39.29 1.14 0.00	33.18 1.12 0.00
NARROWS_GT1_1 24228	22.43 1.43 0.00	20.98 1.37 0.00	18.56 1.20 0.00	17.79 1.05 0.00	17.76 1.05 0.00	20.11 1.14 0.00	22.71 1.24 0.00	25.85 1.78 0.00	27.66 2.05 0.00	28.95 2.14 0.00	32.13 2.38 0.00	33.87 2.42 0.00	38.19 2.80 0.00	40.80 2.81 0.00	42.78 2.69 0.00	45.26 2.52 -0.01	54.91 2.76 0.00	70.24 3.19 -1.95	70.41 2.76 -1.88	60.54 2.15 -0.31	52.23 2.82 0.00	42.62 1.95 0.00	40.58 2.44 0.00	34.40 2.34 0.00
NARROWS_GT1_2 24229	22.43 1.43 0.00	20.98 1.37 0.00	18.56 1.20 0.00	17.79 1.05 0.00	17.76 1.05 0.00	20.11 1.14 0.00	22.71 1.24 0.00	25.85 1.78 0.00	27.66 2.05 0.00	28.95 2.14 0.00	32.13 2.38 0.00	33.87 2.42 0.00	38.19 2.80 0.00	40.80 2.81 0.00	42.78 2.69 0.00	45.26 2.52 -0.01	54.91 2.76 0.00	70.24 3.19 -1.95	70.41 2.76 -1.88	60.54 2.15 -0.31	52.23 2.82 0.00	42.62 1.95 0.00	40.58 2.44 0.00	34.40 2.34 0.00
NARROWS_GT1_3 24230	22.43 1.43 0.00	20.98 1.37 0.00	18.56 1.20 0.00	17.79 1.05 0.00	17.76 1.05 0.00	20.11 1.14 0.00	22.71 1.24 0.00	25.85 1.78 0.00	27.66 2.05 0.00	28.95 2.14 0.00	32.13 2.38 0.00	33.87 2.42 0.00	38.19 2.80 0.00	40.80 2.81 0.00	42.78 2.69 0.00	45.26 2.52 -0.01	54.91 2.76 0.00	70.24 3.19 -1.95	70.41 2.76 -1.88	60.54 2.15 -0.31	52.23 2.82 0.00	42.62 1.95 0.00	40.58 2.44 0.00	34.40 2.34 0.00
NARROWS_GT1_4 24231	22.43 1.43 0.00	20.98 1.37 0.00	18.56 1.20 0.00	17.79 1.05 0.00	17.76 1.05 0.00	20.11 1.14 0.00	22.71 1.24 0.00	25.85 1.78 0.00	27.66 2.05 0.00	28.95 2.14 0.00	32.13 2.38 0.00	33.87 2.42 0.00	38.19 2.80 0.00	40.80 2.81 0.00	42.78 2.69 0.00	45.26 2.52 -0.01	54.91 2.76 0.00	70.24 3.19 -1.95	70.41 2.76 -1.88	60.54 2.15 -0.31	52.23 2.82 0.00	42.62 1.95 0.00	40.58 2.44 0.00	34.40 2.34 0.00
NARROWS_GT1_5 24232	22.43 1.43 0.00	20.98 1.37 0.00	18.56 1.20 0.00	17.79 1.05 0.00	17.76 1.05 0.00	20.11 1.14 0.00	22.71 1.24 0.00	25.85 1.78 0.00	27.66 2.05 0.00	28.95 2.14 0.00	32.13 2.38 0.00	33.87 2.42 0.00	38.19 2.80 0.00	40.80 2.81 0.00	42.78 2.69 0.00	45.26 2.52 -0.01	54.91 2.76 0.00	70.24 3.19 -1.95	70.41 2.76 -1.88	60.54 2.15 -0.31	52.23 2.82 0.00	42.62 1.95 0.00	40.58 2.44 0.00	34.40 2.34 0.00



NARROWS_GT1_6 24233	22.43 1.43 0.00	20.98 1.37 0.00	18.56 1.20 0.00	17.79 1.05 0.00	17.76 1.05 0.00	20.11 1.14 0.00	22.71 1.24 0.00	25.85 1.78 0.00	27.66 2.05 0.00	28.95 2.14 0.00	32.13 2.38 0.00	33.87 2.42 0.00	38.19 2.80 0.00	40.80 2.81 0.00	42.78 2.69 0.00	45.26 2.52 -0.01	54.91 2.76 0.00	70.24 3.19 -1.95	70.41 2.76 -1.88	60.54 2.15 -0.31	52.23 2.82 0.00	42.62 1.95 0.00	40.58 2.44 0.00	34.40 2.34 0.00
NARROWS_GT1_7 24234	22.43 1.43 0.00	20.98 1.37 0.00	18.56 1.20 0.00	17.79 1.05 0.00	17.76 1.05 0.00	20.11 1.14 0.00	22.71 1.24 0.00	25.85 1.78 0.00	27.66 2.05 0.00	28.95 2.14 0.00	32.13 2.38 0.00	33.87 2.42 0.00	38.19 2.80 0.00	40.80 2.81 0.00	42.78 2.69 0.00	45.26 2.52 -0.01	54.91 2.76 0.00	70.24 3.19 -1.95	70.41 2.76 -1.88	60.54 2.15 -0.31	52.23 2.82 0.00	42.62 1.95 0.00	40.58 2.44 0.00	34.40 2.34 0.00
NARROWS_GT1_8 24235	22.43 1.43 0.00	20.98 1.37 0.00	18.56 1.20 0.00	17.79 1.05 0.00	17.76 1.05 0.00	20.11 1.14 0.00	22.71 1.24 0.00	25.85 1.78 0.00	27.66 2.05 0.00	28.95 2.14 0.00	32.13 2.38 0.00	33.87 2.42 0.00	38.19 2.80 0.00	40.80 2.81 0.00	42.78 2.69 0.00	45.26 2.52 -0.01	54.91 2.76 0.00	70.24 3.19 -1.95	70.41 2.76 -1.88	60.54 2.15 -0.31	52.23 2.82 0.00	42.62 1.95 0.00	40.58 2.44 0.00	34.40 2.34 0.00
NARROWS_GT2_1 24236	22.43 1.43 0.00	20.98 1.37 0.00	18.56 1.20 0.00	17.79 1.05 0.00	17.76 1.05 0.00	20.11 1.14 0.00	22.71 1.24 0.00	25.85 1.78 0.00	27.66 2.05 0.00	28.95 2.14 0.00	32.13 2.38 0.00	33.87 2.42 0.00	38.19 2.80 0.00	40.80 2.81 0.00	42.78 2.69 0.00	45.26 2.52 -0.01	54.91 2.76 0.00	70.24 3.19 -1.95	70.41 2.76 -1.88	60.54 2.15 -0.31	52.23 2.82 0.00	42.62 1.95 0.00	40.58 2.44 0.00	34.40 2.34 0.00
NARROWS_GT2_2 24237	22.43 1.43 0.00	20.98 1.37 0.00	18.56 1.20 0.00	17.79 1.05 0.00	17.76 1.05 0.00	20.11 1.14 0.00	22.71 1.24 0.00	25.85 1.78 0.00	27.66 2.05 0.00	28.95 2.14 0.00	32.13 2.38 0.00	33.87 2.42 0.00	38.19 2.80 0.00	40.80 2.81 0.00	42.78 2.69 0.00	45.26 2.52 -0.01	54.91 2.76 0.00	70.24 3.19 -1.95	70.41 2.76 -1.88	60.54 2.15 -0.31	52.23 2.82 0.00	42.62 1.95 0.00	40.58 2.44 0.00	34.40 2.34 0.00
NARROWS_GT2_3 24238	22.43 1.43 0.00	20.98 1.37 0.00	18.56 1.20 0.00	17.79 1.05 0.00	17.76 1.05 0.00	20.11 1.14 0.00	22.71 1.24 0.00	25.85 1.78 0.00	27.66 2.05 0.00	28.95 2.14 0.00	32.13 2.38 0.00	33.87 2.42 0.00	38.19 2.80 0.00	40.80 2.81 0.00	42.78 2.69 0.00	45.26 2.52 -0.01	54.91 2.76 0.00	70.24 3.19 -1.95	70.41 2.76 -1.88	60.54 2.15 -0.31	52.23 2.82 0.00	42.62 1.95 0.00	40.58 2.44 0.00	34.40 2.34 0.00
NARROWS_GT2_4 24239	22.43 1.43 0.00	20.98 1.37 0.00	18.56 1.20 0.00	17.79 1.05 0.00	17.76 1.05 0.00	20.11 1.14 0.00	22.71 1.24 0.00	25.85 1.78 0.00	27.66 2.05 0.00	28.95 2.14 0.00	32.13 2.38 0.00	33.87 2.42 0.00	38.19 2.80 0.00	40.80 2.81 0.00	42.78 2.69 0.00	45.26 2.52 -0.01	54.91 2.76 0.00	70.24 3.19 -1.95	70.41 2.76 -1.88	60.54 2.15 -0.31	52.23 2.82 0.00	42.62 1.95 0.00	40.58 2.44 0.00	34.40 2.34 0.00
NARROWS_GT2_5 24240	22.43 1.43 0.00	20.98 1.37 0.00	18.56 1.20 0.00	17.79 1.05 0.00	17.76 1.05 0.00	20.11 1.14 0.00	22.71 1.24 0.00	25.85 1.78 0.00	27.66 2.05 0.00	28.95 2.14 0.00	32.13 2.38 0.00	33.87 2.42 0.00	38.19 2.80 0.00	40.80 2.81 0.00	42.78 2.69 0.00	45.26 2.52 -0.01	54.91 2.76 0.00	70.24 3.19 -1.95	70.41 2.76 -1.88	60.54 2.15 -0.31	52.23 2.82 0.00	42.62 1.95 0.00	40.58 2.44 0.00	34.40 2.34 0.00
NARROWS_GT2_6 24241	22.43 1.43 0.00	20.98 1.37 0.00	18.56 1.20 0.00	17.79 1.05 0.00	17.76 1.05 0.00	20.11 1.14 0.00	22.71 1.24 0.00	25.85 1.78 0.00	27.66 2.05 0.00	28.95 2.14 0.00	32.13 2.38 0.00	33.87 2.42 0.00	38.19 2.80 0.00	40.80 2.81 0.00	42.78 2.69 0.00	45.26 2.52 -0.01	54.91 2.76 0.00	70.24 3.19 -1.95	70.41 2.76 -1.88	60.54 2.15 -0.31	52.23 2.82 0.00	42.62 1.95 0.00	40.58 2.44 0.00	34.40 2.34 0.00
NARROWS_GT2_7 24242	22.43 1.43 0.00	20.98 1.37 0.00	18.56 1.20 0.00	17.79 1.05 0.00	17.76 1.05 0.00	20.11 1.14 0.00	22.71 1.24 0.00	25.85 1.78 0.00	27.66 2.05 0.00	28.95 2.14 0.00	32.13 2.38 0.00	33.87 2.42 0.00	38.19 2.80 0.00	40.80 2.81 0.00	42.78 2.69 0.00	45.26 2.52 -0.01	54.91 2.76 0.00	70.24 3.19 -1.95	70.41 2.76 -1.88	60.54 2.15 -0.31	52.23 2.82 0.00	42.62 1.95 0.00	40.58 2.44 0.00	34.40 2.34 0.00
NARROWS_GT2_8 24243	22.43 1.43 0.00	20.98 1.37 0.00	18.56 1.20 0.00	17.79 1.05 0.00	17.76 1.05 0.00	20.11 1.14 0.00	22.71 1.24 0.00	25.85 1.78 0.00	27.66 2.05 0.00	28.95 2.14 0.00	32.13 2.38 0.00	33.87 2.42 0.00	38.19 2.80 0.00	40.80 2.81 0.00	42.78 2.69 0.00	45.26 2.52 -0.01	54.91 2.76 0.00	70.24 3.19 -1.95	70.41 2.76 -1.88	60.54 2.15 -0.31	52.23 2.82 0.00	42.62 1.95 0.00	40.58 2.44 0.00	34.40 2.34 0.00
NCATSKLL_69_KV_NC-LINE_REV_LBMP_G 345022	22.08 1.07 0.00	20.61 1.00 0.00	18.21 0.85 0.00	17.54 0.80 0.00	17.49 0.79 0.00	19.82 0.85 0.00	22.47 1.01 0.00	25.11 1.04 0.00	26.76 1.15 0.00	27.71 0.91 0.00	30.61 0.86 0.00	32.14 0.69 0.00	36.24 0.85 0.00	38.86 0.87 0.00	41.17 1.08 0.00	43.97 1.24 0.00	53.92 1.77 0.00	67.13 2.73 0.70	67.98 2.89 0.68	60.81 2.85 0.12	51.84 2.42 0.00	42.75 2.07 0.00	39.86 1.72 0.00	33.50 1.44 0.00
NCHELSEA_115KV_TR2 355582	22.35 1.34 0.00	20.87 1.26 0.00	18.46 1.09 0.00	17.76 1.02 0.00	17.73 1.02 0.00	20.09 1.12 0.00	22.73 1.27 0.00	25.71 1.64 0.00	27.43 1.82 0.00	28.65 1.85 0.00	31.89 2.14 0.00	33.59 2.14 0.00	37.80 2.41 0.00	40.42 2.43 0.00	42.54 2.45 0.00	45.22 2.48 0.00	55.17 3.02 0.00	69.92 3.32 -1.50	70.24 3.03 -1.44	60.93 2.61 -0.23	52.23 2.82 0.00	42.79 2.11 0.00	40.35 2.21 0.00	34.08 2.02 0.00
NEG CAPITAL___MECHNVIL 23645	22.26 1.26 0.00	20.79 1.18 0.00	18.41 1.04 0.00	17.72 0.99 0.00	17.69 0.99 0.00	20.05 1.08 0.00	22.75 1.29 0.00	25.44 1.37 0.00	27.17 1.56 0.00	28.27 1.47 0.00	31.15 1.40 0.00	32.80 1.35 0.00	36.91 1.52 0.00	39.58 1.60 0.00	41.85 1.76 0.00	44.65 1.92 0.01	54.55 2.40 0.00	65.83 2.86 2.13	66.53 2.83 2.06	60.29 2.55 0.35	51.98 2.57 0.00	42.91 2.24 0.00	40.24 2.10 0.00	33.89 1.83 0.00
NEG CENTRAL_HIGH_ACRES 23767	20.33 -0.67 0.00	18.94 -0.67 0.00	16.74 -0.62 0.00	16.18 -0.55 0.00	16.17 -0.54 0.00	18.51 -0.46 0.00	21.10 -0.37 0.00	23.61 -0.46 0.00	25.30 -0.31 0.00	26.94 0.13 0.00	30.14 0.39 0.00	31.95 0.50 0.00	35.99 0.60 0.00	38.94 0.95 0.00	41.49 1.40 0.00	44.49 1.75 0.00	54.55 2.40 0.00	68.10 3.00 0.00	68.67 2.89 -0.02	61.23 3.13 -0.02	51.49 2.08 0.00	42.34 1.67 0.00	39.51 1.37 0.00	32.64 0.58 0.00



NEG CENTRAL___DRP 24199	20.92 -0.08 0.00	19.49 -0.12 0.00	17.26 -0.10 0.00	16.65 -0.08 0.00	16.67 -0.03 0.00	19.02 0.06 0.00	21.68 0.21 0.00	24.22 0.14 0.00	25.96 0.33 -0.02	27.74 0.67 -0.26	30.89 0.89 -0.25	32.91 1.01 -0.45	37.52 1.20 -0.92	40.74 1.52 -1.24	43.50 1.92 -1.48	46.74 2.22 -1.78	58.02 2.97 -2.90	73.38 3.84 -4.44	74.20 3.88 -4.55	65.46 3.60 -3.78	54.90 2.87 -2.62	44.49 2.24 -1.58	41.19 1.75 -1.29	33.80 1.19 -0.56
NEG CENTRAL___INDECK 23768	21.09 0.08 0.00	19.63 0.02 0.00	17.33 -0.03 0.00	16.79 0.05 0.00	16.81 0.10 0.00	19.27 0.30 0.00	22.06 0.60 0.00	24.58 0.51 0.00	26.25 0.64 0.00	27.95 1.15 0.00	31.15 1.40 0.00	32.90 1.45 0.00	37.16 1.77 0.00	40.38 2.39 0.00	41.94 1.85 0.00	45.00 2.26 0.00	55.38 3.23 0.00	69.53 4.43 0.00	71.12 5.32 -0.02	63.56 5.46 -0.02	53.86 4.45 0.00	44.29 3.62 0.00	42.49 4.35 0.00	34.91 2.85 0.00
NEG CENTRAL___SENECA 23627	20.92 -0.08 0.00	19.49 -0.12 0.00	17.24 -0.12 0.00	16.67 -0.07 0.00	16.67 -0.03 0.00	19.08 0.11 0.00	21.79 0.32 0.00	24.31 0.24 0.00	26.13 0.51 -0.01	27.91 0.96 -0.14	31.13 1.25 -0.13	33.10 1.42 -0.24	37.55 1.66 -0.49	40.73 2.09 -0.66	43.53 2.65 -0.79	46.72 3.03 -0.95	57.76 4.07 -1.54	72.66 5.21 -2.35	73.45 5.26 -2.42	64.85 4.76 -2.01	54.61 3.80 -1.39	44.52 3.01 -0.84	41.19 2.36 -0.68	33.99 1.64 -0.29
NEG CENTRAL___STATE_STREET 24147	21.03 0.02 0.00	19.61 0.00 0.00	17.36 0.00 0.00	16.72 -0.02 0.00	16.74 0.03 0.00	19.08 0.11 0.00	21.68 0.21 0.00	24.27 0.19 0.00	25.91 0.28 -0.02	27.69 0.54 -0.35	30.76 0.68 -0.33	32.84 0.79 -0.60	37.54 0.92 -1.23	40.78 1.14 -1.65	43.55 1.48 -1.98	46.83 1.71 -2.38	58.26 2.24 -3.87	74.01 2.99 -5.92	74.85 3.03 -6.06	65.96 2.85 -5.03	55.18 2.27 -3.49	44.57 1.79 -2.10	41.23 1.37 -1.72	33.70 0.90 -0.74
NEG MILLWOOD___DRP 24198	22.43 1.43 0.00	20.94 1.33 0.00	18.54 1.18 0.00	17.81 1.07 0.00	17.78 1.07 0.00	20.14 1.18 0.00	22.79 1.33 0.00	25.81 1.73 0.00	27.53 1.92 0.00	28.79 1.98 0.00	32.07 2.32 0.00	33.84 2.39 0.00	38.12 2.73 0.00	40.80 2.81 0.00	42.94 2.85 0.00	45.61 2.86 -0.01	55.59 3.44 0.00	70.57 3.78 -1.70	71.01 3.62 -1.63	61.37 3.02 -0.26	52.63 3.21 0.00	43.03 2.36 0.00	40.58 2.44 0.00	34.21 2.15 0.00
NEG NORTH_FLCN_SEA 23793	20.86 -0.15 0.00	19.32 -0.29 0.00	16.99 -0.36 0.01	15.19 -0.47 1.07	16.30 -0.40 0.01	17.82 -0.53 0.62	20.96 -0.49 0.01	23.63 -0.43 0.01	25.02 -0.59 0.00	26.05 -0.75 0.00	29.24 -0.51 0.00	31.20 -0.25 0.00	35.08 -0.32 0.00	37.61 -0.38 0.00	39.61 -0.48 0.00	42.27 -0.47 0.00	51.78 -0.37 0.00	65.29 0.20 0.00	66.88 1.12 0.00	59.01 0.93 0.00	49.27 -0.15 0.00	40.22 -0.45 0.00	37.45 -0.69 0.00	31.29 -0.77 0.00
NEG NORTH_KES_CHATEGAY 23792	20.56 -0.44 0.00	19.08 -0.53 0.00	16.84 -0.52 0.01	15.09 -0.59 1.06	16.15 -0.55 0.01	17.68 -0.68 0.61	20.71 -0.75 0.01	23.29 -0.77 0.01	24.74 -0.87 0.00	25.78 -1.02 0.00	28.80 -0.95 0.00	30.70 -0.75 0.00	34.51 -0.88 0.00	37.00 -0.99 0.00	38.97 -1.12 0.00	41.63 -1.11 0.00	50.95 -1.20 0.00	64.19 -0.91 0.00	65.57 -0.20 0.00	57.79 -0.29 0.00	48.33 -1.09 0.00	39.53 -1.14 0.00	36.84 -1.30 0.00	30.87 -1.19 0.00
NEG NORTH___ALICE_FALLS 23915	20.82 -0.19 0.00	19.28 -0.33 0.00	16.97 -0.38 0.01	15.18 -0.49 1.07	16.28 -0.42 0.01	17.78 -0.57 0.62	20.92 -0.54 0.01	23.61 -0.46 0.01	25.02 -0.59 0.00	26.02 -0.78 0.00	29.19 -0.57 0.00	31.14 -0.31 0.00	35.00 -0.39 0.00	37.49 -0.49 0.00	39.57 -0.52 0.00	42.22 -0.51 0.00	51.78 -0.37 0.00	65.36 0.26 0.00	66.95 1.18 0.00	59.01 0.93 0.00	49.27 -0.15 0.00	40.22 -0.45 0.00	37.42 -0.72 0.00	31.26 -0.80 0.00
NEG NORTH___LWR_SARANAC 23913	20.82 -0.19 0.00	19.28 -0.33 0.00	16.97 -0.38 0.01	15.18 -0.49 1.07	16.28 -0.42 0.01	17.78 -0.57 0.62	20.92 -0.54 0.01	23.61 -0.46 0.01	25.02 -0.59 0.00	26.02 -0.78 0.00	29.19 -0.57 0.00	31.14 -0.31 0.00	35.00 -0.39 0.00	37.49 -0.49 0.00	39.57 -0.52 0.00	42.22 -0.51 0.00	51.78 -0.37 0.00	65.36 0.26 0.00	66.95 1.18 0.00	59.01 0.93 0.00	49.27 -0.15 0.00	40.22 -0.45 0.00	37.42 -0.72 0.00	31.26 -0.80 0.00
NEG NORTH___PLATTSBURG 23628	20.82 -0.19 0.00	19.28 -0.33 0.00	16.97 -0.38 0.01	15.18 -0.49 1.07	16.28 -0.42 0.01	17.78 -0.57 0.62	20.92 -0.54 0.01	23.58 -0.48 0.01	25.02 -0.59 0.00	26.02 -0.78 0.00	29.18 -0.57 0.00	31.14 -0.31 0.00	35.01 -0.39 0.00	37.49 -0.49 0.00	39.57 -0.52 0.00	42.23 -0.51 0.00	48.92 -3.23 0.00	60.35 -4.75 0.00	61.82 -3.94 0.00	54.65 -3.43 0.00	45.51 -3.90 0.00	38.48 -2.20 0.00	35.74 -2.40 0.00	29.91 -2.15 0.00
NEG WEST_LEA_LOCKPORT 23791	20.12 -0.88 0.00	18.79 -0.82 0.00	16.58 -0.78 0.00	16.13 -0.60 0.00	16.12 -0.58 0.00	18.57 -0.40 0.00	21.29 -0.17 0.00	23.33 -0.75 0.00	25.33 -0.28 0.00	27.34 0.54 0.00	30.52 0.77 0.00	32.55 1.10 0.00	36.63 1.24 0.00	39.93 1.94 0.00	42.82 2.73 0.00	45.90 3.16 0.00	56.27 4.12 0.00	69.98 4.88 0.00	70.26 4.47 -0.02	62.23 4.12 -0.02	52.68 3.26 0.00	43.44 2.77 0.00	40.43 2.29 0.00	33.66 1.60 0.00
NEG WEST___LANCASTR 23811	20.46 -0.55 0.00	19.10 -0.51 0.00	16.90 -0.47 0.00	16.47 -0.27 0.00	16.46 -0.25 0.00	18.87 -0.09 0.00	21.66 0.19 0.00	23.69 -0.39 0.00	25.71 0.10 0.00	27.69 0.88 0.00	31.00 1.25 0.00	33.02 1.57 0.00	37.23 1.84 0.00	40.49 2.51 0.00	43.38 3.29 0.00	46.54 3.80 0.00	57.16 5.01 0.00	70.89 5.79 0.00	70.92 5.13 -0.03	62.00 3.89 -0.03	53.22 3.80 0.00	43.80 3.13 0.00	40.70 2.56 0.00	34.21 2.15 0.00
NEG_PENN_ALLEGHNY 23528	21.11 0.11 0.00	19.71 0.10 0.00	17.45 0.09 0.00	16.85 0.12 0.00	16.86 0.15 0.00	19.18 0.21 0.00	21.81 0.34 0.00	24.41 0.34 0.00	26.10 0.49 -0.01	27.73 0.78 -0.15	30.91 1.01 -0.14	32.78 1.07 -0.26	37.20 1.27 -0.54	40.27 1.56 -0.72	42.80 1.85 -0.87	45.87 2.09 -1.04	56.66 2.81 -1.69	71.06 3.32 -2.64	71.84 3.29 -2.79	63.25 2.85 -2.33	53.49 2.52 -1.56	43.60 1.99 -0.94	40.70 1.79 -0.77	33.67 1.28 -0.33
NEG___GEN_MONROE 24207	20.58 -0.42 0.00	19.16 -0.45 0.00	16.93 -0.43 0.00	16.38 -0.35 0.00	16.39 -0.32 0.00	18.78 -0.19 0.00	21.49 0.02 0.00	23.83 -0.24 0.00	25.71 0.10 0.00	27.47 0.67 0.00	30.67 0.92 0.00	32.61 1.16 0.00	36.70 1.31 0.00	39.74 1.75 0.00	42.38 2.29 0.00	45.39 2.65 0.00	55.75 3.60 0.00	69.40 4.30 0.00	69.86 4.08 -0.02	61.87 3.78 -0.02	52.28 2.87 0.00	43.11 2.44 0.00	40.12 1.98 0.00	33.37 1.31 0.00
NEPA___ENERGY 23901	20.40 -0.61 0.00	19.04 -0.57 0.00	16.86 -0.50 0.00	16.42 -0.32 0.00	16.42 -0.28 0.00	18.82 -0.15 0.00	21.61 0.15 0.00	23.78 -0.29 0.00	25.84 0.23 0.00	27.82 1.02 0.00	31.18 1.43 0.00	33.18 1.73 0.00	37.41 2.02 0.00	40.68 2.70 0.00	43.62 3.53 0.00	46.84 4.10 0.00	57.52 5.37 0.00	71.41 6.31 0.00	71.51 5.72 -0.03	63.10 4.99 -0.03	53.52 4.10 0.00	44.01 3.34 0.00	40.89 2.75 0.00	34.11 2.05 0.00



NEVERSINK___HYD 23608	21.95 0.95 0.00	20.47 0.86 0.00	18.11 0.75 0.00	17.42 0.69 0.00	17.41 0.70 0.00	19.71 0.74 0.00	22.32 0.86 0.00	25.23 1.16 0.00	26.94 1.33 0.00	27.93 1.13 0.00	31.09 1.34 0.00	32.74 1.29 0.00	36.88 1.49 0.00	39.43 1.44 0.00	41.53 1.44 0.00	44.24 1.50 0.00	54.18 2.03 0.00	68.68 2.47 -1.11	69.13 2.30 -1.07	60.11 1.86 -0.17	51.59 2.17 0.00	42.50 1.83 0.00	39.90 1.76 0.00	33.69 1.63 0.00
NEWKRMKL_115KV_TB1 55635	21.68 0.67 0.00	20.28 0.67 0.00	17.97 0.61 0.00	17.29 0.55 0.00	17.24 0.53 0.00	19.54 0.57 0.00	22.09 0.62 0.00	24.80 0.72 0.00	26.40 0.79 0.00	27.45 0.64 0.00	30.32 0.57 0.00	31.89 0.44 0.00	35.89 0.50 0.00	38.44 0.46 0.00	40.61 0.52 0.00	43.16 0.43 0.01	52.62 0.47 0.00	63.73 0.33 1.69	64.33 0.20 1.64	58.10 0.29 0.27	49.96 0.54 0.00	41.28 0.61 0.00	38.79 0.65 0.00	32.70 0.64 0.00
NEWTON___FALLS_HYD 23847	20.73 -0.27 0.00	19.34 -0.27 0.00	17.10 -0.26 0.00	15.91 -0.25 0.57	16.48 -0.22 0.00	18.45 -0.19 0.33	21.31 -0.15 0.00	23.85 -0.22 0.00	25.41 -0.20 -0.01	26.62 -0.32 -0.14	29.55 -0.33 -0.13	31.56 -0.13 -0.24	35.64 -0.25 -0.49	38.31 -0.34 -0.66	40.32 -0.56 -0.79	43.35 -0.34 -0.95	53.43 -0.26 -1.54	67.80 0.33 -2.37	69.17 0.99 -2.42	61.08 0.99 -2.01	51.06 0.25 -1.40	41.56 0.04 -0.84	38.87 0.04 -0.69	32.39 0.03 -0.30
NGRID_A1_DSASP 323792	19.66 -1.34 0.00	18.38 -1.23 0.00	16.22 -1.15 0.00	15.76 -0.97 0.00	15.75 -0.95 0.00	18.13 -0.83 0.00	20.80 -0.67 0.00	22.89 -1.18 0.00	24.71 -0.90 0.00	26.67 -0.13 0.00	29.93 0.18 0.00	31.70 0.25 0.00	35.78 0.39 0.00	39.01 1.03 0.00	41.70 1.61 0.00	44.61 1.88 0.00	54.60 2.45 0.00	67.83 2.73 0.00	68.35 2.56 -0.02	60.89 2.79 -0.02	51.24 1.83 0.00	42.34 1.67 0.00	39.82 1.68 0.00	32.80 0.74 0.00
NGRID_A2_DSASP 323793	19.66 -1.34 0.00	18.38 -1.23 0.00	16.22 -1.15 0.00	15.76 -0.97 0.00	15.75 -0.95 0.00	18.13 -0.83 0.00	20.80 -0.67 0.00	22.89 -1.18 0.00	24.71 -0.90 0.00	26.67 -0.13 0.00	29.93 0.18 0.00	31.70 0.25 0.00	35.78 0.39 0.00	39.01 1.03 0.00	41.70 1.61 0.00	44.61 1.88 0.00	54.60 2.45 0.00	67.83 2.73 0.00	68.35 2.56 -0.02	60.89 2.79 -0.02	51.24 1.83 0.00	42.34 1.67 0.00	39.82 1.68 0.00	32.80 0.74 0.00
NGRID_A4_DSASP 323807	19.66 -1.34 0.00	18.38 -1.23 0.00	16.22 -1.15 0.00	15.76 -0.97 0.00	15.75 -0.95 0.00	18.13 -0.83 0.00	20.80 -0.67 0.00	22.89 -1.18 0.00	24.71 -0.90 0.00	26.67 -0.13 0.00	29.93 0.18 0.00	31.70 0.25 0.00	35.78 0.39 0.00	39.01 1.03 0.00	41.70 1.61 0.00	44.61 1.88 0.00	54.60 2.45 0.00	67.83 2.73 0.00	68.35 2.56 -0.02	60.89 2.79 -0.02	51.24 1.83 0.00	42.34 1.67 0.00	39.82 1.68 0.00	32.80 0.74 0.00
NIAGARA_115E_LBMP 323715	19.83 -1.18 0.00	18.53 -1.08 0.00	16.36 -1.01 0.00	15.90 -0.84 0.00	15.90 -0.80 0.00	18.30 -0.66 0.00	20.99 -0.47 0.00	23.11 -0.96 0.00	24.92 -0.69 0.00	26.88 0.08 0.00	30.17 0.42 0.00	31.98 0.53 0.00	36.10 0.71 0.00	39.35 1.37 0.00	42.10 2.00 0.00	45.09 2.35 0.00	55.23 3.08 0.00	68.68 3.58 0.00	69.14 3.35 -0.02	61.53 3.43 -0.02	51.83 2.42 0.00	42.83 2.15 0.00	40.24 2.10 0.00	33.15 1.09 0.00
NIAGARA_115W_LBMP 323714	19.60 -1.41 0.00	18.32 -1.29 0.00	16.18 -1.18 0.00	15.71 -1.02 0.00	15.72 -0.99 0.00	18.10 -0.87 0.00	20.73 -0.73 0.00	22.82 -1.25 0.00	24.58 -1.03 0.00	26.53 -0.27 0.00	29.78 0.03 0.00	31.54 0.09 0.00	35.61 0.21 0.00	38.82 0.83 0.00	41.49 1.40 0.00	44.40 1.67 0.00	54.44 2.29 0.00	67.64 2.54 0.00	68.15 2.36 -0.02	60.66 2.55 -0.02	51.04 1.63 0.00	42.22 1.55 0.00	39.71 1.56 0.00	32.70 0.64 0.00
NIAGARA_230_LBMP 323716	19.91 -1.09 0.00	18.61 -1.00 0.00	16.43 -0.94 0.00	15.95 -0.79 0.00	15.95 -0.75 0.00	18.36 -0.61 0.00	21.03 -0.43 0.00	23.18 -0.89 0.00	24.97 -0.64 0.00	26.91 0.11 0.00	30.20 0.45 0.00	31.98 0.53 0.00	36.10 0.71 0.00	39.32 1.33 0.00	42.02 1.92 0.00	45.00 2.26 0.00	55.12 2.97 0.00	68.55 3.45 0.00	69.01 3.22 -0.02	61.47 3.37 -0.02	51.74 2.32 0.00	42.70 2.03 0.00	40.16 2.02 0.00	33.09 1.03 0.00
NIAGARA___115KV_198_GIBSON 55903	19.60 -1.41 0.00	18.32 -1.29 0.00	16.18 -1.18 0.00	15.71 -1.02 0.00	15.72 -0.99 0.00	18.10 -0.87 0.00	20.73 -0.73 0.00	22.65 -1.42 0.00	24.58 -1.02 0.00	26.53 -0.27 0.00	29.60 -0.15 0.00	31.54 0.09 0.00	35.50 0.11 0.00	38.67 0.68 0.00	41.45 1.36 0.00	44.40 1.67 0.00	54.44 2.29 0.00	67.64 2.54 0.00	67.89 2.10 -0.02	60.19 2.09 -0.02	50.95 1.53 0.00	42.01 1.34 0.00	39.21 1.07 0.00	32.67 0.61 0.00
NIAGARA____ 23760	19.91 -1.09 0.00	18.61 -1.00 0.00	16.43 -0.94 0.00	15.95 -0.79 0.00	15.95 -0.75 0.00	18.36 -0.61 0.00	21.03 -0.43 0.00	23.18 -0.89 0.00	24.97 -0.64 0.00	26.91 0.11 0.00	30.20 0.45 0.00	31.98 0.53 0.00	36.10 0.71 0.00	39.32 1.33 0.00	42.02 1.92 0.00	45.00 2.26 0.00	55.12 2.97 0.00	68.55 3.45 0.00	69.01 3.22 -0.02	61.47 3.37 -0.02	51.74 2.32 0.00	42.70 2.03 0.00	40.16 2.02 0.00	33.09 1.03 0.00
NINE_MILE_1 23575	20.50 -0.50 0.00	19.14 -0.47 0.00	16.93 -0.43 0.00	16.33 -0.40 0.00	16.31 -0.40 0.00	18.55 -0.42 0.00	21.01 -0.45 0.00	23.49 -0.58 0.00	24.76 -0.69 0.16	23.85 -0.59 2.36	26.96 -0.59 2.19	26.80 -0.63 4.02	26.51 -0.67 8.21	26.27 -0.68 11.04	26.22 -0.64 13.22	26.18 -0.64 15.92	25.63 -0.68 25.84	24.41 -0.85 39.84	24.24 -0.86 40.67	23.77 -0.58 33.74	25.33 -0.59 23.49	25.97 -0.53 14.17	26.03 -0.53 11.57	26.49 -0.58 4.99
NINE_MILE_2 23744	20.50 -0.50 0.00	19.14 -0.47 0.00	16.93 -0.43 0.00	16.33 -0.40 0.00	16.32 -0.38 0.00	18.55 -0.42 0.00	21.01 -0.45 0.00	23.49 -0.58 0.00	24.76 -0.69 0.16	23.81 -0.59 2.40	26.93 -0.59 2.22	26.74 -0.63 4.08	26.39 -0.67 8.33	26.10 -0.68 11.20	26.02 -0.64 13.42	25.94 -0.64 16.16	25.24 -0.68 26.23	23.81 -0.85 40.44	23.62 -0.86 41.29	23.26 -0.58 34.24	24.98 -0.59 23.84	25.76 -0.53 14.38	25.86 -0.53 11.75	26.41 -0.58 5.07
NM_CAPITAL___DRP 24208	21.74 0.74 0.00	20.34 0.73 0.00	18.02 0.66 0.00	17.36 0.62 0.00	17.29 0.58 0.00	19.59 0.63 0.00	22.17 0.71 0.00	24.87 0.79 0.00	26.48 0.87 0.00	27.50 0.70 0.00	30.41 0.65 0.00	31.98 0.53 0.00	36.00 0.60 0.00	38.52 0.53 0.00	40.65 0.56 0.00	43.20 0.47 0.01	52.67 0.52 0.00	63.55 0.33 1.87	64.15 0.20 1.81	58.07 0.29 0.30	50.01 0.59 0.00	41.32 0.65 0.00	38.83 0.69 0.00	32.77 0.71 0.00
NM_CENTRAL___DRP 24181	20.86 -0.15 0.00	19.47 -0.14 0.00	17.22 -0.14 0.00	16.62 -0.12 0.00	16.61 -0.10 0.00	18.89 -0.08 0.00	21.42 -0.04 0.00	24.00 -0.07 0.00	25.55 -0.08 -0.02	27.14 0.11 -0.23	30.17 0.21 -0.21	32.06 0.22 -0.39	36.48 0.28 -0.80	39.44 0.38 -1.08	41.94 0.56 -1.29	44.93 0.64 -1.55	55.50 0.83 -2.52	70.01 1.04 -3.87	70.71 0.99 -3.96	62.35 0.99 -3.29	52.49 0.79 -2.28	42.66 0.61 -1.38	39.68 0.42 -1.12	32.83 0.29 -0.49



NM_FRONTIER___DRP 24179	19.60 -1.41 0.00	18.32 -1.29 0.00	16.18 -1.18 0.00	15.71 -1.02 0.00	15.72 -0.99 0.00	18.10 -0.87 0.00	20.73 -0.73 0.00	22.65 -1.42 0.00	24.58 -1.02 0.00	26.53 -0.27 0.00	29.60 -0.15 0.00	31.54 0.09 0.00	35.50 0.11 0.00	38.67 0.68 0.00	41.45 1.36 0.00	44.40 1.67 0.00	54.44 2.29 0.00	67.64 2.54 0.00	67.89 2.10 -0.02	60.19 2.09 -0.02	50.95 1.53 0.00	42.01 1.34 0.00	39.21 1.07 0.00	32.67 0.61 0.00
NM_ST_REGIS___HYD 24053	20.52 -0.48 0.00	19.10 -0.51 0.00	16.91 -0.45 0.01	15.37 -0.47 0.89	16.25 -0.45 0.01	17.94 -0.51 0.51	20.88 -0.58 0.01	23.27 -0.79 0.01	24.77 -0.85 0.00	25.82 -1.05 -0.07	28.71 -1.10 -0.06	30.78 -0.79 -0.11	34.60 -1.03 -0.23	36.97 -1.33 -0.31	38.78 -1.68 -0.37	41.69 -1.50 -0.44	51.25 -1.62 -0.72	64.97 -1.24 -1.10	66.24 -0.66 -1.13	58.32 -0.70 -0.93	48.34 -1.73 -0.65	39.56 -1.50 -0.39	37.16 -1.30 -0.32	31.17 -1.03 -0.14
NORTHPORT___1 23551	32.07 1.64 -9.43	28.83 1.59 -7.63	23.83 1.44 -5.03	23.82 1.34 -5.75	24.43 1.35 -6.37	27.60 1.48 -7.15	31.92 1.68 -8.78	32.74 2.12 -6.55	32.90 2.33 -4.97	33.06 2.36 -3.89	43.15 2.53 -10.87	43.81 2.42 -9.94	44.60 2.62 -6.58	45.40 2.47 -4.94	45.94 2.24 -3.60	45.94 2.14 -1.07	46.17 2.55 8.53	46.49 3.06 21.67	49.12 2.63 19.28	48.28 2.03 11.83	46.45 2.42 5.38	46.17 1.83 -3.67	43.12 2.98 -2.00	34.90 2.82 -0.02
NORTHPORT___2 23552	32.07 1.64 -9.43	28.83 1.59 -7.63	23.83 1.44 -5.03	23.82 1.34 -5.75	24.43 1.35 -6.37	27.60 1.48 -7.15	31.92 1.68 -8.78	32.74 2.12 -6.55	32.90 2.33 -4.97	33.06 2.36 -3.89	43.15 2.53 -10.87	43.81 2.42 -9.94	44.60 2.62 -6.58	45.40 2.47 -4.94	45.94 2.24 -3.60	45.94 2.14 -1.07	46.17 2.55 8.53	46.49 3.06 21.67	49.12 2.63 19.28	48.28 2.03 11.83	46.45 2.42 5.38	46.17 1.83 -3.67	43.12 2.98 -2.00	34.90 2.82 -0.02
NORTHPORT___3 23553	31.96 1.53 -9.43	28.69 1.45 -7.63	23.69 1.30 -5.03	23.69 1.21 -5.75	24.29 1.22 -6.37	27.47 1.35 -7.15	31.77 1.52 -8.78	32.60 1.97 -6.55	32.75 2.18 -4.97	32.92 2.22 -3.89	42.91 2.29 -10.87	43.65 2.27 -9.94	44.35 2.37 -6.58	45.09 2.16 -4.94	45.73 2.04 -3.60	45.81 2.01 -1.06	46.06 2.45 8.54	46.22 2.80 21.68	48.85 2.36 19.28	48.05 1.80 11.84	46.30 2.27 5.39	45.96 1.63 -3.66	42.85 2.71 -2.00	34.61 2.53 -0.02
NORTHPORT___4 23650	31.96 1.53 -9.43	28.69 1.45 -7.63	23.69 1.30 -5.03	23.69 1.21 -5.75	24.29 1.22 -6.37	27.47 1.35 -7.15	31.77 1.52 -8.78	32.60 1.97 -6.55	32.75 2.18 -4.97	32.92 2.22 -3.89	42.91 2.29 -10.87	43.65 2.27 -9.94	44.35 2.37 -6.58	45.09 2.16 -4.94	45.73 2.04 -3.60	45.81 2.01 -1.06	46.06 2.45 8.54	46.22 2.80 21.68	48.85 2.36 19.28	48.05 1.80 11.84	46.30 2.27 5.39	45.96 1.63 -3.66	42.85 2.71 -2.00	34.61 2.53 -0.02
NORTHPORT___IC 23718	32.07 1.64 -9.43	28.83 1.59 -7.63	23.83 1.44 -5.03	23.82 1.34 -5.75	24.43 1.35 -6.37	27.60 1.48 -7.15	31.92 1.67 -8.78	32.76 2.14 -6.55	32.90 2.33 -4.97	33.05 2.36 -3.89	43.09 2.47 -10.87	43.84 2.45 -9.94	44.63 2.65 -6.58	45.44 2.51 -4.94	45.94 2.25 -3.60	45.94 2.14 -1.07	46.07 2.45 8.53	46.10 2.67 21.67	48.79 2.30 19.28	48.17 1.92 11.83	46.25 2.22 5.38	46.09 1.75 -3.67	43.12 2.98 -2.00	34.83 2.76 -0.02
NORTH___COUNTRY_ESR 323785	20.52 -0.48 0.00	19.04 -0.57 0.00	16.80 -0.56 0.01	15.08 -0.60 1.06	16.11 -0.59 0.01	17.64 -0.72 0.61	20.66 -0.79 0.01	23.25 -0.82 0.01	24.71 -0.90 0.00	25.78 -1.02 0.00	28.77 -0.98 0.00	30.66 -0.79 0.00	34.47 -0.92 0.00	36.96 -1.02 0.00	38.93 -1.16 0.00	41.54 -1.20 0.00	49.28 -2.87 0.00	61.39 -3.71 0.00	62.61 -3.16 0.00	55.24 -2.84 0.00	46.15 -3.26 0.00	38.44 -2.24 0.00	35.81 -2.33 0.00	30.07 -1.99 0.00
NPX_GEN_1385_PROXY 323591	29.00 1.03 -6.97	28.38 1.14 -7.63	23.59 1.20 -5.03	23.52 1.04 -5.75	24.13 1.05 -6.37	27.20 1.08 -7.15	31.34 1.09 -8.78	32.26 1.64 -6.55	32.34 1.77 -4.97	32.22 1.53 -3.89	32.54 1.61 -1.18	33.44 1.45 -0.54	32.00 1.52 4.91	36.89 1.29 2.39	40.02 0.96 1.03	42.00 0.77 1.51	44.82 1.20 8.53	45.45 2.02 21.67	48.53 2.04 19.28	47.82 1.57 11.83	45.71 1.68 5.38	46.66 0.73 -5.26	39.40 1.76 0.50	34.16 2.08 -0.02
NPX_GEN_CSC 323557	32.17 1.74 -9.43	28.91 1.67 -7.63	23.88 1.49 -5.03	23.87 1.39 -5.75	24.51 1.44 -6.37	27.68 1.56 -7.15	32.03 1.78 -8.78	32.81 2.19 -6.55	32.98 2.41 -4.97	33.13 2.44 -3.89	43.27 2.65 -10.87	44.03 2.64 -9.94	44.99 3.01 -6.58	45.97 3.04 -4.94	47.97 3.01 -4.87	65.61 3.08 -19.80	77.15 3.76 -21.24	97.27 4.82 -27.35	94.34 4.47 -24.10	78.24 3.60 -16.56	62.70 3.61 -9.68	67.94 2.77 -24.50	42.10 3.55 -0.41	35.28 3.21 -0.02
NSINS_S_GLNS_FALLS 23858	22.56 1.55 0.00	21.06 1.45 0.00	18.61 1.25 0.00	17.92 1.19 0.00	17.91 1.20 0.00	20.30 1.33 0.00	23.07 1.61 0.00	25.81 1.73 0.00	27.58 1.97 0.00	28.73 1.93 0.00	31.86 2.11 0.00	32.80 1.35 0.00	36.88 1.49 0.00	39.62 1.63 0.00	41.98 1.88 0.00	44.91 2.18 0.01	54.55 2.40 0.00	66.09 2.86 1.88	66.78 2.83 1.82	60.27 2.50 0.31	52.08 2.67 0.00	43.03 2.36 0.00	40.54 2.40 0.00	33.98 1.92 0.00
NUCOR_STEEL___DRP 24197	21.07 0.06 0.00	19.65 0.04 0.00	17.40 0.03 0.00	16.77 0.03 0.00	16.77 0.07 0.00	19.10 0.13 0.00	21.70 0.24 0.00	24.27 0.19 0.00	25.92 0.28 -0.03	27.66 0.48 -0.38	30.76 0.65 -0.35	32.82 0.72 -0.64	37.52 0.81 -1.31	40.78 1.03 -1.77	43.53 1.32 -2.12	46.82 1.54 -2.55	58.32 2.03 -4.14	74.10 2.67 -6.34	74.95 2.70 -6.48	66.08 2.61 -5.38	55.22 2.08 -3.74	44.59 1.67 -2.25	41.32 1.33 -1.84	33.75 0.90 -0.79
NUMBER_THREE_WT_PWR 323818	21.00 0.00 0.00	19.57 -0.04 0.00	17.33 -0.03 0.00	16.48 -0.03 0.22	16.72 0.02 0.00	18.95 0.11 0.13	21.72 0.26 0.00	24.53 0.46 0.00	26.13 0.51 -0.01	27.48 0.51 -0.17	30.53 0.63 -0.16	32.49 0.75 -0.28	36.79 0.81 -0.58	39.72 0.95 -0.78	41.95 0.92 -0.94	45.02 1.15 -1.13	55.49 1.51 -1.83	70.32 2.41 -2.82	71.67 3.03 -2.88	63.55 3.08 -2.39	53.54 2.47 -1.66	43.46 1.79 -1.00	40.44 1.49 -0.82	33.50 1.09 -0.35
NYISO_LBMP_REFERENCE 24008	21.00 0.00 0.00	19.61 0.00 0.00	17.36 0.00 0.00	16.74 0.00 0.00	16.71 0.00 0.00	18.97 0.00 0.00	21.46 0.00 0.00	24.07 0.00 0.00	25.61 0.00 0.00	26.80 0.00 0.00	29.75 0.00 0.00	31.45 0.00 0.00	35.39 0.00 0.00	37.99 0.00 0.00	40.09 0.00 0.00	42.74 0.00 0.00	52.15 0.00 0.00	65.10 0.00 0.00	65.77 0.00 0.00	58.08 0.00 0.00	49.41 0.00 0.00	40.67 0.00 0.00	38.14 0.00 0.00	32.06 0.00 0.00
NYPA_BRENTWD____GT 24164	32.34 1.91 -9.43	29.07 1.82 -7.63	24.04 1.65 -5.03	24.02 1.54 -5.75	24.63 1.55 -6.37	27.85 1.73 -7.15	32.22 1.97 -8.78	33.05 2.43 -6.55	33.24 2.66 -4.97	33.43 2.74 -3.89	43.59 2.97 -10.87	44.34 2.96 -9.94	45.27 3.29 -6.58	46.24 3.30 -4.94	48.15 3.21 -4.85	65.29 3.12 -19.43	76.25 3.44 -20.66	95.66 4.17 -26.39	92.83 3.81 -23.25	77.16 3.08 -16.00	62.06 3.26 -9.38	65.97 2.77 -22.53	43.88 3.74 -2.00	35.47 3.40 -0.02



NYPA_GOWANUS____GT5 24156	22.43 1.43 0.00	20.98 1.37 0.00	18.56 1.20 0.00	17.79 1.05 0.00	17.76 1.05 0.00	20.11 1.14 0.00	22.71 1.24 0.00	25.85 1.78 0.00	27.66 2.05 0.00	28.95 2.14 0.00	32.13 2.38 0.00	33.87 2.42 0.00	38.19 2.80 0.00	40.80 2.81 0.00	42.78 2.69 0.00	45.26 2.52 -0.01	54.91 2.76 0.00	70.24 3.19 -1.95	70.34 2.70 -1.88	60.47 2.09 -0.31	52.18 2.77 0.00	42.62 1.95 0.00	40.58 2.44 0.00	34.40 2.34 0.00
NYPA_GOWANUS____GT6 24157	22.43 1.43 0.00	20.98 1.37 0.00	18.56 1.20 0.00	17.79 1.05 0.00	17.76 1.05 0.00	20.11 1.14 0.00	22.71 1.24 0.00	25.85 1.78 0.00	27.66 2.05 0.00	28.95 2.14 0.00	32.13 2.38 0.00	33.87 2.42 0.00	38.19 2.80 0.00	40.80 2.81 0.00	42.78 2.69 0.00	45.26 2.52 -0.01	54.91 2.76 0.00	70.24 3.19 -1.95	70.34 2.70 -1.88	60.47 2.09 -0.31	52.18 2.77 0.00	42.62 1.95 0.00	40.58 2.44 0.00	34.40 2.34 0.00
NYPA_HARLEM__RVR__GT1 24160	22.57 1.55 -0.01	21.13 1.51 -0.01	18.67 1.30 0.00	17.89 1.15 0.00	17.86 1.15 0.00	20.20 1.23 0.00	22.77 1.31 0.00	25.82 1.76 0.01	27.55 1.95 0.01	28.83 2.04 0.01	32.00 2.26 0.01	33.71 2.27 0.01	37.97 2.58 0.01	40.53 2.55 0.01	42.45 2.36 0.01	44.87 2.14 0.00	54.54 2.40 0.01	69.78 2.73 -1.95	69.94 2.30 -1.87	60.18 1.80 -0.30	51.73 2.32 0.01	42.29 1.63 0.01	40.51 2.37 0.00	34.40 2.34 0.00
NYPA_HARLEM__RVR__GT2 24161	22.57 1.55 -0.01	21.13 1.51 -0.01	18.67 1.30 0.00	17.89 1.15 0.00	17.86 1.15 0.00	20.20 1.23 0.00	22.77 1.31 0.00	25.82 1.76 0.01	27.55 1.95 0.01	28.83 2.04 0.01	32.00 2.26 0.01	33.71 2.27 0.01	37.97 2.58 0.01	40.53 2.55 0.01	42.45 2.36 0.01	44.87 2.14 0.00	54.54 2.40 0.01	69.78 2.73 -1.95	69.94 2.30 -1.87	60.18 1.80 -0.30	51.73 2.32 0.01	42.29 1.63 0.01	40.51 2.37 0.00	34.40 2.34 0.00
NYPA_KENT____GT 24152	22.43 1.43 0.00	20.98 1.37 0.00	18.58 1.22 0.00	17.82 1.09 0.00	17.79 1.09 0.00	20.14 1.18 0.00	22.75 1.29 0.00	25.88 1.81 0.00	27.66 2.05 0.00	28.92 2.12 0.00	32.10 2.35 0.00	33.84 2.39 0.00	38.16 2.76 0.00	40.76 2.77 0.00	42.70 2.60 0.00	45.18 2.43 -0.01	54.86 2.71 0.00	70.11 3.06 -1.96	70.28 2.63 -1.88	60.42 2.03 -0.31	52.08 2.67 0.00	42.58 1.91 0.00	40.55 2.40 0.00	34.37 2.31 0.00
NYPA_POUCH1____GT 24155	22.39 1.39 0.00	20.93 1.31 0.00	18.51 1.15 0.00	17.74 1.00 0.00	17.71 1.00 0.00	20.03 1.06 0.00	22.62 1.16 0.00	25.76 1.68 0.00	27.55 1.95 0.00	28.81 2.01 0.00	31.98 2.23 0.00	33.74 2.29 0.00	38.05 2.66 0.00	40.69 2.70 0.00	42.62 2.53 0.00	45.13 2.39 -0.01	54.70 2.55 0.00	69.99 2.93 -1.95	70.14 2.50 -1.88	60.30 1.91 -0.31	52.03 2.62 0.00	42.50 1.83 0.00	40.47 2.33 0.00	34.34 2.28 0.00
NYPA_VERNON____GT2 24162	22.43 1.43 0.00	20.98 1.37 0.00	18.58 1.22 0.00	17.84 1.10 0.00	17.81 1.10 0.00	20.16 1.20 0.00	22.80 1.33 0.00	25.90 1.83 0.00	27.66 2.05 0.00	28.92 2.12 0.00	32.10 2.35 0.00	33.84 2.39 0.00	38.12 2.73 0.00	40.72 2.74 0.00	42.62 2.53 0.00	45.09 2.35 -0.01	54.81 2.66 0.00	70.12 3.06 -1.96	70.21 2.56 -1.88	60.36 1.98 -0.31	52.03 2.62 0.00	42.50 1.83 0.00	40.51 2.37 0.00	34.30 2.24 0.00
NYPA_VERNON____GT3 24163	22.43 1.43 0.00	20.98 1.37 0.00	18.58 1.22 0.00	17.84 1.10 0.00	17.81 1.10 0.00	20.16 1.20 0.00	22.80 1.33 0.00	25.90 1.83 0.00	27.66 2.05 0.00	28.92 2.12 0.00	32.10 2.35 0.00	33.84 2.39 0.00	38.12 2.73 0.00	40.72 2.74 0.00	42.62 2.53 0.00	45.09 2.35 -0.01	54.81 2.66 0.00	70.12 3.06 -1.96	70.21 2.56 -1.88	60.36 1.98 -0.31	52.03 2.62 0.00	42.50 1.83 0.00	40.51 2.37 0.00	34.30 2.24 0.00
NYPA____ASTORIA_CC1 323568	22.41 1.41 0.00	20.98 1.37 0.00	18.58 1.22 0.00	17.82 1.09 0.00	17.79 1.09 0.00	20.14 1.18 0.00	22.75 1.29 0.00	25.85 1.78 0.00	27.61 2.00 0.00	28.87 2.06 0.00	32.04 2.29 0.00	33.78 2.33 0.00	38.05 2.66 0.00	40.65 2.66 0.00	42.54 2.45 0.00	44.96 2.22 -0.01	54.64 2.50 0.01	69.84 2.80 -1.95	69.94 2.30 -1.87	60.18 1.80 -0.30	51.83 2.42 0.00	42.42 1.75 0.00	40.43 2.29 0.00	34.27 2.21 0.00
NYPA____ASTORIA_CC2 323569	22.41 1.41 0.00	20.98 1.37 0.00	18.58 1.22 0.00	17.82 1.09 0.00	17.79 1.09 0.00	20.14 1.18 0.00	22.75 1.29 0.00	25.85 1.78 0.00	27.61 2.00 0.00	28.87 2.06 0.00	32.04 2.29 0.00	33.78 2.33 0.00	38.05 2.66 0.00	40.65 2.66 0.00	42.54 2.45 0.00	44.96 2.22 -0.01	54.64 2.50 0.01	69.84 2.80 -1.95	69.94 2.30 -1.87	60.18 1.80 -0.30	51.83 2.42 0.00	42.42 1.75 0.00	40.43 2.29 0.00	34.27 2.21 0.00
NYPA____HOLTSVILL 23794	32.28 1.85 -9.43	29.01 1.77 -7.63	23.97 1.58 -5.03	23.95 1.47 -5.75	24.58 1.50 -6.37	27.77 1.65 -7.15	32.14 1.89 -8.78	32.91 2.29 -6.55	33.09 2.51 -4.97	33.24 2.55 -3.89	43.35 2.74 -10.87	44.12 2.73 -9.94	45.06 3.08 -6.58	46.01 3.08 -4.94	47.94 2.97 -4.88	65.52 2.91 -19.87	77.06 3.55 -21.36	97.07 4.43 -27.54	94.05 4.01 -24.27	78.00 3.25 -16.67	62.51 3.36 -9.74	66.26 2.61 -22.98	43.61 3.47 -2.00	35.28 3.21 -0.02
NYPA____HELLGATE_GT1 24158	22.57 1.55 -0.01	21.13 1.51 -0.01	18.67 1.30 0.00	17.89 1.15 0.00	17.86 1.15 0.00	20.20 1.23 0.00	22.77 1.31 0.00	25.82 1.76 0.01	27.55 1.95 0.01	28.83 2.04 0.01	32.00 2.26 0.01	33.71 2.27 0.01	37.97 2.58 0.01	40.53 2.55 0.01	42.45 2.36 0.01	44.87 2.14 0.00	54.54 2.40 0.01	69.78 2.73 -1.95	69.94 2.30 -1.87	60.18 1.80 -0.30	51.73 2.32 0.01	42.29 1.63 0.01	40.51 2.37 0.00	34.40 2.34 0.00
NYPA____HELLGATE_GT2 24159	22.57 1.55 -0.01	21.13 1.51 -0.01	18.67 1.30 0.00	17.89 1.15 0.00	17.86 1.15 0.00	20.20 1.23 0.00	22.77 1.31 0.00	25.82 1.76 0.01	27.55 1.95 0.01	28.83 2.04 0.01	32.00 2.26 0.01	33.71 2.27 0.01	37.97 2.58 0.01	40.53 2.55 0.01	42.45 2.36 0.01	44.87 2.14 0.00	54.54 2.40 0.01	69.78 2.73 -1.95	69.94 2.30 -1.87	60.18 1.80 -0.30	51.73 2.32 0.01	42.29 1.63 0.01	40.51 2.37 0.00	34.40 2.34 0.00
NYS_BARGE____HYD 23848	20.12 -0.88 0.00	18.79 -0.82 0.00	16.60 -0.76 0.00	16.13 -0.60 0.00	16.14 -0.57 0.00	18.57 -0.40 0.00	21.31 -0.15 0.00	23.49 -0.58 0.00	25.35 -0.26 0.00	27.37 0.56 0.00	30.73 0.98 0.00	32.58 1.13 0.00	36.77 1.38 0.00	40.15 2.16 0.00	42.90 2.81 0.00	45.98 3.25 0.00	56.32 4.17 0.00	70.11 5.01 0.00	70.58 4.80 -0.02	62.80 4.70 -0.02	52.97 3.56 0.00	43.72 3.05 0.00	41.04 2.90 0.00	33.76 1.70 0.00
OAK ORCHARD____HYD 24046	20.60 -0.40 0.00	19.20 -0.41 0.00	16.97 -0.40 0.00	16.40 -0.33 0.00	16.41 -0.30 0.00	18.78 -0.19 0.00	21.42 -0.04 0.00	23.93 -0.14 0.00	25.66 0.05 0.00	27.39 0.59 0.00	30.67 0.92 0.00	32.52 1.07 0.00	36.63 1.24 0.00	39.74 1.75 0.00	42.30 2.20 0.00	45.34 2.61 0.00	55.64 3.49 0.00	69.33 4.23 0.00	69.93 4.15 -0.02	62.46 4.36 -0.02	52.43 3.01 0.00	43.15 2.48 0.00	40.31 2.17 0.00	33.28 1.22 0.00



OAKDALE___35_KV_LOAD 356122	21.05 0.04 0.00	19.65 0.04 0.00	17.40 0.03 0.00	16.80 0.07 0.00	16.79 0.08 0.00	19.12 0.15 0.00	21.72 0.26 0.00	24.29 0.22 0.00	25.98 0.36 -0.01	27.57 0.62 -0.15	30.69 0.80 -0.14	32.59 0.88 -0.25	36.98 1.06 -0.52	39.94 1.25 -0.70	42.49 1.56 -0.84	45.54 1.79 -1.01	56.13 2.35 -1.64	70.33 2.67 -2.57	70.98 2.50 -2.71	62.61 2.27 -2.26	52.90 1.98 -1.51	43.17 1.59 -0.91	40.22 1.33 -0.75	33.41 1.03 -0.32
OCC_CHEM___DRP 24175	19.66 -1.34 0.00	18.38 -1.24 0.00	16.22 -1.15 0.00	15.77 -0.97 0.00	15.75 -0.95 0.00	18.13 -0.83 0.00	20.80 -0.67 0.00	22.72 -1.35 0.00	24.71 -0.90 0.00	26.67 -0.13 0.00	29.75 0.00 0.00	31.70 0.25 0.00	35.68 0.28 0.00	38.86 0.87 0.00	41.66 1.56 0.00	44.62 1.88 0.00	54.60 2.45 0.00	67.83 2.73 0.00	68.15 2.37 -0.02	60.37 2.27 -0.02	51.09 1.68 0.00	42.18 1.50 0.00	39.32 1.18 0.00	32.77 0.71 0.00
OH_GEN_PROXY 24063	19.93 -1.07 0.00	18.63 -0.98 0.00	16.44 -0.92 0.00	15.97 -0.77 0.00	15.97 -0.73 0.00	18.36 -0.61 0.00	21.03 -0.43 0.00	23.21 -0.87 0.00	24.99 -0.61 0.00	26.94 0.13 0.00	30.23 0.47 0.00	32.02 0.57 0.00	36.14 0.74 0.00	39.35 1.37 0.00	42.06 1.96 0.00	45.04 2.31 0.00	55.23 3.08 0.00	68.61 3.51 0.00	69.14 3.35 -0.02	61.53 3.43 -0.02	51.79 2.37 0.00	44.34 2.07 -1.59	38.57 2.02 1.59	33.09 1.03 0.00
OLIN_CORP_DRP 24177	19.85 -1.16 0.00	18.55 -1.06 0.00	16.37 -0.99 0.00	15.92 -0.82 0.00	15.92 -0.79 0.00	18.32 -0.64 0.00	21.01 -0.45 0.00	22.97 -1.11 0.00	24.94 -0.67 0.00	26.91 0.11 0.00	30.05 0.30 0.00	32.02 0.57 0.00	36.07 0.67 0.00	39.28 1.29 0.00	42.10 2.00 0.00	45.13 2.39 0.00	55.28 3.13 0.00	68.74 3.65 0.00	69.01 3.22 -0.02	61.12 3.02 -0.02	51.79 2.37 0.00	42.71 2.03 0.00	39.78 1.64 0.00	33.15 1.09 0.00
OLIN_CORP_DSASP 323712	19.66 -1.34 0.00	18.38 -1.23 0.00	16.22 -1.15 0.00	15.76 -0.97 0.00	15.75 -0.95 0.00	18.13 -0.83 0.00	20.80 -0.67 0.00	22.89 -1.18 0.00	24.71 -0.90 0.00	26.67 -0.13 0.00	29.93 0.18 0.00	31.70 0.25 0.00	35.78 0.39 0.00	39.01 1.03 0.00	41.70 1.61 0.00	44.61 1.88 0.00	54.60 2.45 0.00	67.83 2.73 0.00	68.35 2.56 -0.02	60.89 2.79 -0.02	51.24 1.83 0.00	42.34 1.67 0.00	39.82 1.68 0.00	32.80 0.74 0.00
ONEIDA_HERK_LFGE 323681	21.32 0.32 0.00	19.91 0.29 0.00	17.59 0.23 0.00	16.89 0.22 0.07	16.96 0.25 0.00	19.27 0.34 0.04	21.96 0.49 0.00	24.70 0.62 0.00	26.33 0.72 -0.01	27.64 0.75 -0.09	30.73 0.89 -0.08	32.55 0.94 -0.16	36.77 1.06 -0.32	39.67 1.25 -0.43	41.92 1.32 -0.51	44.89 1.54 -0.62	55.18 2.03 -1.00	69.49 2.86 -1.53	70.55 3.22 -1.56	62.40 3.02 -1.30	52.93 2.62 -0.90	43.13 1.91 -0.54	40.19 1.60 -0.45	33.50 1.25 -0.19
ONEIDA___115KV_TB4 55905	21.51 0.50 0.00	20.10 0.49 0.00	17.76 0.40 0.00	17.12 0.38 0.00	17.12 0.42 0.00	19.48 0.51 0.00	22.13 0.67 0.00	24.82 0.75 0.00	26.49 0.87 -0.01	27.89 0.96 -0.13	31.00 1.13 -0.12	32.86 1.20 -0.21	37.24 1.42 -0.43	40.21 1.63 -0.58	42.60 1.80 -0.70	45.63 2.05 -0.84	56.23 2.71 -1.37	70.78 3.58 -2.10	71.79 3.88 -2.15	63.46 3.60 -1.78	53.76 3.11 -1.24	43.78 2.36 -0.75	40.73 1.98 -0.61	33.86 1.54 -0.26
ONONDAGA_REF_OCCRA 23987	20.84 -0.17 0.00	19.43 -0.18 0.00	17.21 -0.16 0.00	16.59 -0.15 0.00	16.57 -0.13 0.00	18.85 -0.11 0.00	21.38 -0.09 0.00	23.95 -0.12 0.00	25.52 -0.10 -0.02	27.14 0.05 -0.28	30.16 0.15 -0.26	32.09 0.16 -0.48	36.63 0.25 -0.99	39.62 0.30 -1.33	42.16 0.48 -1.59	45.21 0.56 -1.91	56.04 0.78 -3.11	70.78 0.91 -4.77	71.57 0.92 -4.88	63.06 0.93 -4.05	52.97 0.74 -2.81	42.94 0.57 -1.70	39.87 0.34 -1.39	32.88 0.22 -0.60
ONONDAGA___COGEN 23986	20.94 -0.06 0.00	19.55 -0.06 0.00	17.31 -0.05 0.00	16.69 -0.05 0.00	16.67 -0.03 0.00	18.97 0.00 0.00	21.51 0.04 0.00	24.07 0.00 0.00	25.66 0.03 -0.03	27.41 0.19 -0.42	30.44 0.30 -0.39	32.51 0.35 -0.72	37.28 0.42 -1.47	40.49 0.53 -1.97	43.21 0.76 -2.36	46.43 0.85 -2.84	57.91 1.15 -4.61	73.62 1.43 -7.09	74.40 1.38 -7.25	65.49 1.39 -6.02	54.73 1.14 -4.18	44.09 0.89 -2.52	40.85 0.65 -2.06	33.37 0.42 -0.89
ONTARIO___LFGE 23819	20.92 -0.08 0.00	19.49 -0.12 0.00	17.24 -0.12 0.00	16.67 -0.07 0.00	16.67 -0.03 0.00	19.08 0.11 0.00	21.79 0.32 0.00	24.39 0.31 0.00	26.13 0.51 -0.01	27.91 0.96 -0.14	31.19 1.31 -0.13	33.11 1.42 -0.24	37.58 1.70 -0.49	40.81 2.16 -0.66	43.53 2.65 -0.79	46.72 3.03 -0.95	57.81 4.12 -1.54	72.72 5.27 -2.35	73.64 5.46 -2.42	65.20 5.11 -2.01	54.76 3.95 -1.39	44.64 3.13 -0.84	41.49 2.67 -0.68	34.05 1.70 -0.29
ORANGEVILLE_WT_PWR 323706	20.21 -0.80 0.00	18.85 -0.77 0.00	16.67 -0.70 0.00	16.18 -0.55 0.00	16.22 -0.49 0.00	18.61 -0.36 0.00	21.36 -0.11 0.00	23.66 -0.41 0.00	25.53 -0.08 0.00	27.50 0.70 0.00	30.88 1.13 0.00	32.71 1.26 0.00	36.99 1.59 0.00	40.27 2.28 0.00	42.94 2.85 0.00	45.98 3.25 0.00	56.53 4.38 0.00	70.44 5.34 0.00	71.06 5.26 -0.03	62.76 4.65 -0.03	53.22 3.81 0.00	43.85 3.17 0.00	41.08 2.94 0.00	33.89 1.83 0.00
ORANGEVILLE___ESR 323794	20.21 -0.80 0.00	18.85 -0.77 0.00	16.67 -0.70 0.00	16.18 -0.55 0.00	16.22 -0.49 0.00	18.61 -0.36 0.00	21.36 -0.11 0.00	23.66 -0.41 0.00	25.53 -0.08 0.00	27.50 0.70 0.00	30.88 1.13 0.00	32.71 1.26 0.00	36.99 1.59 0.00	40.27 2.28 0.00	42.94 2.85 0.00	45.98 3.25 0.00	56.53 4.38 0.00	70.44 5.34 0.00	71.06 5.26 -0.03	62.76 4.65 -0.03	53.22 3.81 0.00	43.85 3.17 0.00	41.08 2.94 0.00	33.89 1.83 0.00
OSWEGATCHIE___HYD 24044	20.73 -0.27 0.00	19.34 -0.27 0.00	17.10 -0.26 0.00	15.91 -0.25 0.57	16.48 -0.22 0.00	18.45 -0.19 0.33	21.31 -0.15 0.00	23.85 -0.22 0.00	25.41 -0.21 -0.01	26.62 -0.32 -0.14	29.56 -0.33 -0.13	31.60 -0.09 -0.24	35.64 -0.25 -0.49	38.30 -0.34 -0.66	40.32 -0.56 -0.79	43.34 -0.34 -0.95	53.22 -0.47 -1.54	67.47 0.00 -2.37	68.78 0.59 -2.42	60.84 0.75 -2.01	50.81 0.00 -1.40	41.48 -0.04 -0.84	38.79 -0.04 -0.69	32.29 -0.06 -0.30
OSWEGO___5 23606	20.63 -0.38 0.00	19.26 -0.35 0.00	17.05 -0.31 0.00	16.44 -0.30 0.00	16.42 -0.28 0.00	18.68 -0.28 0.00	21.14 -0.32 0.00	23.66 -0.41 0.00	25.27 -0.46 -0.12	28.19 -0.38 -1.76	31.06 -0.33 -1.63	34.10 -0.35 -2.99	41.16 -0.35 -6.12	45.91 -0.31 -8.23	49.71 -0.24 -9.86	54.39 -0.21 -11.87	71.25 -0.16 -19.26	94.52 -0.26 -29.68	95.88 -0.20 -30.31	83.17 -0.06 -25.15	66.82 -0.10 -17.50	51.11 -0.12 -10.56	46.61 -0.15 -8.62	35.52 -0.26 -3.72
OSWEGO___6 23613	20.63 -0.38 0.00	19.26 -0.35 0.00	17.05 -0.31 0.00	16.44 -0.30 0.00	16.42 -0.28 0.00	18.68 -0.28 0.00	21.14 -0.32 0.00	23.66 -0.41 0.00	25.27 -0.46 -0.12	28.19 -0.38 -1.76	31.06 -0.33 -1.63	34.10 -0.35 -2.99	41.16 -0.35 -6.12	45.91 -0.31 -8.23	49.71 -0.24 -9.86	54.39 -0.21 -11.87	71.25 -0.16 -19.26	94.52 -0.26 -29.68	95.88 -0.20 -30.31	83.17 -0.06 -25.15	66.82 -0.10 -17.50	51.11 -0.12 -10.56	46.61 -0.15 -8.62	35.52 -0.26 -3.72



OUTOKUMPU-AB___DRP 24206	20.19 -0.82 0.00	18.87 -0.75 0.00	16.65 -0.71 0.00	16.22 -0.52 0.00	16.22 -0.48 0.00	18.66 -0.30 0.00	21.42 -0.04 0.00	23.42 -0.65 0.00	25.51 -0.10 0.00	27.53 0.72 0.00	30.79 1.04 0.00	32.80 1.35 0.00	36.95 1.56 0.00	40.34 2.36 0.00	43.22 3.13 0.00	46.16 3.42 0.00	56.53 4.38 0.00	70.31 5.21 0.00	70.52 4.74 -0.02	62.52 4.41 -0.02	52.97 3.56 0.00	43.76 3.09 0.00	40.77 2.63 0.00	33.95 1.89 0.00
OXBOW___BTM 323836	19.95 -1.05 0.00	18.63 -0.98 0.00	16.46 -0.90 0.00	16.00 -0.74 0.00	16.01 -0.70 0.00	18.42 -0.55 0.00	21.14 -0.32 0.00	23.28 -0.79 0.00	25.15 -0.46 0.00	27.15 0.35 0.00	30.49 0.74 0.00	32.33 0.88 0.00	36.53 1.13 0.00	39.85 1.86 0.00	42.62 2.53 0.00	45.51 2.78 0.00	55.74 3.60 0.00	69.27 4.17 0.00	69.73 3.95 -0.02	62.05 3.95 -0.02	52.33 2.91 0.00	43.31 2.64 0.00	40.66 2.52 0.00	33.47 1.41 0.00
OXBOW___ 24026	19.95 -1.05 0.00	18.63 -0.98 0.00	16.46 -0.90 0.00	16.00 -0.74 0.00	16.00 -0.70 0.00	18.42 -0.55 0.00	21.14 -0.32 0.00	23.11 -0.96 0.00	25.15 -0.46 0.00	27.15 0.35 0.00	30.32 0.57 0.00	32.33 0.88 0.00	36.42 1.03 0.00	39.70 1.71 0.00	42.58 2.49 0.00	45.51 2.78 0.00	55.75 3.60 0.00	69.27 4.17 0.00	69.54 3.75 -0.02	61.65 3.54 -0.02	52.18 2.77 0.00	43.07 2.40 0.00	40.12 1.98 0.00	33.44 1.38 0.00
OXY_CHEM_DSASP 323612	19.66 -1.34 0.00	18.38 -1.24 0.00	16.22 -1.15 0.00	15.77 -0.97 0.00	15.75 -0.95 0.00	18.13 -0.83 0.00	20.80 -0.67 0.00	22.72 -1.35 0.00	24.71 -0.90 0.00	26.67 -0.13 0.00	29.75 0.00 0.00	31.70 0.25 0.00	35.68 0.28 0.00	38.86 0.87 0.00	41.66 1.56 0.00	44.62 1.88 0.00	54.60 2.45 0.00	67.83 2.73 0.00	68.15 2.37 -0.02	60.37 2.27 -0.02	51.09 1.68 0.00	42.18 1.50 0.00	39.32 1.18 0.00	32.77 0.71 0.00
OZONE_PARK_ESR 323760	22.56 1.55 0.00	21.10 1.49 0.00	18.68 1.32 0.00	17.94 1.20 0.00	17.91 1.20 0.00	20.31 1.35 0.00	22.99 1.52 0.00	26.14 2.07 0.00	27.89 2.28 0.00	29.19 2.39 0.00	32.37 2.62 0.00	34.12 2.67 0.00	38.47 3.08 0.00	41.10 3.12 0.00	43.10 3.01 0.00	45.65 2.91 -0.01	55.54 3.39 0.00	70.70 3.65 -1.95	70.93 3.29 -1.88	61.23 2.85 -0.31	52.63 3.21 0.00	42.99 2.32 0.00	40.85 2.71 0.00	34.53 2.47 0.00
PACKARD_115_KV_ADAMS_187_REV_LBMP_A 345013	19.66 -1.34 0.00	18.38 -1.24 0.00	16.22 -1.15 0.00	15.77 -0.97 0.00	15.75 -0.95 0.00	18.13 -0.83 0.00	20.80 -0.67 0.00	22.72 -1.35 0.00	24.71 -0.90 0.00	26.67 -0.13 0.00	29.75 0.00 0.00	31.70 0.25 0.00	35.68 0.28 0.00	38.86 0.87 0.00	41.66 1.56 0.00	44.62 1.88 0.00	54.60 2.45 0.00	67.83 2.73 0.00	68.15 2.37 -0.02	60.37 2.27 -0.02	51.09 1.68 0.00	42.18 1.50 0.00	39.32 1.18 0.00	32.77 0.71 0.00
PACKARD___115KV_DUPONT_184 80571	19.66 -1.34 0.00	18.38 -1.24 0.00	16.22 -1.15 0.00	15.77 -0.97 0.00	15.75 -0.95 0.00	18.13 -0.83 0.00	20.80 -0.67 0.00	22.72 -1.35 0.00	24.71 -0.90 0.00	26.67 -0.13 0.00	29.75 0.00 0.00	31.70 0.25 0.00	35.68 0.28 0.00	38.86 0.87 0.00	41.66 1.56 0.00	44.62 1.88 0.00	54.60 2.45 0.00	67.83 2.73 0.00	68.15 2.37 -0.02	60.37 2.27 -0.02	51.09 1.68 0.00	42.18 1.50 0.00	39.32 1.18 0.00	32.77 0.71 0.00
PARKCHTR_138_KV_TB2S_REV_LBMP_J 345007	22.50 1.49 -0.01	21.07 1.45 -0.01	18.61 1.25 0.00	17.86 1.12 0.00	17.83 1.12 0.00	20.14 1.18 0.00	22.71 1.24 0.00	25.78 1.71 0.00	27.50 1.89 0.00	28.76 1.96 0.00	31.92 2.17 0.00	33.65 2.20 0.00	37.94 2.55 0.00	40.53 2.55 0.00	42.38 2.29 0.00	44.79 2.05 -0.01	54.33 2.19 0.01	69.26 2.21 -1.95	69.48 1.84 -1.87	59.95 1.57 -0.30	51.44 2.03 0.00	42.14 1.46 0.00	40.51 2.36 0.00	34.27 2.21 0.00
PARKCHTR_13_KV_CPCTY_REV_LBMP_J 345019	22.69 1.68 -0.01	21.25 1.63 -0.01	18.79 1.42 0.00	17.99 1.26 0.00	17.96 1.25 0.00	20.35 1.38 0.00	22.92 1.46 0.00	26.02 1.95 0.00	27.76 2.15 0.00	29.03 2.22 0.00	32.19 2.44 0.00	33.97 2.52 0.00	38.30 2.90 0.00	40.91 2.93 0.00	42.78 2.69 0.00	45.26 2.52 -0.01	54.96 2.82 0.01	70.04 2.99 -1.95	70.27 2.63 -1.87	60.64 2.27 -0.30	52.08 2.67 0.00	42.58 1.91 0.00	40.93 2.78 0.00	34.59 2.53 0.00
PATROON___115KV_TB1 80586	21.74 0.74 0.00	20.34 0.73 0.00	18.01 0.64 0.00	17.34 0.60 0.00	17.29 0.58 0.00	19.57 0.61 0.00	22.15 0.69 0.00	24.84 0.77 0.00	26.48 0.87 0.00	27.53 0.72 0.00	30.41 0.65 0.00	31.98 0.53 0.00	36.03 0.64 0.00	38.60 0.61 0.00	40.73 0.64 0.00	43.33 0.60 0.01	52.83 0.68 0.00	63.94 0.59 1.74	64.54 0.46 1.68	58.32 0.52 0.28	50.16 0.74 0.00	41.44 0.77 0.00	38.94 0.80 0.00	32.80 0.74 0.00
PATTRSNVILLE___SOLAR 323815	21.89 0.88 0.00	20.43 0.82 0.00	18.09 0.73 0.00	17.42 0.69 0.00	17.39 0.69 0.00	19.73 0.76 0.00	22.37 0.90 0.00	25.06 0.99 0.00	26.68 1.08 0.00	27.85 1.04 0.00	30.79 1.04 0.00	32.49 1.04 0.00	36.56 1.17 0.00	39.24 1.25 0.00	41.41 1.32 0.00	44.23 1.50 0.00	53.92 1.77 0.00	65.82 2.15 1.43	66.62 2.24 1.39	59.93 2.09 0.24	51.49 2.08 0.00	42.42 1.75 0.00	39.78 1.64 0.00	33.47 1.41 0.00
PAVMNTRD_115_KV_BK1_REV_LBMP_A 345030	20.48 -0.53 0.00	19.10 -0.51 0.00	16.90 -0.47 0.00	16.45 -0.28 0.00	16.46 -0.25 0.00	18.89 -0.08 0.00	21.70 0.24 0.00	23.74 -0.34 0.00	25.79 0.18 0.00	27.82 1.02 0.00	31.15 1.40 0.00	33.18 1.73 0.00	37.45 2.05 0.00	40.80 2.81 0.00	43.70 3.61 0.00	46.88 4.15 0.00	57.52 5.37 0.00	71.41 6.31 0.00	71.51 5.72 -0.02	62.75 4.65 -0.02	53.66 4.25 0.00	44.13 3.46 0.00	41.00 2.86 0.00	34.34 2.28 0.00
PAWLING_115_KV_BK3_REV_LBMP_H 345028	22.43 1.43 0.00	20.94 1.33 0.00	18.54 1.18 0.00	17.81 1.07 0.00	17.78 1.07 0.00	20.14 1.18 0.00	22.79 1.33 0.00	25.81 1.73 0.00	27.53 1.92 0.00	28.79 1.98 0.00	32.07 2.32 0.00	33.84 2.39 0.00	38.12 2.73 0.00	40.80 2.81 0.00	42.94 2.85 0.00	45.61 2.86 -0.01	55.59 3.44 0.00	70.57 3.78 -1.70	71.01 3.62 -1.63	61.37 3.02 -0.26	52.63 3.21 0.00	43.03 2.36 0.00	40.58 2.44 0.00	34.21 2.15 0.00
PEEKSKILL___ 23653	22.22 1.22 0.00	20.77 1.16 0.00	18.41 1.04 0.00	17.71 0.97 0.00	17.66 0.95 0.00	20.01 1.04 0.00	22.64 1.18 0.00	25.64 1.56 0.00	27.35 1.74 0.00	28.60 1.80 0.00	31.77 2.02 0.00	33.46 2.01 0.00	37.66 2.27 0.00	40.23 2.24 0.00	42.26 2.16 0.00	44.84 2.09 -0.01	54.70 2.55 0.00	69.87 2.86 -1.91	70.04 2.43 -1.84	60.29 1.91 -0.30	51.79 2.37 0.00	42.38 1.71 0.00	40.05 1.91 0.00	33.95 1.89 0.00
PGE MADISON___WINDPWR 24146	22.12 1.11 0.00	20.69 1.08 0.00	18.16 0.80 0.00	17.51 0.77 0.00	17.51 0.80 0.00	19.99 1.02 0.00	22.88 1.42 0.00	26.43 2.36 0.00	28.46 2.84 -0.01	30.10 3.19 -0.11	33.78 3.93 -0.10	36.01 4.37 -0.19	40.95 5.17 -0.38	44.62 6.12 -0.52	47.29 6.58 -0.62	50.84 7.35 -0.75	63.16 9.80 -1.21	77.04 9.18 -2.76	78.69 9.99 -2.94	69.71 9.17 -2.46	58.94 7.90 -1.63	47.59 5.94 -0.98	43.98 5.03 -0.80	36.22 3.81 -0.35



PIERCEFIELD___HYD 23852	20.50 -0.50 0.00	19.12 -0.49 0.00	16.92 -0.43 0.01	15.44 -0.44 0.86	16.28 -0.42 0.01	18.00 -0.47 0.50	20.92 -0.54 0.01	23.25 -0.82 0.01	24.74 -0.87 0.00	25.80 -1.07 -0.07	28.66 -1.16 -0.07	30.72 -0.85 -0.12	34.51 -1.13 -0.25	36.89 -1.44 -0.34	38.62 -1.88 -0.41	41.60 -1.62 -0.49	51.12 -1.83 -0.80	64.89 -1.43 -1.22	66.16 -0.85 -1.25	58.19 -0.93 -1.03	48.16 -1.98 -0.72	39.48 -1.63 -0.43	37.20 -1.30 -0.35	31.22 -0.99 -0.15
PINELAWN_CC_1 323563	32.26 1.83 -9.43	28.99 1.74 -7.63	23.95 1.56 -5.03	23.94 1.46 -5.75	24.53 1.45 -6.37	27.75 1.63 -7.15	32.11 1.87 -8.78	32.96 2.33 -6.55	33.11 2.54 -4.97	33.32 2.63 -3.89	43.45 2.83 -10.87	44.19 2.80 -9.94	45.13 3.15 -6.58	46.12 3.19 -4.94	48.14 3.13 -4.92	66.44 3.21 -20.49	78.41 3.91 -22.35	98.96 4.69 -29.17	95.82 4.34 -25.71	79.24 3.54 -17.61	63.36 3.71 -10.24	67.14 2.85 -23.62	43.58 3.43 -2.00	35.22 3.14 -0.02
PJM_GEN_HTP_PROXY 323702	22.37 1.36 0.00	20.93 1.31 0.00	18.55 1.18 0.00	17.82 1.09 0.00	17.79 1.09 0.00	20.16 1.20 0.00	22.82 1.35 0.00	25.90 1.83 0.00	27.63 2.02 0.00	28.89 2.09 0.00	32.07 2.32 0.00	33.78 2.33 0.00	38.05 2.66 0.00	40.65 2.66 0.00	42.66 2.57 0.00	45.18 2.43 -0.01	55.07 2.92 0.00	70.37 3.32 -1.95	70.47 2.83 -1.88	60.65 2.26 -0.31	52.18 2.77 0.00	44.22 1.95 -1.59	38.80 2.25 1.59	34.24 2.18 0.00
PJM_GEN_KEystone 24065	21.21 0.21 0.00	19.81 0.20 0.00	17.56 0.19 0.00	16.97 0.23 0.00	16.94 0.23 0.00	19.25 0.28 0.00	21.92 0.45 0.00	24.58 0.51 0.00	26.32 0.72 0.00	27.82 1.02 0.00	31.06 1.31 0.00	32.77 1.32 0.00	36.95 1.56 0.00	39.77 1.79 0.00	42.06 1.96 0.00	44.88 2.14 0.00	54.96 2.81 0.00	68.95 3.12 -0.72	68.96 2.76 -0.44	59.84 2.15 0.39	51.17 2.17 0.41	43.97 1.71 -1.59	38.34 1.79 1.59	33.47 1.41 0.00
PJM_GEN_NEPTUNE_PROXY 323594	27.81 1.60 -5.21	25.36 1.53 -4.22	21.51 1.37 -2.78	21.18 1.27 -3.17	21.49 1.27 -3.52	24.34 1.42 -3.95	27.93 1.61 -4.85	29.74 2.05 -3.62	30.61 2.25 -2.74	31.26 2.31 -2.15	38.25 2.50 -6.00	39.42 2.48 -5.49	41.79 2.76 -3.64	43.49 2.77 -2.73	45.52 2.69 -2.74	57.05 2.65 -11.66	68.22 3.18 -12.89	86.69 3.71 -17.88	84.95 3.35 -15.83	71.13 2.67 -10.38	58.36 3.01 -5.93	57.94 2.28 -14.99	41.22 2.67 -0.41	34.61 2.53 -0.02
PJM_GEN_VFT_PROXY 323633	22.31 1.30 0.00	20.89 1.27 0.00	18.53 1.16 0.00	17.79 1.05 0.00	17.76 1.05 0.00	20.14 1.18 0.00	22.75 1.29 0.00	25.85 1.78 0.00	27.58 1.97 0.00	28.84 2.04 0.00	32.04 2.29 0.00	33.74 2.29 0.00	37.98 2.58 0.00	40.53 2.55 0.00	42.42 2.32 0.00	44.88 2.14 -0.01	54.65 2.50 0.00	65.51 2.73 2.32	61.93 2.30 6.14	52.17 1.80 7.71	45.87 2.37 5.92	43.97 1.71 -1.59	38.65 2.10 1.59	34.11 2.05 0.00
PLATSBURG_115KV_PMLD1 355749	20.86 -0.15 0.00	19.30 -0.31 0.00	16.99 -0.36 0.01	15.18 -0.49 1.07	16.30 -0.40 0.01	17.80 -0.55 0.62	20.94 -0.52 0.01	23.61 -0.46 0.01	24.99 -0.61 0.00	26.05 -0.75 0.00	29.22 -0.54 0.00	31.17 -0.28 0.00	35.04 -0.35 0.00	37.57 -0.42 0.00	39.57 -0.52 0.00	42.22 -0.51 0.00	51.73 -0.42 0.00	65.23 0.13 0.00	66.75 0.99 0.00	58.89 0.81 0.00	49.22 -0.20 0.00	40.18 -0.49 0.00	37.42 -0.72 0.00	31.26 -0.80 0.00
PLEASANTVLY___LBMP 24000	22.14 1.13 0.00	20.69 1.08 0.00	18.34 0.97 0.00	17.64 0.90 0.00	17.61 0.90 0.00	19.95 0.99 0.00	22.56 1.09 0.00	25.49 1.42 0.00	27.14 1.54 0.00	28.33 1.53 0.00	31.45 1.70 0.00	33.12 1.67 0.00	37.27 1.88 0.00	39.81 1.82 0.00	41.86 1.76 0.00	44.37 1.62 -0.01	54.03 1.88 0.00	69.15 1.82 -2.22	69.42 1.51 -2.14	59.77 1.34 -0.35	51.14 1.73 0.00	42.01 1.34 0.00	39.70 1.56 0.00	33.60 1.54 0.00
PLSNTVLE_13_KV_13.8KVDIST 80602	22.29 1.28 0.00	20.85 1.24 0.00	18.46 1.09 0.00	17.74 1.00 0.00	17.71 1.00 0.00	20.09 1.12 0.00	22.73 1.27 0.00	25.76 1.69 0.00	27.45 1.84 0.00	28.68 1.88 0.00	31.86 2.11 0.00	33.56 2.11 0.00	37.80 2.41 0.00	40.38 2.39 0.00	42.42 2.33 0.00	45.01 2.27 -0.01	54.76 2.61 0.00	69.81 2.73 -1.98	70.03 2.37 -1.90	60.42 2.03 -0.31	51.79 2.37 0.00	42.46 1.79 0.00	40.20 2.06 0.00	33.98 1.92 0.00
PLSNTVLE_13_KV_13KVDSA_REV_LBMP_I 345020	22.29 1.28 0.00	20.85 1.24 0.00	18.46 1.09 0.00	17.74 1.00 0.00	17.71 1.00 0.00	20.09 1.12 0.00	22.73 1.27 0.00	25.76 1.69 0.00	27.45 1.84 0.00	28.68 1.88 0.00	31.86 2.11 0.00	33.56 2.11 0.00	37.80 2.41 0.00	40.38 2.39 0.00	42.42 2.33 0.00	45.01 2.27 -0.01	54.76 2.61 0.00	69.81 2.73 -1.98	70.03 2.37 -1.90	60.42 2.03 -0.31	51.79 2.37 0.00	42.46 1.79 0.00	40.20 2.06 0.00	33.98 1.92 0.00
PLSTVYCH_69_KV_RQ-3_RG2_REV_LBMP_G 345023	22.29 1.28 0.00	20.81 1.20 0.00	18.42 1.06 0.00	17.71 0.97 0.00	17.69 0.99 0.00	20.03 1.06 0.00	22.67 1.20 0.00	25.61 1.54 0.00	27.30 1.69 0.00	28.49 1.69 0.00	31.68 1.93 0.00	33.34 1.89 0.00	37.55 2.16 0.00	40.15 2.17 0.00	42.26 2.16 0.00	44.87 2.14 0.00	54.76 2.61 0.00	67.51 2.80 0.39	67.89 2.50 0.38	60.22 2.21 0.07	51.84 2.42 0.00	42.54 1.87 0.00	40.09 1.95 0.00	33.89 1.83 0.00
POLETTI_____ 23519	22.37 1.37 0.00	20.94 1.33 0.00	18.54 1.18 0.00	17.82 1.09 0.00	17.79 1.09 0.00	20.16 1.19 0.00	22.79 1.33 0.00	25.90 1.83 0.00	27.61 2.00 0.00	28.87 2.06 0.00	32.01 2.26 0.00	33.75 2.30 0.00	38.01 2.62 0.00	40.61 2.62 0.00	42.58 2.49 0.00	45.09 2.35 -0.01	54.81 2.66 0.00	69.79 2.73 -1.95	69.95 2.30 -1.88	60.36 1.97 -0.31	51.84 2.42 0.00	42.46 1.79 0.00	40.35 2.21 0.00	34.14 2.08 0.00
POMONA___ESR 323819	22.22 1.22 0.00	20.77 1.16 0.00	18.41 1.04 0.00	17.71 0.97 0.00	17.67 0.97 0.00	19.99 1.02 0.00	22.64 1.18 0.00	25.64 1.56 0.00	27.35 1.74 0.00	28.60 1.80 0.00	31.80 2.05 0.00	33.49 2.04 0.00	37.66 2.27 0.00	40.19 2.20 0.00	42.22 2.12 0.00	44.79 2.05 -0.01	54.70 2.55 0.00	69.68 2.80 -1.78	69.84 2.36 -1.71	60.22 1.86 -0.28	51.64 2.23 0.00	42.26 1.58 0.00	39.93 1.79 0.00	33.92 1.86 0.00
PORT_JEFF_3 23555	32.28 1.85 -9.43	29.01 1.77 -7.63	23.97 1.58 -5.03	23.97 1.49 -5.75	24.58 1.50 -6.37	27.77 1.65 -7.15	32.16 1.91 -8.78	32.93 2.31 -6.55	33.11 2.54 -4.97	33.30 2.60 -3.89	43.41 2.80 -10.87	44.19 2.80 -9.94	45.13 3.15 -6.58	46.05 3.12 -4.94	47.97 3.01 -4.87	65.22 2.74 -19.75	76.70 3.39 -21.16	96.49 4.17 -27.22	93.56 3.81 -23.98	77.64 3.08 -16.48	62.21 3.17 -9.64	66.01 2.48 -22.85	43.69 3.55 -2.00	35.35 3.27 -0.02
PORT_JEFF_4 23616	32.28 1.85 -9.43	29.01 1.77 -7.63	23.97 1.58 -5.03	23.97 1.49 -5.75	24.58 1.50 -6.37	27.77 1.65 -7.15	32.16 1.91 -8.78	32.93 2.31 -6.55	33.11 2.54 -4.97	33.30 2.60 -3.89	43.41 2.80 -10.87	44.19 2.80 -9.94	45.13 3.15 -6.58	46.05 3.12 -4.94	47.97 3.01 -4.87	65.22 2.74 -19.75	76.70 3.39 -21.16	96.49 4.17 -27.22	93.56 3.81 -23.98	77.64 3.08 -16.48	62.21 3.17 -9.64	66.01 2.48 -22.85	43.69 3.55 -2.00	35.35 3.27 -0.02



PORT_JEFF_IC 23713	32.30 1.87 -9.43	29.03 1.78 -7.63	23.99 1.60 -5.03	23.99 1.51 -5.75	24.59 1.52 -6.37	27.79 1.67 -7.15	32.18 1.93 -8.78	32.98 2.36 -6.55	33.14 2.56 -4.97	33.32 2.63 -3.89	43.45 2.83 -10.87	44.28 2.89 -9.94	45.23 3.26 -6.58	46.16 3.23 -4.94	48.06 3.13 -4.84	64.79 2.74 -19.32	75.91 3.29 -20.48	94.96 3.78 -26.09	92.23 3.49 -22.98	76.87 2.96 -15.82	61.72 3.01 -9.29	65.56 2.48 -22.41	43.77 3.62 -2.00	35.35 3.27 -0.02
PPL PILGRIM_ST_GT1 24216	32.34 1.91 -9.43	29.07 1.82 -7.63	24.04 1.65 -5.03	24.02 1.54 -5.75	24.63 1.55 -6.37	27.85 1.73 -7.15	32.22 1.97 -8.78	33.05 2.43 -6.55	33.24 2.66 -4.97	33.43 2.74 -3.89	43.59 2.97 -10.87	44.34 2.96 -9.94	45.27 3.29 -6.58	46.24 3.30 -4.94	48.15 3.21 -4.85	65.29 3.12 -19.43	76.25 3.44 -20.66	95.66 4.17 -26.39	92.83 3.81 -23.25	77.16 3.08 -16.00	62.06 3.26 -9.38	65.97 2.77 -22.53	43.88 3.74 -2.00	35.47 3.40 -0.02
PPL PILGRIM_ST_GT2 24217	32.34 1.91 -9.43	29.07 1.82 -7.63	24.04 1.65 -5.03	24.02 1.54 -5.75	24.63 1.55 -6.37	27.85 1.73 -7.15	32.22 1.97 -8.78	33.05 2.43 -6.55	33.24 2.66 -4.97	33.43 2.74 -3.89	43.59 2.97 -10.87	44.34 2.96 -9.94	45.27 3.29 -6.58	46.24 3.30 -4.94	48.15 3.21 -4.85	65.29 3.12 -19.43	76.25 3.44 -20.66	95.66 4.17 -26.39	92.83 3.81 -23.25	77.16 3.08 -16.00	62.06 3.26 -9.38	65.97 2.77 -22.53	43.88 3.74 -2.00	35.47 3.40 -0.02
PPL_SHRM_GT3 24213	32.20 1.76 -9.43	28.93 1.69 -7.63	23.90 1.51 -5.03	23.89 1.41 -5.75	24.54 1.47 -6.37	27.69 1.57 -7.15	32.05 1.80 -8.78	32.84 2.21 -6.55	32.98 2.41 -4.97	33.16 2.46 -3.89	43.27 2.65 -10.87	44.06 2.67 -9.94	45.02 3.04 -6.58	46.01 3.08 -4.94	48.00 3.05 -4.86	65.51 3.12 -19.65	76.87 3.70 -21.01	96.82 4.75 -26.97	93.94 4.41 -23.77	77.96 3.54 -16.34	62.54 3.56 -9.56	66.28 2.85 -22.76	43.73 3.58 -2.00	35.35 3.27 -0.02
PPL_SHRM_GT4 24214	32.20 1.76 -9.43	28.93 1.69 -7.63	23.90 1.51 -5.03	23.89 1.41 -5.75	24.54 1.47 -6.37	27.69 1.57 -7.15	32.05 1.80 -8.78	32.84 2.21 -6.55	32.98 2.41 -4.97	33.16 2.46 -3.89	43.27 2.65 -10.87	44.06 2.67 -9.94	45.02 3.04 -6.58	46.01 3.08 -4.94	48.00 3.05 -4.86	65.51 3.12 -19.65	76.87 3.70 -21.01	96.82 4.75 -26.97	93.94 4.41 -23.77	77.96 3.54 -16.34	62.54 3.56 -9.56	66.28 2.85 -22.76	43.73 3.58 -2.00	35.35 3.27 -0.02
PROJECT___ORANGE 1 24174	20.86 -0.15 0.00	19.47 -0.14 0.00	17.24 -0.12 0.00	16.62 -0.12 0.00	16.61 -0.10 0.00	18.91 -0.06 0.00	21.44 -0.02 0.00	24.00 -0.07 0.00	25.57 -0.05 -0.02	27.14 0.11 -0.23	30.17 0.21 -0.21	32.09 0.25 -0.39	36.51 0.32 -0.80	39.44 0.38 -1.07	41.98 0.60 -1.29	44.93 0.64 -1.55	55.55 0.89 -2.51	70.07 1.11 -3.86	70.77 1.05 -3.95	62.41 1.05 -3.28	52.53 0.84 -2.28	42.70 0.65 -1.37	39.72 0.46 -1.12	32.83 0.29 -0.48
PROJECT___ORANGE 2 24166	20.86 -0.15 0.00	19.47 -0.14 0.00	17.24 -0.12 0.00	16.62 -0.12 0.00	16.61 -0.10 0.00	18.91 -0.06 0.00	21.44 -0.02 0.00	24.00 -0.07 0.00	25.57 -0.05 -0.02	27.14 0.11 -0.23	30.17 0.21 -0.21	32.09 0.25 -0.39	36.51 0.32 -0.80	39.44 0.38 -1.07	41.98 0.60 -1.29	44.93 0.64 -1.55	55.55 0.89 -2.51	70.07 1.11 -3.86	70.77 1.05 -3.95	62.41 1.05 -3.28	52.53 0.84 -2.28	42.70 0.65 -1.37	39.72 0.46 -1.12	32.83 0.29 -0.48
PUCKETT___SOLAR 323809	21.36 0.36 0.00	19.94 0.33 0.00	17.64 0.28 0.00	17.02 0.28 0.00	17.02 0.32 0.00	19.38 0.42 0.00	22.06 0.60 0.00	24.75 0.67 0.00	26.44 0.82 -0.01	27.96 1.02 -0.14	31.16 1.28 -0.13	33.01 1.32 -0.24	37.48 1.59 -0.49	40.58 1.94 -0.66	43.09 2.20 -0.79	46.21 2.52 -0.95	57.19 3.49 -1.55	71.60 3.97 -2.53	72.74 4.27 -2.70	64.23 3.89 -2.26	54.37 3.46 -1.49	44.26 2.68 -0.90	41.24 2.37 -0.74	34.11 1.73 -0.32
PYRITES___HYD 24023	20.75 -0.25 0.00	19.36 -0.25 0.00	17.11 -0.24 0.01	15.63 -0.22 0.89	16.48 -0.22 0.01	18.23 -0.23 0.51	21.22 -0.24 0.01	23.59 -0.48 0.01	25.13 -0.49 0.00	26.17 -0.70 -0.07	29.07 -0.74 -0.06	31.22 -0.35 -0.11	35.06 -0.57 -0.23	37.62 -0.68 -0.31	39.43 -1.04 -0.38	42.46 -0.73 -0.45	52.10 -0.78 -0.74	66.22 0.00 -1.12	67.64 0.72 -1.15	59.56 0.52 -0.95	49.34 -0.74 -0.66	40.34 -0.73 -0.40	37.78 -0.69 -0.33	31.66 -0.55 -0.14
QUAKERRD_115KV_BK1 80622	20.25 -0.76 0.00	18.89 -0.73 0.00	16.67 -0.69 0.00	16.12 -0.62 0.00	16.10 -0.60 0.00	18.42 -0.55 0.00	20.99 -0.47 0.00	23.40 -0.67 0.00	25.15 -0.46 0.00	26.75 -0.05 0.00	29.87 0.12 0.00	31.73 0.28 0.00	35.68 0.28 0.00	38.60 0.61 0.00	41.13 1.04 0.00	44.10 1.37 0.00	54.08 1.93 0.00	67.44 2.34 0.00	67.95 2.17 -0.02	60.13 2.03 -0.02	50.90 1.48 0.00	41.85 1.18 0.00	38.90 0.76 0.00	32.35 0.29 0.00
QUENSBRY_115KV_TB8 356137	22.60 1.60 0.00	21.08 1.47 0.00	18.63 1.27 0.00	17.94 1.20 0.00	17.93 1.22 0.00	20.31 1.35 0.00	23.10 1.63 0.00	25.85 1.78 0.00	27.66 2.05 0.00	28.79 1.98 0.00	31.95 2.20 0.00	32.83 1.38 0.00	36.92 1.52 0.00	39.66 1.67 0.00	42.02 1.92 0.00	45.00 2.27 0.01	54.60 2.45 0.00	66.24 2.99 1.86	66.93 2.96 1.80	60.34 2.56 0.30	52.18 2.77 0.00	43.07 2.40 0.00	40.58 2.44 0.00	34.02 1.96 0.00
RAMAPO___LBMP 323565	22.14 1.13 0.00	20.69 1.08 0.00	18.34 0.97 0.00	17.64 0.90 0.00	17.61 0.90 0.00	19.92 0.95 0.00	22.56 1.09 0.00	25.54 1.47 0.00	27.22 1.61 0.00	28.46 1.66 0.00	31.65 1.90 0.00	33.34 1.89 0.00	37.52 2.12 0.00	40.04 2.05 0.00	42.06 1.96 0.00	44.62 1.88 -0.01	54.34 2.19 0.00	69.08 2.21 -1.77	69.24 1.78 -1.70	59.87 1.51 -0.28	51.24 1.83 0.00	42.05 1.38 0.00	39.82 1.68 0.00	33.70 1.64 0.00
RANKINE___ 23646	20.35 -0.65 0.00	19.00 -0.61 0.00	16.79 -0.57 0.00	16.35 -0.38 0.00	16.36 -0.35 0.00	18.80 -0.17 0.00	21.57 0.11 0.00	23.64 -0.43 0.00	25.68 0.08 0.00	27.71 0.91 0.00	31.00 1.25 0.00	33.02 1.57 0.00	37.23 1.84 0.00	40.61 2.62 0.00	43.50 3.41 0.00	46.63 3.89 0.00	57.21 5.06 0.00	71.09 5.99 0.00	71.25 5.46 -0.02	62.98 4.88 -0.02	53.47 4.05 0.00	44.01 3.34 0.00	40.96 2.82 0.00	34.18 2.12 0.00
RAVENSWOOD_GT2_1 24244	22.37 1.37 0.00	20.94 1.33 0.00	18.54 1.18 0.00	17.82 1.09 0.00	17.79 1.09 0.00	20.16 1.19 0.00	22.79 1.33 0.00	25.90 1.83 0.00	27.63 2.02 0.00	28.89 2.09 0.00	32.07 2.32 0.00	33.81 2.36 0.00	38.05 2.65 0.00	40.68 2.70 0.00	42.62 2.53 0.00	45.14 2.39 -0.01	54.86 2.71 0.00	69.85 2.80 -1.95	70.08 2.43 -1.88	60.42 2.03 -0.31	51.93 2.52 0.00	42.50 1.83 0.00	40.43 2.29 0.00	34.18 2.12 0.00
RAVENSWOOD_GT2_2 24245	22.37 1.37 0.00	20.94 1.33 0.00	18.54 1.18 0.00	17.82 1.09 0.00	17.79 1.09 0.00	20.16 1.19 0.00	22.79 1.33 0.00	25.90 1.83 0.00	27.63 2.02 0.00	28.89 2.09 0.00	32.07 2.32 0.00	33.81 2.36 0.00	38.05 2.65 0.00	40.68 2.70 0.00	42.62 2.53 0.00	45.14 2.39 -0.01	54.86 2.71 0.00	69.85 2.80 -1.95	70.08 2.43 -1.88	60.42 2.03 -0.31	51.93 2.52 0.00	42.50 1.83 0.00	40.43 2.29 0.00	34.18 2.12 0.00



RAVENSWOOD_GT2_3 24246	22.39 1.39 0.00	20.94 1.33 0.00	18.56 1.20 0.00	17.82 1.09 0.00	17.79 1.09 0.00	20.16 1.19 0.00	22.82 1.35 0.00	25.93 1.85 0.00	27.63 2.02 0.00	28.89 2.09 0.00	32.07 2.32 0.00	33.81 2.36 0.00	38.08 2.69 0.00	40.68 2.70 0.00	42.66 2.57 0.00	45.18 2.44 -0.01	54.91 2.76 0.00	69.92 2.86 -1.95	70.08 2.43 -1.88	60.48 2.09 -0.31	51.93 2.52 0.00	42.54 1.87 0.00	40.43 2.29 0.00	34.18 2.12 0.00
RAVENSWOOD_GT2_4 24247	22.39 1.39 0.00	20.94 1.33 0.00	18.56 1.20 0.00	17.82 1.09 0.00	17.79 1.09 0.00	20.16 1.19 0.00	22.82 1.35 0.00	25.93 1.85 0.00	27.63 2.02 0.00	28.89 2.09 0.00	32.07 2.32 0.00	33.81 2.36 0.00	38.08 2.69 0.00	40.68 2.70 0.00	42.66 2.57 0.00	45.18 2.44 -0.01	54.91 2.76 0.00	69.92 2.86 -1.95	70.08 2.43 -1.88	60.48 2.09 -0.31	51.93 2.52 0.00	42.54 1.87 0.00	40.43 2.29 0.00	34.18 2.12 0.00
RAVENSWOOD_GT3_1 24248	22.37 1.37 0.00	20.94 1.33 0.00	18.54 1.18 0.00	17.82 1.09 0.00	17.79 1.09 0.00	20.16 1.19 0.00	22.79 1.33 0.00	25.90 1.83 0.00	27.63 2.02 0.00	28.89 2.09 0.00	32.07 2.32 0.00	33.81 2.36 0.00	38.08 2.69 0.00	40.68 2.70 0.00	42.62 2.53 0.00	45.14 2.39 -0.01	54.86 2.71 0.00	69.85 2.80 -1.95	70.08 2.43 -1.88	60.42 2.03 -0.31	51.93 2.52 0.00	42.50 1.83 0.00	40.43 2.29 0.00	34.18 2.12 0.00
RAVENSWOOD_GT3_2 24249	22.37 1.37 0.00	20.94 1.33 0.00	18.54 1.18 0.00	17.82 1.09 0.00	17.79 1.09 0.00	20.16 1.19 0.00	22.79 1.33 0.00	25.90 1.83 0.00	27.63 2.02 0.00	28.89 2.09 0.00	32.07 2.32 0.00	33.81 2.36 0.00	38.08 2.69 0.00	40.68 2.70 0.00	42.62 2.53 0.00	45.14 2.39 -0.01	54.86 2.71 0.00	69.85 2.80 -1.95	70.08 2.43 -1.88	60.42 2.03 -0.31	51.93 2.52 0.00	42.50 1.83 0.00	40.43 2.29 0.00	34.18 2.12 0.00
RAVENSWOOD_GT3_3 24250	22.41 1.41 0.00	20.96 1.35 0.00	18.56 1.20 0.00	17.84 1.10 0.00	17.81 1.10 0.00	20.18 1.21 0.00	22.84 1.37 0.00	25.95 1.88 0.00	27.68 2.07 0.00	28.95 2.14 0.00	32.10 2.35 0.00	33.84 2.39 0.00	38.12 2.73 0.00	40.76 2.77 0.00	42.70 2.61 0.00	45.22 2.48 -0.01	54.97 2.82 0.00	69.98 2.93 -1.95	70.21 2.56 -1.88	60.59 2.21 -0.31	52.03 2.62 0.00	42.58 1.91 0.00	40.47 2.33 0.00	34.24 2.18 0.00
RAVENSWOOD_GT3_4 24251	22.41 1.41 0.00	20.96 1.35 0.00	18.56 1.20 0.00	17.84 1.10 0.00	17.81 1.10 0.00	20.18 1.21 0.00	22.84 1.37 0.00	25.95 1.88 0.00	27.68 2.07 0.00	28.95 2.14 0.00	32.10 2.35 0.00	33.84 2.39 0.00	38.12 2.73 0.00	40.76 2.77 0.00	42.70 2.61 0.00	45.22 2.48 -0.01	54.97 2.82 0.00	69.98 2.93 -1.95	70.21 2.56 -1.88	60.59 2.21 -0.31	52.03 2.62 0.00	42.58 1.91 0.00	40.47 2.33 0.00	34.24 2.18 0.00
RAVENSWOOD_GT_1 23729	22.43 1.43 0.00	21.00 1.39 0.00	18.58 1.22 0.00	17.84 1.10 0.00	17.81 1.10 0.00	20.16 1.19 0.00	22.79 1.33 0.00	25.93 1.85 0.00	27.66 2.05 0.00	28.92 2.12 0.00	32.10 2.35 0.00	33.84 2.39 0.00	38.15 2.76 0.00	40.76 2.77 0.00	42.66 2.57 0.00	45.09 2.35 -0.01	54.71 2.56 0.00	69.66 2.60 -1.96	69.88 2.24 -1.88	60.25 1.86 -0.31	51.79 2.37 0.00	42.42 1.75 0.00	40.51 2.36 0.00	34.24 2.18 0.00
RAVENSWOOD_GT_10 24258	22.37 1.37 0.00	20.94 1.33 0.00	18.54 1.18 0.00	17.82 1.09 0.00	17.79 1.09 0.00	20.16 1.19 0.00	22.82 1.35 0.00	25.90 1.83 0.00	27.63 2.02 0.00	28.89 2.09 0.00	32.07 2.32 0.00	33.81 2.36 0.00	38.05 2.65 0.00	40.68 2.70 0.00	42.62 2.53 0.00	45.14 2.39 -0.01	54.86 2.71 0.00	69.85 2.80 -1.95	70.08 2.43 -1.88	60.48 2.09 -0.31	51.93 2.52 0.00	42.50 1.83 0.00	40.43 2.29 0.00	34.18 2.12 0.00
RAVENSWOOD_GT_11 24259	22.37 1.37 0.00	20.94 1.33 0.00	18.54 1.18 0.00	17.82 1.09 0.00	17.79 1.09 0.00	20.16 1.19 0.00	22.82 1.35 0.00	25.90 1.83 0.00	27.63 2.02 0.00	28.89 2.09 0.00	32.07 2.32 0.00	33.81 2.36 0.00	38.05 2.65 0.00	40.68 2.70 0.00	42.62 2.53 0.00	45.14 2.39 -0.01	54.86 2.71 0.00	69.85 2.80 -1.95	70.08 2.43 -1.88	60.48 2.09 -0.31	51.93 2.52 0.00	42.50 1.83 0.00	40.43 2.29 0.00	34.18 2.12 0.00
RAVENSWOOD_GT_4 24252	22.37 1.37 0.00	20.93 1.31 0.00	18.54 1.18 0.00	17.82 1.09 0.00	17.79 1.09 0.00	20.16 1.19 0.00	22.82 1.35 0.00	25.93 1.85 0.00	27.63 2.02 0.00	28.89 2.09 0.00	32.07 2.32 0.00	33.81 2.36 0.00	38.05 2.65 0.00	40.68 2.70 0.00	42.62 2.53 0.00	45.18 2.44 -0.01	54.91 2.76 0.00	69.92 2.86 -1.96	70.14 2.50 -1.88	60.54 2.15 -0.31	51.98 2.57 0.00	42.54 1.87 0.00	40.43 2.29 0.00	34.18 2.12 0.00
RAVENSWOOD_GT_5 24254	22.37 1.37 0.00	20.93 1.31 0.00	18.54 1.18 0.00	17.82 1.09 0.00	17.79 1.09 0.00	20.16 1.19 0.00	22.82 1.35 0.00	25.93 1.85 0.00	27.63 2.02 0.00	28.89 2.09 0.00	32.07 2.32 0.00	33.81 2.36 0.00	38.05 2.65 0.00	40.68 2.70 0.00	42.62 2.53 0.00	45.18 2.44 -0.01	54.91 2.76 0.00	69.92 2.86 -1.96	70.14 2.50 -1.88	60.54 2.15 -0.31	51.98 2.57 0.00	42.54 1.87 0.00	40.43 2.29 0.00	34.18 2.12 0.00
RAVENSWOOD_GT_6 24253	22.37 1.37 0.00	20.93 1.31 0.00	18.54 1.18 0.00	17.82 1.09 0.00	17.79 1.09 0.00	20.16 1.19 0.00	22.82 1.35 0.00	25.93 1.85 0.00	27.63 2.02 0.00	28.89 2.09 0.00	32.07 2.32 0.00	33.81 2.36 0.00	38.05 2.65 0.00	40.68 2.70 0.00	42.62 2.53 0.00	45.18 2.44 -0.01	54.91 2.76 0.00	69.92 2.86 -1.96	70.14 2.50 -1.88	60.54 2.15 -0.31	51.98 2.57 0.00	42.54 1.87 0.00	40.43 2.29 0.00	34.18 2.12 0.00
RAVENSWOOD_GT_7 24255	22.37 1.37 0.00	20.93 1.31 0.00	18.54 1.18 0.00	17.82 1.09 0.00	17.79 1.09 0.00	20.16 1.19 0.00	22.82 1.35 0.00	25.93 1.85 0.00	27.63 2.02 0.00	28.89 2.09 0.00	32.07 2.32 0.00	33.81 2.36 0.00	38.05 2.65 0.00	40.68 2.70 0.00	42.62 2.53 0.00	45.18 2.44 -0.01	54.91 2.76 0.00	69.92 2.86 -1.96	70.14 2.50 -1.88	60.54 2.15 -0.31	51.98 2.57 0.00	42.54 1.87 0.00	40.43 2.29 0.00	34.18 2.12 0.00
RAVENSWOOD_GT_8 TEMP GRP(8-11) 24256	22.37 1.37 0.00	20.94 1.33 0.00	18.54 1.18 0.00	17.82 1.09 0.00	17.79 1.09 0.00	20.16 1.19 0.00	22.82 1.35 0.00	25.90 1.83 0.00	27.63 2.02 0.00	28.89 2.09 0.00	32.07 2.32 0.00	33.81 2.36 0.00	38.05 2.65 0.00	40.68 2.70 0.00	42.62 2.53 0.00	45.14 2.39 -0.01	54.86 2.71 0.00	69.85 2.80 -1.95	70.08 2.43 -1.88	60.48 2.09 -0.31	51.93 2.52 0.00	42.50 1.83 0.00	40.43 2.29 0.00	34.18 2.12 0.00
RAVENSWOOD_GT_9 24257	22.37 1.37 0.00	20.94 1.33 0.00	18.54 1.18 0.00	17.82 1.09 0.00	17.79 1.09 0.00	20.16 1.19 0.00	22.82 1.35 0.00	25.90 1.83 0.00	27.63 2.02 0.00	28.89 2.09 0.00	32.07 2.32 0.00	33.81 2.36 0.00	38.05 2.65 0.00	40.68 2.70 0.00	42.62 2.53 0.00	45.14 2.39 -0.01	54.86 2.71 0.00	69.85 2.80 -1.95	70.08 2.43 -1.88	60.48 2.09 -0.31	51.93 2.52 0.00	42.50 1.83 0.00	40.43 2.29 0.00	34.18 2.12 0.00



RAVENSWOOD___1 23533	22.41 1.41 0.00	20.98 1.37 0.00	18.58 1.22 0.00	17.82 1.09 0.00	17.79 1.09 0.00	20.16 1.20 0.00	22.77 1.31 0.00	25.88 1.81 0.00	27.63 2.02 0.00	28.92 2.12 0.00	32.10 2.35 0.00	33.81 2.36 0.00	38.08 2.69 0.00	40.69 2.70 0.00	42.62 2.53 0.00	45.09 2.35 -0.01	54.81 2.66 0.00	70.05 3.00 -1.95	70.14 2.50 -1.88	60.36 1.98 -0.31	51.98 2.57 0.00	42.50 1.83 0.00	40.47 2.33 0.00	34.30 2.24 0.00
RAVENSWOOD___2 23534	22.41 1.41 0.00	20.98 1.37 0.00	18.58 1.22 0.00	17.82 1.09 0.00	17.79 1.09 0.00	20.16 1.20 0.00	22.77 1.31 0.00	25.88 1.81 0.00	27.63 2.02 0.00	28.89 2.09 0.00	32.07 2.32 0.00	33.81 2.36 0.00	38.08 2.69 0.00	40.69 2.70 0.00	42.62 2.53 0.00	45.09 2.35 -0.01	54.81 2.66 0.00	70.05 3.00 -1.95	70.14 2.50 -1.88	60.30 1.91 -0.31	51.98 2.57 0.00	42.46 1.79 0.00	40.47 2.33 0.00	34.27 2.21 0.00
RAVENSWOOD___3 23535	22.37 1.36 0.00	20.95 1.33 0.00	18.55 1.18 0.00	17.82 1.09 0.00	17.79 1.09 0.00	20.16 1.20 0.00	22.80 1.33 0.00	25.90 1.83 0.00	27.63 2.02 0.00	28.89 2.09 0.00	32.07 2.32 0.00	33.78 2.33 0.00	38.05 2.66 0.00	40.65 2.66 0.00	42.62 2.53 0.00	45.13 2.39 -0.01	54.96 2.81 0.00	70.24 3.19 -1.95	70.41 2.76 -1.88	60.59 2.21 -0.31	52.13 2.72 0.00	42.58 1.91 0.00	40.39 2.25 0.00	34.24 2.18 0.00
RAVENSWOOD___4 23820	22.41 1.41 0.00	20.96 1.35 0.00	18.56 1.20 0.00	17.82 1.09 0.00	17.79 1.09 0.00	20.14 1.18 0.00	22.77 1.31 0.00	25.88 1.81 0.00	27.63 2.02 0.00	28.89 2.09 0.00	32.07 2.32 0.00	33.78 2.33 0.00	38.08 2.69 0.00	40.65 2.66 0.00	42.58 2.49 0.00	45.05 2.31 -0.01	54.75 2.61 0.00	70.05 3.00 -1.95	70.14 2.50 -1.88	60.30 1.91 -0.30	51.98 2.57 0.00	42.46 1.79 0.00	40.43 2.29 0.00	34.27 2.21 0.00
RCPL_TRUST___DRP 24196	22.39 1.39 0.00	20.96 1.35 0.00	18.56 1.20 0.00	17.84 1.10 0.00	17.81 1.10 0.00	20.20 1.23 0.00	22.86 1.40 0.00	25.97 1.90 0.00	27.68 2.07 0.00	28.97 2.17 0.00	32.13 2.38 0.00	33.87 2.42 0.00	38.15 2.76 0.00	40.80 2.81 0.00	42.78 2.69 0.00	45.31 2.56 -0.01	55.12 2.97 0.00	70.18 3.12 -1.95	70.34 2.70 -1.88	60.65 2.27 -0.31	52.08 2.67 0.00	42.62 1.95 0.00	40.47 2.33 0.00	34.21 2.15 0.00
RED___ROCHESTER 323720	20.73 -0.27 0.00	19.32 -0.29 0.00	17.05 -0.31 0.00	16.49 -0.25 0.00	16.49 -0.22 0.00	18.87 -0.09 0.00	21.55 0.09 0.00	24.07 0.00 0.00	25.86 0.26 0.00	27.61 0.80 0.00	30.94 1.19 0.00	32.83 1.38 0.00	36.99 1.59 0.00	40.11 2.13 0.00	42.70 2.60 0.00	45.85 3.12 0.00	56.27 4.12 0.00	70.04 4.95 0.00	70.65 4.87 -0.02	63.09 5.00 -0.02	52.97 3.56 0.00	43.60 2.93 0.00	40.70 2.56 0.00	33.54 1.48 0.00
REGAN___SOLAR 323812	23.10 2.10 0.00	21.55 1.94 0.00	19.01 1.65 0.00	18.31 1.57 0.00	18.31 1.60 0.00	20.79 1.82 0.00	23.72 2.25 0.00	26.41 2.33 0.00	28.22 2.61 0.00	29.46 2.65 0.00	32.46 2.71 0.00	34.28 2.83 0.00	38.83 3.43 0.00	41.71 3.72 0.00	44.14 4.05 0.00	48.03 5.30 0.00	58.83 6.68 0.00	72.99 9.05 1.15	74.89 10.26 1.13	67.63 9.75 0.21	57.67 8.25 0.00	47.34 6.67 0.00	44.05 5.91 0.00	36.58 4.52 0.00
RENSSELAER___COGEN 23796	21.66 0.65 0.00	20.26 0.65 0.00	17.94 0.57 0.00	17.27 0.54 0.00	17.21 0.50 0.00	19.50 0.53 0.00	22.06 0.60 0.00	24.72 0.65 0.00	26.32 0.72 0.00	27.37 0.56 0.00	30.23 0.47 0.00	31.83 0.38 0.00	35.78 0.39 0.00	38.29 0.30 0.00	40.45 0.36 0.00	42.99 0.26 0.01	52.52 0.37 0.00	63.66 0.26 1.70	64.19 0.07 1.64	57.92 0.12 0.28	49.91 0.49 0.00	41.20 0.53 0.00	38.64 0.49 0.00	32.64 0.58 0.00
REPUBLIC_115KV_BARTNBK 55605	23.59 2.58 0.00	21.98 2.37 0.00	19.40 2.03 0.00	18.69 1.96 0.00	18.68 1.97 0.00	21.17 2.20 0.00	24.17 2.70 0.00	27.03 2.96 0.00	29.01 3.41 0.00	30.21 3.40 0.00	33.50 3.75 0.00	34.50 3.05 0.00	38.86 3.47 0.00	41.82 3.84 0.00	44.50 4.41 0.00	47.99 5.26 0.01	58.51 6.36 0.00	71.29 8.07 1.88	72.23 8.29 1.82	65.33 7.55 0.31	56.23 6.82 0.00	46.49 5.82 0.00	43.60 5.45 0.00	36.32 4.26 0.00
REVERE_CPPR_DRP 24186	21.63 0.63 0.00	20.22 0.61 0.00	17.85 0.49 0.00	17.17 0.47 0.03	17.21 0.50 0.00	19.58 0.63 0.02	22.28 0.82 0.00	25.01 0.94 0.00	26.69 1.08 -0.01	28.07 1.15 -0.12	31.23 1.37 -0.11	33.09 1.45 -0.20	37.50 1.70 -0.40	40.51 1.98 -0.54	42.87 2.12 -0.65	45.95 2.44 -0.78	56.65 3.23 -1.27	71.47 4.43 -1.94	72.56 4.80 -1.99	64.21 4.47 -1.65	54.42 3.85 -1.15	44.25 2.89 -0.69	41.11 2.40 -0.56	34.20 1.89 -0.24
REYNOLDS_115KV_TB3 80639	21.82 0.82 0.00	20.40 0.78 0.00	18.08 0.71 0.00	17.41 0.67 0.00	17.36 0.65 0.00	19.67 0.70 0.00	22.26 0.79 0.00	24.96 0.89 0.00	26.56 0.95 0.00	27.58 0.78 0.00	30.52 0.77 0.00	32.05 0.60 0.00	36.07 0.67 0.00	38.60 0.61 0.00	40.73 0.64 0.00	43.24 0.51 0.01	52.72 0.57 0.00	63.46 0.39 2.03	64.00 0.20 1.97	58.04 0.29 0.33	50.06 0.64 0.00	41.40 0.73 0.00	38.87 0.72 0.00	32.83 0.77 0.00
RIVERBAY____ 323610	22.69 1.68 -0.01	21.25 1.63 -0.01	18.79 1.42 0.00	17.99 1.26 0.00	17.96 1.25 0.00	20.35 1.38 0.00	22.92 1.46 0.00	26.02 1.95 0.00	27.76 2.15 0.00	29.03 2.22 0.00	32.19 2.44 0.00	33.97 2.52 0.00	38.30 2.90 0.00	40.91 2.93 0.00	42.78 2.69 0.00	45.26 2.52 -0.01	54.96 2.82 0.01	70.04 2.99 -1.95	70.27 2.63 -1.87	60.64 2.27 -0.30	52.08 2.67 0.00	42.58 1.91 0.00	40.93 2.78 0.00	34.59 2.53 0.00
RIVERSIDE_115KV_TB3 55908	21.74 0.74 0.00	20.34 0.73 0.00	18.02 0.66 0.00	17.36 0.62 0.00	17.29 0.58 0.00	19.59 0.63 0.00	22.17 0.71 0.00	24.87 0.79 0.00	26.48 0.87 0.00	27.50 0.70 0.00	30.41 0.65 0.00	31.98 0.53 0.00	36.00 0.60 0.00	38.52 0.53 0.00	40.65 0.56 0.00	43.20 0.47 0.01	52.67 0.52 0.00	63.55 0.33 1.87	64.15 0.20 1.81	58.07 0.29 0.30	50.01 0.59 0.00	41.32 0.65 0.00	38.83 0.69 0.00	32.77 0.71 0.00
ROARING___BROOK_WT_PWR 323790	19.93 -1.07 0.00	18.57 -1.04 0.00	16.40 -0.95 0.01	14.11 -0.94 1.68	15.76 -0.94 0.01	16.94 -1.06 0.97	20.25 -1.20 0.01	22.83 -1.23 0.01	24.48 -1.13 0.00	25.70 -1.10 0.00	28.62 -1.13 0.00	30.44 -1.01 0.00	34.30 -1.10 0.00	36.81 -1.18 0.00	38.81 -1.28 0.00	41.50 -1.24 0.00	50.59 -1.56 0.00	63.47 -1.62 0.00	64.38 -1.38 0.00	56.75 -1.33 0.00	47.78 -1.63 0.00	39.21 -1.46 0.00	36.61 -1.53 0.00	30.74 -1.32 0.00
ROCHESRG_115KV_T4 355643	20.52 -0.48 0.00	19.14 -0.47 0.00	16.90 -0.47 0.00	16.35 -0.38 0.00	16.34 -0.37 0.00	18.70 -0.27 0.00	21.34 -0.13 0.00	23.71 -0.36 0.00	25.53 -0.08 0.00	27.26 0.46 0.00	30.41 0.65 0.00	32.33 0.88 0.00	36.38 0.99 0.00	39.39 1.41 0.00	42.02 1.92 0.00	45.04 2.31 0.00	55.23 3.08 0.00	68.81 3.71 0.00	69.27 3.49 -0.02	61.35 3.25 -0.02	51.89 2.47 0.00	42.75 2.07 0.00	39.74 1.60 0.00	33.02 0.96 0.00



ROCHESTER_9_IC 23652	20.63 -0.38 0.00	19.24 -0.37 0.00	16.98 -0.38 0.00	16.42 -0.32 0.00	16.42 -0.28 0.00	18.80 -0.17 0.00	21.46 0.00 0.00	23.86 -0.22 0.00	25.71 0.10 0.00	27.45 0.64 0.00	30.64 0.89 0.00	32.61 1.16 0.00	36.67 1.27 0.00	39.74 1.75 0.00	42.38 2.29 0.00	45.47 2.74 0.00	55.75 3.60 0.00	69.46 4.36 0.00	69.93 4.14 -0.02	61.93 3.83 -0.02	52.38 2.96 0.00	43.11 2.44 0.00	40.05 1.91 0.00	33.25 1.19 0.00
ROCKVIEW_13_KV_LD 356306	22.37 1.37 0.00	20.93 1.31 0.00	18.53 1.16 0.00	17.81 1.07 0.00	17.78 1.07 0.00	20.16 1.19 0.00	22.82 1.35 0.00	25.90 1.83 0.00	27.61 2.00 0.00	28.87 2.06 0.00	32.07 2.32 0.00	33.78 2.33 0.00	38.05 2.65 0.00	40.68 2.70 0.00	42.70 2.61 0.00	45.26 2.52 -0.01	55.12 2.97 0.00	70.24 3.19 -1.95	70.41 2.76 -1.88	60.77 2.38 -0.31	52.13 2.72 0.00	42.67 1.99 0.00	40.43 2.29 0.00	34.18 2.12 0.00
ROME____115KV_TB2 80656	21.63 0.63 0.00	20.22 0.61 0.00	17.85 0.49 0.00	17.17 0.47 0.03	17.21 0.50 0.00	19.58 0.63 0.02	22.28 0.82 0.00	25.01 0.94 0.00	26.69 1.08 -0.01	28.07 1.15 -0.12	31.23 1.37 -0.11	33.09 1.45 -0.20	37.50 1.70 -0.40	40.51 1.98 -0.54	42.87 2.12 -0.65	45.95 2.44 -0.78	56.65 3.23 -1.27	71.47 4.43 -1.94	72.56 4.80 -1.99	64.21 4.47 -1.65	54.42 3.85 -1.15	44.25 2.89 -0.69	41.11 2.40 -0.56	34.20 1.89 -0.24
ROSETON____1 23587	22.08 1.07 0.00	20.65 1.04 0.00	18.30 0.94 0.00	17.59 0.85 0.00	17.56 0.85 0.00	19.90 0.93 0.00	22.52 1.05 0.00	25.42 1.35 0.00	27.09 1.48 0.00	28.30 1.50 0.00	31.45 1.69 0.00	33.08 1.63 0.00	37.23 1.84 0.00	39.81 1.82 0.00	41.85 1.76 0.00	44.41 1.67 -0.01	54.18 2.03 0.00	69.10 2.21 -1.79	69.32 1.84 -1.72	59.81 1.45 -0.28	51.29 1.88 0.00	42.09 1.42 0.00	39.71 1.56 0.00	33.63 1.57 0.00
ROSETON____2 23588	22.08 1.07 0.00	20.65 1.04 0.00	18.30 0.94 0.00	17.59 0.85 0.00	17.56 0.85 0.00	19.90 0.93 0.00	22.52 1.05 0.00	25.42 1.35 0.00	27.09 1.48 0.00	28.30 1.50 0.00	31.45 1.69 0.00	33.08 1.63 0.00	37.23 1.84 0.00	39.81 1.82 0.00	41.85 1.76 0.00	44.41 1.67 -0.01	54.18 2.03 0.00	69.10 2.21 -1.79	69.32 1.84 -1.72	59.81 1.45 -0.28	51.29 1.88 0.00	42.09 1.42 0.00	39.71 1.56 0.00	33.63 1.57 0.00
ROTTDRAM_115KV_TB3 80664	21.78 0.78 0.00	20.34 0.73 0.00	18.01 0.64 0.00	17.36 0.62 0.00	17.32 0.62 0.00	19.65 0.68 0.00	22.26 0.79 0.00	24.96 0.89 0.00	26.58 0.97 0.00	27.71 0.91 0.00	30.76 1.01 0.00	32.33 0.88 0.00	36.38 0.99 0.00	39.01 1.03 0.00	41.17 1.08 0.00	43.89 1.15 0.00	53.45 1.30 0.00	65.06 1.43 1.47	65.73 1.38 1.42	59.18 1.34 0.24	50.80 1.38 0.00	41.93 1.26 0.00	39.40 1.26 0.00	33.15 1.09 0.00
RUSSELL____1 23602	20.73 -0.27 0.00	19.32 -0.29 0.00	17.05 -0.31 0.00	16.48 -0.25 0.00	16.49 -0.22 0.00	18.87 -0.09 0.00	21.55 0.09 0.00	23.98 -0.10 0.00	25.86 0.26 0.00	27.61 0.80 0.00	30.82 1.07 0.00	32.83 1.38 0.00	36.92 1.52 0.00	40.00 2.01 0.00	42.70 2.61 0.00	45.86 3.12 0.00	56.22 4.07 0.00	70.05 4.95 0.00	70.45 4.67 -0.02	62.34 4.24 -0.02	52.82 3.41 0.00	43.44 2.77 0.00	40.32 2.17 0.00	33.47 1.41 0.00
RUSSELL____2 23532	20.73 -0.27 0.00	19.32 -0.29 0.00	17.05 -0.31 0.00	16.48 -0.25 0.00	16.49 -0.22 0.00	18.87 -0.09 0.00	21.55 0.09 0.00	23.98 -0.10 0.00	25.86 0.26 0.00	27.61 0.80 0.00	30.82 1.07 0.00	32.83 1.38 0.00	36.92 1.52 0.00	40.00 2.01 0.00	42.70 2.61 0.00	45.86 3.12 0.00	56.22 4.07 0.00	70.05 4.95 0.00	70.45 4.67 -0.02	62.34 4.24 -0.02	52.82 3.41 0.00	43.44 2.77 0.00	40.32 2.17 0.00	33.47 1.41 0.00
RUSSELL____3 23549	20.73 -0.27 0.00	19.32 -0.29 0.00	17.05 -0.31 0.00	16.48 -0.25 0.00	16.49 -0.22 0.00	18.87 -0.09 0.00	21.55 0.09 0.00	23.98 -0.10 0.00	25.86 0.26 0.00	27.61 0.80 0.00	30.82 1.07 0.00	32.83 1.38 0.00	36.92 1.52 0.00	40.00 2.01 0.00	42.70 2.61 0.00	45.86 3.12 0.00	56.22 4.07 0.00	70.05 4.95 0.00	70.45 4.67 -0.02	62.34 4.24 -0.02	52.82 3.41 0.00	43.44 2.77 0.00	40.32 2.17 0.00	33.47 1.41 0.00
RUSSELL____4 23556	20.73 -0.27 0.00	19.32 -0.29 0.00	17.05 -0.31 0.00	16.48 -0.25 0.00	16.49 -0.22 0.00	18.87 -0.09 0.00	21.55 0.09 0.00	23.98 -0.10 0.00	25.86 0.26 0.00	27.61 0.80 0.00	30.82 1.07 0.00	32.83 1.38 0.00	36.92 1.52 0.00	40.00 2.01 0.00	42.70 2.61 0.00	45.86 3.12 0.00	56.22 4.07 0.00	70.05 4.95 0.00	70.45 4.67 -0.02	62.34 4.24 -0.02	52.82 3.41 0.00	43.44 2.77 0.00	40.32 2.17 0.00	33.47 1.41 0.00
RUSSELL____STATION 23914	20.73 -0.27 0.00	19.32 -0.29 0.00	17.05 -0.31 0.00	16.48 -0.25 0.00	16.49 -0.22 0.00	18.87 -0.09 0.00	21.55 0.09 0.00	23.98 -0.10 0.00	25.86 0.26 0.00	27.61 0.80 0.00	30.82 1.07 0.00	32.83 1.38 0.00	36.92 1.52 0.00	40.00 2.01 0.00	42.70 2.61 0.00	45.86 3.12 0.00	56.22 4.07 0.00	70.05 4.95 0.00	70.45 4.67 -0.02	62.34 4.24 -0.02	52.82 3.41 0.00	43.44 2.77 0.00	40.32 2.17 0.00	33.47 1.41 0.00
S SALMON____HYD 24043	20.86 -0.15 0.00	19.47 -0.14 0.00	17.22 -0.14 0.00	16.52 -0.13 0.08	16.61 -0.10 0.00	18.87 -0.06 0.05	21.46 0.00 0.00	24.05 -0.02 0.00	25.59 -0.05 -0.04	27.40 0.05 -0.54	30.40 0.15 -0.50	32.53 0.16 -0.92	37.49 0.21 -1.88	40.86 0.34 -2.53	43.45 0.32 -3.03	46.82 0.43 -3.65	58.55 0.47 -5.93	75.07 0.84 -9.13	76.21 1.12 -9.33	67.21 1.39 -7.74	55.88 1.09 -5.38	44.73 0.81 -3.25	41.52 0.72 -2.65	33.62 0.42 -1.14
S.PERRY__115KV_TB1 80734	21.09 0.08 0.00	19.63 0.02 0.00	17.33 -0.03 0.00	16.79 0.05 0.00	16.81 0.10 0.00	19.27 0.30 0.00	22.06 0.60 0.00	24.46 0.39 0.00	26.25 0.64 0.00	27.95 1.15 0.00	31.06 1.31 0.00	32.90 1.45 0.00	37.09 1.70 0.00	40.27 2.28 0.00	41.90 1.80 0.00	45.00 2.27 0.00	55.38 3.23 0.00	69.46 4.36 0.00	70.85 5.06 -0.02	63.10 4.99 -0.02	53.66 4.25 0.00	44.13 3.46 0.00	40.73 2.59 0.00	34.82 2.76 0.00
SAWYER_23_KV_LOAD_REV_LBMP_A 345024	20.16 -0.84 0.00	18.83 -0.78 0.00	16.63 -0.73 0.00	16.18 -0.55 0.00	16.17 -0.53 0.00	18.61 -0.36 0.00	21.36 -0.11 0.00	23.37 -0.70 0.00	25.38 -0.23 0.00	27.39 0.59 0.00	30.61 0.86 0.00	32.61 1.16 0.00	36.74 1.34 0.00	40.04 2.05 0.00	42.90 2.81 0.00	45.98 3.25 0.00	56.37 4.22 0.00	70.05 4.95 0.00	70.33 4.54 -0.02	62.23 4.12 -0.02	52.73 3.31 0.00	43.44 2.77 0.00	40.47 2.33 0.00	33.73 1.67 0.00
SAWYER____23_KV_LOAD 55526	20.16 -0.84 0.00	18.83 -0.78 0.00	16.63 -0.73 0.00	16.18 -0.55 0.00	16.17 -0.53 0.00	18.61 -0.36 0.00	21.36 -0.11 0.00	23.37 -0.70 0.00	25.38 -0.23 0.00	27.39 0.59 0.00	30.61 0.86 0.00	32.61 1.16 0.00	36.74 1.34 0.00	40.04 2.05 0.00	42.90 2.81 0.00	45.98 3.25 0.00	56.37 4.22 0.00	70.05 4.95 0.00	70.33 4.54 -0.02	62.23 4.12 -0.02	52.73 3.31 0.00	43.44 2.77 0.00	40.47 2.33 0.00	33.73 1.67 0.00



SELKIRK___I 23801	21.74 0.73 0.00	20.32 0.70 0.00	18.01 0.64 0.00	17.34 0.60 0.00	17.29 0.58 0.00	19.59 0.63 0.00	22.17 0.71 0.00	24.79 0.72 0.00	26.38 0.77 0.00	27.39 0.59 0.00	30.26 0.51 0.00	31.83 0.38 0.00	35.82 0.43 0.00	38.37 0.38 0.00	40.53 0.44 0.00	43.16 0.43 0.00	52.83 0.68 0.00	64.76 0.72 1.06	65.47 0.72 1.02	58.66 0.75 0.17	50.45 1.04 0.00	41.65 0.97 0.00	39.10 0.95 0.00	32.96 0.90 0.00
SELKIRK___II 23799	21.66 0.65 0.00	20.24 0.63 0.00	17.92 0.56 0.00	17.26 0.52 0.00	17.22 0.52 0.00	19.52 0.55 0.00	22.09 0.62 0.00	24.75 0.67 0.00	26.35 0.74 0.00	27.42 0.62 0.00	30.35 0.59 0.00	31.95 0.50 0.00	35.96 0.56 0.00	38.48 0.49 0.00	40.61 0.52 0.00	43.16 0.43 0.00	52.72 0.57 0.00	64.37 0.52 1.25	64.95 0.40 1.21	58.23 0.35 0.20	50.11 0.69 0.00	41.32 0.65 0.00	38.79 0.65 0.00	32.76 0.70 0.00
SENECA OSWGO___HYD 24041	20.73 -0.27 0.00	19.36 -0.26 0.00	17.14 -0.23 0.00	16.52 -0.22 0.00	16.51 -0.20 0.00	18.78 -0.19 0.00	21.27 -0.19 0.00	23.83 -0.24 0.00	25.38 -0.28 -0.05	27.40 -0.16 -0.76	30.37 -0.09 -0.71	32.62 -0.13 -1.29	37.93 -0.11 -2.65	41.51 -0.04 -3.56	44.39 0.04 -4.26	47.95 0.09 -5.13	60.74 0.26 -8.33	78.25 0.33 -12.83	79.27 0.40 -13.11	69.53 0.58 -10.87	57.37 0.39 -7.56	45.52 0.29 -4.56	42.10 0.23 -3.73	33.70 0.03 -1.61
SENECA___115KV_TB3 355854	20.37 -0.63 0.00	19.02 -0.59 0.00	16.81 -0.56 0.00	16.37 -0.37 0.00	16.37 -0.33 0.00	18.82 -0.15 0.00	21.61 0.15 0.00	23.66 -0.41 0.00	25.74 0.13 0.00	27.77 0.96 0.00	31.06 1.31 0.00	33.09 1.64 0.00	37.30 1.91 0.00	40.68 2.70 0.00	43.62 3.53 0.00	46.75 4.02 0.00	57.31 5.16 0.00	71.22 6.12 0.00	71.45 5.66 -0.02	63.10 4.99 -0.02	53.61 4.20 0.00	44.13 3.46 0.00	41.04 2.90 0.00	34.24 2.18 0.00
SENECA___ENERGY 23797	20.79 -0.21 0.00	19.40 -0.22 0.00	17.16 -0.21 0.00	16.55 -0.18 0.00	16.57 -0.13 0.00	18.91 -0.06 0.00	21.55 0.09 0.00	24.12 0.05 0.00	25.81 0.18 -0.02	27.59 0.48 -0.30	30.75 0.71 -0.28	32.75 0.79 -0.52	37.41 0.96 -1.06	40.66 1.25 -1.42	43.40 1.61 -1.70	46.62 1.84 -2.05	58.03 2.55 -3.33	73.52 3.32 -5.10	74.41 3.42 -5.23	65.73 3.31 -4.34	54.94 2.52 -3.01	44.44 1.95 -1.81	41.26 1.64 -1.48	33.66 0.96 -0.64
SHOEMAKER___GT 23640	21.93 0.92 0.00	20.49 0.88 0.00	18.15 0.78 0.00	17.47 0.74 0.00	17.44 0.73 0.00	19.75 0.78 0.00	22.37 0.90 0.00	25.23 1.16 0.00	26.91 1.31 0.00	28.11 1.31 0.00	31.27 1.52 0.00	32.90 1.45 0.00	37.02 1.63 0.00	39.62 1.63 0.00	41.70 1.61 0.00	44.32 1.58 -0.01	54.18 2.03 0.00	68.93 2.28 -1.56	69.30 2.04 -1.50	60.01 1.69 -0.24	51.39 1.98 0.00	42.09 1.42 0.00	39.63 1.49 0.00	33.54 1.48 0.00
SHOEMAKR_138KV_BK 111 55601	21.93 0.92 0.00	20.49 0.88 0.00	18.16 0.80 0.00	17.47 0.74 0.00	17.44 0.74 0.00	19.75 0.78 0.00	22.37 0.90 0.00	25.25 1.18 0.00	26.91 1.31 0.00	28.14 1.34 0.00	31.27 1.52 0.00	32.93 1.48 0.00	37.06 1.66 0.00	39.66 1.67 0.00	41.70 1.60 0.00	44.32 1.58 -0.01	54.03 1.88 0.00	68.59 1.95 -1.53	68.95 1.71 -1.47	59.83 1.51 -0.24	51.19 1.78 0.00	42.01 1.34 0.00	39.63 1.49 0.00	33.47 1.41 0.00
SHOREHAM_IC_1 23715	32.20 1.76 -9.43	28.93 1.69 -7.63	23.90 1.51 -5.03	23.89 1.41 -5.75	24.54 1.47 -6.37	27.69 1.57 -7.15	32.05 1.80 -8.78	32.84 2.21 -6.55	32.98 2.41 -4.97	33.16 2.46 -3.89	43.27 2.65 -10.87	44.06 2.67 -9.94	45.02 3.04 -6.58	46.01 3.08 -4.94	48.00 3.05 -4.86	65.51 3.12 -19.65	76.87 3.70 -21.01	96.82 4.75 -26.97	93.94 4.41 -23.77	77.96 3.54 -16.34	62.54 3.56 -9.56	66.28 2.85 -22.76	43.73 3.58 -2.00	35.35 3.27 -0.02
SHOREHAM_IC_2 23716	32.20 1.76 -9.43	28.93 1.69 -7.63	23.90 1.51 -5.03	23.89 1.41 -5.75	24.54 1.47 -6.37	27.69 1.57 -7.15	32.05 1.80 -8.78	32.84 2.21 -6.55	32.98 2.41 -4.97	33.16 2.46 -3.89	43.27 2.65 -10.87	44.06 2.67 -9.94	45.02 3.04 -6.58	46.01 3.08 -4.94	48.00 3.05 -4.86	65.51 3.12 -19.65	76.87 3.70 -21.01	96.82 4.75 -26.97	93.94 4.41 -23.77	77.96 3.54 -16.34	62.54 3.56 -9.56	66.28 2.85 -22.76	43.73 3.58 -2.00	35.35 3.27 -0.02
SISSONVILLE____ 23735	20.50 -0.50 0.00	19.12 -0.49 0.00	16.92 -0.43 0.01	15.44 -0.44 0.86	16.28 -0.42 0.01	18.00 -0.47 0.50	20.92 -0.54 0.01	23.25 -0.82 0.01	24.74 -0.87 0.00	25.80 -1.07 -0.07	28.66 -1.16 -0.07	30.72 -0.85 -0.12	34.51 -1.13 -0.25	36.89 -1.44 -0.34	38.62 -1.88 -0.41	41.60 -1.62 -0.49	51.12 -1.83 -0.80	64.89 -1.43 -1.22	66.16 -0.85 -1.25	58.19 -0.93 -1.03	48.16 -1.98 -0.72	39.48 -1.63 -0.43	37.20 -1.30 -0.35	31.22 -0.99 -0.15
SITHE_IND_GS1 24169	20.52 -0.48 0.00	19.16 -0.45 0.00	16.95 -0.42 0.00	16.35 -0.38 0.00	16.32 -0.38 0.00	18.57 -0.40 0.00	21.01 -0.45 0.00	23.49 -0.58 0.00	24.77 -0.69 0.15	23.98 -0.62 2.21	27.11 -0.59 2.05	27.07 -0.63 3.75	27.02 -0.71 7.67	27.00 -0.68 10.31	27.10 -0.64 12.35	27.23 -0.64 14.87	27.34 -0.68 24.13	27.05 -0.85 37.20	26.93 -0.86 37.98	26.00 -0.58 31.50	26.89 -0.59 21.93	26.91 -0.53 13.23	26.80 -0.53 10.81	26.82 -0.58 4.66
SITHE_IND_GS2 24170	20.52 -0.48 0.00	19.16 -0.45 0.00	16.95 -0.42 0.00	16.35 -0.38 0.00	16.32 -0.38 0.00	18.57 -0.40 0.00	21.01 -0.45 0.00	23.49 -0.58 0.00	24.77 -0.69 0.15	23.98 -0.62 2.21	27.11 -0.59 2.05	27.07 -0.63 3.75	27.02 -0.71 7.67	27.00 -0.68 10.31	27.10 -0.64 12.35	27.23 -0.64 14.87	27.34 -0.68 24.13	27.05 -0.85 37.20	26.93 -0.86 37.98	26.00 -0.58 31.50	26.89 -0.59 21.93	26.91 -0.53 13.23	26.80 -0.53 10.81	26.82 -0.58 4.66
SITHE_IND_GS3 24171	20.52 -0.48 0.00	19.16 -0.45 0.00	16.95 -0.42 0.00	16.35 -0.38 0.00	16.32 -0.38 0.00	18.57 -0.40 0.00	21.01 -0.45 0.00	23.49 -0.58 0.00	24.77 -0.69 0.15	23.98 -0.62 2.21	27.11 -0.59 2.05	27.07 -0.63 3.75	27.02 -0.71 7.67	27.00 -0.68 10.31	27.10 -0.64 12.35	27.23 -0.64 14.87	27.34 -0.68 24.13	27.05 -0.85 37.20	26.93 -0.86 37.98	26.00 -0.58 31.50	26.89 -0.59 21.93	26.91 -0.53 13.23	26.80 -0.53 10.81	26.82 -0.58 4.66
SITHE_IND_GS4 24172	20.52 -0.48 0.00	19.16 -0.45 0.00	16.95 -0.42 0.00	16.35 -0.38 0.00	16.32 -0.38 0.00	18.57 -0.40 0.00	21.01 -0.45 0.00	23.49 -0.58 0.00	24.77 -0.69 0.15	23.98 -0.62 2.21	27.11 -0.59 2.05	27.07 -0.63 3.75	27.02 -0.71 7.67	27.00 -0.68 10.31	27.10 -0.64 12.35	27.23 -0.64 14.87	27.34 -0.68 24.13	27.05 -0.85 37.20	26.93 -0.86 37.98	26.00 -0.58 31.50	26.89 -0.59 21.93	26.91 -0.53 13.23	26.80 -0.53 10.81	26.82 -0.58 4.66
SITHE___BATAVIA 24024	20.69 -0.31 0.00	19.28 -0.33 0.00	17.02 -0.35 0.00	16.52 -0.22 0.00	16.52 -0.18 0.00	19.01 0.04 0.00	21.79 0.32 0.00	24.19 0.12 0.00	26.12 0.51 0.00	28.06 1.26 0.00	31.48 1.72 0.00	33.40 1.95 0.00	37.66 2.27 0.00	41.03 3.04 0.00	43.86 3.77 0.00	47.10 4.36 0.00	57.83 5.69 0.00	72.20 7.10 0.00	72.75 6.97 -0.02	64.84 6.73 -0.02	54.60 5.19 0.00	44.98 4.31 0.00	41.99 3.85 0.00	34.47 2.41 0.00



SITHE___INDEPEND 23800	20.52 -0.48 0.00	19.16 -0.45 0.00	16.95 -0.42 0.00	16.35 -0.38 0.00	16.32 -0.38 0.00	18.57 -0.40 0.00	21.01 -0.45 0.00	23.50 -0.58 0.00	24.77 -0.69 0.15	23.98 -0.62 2.21	27.08 -0.62 2.05	27.07 -0.63 3.75	27.02 -0.71 7.67	27.00 -0.68 10.31	27.10 -0.64 12.35	27.23 -0.64 14.87	27.29 -0.73 24.13	26.99 -0.91 37.20	26.80 -0.99 37.98	25.83 -0.76 31.50	26.84 -0.64 21.93	26.87 -0.57 13.23	26.72 -0.61 10.81	26.79 -0.61 4.66
SITHE___MASSENA 23902	20.65 -0.36 0.00	19.26 -0.35 0.00	17.06 -0.30 0.01	15.39 -0.30 1.05	16.41 -0.28 0.01	18.02 -0.34 0.60	21.05 -0.41 0.01	23.39 -0.67 0.01	24.89 -0.72 0.00	25.89 -0.91 0.00	28.77 -0.98 0.00	30.73 -0.72 0.00	34.44 -0.95 0.00	36.92 -1.06 0.00	38.77 -1.32 0.00	41.67 -1.07 0.00	50.74 -1.41 0.00	63.99 -1.11 0.00	64.98 -0.79 0.00	57.27 -0.81 0.00	47.64 -1.78 0.00	39.29 -1.38 0.00	36.81 -1.34 0.00	31.00 -1.06 0.00
SITHE___OGDNSBRG 24021	20.77 -0.23 0.00	19.38 -0.24 0.00	17.15 -0.21 0.01	15.60 -0.20 0.94	16.50 -0.20 0.01	18.20 -0.23 0.54	21.20 -0.26 0.01	23.56 -0.51 0.01	25.04 -0.56 0.00	26.02 -0.78 0.00	28.92 -0.83 0.00	30.95 -0.50 0.00	34.69 -0.71 0.00	37.15 -0.84 0.00	38.97 -1.12 0.00	41.92 -0.81 0.00	51.31 -0.83 0.00	65.03 -0.07 0.00	66.42 0.66 0.00	58.60 0.52 0.00	48.72 -0.69 0.00	39.98 -0.69 0.00	37.45 -0.69 0.00	31.48 -0.58 0.00
SITHE___STERLING 23777	21.51 0.50 0.00	20.10 0.49 0.00	17.76 0.40 0.00	17.12 0.39 0.00	17.12 0.42 0.00	19.48 0.51 0.00	22.13 0.67 0.00	24.84 0.77 0.00	26.49 0.87 -0.01	27.89 0.96 -0.13	31.03 1.16 -0.12	32.86 1.19 -0.21	37.25 1.42 -0.43	40.24 1.67 -0.58	42.60 1.81 -0.70	45.63 2.05 -0.84	56.28 2.76 -1.37	70.90 3.71 -2.10	71.92 4.01 -2.15	63.58 3.72 -1.78	53.86 3.21 -1.24	43.86 2.44 -0.75	40.81 2.06 -0.61	33.89 1.57 -0.26
SLEIGHT___34_KV_TB1 80719	20.61 -0.40 0.00	19.22 -0.39 0.00	16.98 -0.38 0.00	16.40 -0.33 0.00	16.41 -0.30 0.00	18.76 -0.21 0.00	21.38 -0.09 0.00	23.86 -0.22 0.00	25.64 0.03 -0.01	27.32 0.43 -0.09	30.48 0.65 -0.08	32.41 0.82 -0.15	36.61 0.92 -0.30	39.68 1.29 -0.40	42.29 1.72 -0.48	45.41 2.09 -0.57	55.85 2.76 -0.93	70.03 3.52 -1.42	70.65 3.42 -1.46	62.43 3.14 -1.22	52.67 2.42 -0.84	43.09 1.91 -0.50	39.96 1.41 -0.41	33.07 0.83 -0.18
SOUTH CAIRO___GT 23612	22.29 1.28 0.00	20.79 1.18 0.00	18.35 0.99 0.00	17.67 0.94 0.00	17.64 0.94 0.00	19.97 1.01 0.00	22.67 1.20 0.00	25.35 1.28 0.00	27.02 1.41 0.00	27.95 1.15 0.00	30.91 1.16 0.00	32.46 1.01 0.00	36.60 1.20 0.00	39.28 1.29 0.00	41.66 1.56 0.00	44.57 1.84 0.00	54.70 2.56 0.00	68.18 3.78 0.70	69.16 4.08 0.68	61.86 3.89 0.12	52.77 3.36 0.00	43.40 2.73 0.00	40.39 2.25 0.00	33.92 1.86 0.00
SOUTH HAMPTN___IC 23720	32.60 2.16 -9.43	29.28 2.04 -7.63	24.21 1.82 -5.03	24.21 1.72 -5.75	24.83 1.75 -6.37	28.03 1.91 -7.15	32.48 2.23 -8.78	33.32 2.70 -6.55	33.54 2.97 -4.97	33.78 3.08 -3.89	43.98 3.36 -10.87	44.85 3.46 -9.94	45.94 3.96 -6.58	47.04 4.10 -4.94	49.13 4.17 -4.87	66.93 4.40 -19.79	78.85 5.47 -21.22	99.31 6.90 -27.32	96.41 6.58 -24.07	80.08 5.46 -16.54	64.17 5.09 -9.67	67.47 3.90 -22.89	44.68 4.54 -2.00	36.08 4.01 -0.02
SOUTHDOW___115KV_TB1 355954	20.50 -0.50 0.00	19.10 -0.51 0.00	16.93 -0.43 0.00	16.57 -0.17 0.00	16.62 -0.08 0.00	19.14 0.17 0.00	22.13 0.67 0.00	24.39 0.31 0.00	26.63 1.02 0.00	28.81 2.01 0.00	32.40 2.65 0.00	34.59 3.14 0.00	39.00 3.61 0.00	42.55 4.56 0.00	45.66 5.57 0.00	48.98 6.24 0.00	60.02 7.87 0.00	74.60 9.50 0.00	74.67 8.88 -0.03	66.06 7.96 -0.03	56.04 6.62 0.00	45.96 5.29 0.00	42.57 4.42 0.00	35.39 3.33 0.00
SOUTHOLD_69_KV_BK 2 55809	32.99 2.56 -9.43	29.67 2.43 -7.63	24.54 2.15 -5.03	24.52 2.04 -5.75	25.14 2.07 -6.37	28.41 2.30 -7.15	32.91 2.66 -8.78	33.85 3.23 -6.55	34.11 3.53 -4.97	34.39 3.70 -3.89	44.69 4.08 -10.87	45.67 4.28 -9.94	46.90 4.92 -6.58	48.10 5.17 -4.94	50.30 5.33 -4.87	68.33 5.81 -19.78	80.51 7.14 -21.22	101.13 8.72 -27.31	98.25 8.42 -24.06	81.87 7.26 -16.53	65.50 6.42 -9.66	68.60 5.04 -22.89	45.67 5.53 -2.00	36.82 4.74 -0.02
SOUTHOLD___IC 23719	32.99 2.56 -9.43	29.67 2.43 -7.63	24.54 2.15 -5.03	24.52 2.04 -5.75	25.14 2.07 -6.37	28.41 2.29 -7.15	32.91 2.66 -8.78	33.85 3.23 -6.55	34.11 3.54 -4.97	34.40 3.70 -3.89	44.73 4.11 -10.87	45.63 4.24 -9.94	46.86 4.89 -6.58	48.06 5.13 -4.94	50.30 5.33 -4.87	68.33 5.81 -19.78	80.61 7.25 -21.22	101.65 9.24 -27.31	98.70 8.87 -24.06	82.05 7.44 -16.53	65.70 6.62 -9.66	68.69 5.12 -22.89	45.71 5.57 -2.00	36.92 4.84 -0.02
SOUTH_FORK_WT_PWR 323839	33.06 2.63 -9.43	29.73 2.49 -7.63	24.60 2.21 -5.03	24.59 2.11 -5.75	25.21 2.14 -6.37	28.47 2.35 -7.15	32.97 2.73 -8.78	33.92 3.30 -6.55	34.21 3.63 -4.97	34.53 3.83 -3.89	44.84 4.22 -10.87	45.79 4.40 -9.94	47.04 5.06 -6.58	48.25 5.32 -4.94	50.46 5.49 -4.87	68.55 6.03 -19.78	80.88 7.51 -21.22	101.99 9.57 -27.31	99.04 9.21 -24.07	82.28 7.67 -16.53	65.95 6.87 -9.67	68.85 5.29 -22.89	45.86 5.72 -2.00	37.05 4.97 -0.02
SPIERFLS_115KV_TB 1 80737	22.50 1.49 0.00	20.98 1.37 0.00	18.56 1.20 0.00	17.87 1.14 0.00	17.84 1.14 0.00	20.24 1.27 0.00	22.99 1.52 0.00	25.73 1.66 0.00	27.50 1.89 0.00	28.65 1.85 0.00	31.77 2.02 0.00	32.61 1.16 0.00	36.67 1.27 0.00	39.36 1.37 0.00	41.70 1.60 0.00	44.61 1.88 0.01	54.08 1.93 0.00	65.61 2.34 1.84	66.29 2.30 1.78	59.70 1.92 0.30	51.64 2.22 0.00	42.67 1.99 0.00	40.24 2.10 0.00	33.73 1.67 0.00
ST LAWRENCE____ 23600	20.52 -0.48 0.00	19.12 -0.49 0.00	16.92 -0.43 0.01	15.23 -0.40 1.10	16.28 -0.42 0.01	17.86 -0.47 0.63	20.88 -0.58 0.01	23.39 -0.67 0.01	24.86 -0.74 0.00	25.97 -0.83 0.00	28.80 -0.95 0.00	30.60 -0.85 0.00	34.40 -0.99 0.00	36.88 -1.10 0.00	38.89 -1.20 0.00	41.54 -1.20 0.00	50.53 -1.62 0.00	63.41 -1.69 0.00	64.26 -1.51 0.00	56.63 -1.45 0.00	47.64 -1.78 0.00	39.29 -1.38 0.00	36.81 -1.34 0.00	30.94 -1.12 0.00
STATE_CA_115KV_115_LB 55624	21.74 0.74 0.00	20.34 0.73 0.00	18.01 0.64 0.00	17.34 0.60 0.00	17.29 0.58 0.00	19.57 0.61 0.00	22.15 0.69 0.00	24.84 0.77 0.00	26.48 0.87 0.00	27.53 0.72 0.00	30.41 0.65 0.00	31.98 0.53 0.00	36.03 0.64 0.00	38.60 0.61 0.00	40.73 0.64 0.01	43.33 0.60 0.00	52.83 0.68 1.74	63.94 0.59 1.69	64.54 0.46 1.69	58.32 0.52 0.28	50.16 0.74 0.00	41.44 0.77 0.00	38.94 0.80 0.00	32.83 0.77 0.00
STATE_ST_34_KV_LOAD 55959	21.03 0.02 0.00	19.61 0.00 0.00	17.36 0.00 0.00	16.72 -0.02 0.00	16.74 0.03 0.00	19.08 0.11 0.00	21.68 0.21 0.00	24.27 0.19 0.00	25.91 0.28 -0.02	27.69 0.54 -0.35	30.76 0.68 -0.33	32.84 0.79 -0.60	37.54 0.92 -1.23	40.78 1.14 -1.65	43.55 1.48 -1.98	46.83 1.71 -2.38	58.26 2.24 -3.87	74.01 2.99 -5.92	74.85 3.03 -6.06	65.96 2.85 -5.03	55.18 2.27 -3.49	44.57 1.79 -2.10	41.23 1.37 -1.72	33.70 0.90 -0.74



STATION 5_MISC_HYD 23604	20.63 -0.38 0.00	19.24 -0.37 0.00	16.98 -0.38 0.00	16.42 -0.32 0.00	16.42 -0.28 0.00	18.80 -0.17 0.00	21.46 0.00 0.00	23.95 -0.12 0.00	25.71 0.10 0.00	27.44 0.64 0.00	30.73 0.98 0.00	32.61 1.16 0.00	36.74 1.34 0.00	39.81 1.82 0.00	42.42 2.32 0.00	45.47 2.74 0.00	55.80 3.65 0.00	69.53 4.43 0.00	70.05 4.27 -0.02	62.57 4.47 -0.02	52.53 3.11 0.00	43.24 2.56 0.00	40.43 2.29 0.00	33.34 1.28 0.00
STA_168_34_KV_BK1_2_REV_LBMP_B 345032	20.84 -0.17 0.00	19.42 -0.20 0.00	17.16 -0.21 0.00	16.57 -0.17 0.00	16.57 -0.13 0.00	18.95 -0.02 0.00	21.61 0.15 0.00	24.15 0.07 0.00	25.97 0.36 -0.01	27.70 0.80 -0.09	30.91 1.07 -0.08	32.92 1.32 -0.15	37.16 1.45 -0.32	40.31 1.90 -0.42	43.01 2.41 -0.51	46.21 2.86 -0.61	56.90 3.75 -0.99	71.37 4.75 -1.51	71.93 4.60 -1.56	63.56 4.18 -1.30	53.57 3.26 -0.89	43.85 2.64 -0.54	40.60 2.02 -0.44	33.56 1.31 -0.19
STA_56_34_KV_BUS2_REV_LBMP_B 345033	20.54 -0.46 0.00	19.16 -0.45 0.00	16.91 -0.45 0.00	16.35 -0.38 0.00	16.36 -0.35 0.00	18.72 -0.25 0.00	21.36 -0.11 0.00	23.76 -0.31 0.00	25.61 0.00 0.00	27.31 0.51 0.00	30.49 0.74 0.00	32.42 0.97 0.00	36.46 1.06 0.00	39.51 1.52 0.00	42.14 2.04 0.00	45.22 2.48 0.00	55.43 3.29 0.00	69.07 3.97 0.00	69.53 3.75 -0.02	61.52 3.43 -0.02	52.03 2.62 0.00	42.83 2.16 0.00	39.78 1.64 0.00	33.02 0.96 0.00
STA_56____34_KV_BUS2 355983	20.54 -0.46 0.00	19.16 -0.45 0.00	16.91 -0.45 0.00	16.35 -0.38 0.00	16.36 -0.35 0.00	18.72 -0.25 0.00	21.36 -0.11 0.00	23.76 -0.31 0.00	25.61 0.00 0.00	27.31 0.51 0.00	30.49 0.74 0.00	32.42 0.97 0.00	36.46 1.06 0.00	39.51 1.52 0.00	42.14 2.04 0.00	45.22 2.48 0.00	55.43 3.29 0.00	69.07 3.97 0.00	69.53 3.75 -0.02	61.52 3.43 -0.02	52.03 2.62 0.00	42.83 2.16 0.00	39.78 1.64 0.00	33.02 0.96 0.00
STA_67____115KV_BK2 355882	20.58 -0.42 0.00	19.20 -0.41 0.00	16.95 -0.42 0.00	16.40 -0.33 0.00	16.39 -0.32 0.00	18.76 -0.21 0.00	21.42 -0.04 0.00	23.81 -0.26 0.00	25.63 0.03 0.00	27.36 0.56 0.00	30.55 0.80 0.00	32.49 1.04 0.00	36.56 1.17 0.00	39.62 1.63 0.00	42.26 2.16 0.00	45.30 2.56 0.00	55.54 3.39 0.00	69.20 4.10 0.00	69.66 3.88 -0.02	61.70 3.60 -0.02	52.18 2.77 0.00	42.99 2.32 0.00	39.93 1.79 0.00	33.18 1.12 0.00
STA_7____115KV_9TRANS 80674	20.73 -0.27 0.00	19.32 -0.29 0.00	17.05 -0.31 0.00	16.48 -0.25 0.00	16.49 -0.22 0.00	18.87 -0.09 0.00	21.55 0.09 0.00	23.98 -0.10 0.00	25.86 0.26 0.00	27.61 0.80 0.00	30.82 1.07 0.00	32.83 1.38 0.00	36.92 1.52 0.00	40.00 2.01 0.00	42.70 2.61 0.00	45.86 3.12 0.00	56.22 4.07 0.00	70.05 4.95 0.00	70.45 4.67 -0.02	62.34 4.24 -0.02	52.82 3.41 0.00	43.44 2.77 0.00	40.32 2.17 0.00	33.47 1.41 0.00
STA_82____115KV_TB1 80780	20.61 -0.40 0.00	19.20 -0.41 0.00	16.95 -0.42 0.00	16.40 -0.33 0.00	16.39 -0.32 0.00	18.78 -0.19 0.00	21.42 -0.04 0.00	23.81 -0.26 0.00	25.66 0.05 0.00	27.39 0.59 0.00	30.55 0.80 0.00	32.52 1.07 0.00	36.56 1.17 0.00	39.62 1.63 0.00	42.26 2.16 0.00	45.34 2.61 0.00	55.59 3.44 0.00	69.27 4.17 0.00	69.73 3.95 -0.02	61.76 3.66 -0.02	52.23 2.82 0.00	42.99 2.32 0.00	39.93 1.79 0.00	33.18 1.12 0.00
STEEL____WIND 323596	20.35 -0.65 0.00	19.00 -0.61 0.00	16.81 -0.56 0.00	16.35 -0.38 0.00	16.35 -0.35 0.00	18.82 -0.15 0.00	21.59 0.13 0.00	23.81 -0.26 0.00	25.71 0.10 0.00	27.74 0.94 0.00	31.18 1.43 0.00	33.05 1.60 0.00	37.37 1.98 0.00	40.80 2.81 0.00	43.58 3.49 0.00	46.67 3.93 0.00	57.26 5.11 0.00	71.15 6.06 -0.02	71.71 5.92 -0.02	63.22 5.11 0.00	53.71 4.30 0.00	44.33 3.66 0.00	41.58 3.43 0.00	34.24 2.18 0.00
STEPHTWN_115KV_BK_2 55603	21.82 0.82 0.00	20.42 0.80 0.00	18.06 0.69 0.00	17.39 0.65 0.00	17.34 0.63 0.00	19.65 0.68 0.00	22.26 0.79 0.00	24.96 0.89 0.00	26.58 0.97 0.00	27.61 0.80 0.00	30.52 0.77 0.00	32.11 0.66 0.00	36.17 0.78 0.00	38.75 0.76 0.00	40.93 0.84 0.00	43.59 0.85 0.01	53.19 1.04 0.00	64.51 1.11 1.70	65.11 0.99 1.64	58.85 1.05 0.28	50.55 1.14 0.00	41.81 1.14 0.00	39.21 1.07 0.00	33.02 0.96 0.00
STEUBEN_REC_LFGE 323667	20.56 -0.44 0.00	19.16 -0.45 0.00	16.95 -0.42 0.00	16.43 -0.30 0.00	16.49 -0.22 0.00	18.93 -0.04 0.00	21.76 0.30 0.00	24.27 0.19 0.00	26.28 0.67 -0.01	28.28 1.37 -0.12	31.67 1.81 -0.11	33.75 2.11 -0.20	38.27 2.48 -0.40	41.64 3.12 -0.54	44.58 3.85 -0.64	47.87 4.36 -0.78	59.14 5.74 -1.26	74.23 7.23 -1.90	74.91 7.17 -1.98	66.12 6.39 -1.65	55.77 5.24 -1.12	45.46 4.11 -0.68	41.94 3.24 -0.55	34.83 2.53 -0.24
STILLWATER____SOLAR 323814	22.24 1.24 0.00	20.77 1.16 0.00	18.37 1.01 0.00	17.69 0.95 0.00	17.67 0.97 0.00	20.03 1.06 0.00	22.73 1.27 0.00	25.42 1.35 0.00	27.12 1.51 0.00	28.22 1.42 0.00	31.03 1.28 0.00	32.68 1.23 0.00	36.77 1.38 0.00	39.43 1.44 0.00	41.70 1.61 0.00	44.48 1.75 0.01	54.29 2.14 0.00	65.55 2.47 2.02	66.31 2.50 1.96	59.96 2.21 0.33	51.79 2.37 0.00	42.70 2.03 0.00	40.12 1.98 0.00	33.76 1.70 0.00
STONY____BROOK 24151	32.34 1.91 -9.43	29.05 1.80 -7.63	24.01 1.62 -5.03	24.00 1.52 -5.75	24.61 1.54 -6.37	27.81 1.69 -7.15	32.20 1.95 -8.78	33.01 2.38 -6.55	33.19 2.61 -4.97	33.38 2.68 -3.89	43.50 2.88 -10.87	44.31 2.93 -9.94	45.27 3.29 -6.58	46.23 3.30 -4.94	48.16 3.25 -4.82	64.79 2.99 -19.06	75.93 3.70 -20.08	95.15 4.62 -25.43	92.44 4.27 -22.40	76.95 3.43 -15.44	61.96 3.46 -9.09	65.55 2.73 -22.15	43.88 3.74 -2.00	35.47 3.40 -0.02
STURGEON_POOL_HYD 23609	22.10 1.09 0.00	20.63 1.02 0.00	18.28 0.92 0.00	17.57 0.84 0.00	17.56 0.85 0.00	19.88 0.91 0.00	22.49 1.03 0.00	25.47 1.40 0.00	27.12 1.51 0.00	28.36 1.55 0.00	31.57 1.81 0.00	33.27 1.82 0.00	37.45 2.05 0.00	40.04 2.05 0.00	42.06 1.96 0.00	44.62 1.88 0.00	54.39 2.24 0.00	68.62 2.67 -0.85	68.89 2.30 -0.82	60.19 1.97 -0.13	51.44 2.03 0.00	42.14 1.46 0.00	39.82 1.68 0.00	33.66 1.60 0.00
ST_LAW_115_BK7_LBMP 345037	20.48 -0.52 0.00	19.10 -0.51 0.00	16.90 -0.45 0.01	15.21 -0.44 1.09	16.26 -0.43 0.01	17.83 -0.51 0.63	20.83 -0.62 0.01	23.32 -0.75 0.01	24.81 -0.79 0.00	25.89 -0.91 0.00	28.71 -1.04 0.00	30.54 -0.91 0.00	34.30 -1.10 0.00	36.77 -1.22 0.00	38.73 -1.36 0.00	41.46 -1.28 0.00	50.38 -1.77 0.00	63.28 -1.82 0.00	64.19 -1.58 0.00	56.57 -1.51 0.00	47.54 -1.88 0.00	39.17 -1.50 0.00	36.69 -1.45 0.00	30.87 -1.19 0.00
ST_LAW_115_BK8_LBMP 345038	20.48 -0.52 0.00	19.10 -0.51 0.00	16.90 -0.45 0.01	15.21 -0.44 1.09	16.26 -0.43 0.01	17.83 -0.51 0.63	20.83 -0.62 0.01	23.32 -0.75 0.01	24.81 -0.79 0.00	25.89 -0.91 0.00	28.71 -1.04 0.00	30.54 -0.91 0.00	34.30 -1.10 0.00	36.77 -1.22 0.00	38.73 -1.36 0.00	41.46 -1.28 0.00	50.38 -1.77 0.00	63.28 -1.82 0.00	64.19 -1.58 0.00	56.57 -1.51 0.00	47.54 -1.88 0.00	39.17 -1.50 0.00	36.69 -1.45 0.00	30.87 -1.19 0.00



ST_LAW_230_BK5_LBMP 345035	20.52 -0.48 0.00	19.12 -0.49 0.00	16.92 -0.43 0.01	15.22 -0.40 1.11	16.28 -0.42 0.01	17.86 -0.47 0.64	20.88 -0.58 0.01	23.39 -0.67 0.01	24.86 -0.74 0.00	25.97 -0.83 0.00	28.80 -0.95 0.00	30.60 -0.85 0.00	34.40 -0.99 0.00	36.88 -1.10 0.00	38.89 -1.20 0.00	41.54 -1.20 0.00	50.53 -1.62 0.00	63.41 -1.69 0.00	64.26 -1.51 0.00	56.63 -1.45 0.00	47.64 -1.78 0.00	39.29 -1.38 0.00	36.81 -1.34 0.00	30.94 -1.12 0.00
ST_LAW_230_BK6_LBMP 345036	20.52 -0.48 0.00	19.12 -0.49 0.00	16.92 -0.43 0.01	15.22 -0.40 1.11	16.28 -0.42 0.01	17.86 -0.47 0.64	20.88 -0.58 0.01	23.39 -0.67 0.01	24.86 -0.74 0.00	25.97 -0.83 0.00	28.80 -0.95 0.00	30.60 -0.85 0.00	34.40 -0.99 0.00	36.88 -1.10 0.00	38.89 -1.20 0.00	41.54 -1.20 0.00	50.53 -1.62 0.00	63.41 -1.69 0.00	64.26 -1.51 0.00	56.63 -1.45 0.00	47.64 -1.78 0.00	39.29 -1.38 0.00	36.81 -1.34 0.00	30.94 -1.12 0.00
SUGRLOAF_69_KV_LOAD_REV_LBMP_G 345026	22.05 1.05 0.00	20.61 1.00 0.00	18.27 0.90 0.00	17.57 0.84 0.00	17.54 0.84 0.00	19.86 0.89 0.00	22.47 1.01 0.00	25.42 1.35 0.00	27.09 1.49 0.00	28.33 1.53 0.00	31.51 1.76 0.00	33.18 1.73 0.00	37.34 1.95 0.00	39.93 1.94 0.00	41.94 1.84 0.00	44.58 1.84 -0.01	54.34 2.19 0.00	68.95 2.21 -1.63	69.24 1.91 -1.57	59.96 1.63 -0.25	51.34 1.93 0.00	42.10 1.42 0.00	39.78 1.64 0.00	33.60 1.54 0.00
SWANROAD_115KV_TB1 355699	19.87 -1.13 0.00	18.55 -1.06 0.00	16.39 -0.97 0.00	15.93 -0.80 0.00	15.94 -0.77 0.00	18.34 -0.63 0.00	21.03 -0.43 0.00	22.99 -1.08 0.00	24.97 -0.64 0.00	26.96 0.16 0.00	30.08 0.33 0.00	32.05 0.60 0.00	36.10 0.71 0.00	39.32 1.33 0.00	42.18 2.08 0.00	45.22 2.48 0.00	55.38 3.23 0.00	68.87 3.78 0.00	69.14 3.35 -0.02	61.24 3.14 -0.02	51.89 2.47 0.00	42.79 2.11 0.00	39.86 1.72 0.00	33.18 1.12 0.00
SYNERGY___BIOGAS 323694	20.69 -0.31 0.00	19.28 -0.33 0.00	17.02 -0.35 0.00	16.52 -0.22 0.00	16.52 -0.18 0.00	19.01 0.04 0.00	21.79 0.32 0.00	24.19 0.12 0.00	26.12 0.51 0.00	28.06 1.26 0.00	31.48 1.72 0.00	33.40 1.95 0.00	37.66 2.27 0.00	41.03 3.04 0.00	43.86 3.77 0.00	47.10 4.36 0.00	57.83 5.69 0.00	72.20 7.10 0.00	72.75 6.97 -0.02	64.84 6.73 -0.02	54.60 5.19 0.00	44.98 4.31 0.00	41.99 3.85 0.00	34.47 2.41 0.00
SYRACUSE___ENERGY_ST1 323597	20.94 -0.06 0.00	19.55 -0.06 0.00	17.31 -0.05 0.00	16.69 -0.05 0.00	16.67 -0.03 0.00	18.97 0.00 0.00	21.51 0.04 0.00	24.07 0.00 0.00	25.66 0.03 -0.03	27.41 0.19 -0.42	30.44 0.30 -0.39	32.51 0.35 -0.72	37.28 0.42 -1.47	40.49 0.53 -1.97	43.21 0.76 -2.36	46.43 0.85 -2.84	57.91 1.15 -4.61	73.62 1.43 -7.09	74.40 1.38 -7.25	65.49 1.39 -6.02	54.73 1.14 -4.18	44.09 0.89 -2.52	40.85 0.65 -2.06	33.37 0.42 -0.89
SYRACUSE___ENERGY_ST2 323598	20.94 -0.06 0.00	19.55 -0.06 0.00	17.31 -0.05 0.00	16.69 -0.05 0.00	16.67 -0.03 0.00	18.97 0.00 0.00	21.51 0.04 0.00	24.07 0.00 0.00	25.66 0.03 -0.03	27.41 0.19 -0.42	30.44 0.30 -0.39	32.51 0.35 -0.72	37.28 0.42 -1.47	40.49 0.53 -1.97	43.21 0.76 -2.36	46.43 0.85 -2.84	57.91 1.15 -4.61	73.62 1.43 -7.09	74.40 1.38 -7.25	65.49 1.39 -6.02	54.73 1.14 -4.18	44.09 0.89 -2.52	40.85 0.65 -2.06	33.37 0.42 -0.89
SYRACUSE___POWER 24017	20.86 -0.15 0.00	19.45 -0.16 0.00	17.22 -0.14 0.00	16.62 -0.12 0.00	16.61 -0.10 0.00	18.89 -0.08 0.00	21.42 -0.04 0.00	23.98 -0.10 0.00	25.55 -0.08 -0.02	27.17 0.08 -0.28	30.19 0.18 -0.26	32.12 0.19 -0.48	36.66 0.28 -0.99	39.66 0.34 -1.33	42.20 0.52 -1.59	45.25 0.60 -1.91	56.09 0.83 -3.11	70.85 0.98 -4.77	71.64 0.99 -4.88	63.12 0.99 -4.05	53.02 0.79 -2.81	42.98 0.61 -1.70	39.95 0.42 -1.39	32.91 0.26 -0.60
TALLMAN___138KV_BK151 55660	22.20 1.20 0.00	20.75 1.14 0.00	18.39 1.02 0.00	17.69 0.95 0.00	17.66 0.95 0.00	19.97 1.01 0.00	22.62 1.16 0.00	25.64 1.56 0.00	27.32 1.72 0.00	28.57 1.77 0.00	31.77 2.02 0.00	33.49 2.04 0.00	37.66 2.27 0.00	40.23 2.24 0.00	42.22 2.12 0.00	44.79 2.05 -0.01	54.55 2.40 0.00	69.33 2.47 -1.76	69.49 2.04 -1.69	60.10 1.74 -0.27	51.44 2.03 0.00	42.18 1.50 0.00	39.93 1.79 0.00	33.82 1.76 0.00
TEALLAVE_115KV_TB7 355573	20.86 -0.15 0.00	19.47 -0.14 0.00	17.22 -0.14 0.00	16.62 -0.12 0.00	16.61 -0.10 0.00	18.89 -0.08 0.00	21.42 -0.04 0.00	24.00 -0.07 0.00	25.55 -0.08 -0.02	27.14 0.11 -0.23	30.17 0.21 -0.21	32.06 0.22 -0.39	36.48 0.28 -0.80	39.44 0.38 -1.08	41.94 0.56 -1.29	44.93 0.64 -1.55	55.50 0.83 -2.52	70.01 1.04 -3.87	70.71 0.99 -3.96	62.35 0.99 -3.29	52.49 0.79 -2.28	42.66 0.61 -1.38	39.68 0.42 -1.12	32.83 0.29 -0.49
TELGRAPH_34_KV_EAST 80808	20.37 -0.63 0.00	19.00 -0.61 0.00	16.77 -0.59 0.00	16.30 -0.44 0.00	16.29 -0.42 0.00	18.74 -0.23 0.00	21.51 0.04 0.00	23.64 -0.43 0.00	25.66 0.05 0.00	27.66 0.86 0.00	30.88 1.13 0.00	32.93 1.48 0.00	37.06 1.66 0.00	40.38 2.39 0.00	43.26 3.17 0.00	46.45 3.72 0.00	56.95 4.80 0.00	70.89 5.79 0.00	71.24 5.46 -0.02	63.10 4.99 -0.02	53.42 4.00 0.00	44.01 3.34 0.00	40.89 2.75 0.00	33.95 1.89 0.00
TEMPLE___115KV_TB 2 55572	20.86 -0.15 0.00	19.47 -0.14 0.00	17.24 -0.12 0.00	16.62 -0.12 0.00	16.61 -0.10 0.00	18.91 -0.06 0.00	21.44 -0.02 0.00	24.00 -0.07 0.00	25.57 -0.05 -0.02	27.14 0.11 -0.23	30.17 0.21 -0.21	32.09 0.25 -0.39	36.51 0.32 -0.80	39.44 0.38 -1.07	41.98 0.60 -1.29	44.93 0.64 -1.55	55.55 0.89 -2.51	70.07 1.11 -3.86	70.77 1.05 -3.95	62.41 1.05 -3.28	52.53 0.84 -2.28	42.70 0.65 -1.37	39.72 0.46 -1.12	32.83 0.29 -0.48
TIANA___69_KV_BK 1 55817	32.49 2.06 -9.43	29.20 1.96 -7.63	24.13 1.74 -5.03	24.12 1.64 -5.75	24.76 1.69 -6.37	27.96 1.84 -7.15	32.37 2.12 -8.78	33.22 2.60 -6.55	33.42 2.84 -4.97	33.62 2.92 -3.89	43.77 3.15 -10.87	44.69 3.30 -9.94	45.73 3.75 -6.58	46.81 3.87 -4.94	48.85 3.89 -4.87	66.62 4.10 -19.78	78.32 4.95 -21.22	98.40 5.99 -27.31	95.49 5.66 -24.07	79.49 4.88 -16.53	63.62 4.55 -9.66	67.10 3.54 -22.89	44.41 4.27 -2.00	35.83 3.75 -0.02
TILDEN___115KV_TB1 80814	20.86 -0.15 0.00	19.45 -0.16 0.00	17.22 -0.14 0.00	16.62 -0.12 0.00	16.61 -0.10 0.00	18.89 -0.08 0.00	21.42 -0.04 0.00	23.98 -0.10 0.00	25.55 -0.08 -0.02	27.17 0.08 -0.28	30.19 0.18 -0.26	32.12 0.19 -0.48	36.66 0.28 -0.99	39.66 0.34 -1.33	42.20 0.52 -1.59	45.25 0.60 -1.91	56.09 0.83 -3.11	70.85 0.98 -4.77	71.64 0.99 -4.88	63.12 0.99 -4.05	53.02 0.79 -2.81	42.98 0.61 -1.70	39.95 0.42 -1.39	32.91 0.26 -0.60
TRIGEN___CC 323695	32.09 1.66 -9.43	28.83 1.59 -7.63	23.81 1.42 -5.03	23.80 1.32 -5.75	24.39 1.32 -6.37	27.58 1.46 -7.15	31.90 1.65 -8.78	32.74 2.12 -6.55	32.90 2.33 -4.97	33.08 2.39 -3.89	43.21 2.59 -10.87	44.00 2.61 -9.94	44.92 2.94 -6.58	45.93 3.00 -4.94	47.94 2.89 -4.96	66.75 2.91 -21.11	78.87 3.39 -23.33	99.60 3.71 -30.79	96.20 3.29 -27.14	79.53 2.90 -18.55	63.26 3.11 -10.73	67.33 2.40 -24.25	42.89 2.75 -2.00	34.61 2.53 -0.02



TRINITY__115KV__4 BK 55933	21.68 0.67 0.00	20.28 0.67 0.00	17.97 0.61 0.00	17.30 0.57 0.00	17.24 0.53 0.00	19.54 0.57 0.00	22.11 0.64 0.00	24.80 0.72 0.00	26.40 0.79 0.00	27.42 0.62 0.00	30.32 0.57 0.00	31.86 0.41 0.00	35.85 0.46 0.00	38.41 0.42 0.00	40.53 0.44 0.00	43.07 0.34 0.01	52.51 0.37 0.00	63.52 0.13 1.71	64.11 0.00 1.65	57.92 0.12 0.28	49.86 0.44 0.00	41.20 0.53 0.00	38.71 0.57 0.00	32.67 0.61 0.00
UNION__PROCESSING_DRP 323587	20.61 -0.40 0.00	19.20 -0.41 0.00	16.96 -0.40 0.00	16.40 -0.33 0.00	16.41 -0.30 0.00	18.78 -0.19 0.00	21.42 -0.04 0.00	23.83 -0.24 0.00	25.66 0.05 0.00	27.39 0.59 0.00	30.58 0.83 0.00	32.52 1.07 0.00	36.60 1.20 0.00	39.62 1.63 0.00	42.26 2.16 0.00	45.34 2.61 0.00	55.59 3.44 0.00	69.33 4.23 0.00	69.79 4.01 -0.02	61.76 3.66 -0.02	52.23 2.82 0.00	43.03 2.36 0.00	39.93 1.79 0.00	33.21 1.15 0.00
UPPER HUDSON__HYD 24058	22.50 1.49 0.00	20.98 1.37 0.00	18.56 1.20 0.00	17.87 1.14 0.00	17.84 1.14 0.00	20.24 1.27 0.00	22.99 1.52 0.00	25.71 1.64 0.00	27.50 1.89 0.00	28.65 1.85 0.00	30.97 1.22 0.00	32.58 1.13 0.00	36.67 1.27 0.00	39.35 1.37 0.00	41.70 1.61 0.00	44.61 1.88 0.01	54.18 2.03 0.00	65.74 2.47 1.84	66.42 2.43 1.78	59.76 1.98 0.30	51.79 2.37 0.00	42.70 2.03 0.00	40.28 2.13 0.00	33.79 1.73 0.00
UPPER RAQUET__HYD 24056	20.50 -0.50 0.00	19.12 -0.49 0.00	16.92 -0.43 0.01	15.44 -0.44 0.86	16.28 -0.42 0.01	18.00 -0.47 0.50	20.92 -0.54 0.01	23.25 -0.82 0.01	24.74 -0.87 0.00	25.80 -1.07 -0.07	28.66 -1.16 -0.07	30.76 -0.82 -0.12	34.51 -1.13 -0.25	36.89 -1.44 -0.34	38.62 -1.88 -0.41	41.60 -1.62 -0.49	50.76 -2.19 -0.80	64.17 -2.15 -1.22	65.37 -1.64 -1.25	57.60 -1.51 -1.03	47.66 -2.47 -0.72	39.24 -1.87 -0.43	36.93 -1.57 -0.35	31.03 -1.19 -0.15
VALLEY44_115KV_TB2 355964	20.48 -0.53 0.00	19.10 -0.51 0.00	16.93 -0.43 0.00	16.50 -0.23 0.00	16.49 -0.22 0.00	18.87 -0.09 0.00	21.66 0.19 0.00	23.78 -0.29 0.00	25.79 0.18 0.00	27.74 0.94 0.00	31.09 1.34 0.00	33.05 1.60 0.00	37.27 1.88 0.00	40.31 2.32 0.00	43.18 3.09 0.00	46.37 3.63 0.00	56.95 4.80 0.00	70.63 5.53 0.00	70.66 4.87 -0.03	61.83 3.72 -0.03	52.92 3.51 0.00	43.52 2.85 0.00	40.47 2.33 0.00	34.08 2.02 0.00
VALLEY__115KV_TB 1-4 80826	21.24 0.23 0.00	19.87 0.25 0.00	17.57 0.21 0.00	16.99 0.20 -0.05	16.92 0.22 0.00	19.26 0.27 -0.03	21.81 0.34 0.00	24.48 0.41 0.00	26.09 0.49 0.00	27.36 0.56 0.00	30.41 0.65 0.00	32.11 0.66 0.00	36.17 0.78 0.00	38.86 0.87 0.00	40.97 0.88 0.00	43.72 0.98 0.00	53.30 1.15 0.00	66.53 1.43 0.00	67.21 1.45 0.00	59.36 1.28 0.00	50.60 1.19 0.00	41.57 0.89 0.00	38.94 0.80 0.00	32.77 0.71 0.00
VINEGAR_115_KV_917_CH_LD_REV_LBMP_E 345011	21.95 0.95 0.00	20.53 0.92 0.00	18.13 0.76 0.00	17.46 0.72 0.00	17.44 0.74 0.00	19.84 0.87 0.00	22.54 1.07 0.00	25.30 1.23 0.00	27.05 1.43 0.00	28.45 1.58 -0.06	31.63 1.81 -0.06	33.48 1.92 -0.11	37.81 2.19 -0.22	40.72 2.43 -0.30	43.02 2.57 -0.36	46.03 2.86 -0.43	56.30 3.44 -0.71	70.40 4.10 -1.20	71.48 4.21 -1.51	63.27 3.89 -1.30	53.63 3.51 -0.71	43.82 2.73 -0.43	40.93 2.44 -0.35	34.23 2.02 -0.15
VISCHER__FERRY HYD 24020	21.99 0.99 0.00	20.55 0.94 0.00	18.20 0.83 0.00	17.52 0.79 0.00	17.49 0.79 0.00	19.84 0.87 0.00	22.47 1.01 0.00	25.16 1.08 0.00	26.79 1.18 0.00	27.85 1.04 0.00	30.76 1.01 0.00	32.36 0.91 0.00	36.38 0.99 0.00	38.94 0.95 0.00	41.13 1.04 0.00	43.67 0.94 0.01	53.35 1.20 0.00	63.93 1.30 2.47	64.49 1.12 2.39	58.67 0.99 0.40	50.75 1.33 0.00	41.93 1.26 0.00	39.32 1.18 0.00	33.21 1.15 0.00
V_A_10_SYNC_DSASP 323832	20.10 -0.90 0.00	18.79 -0.82 0.00	16.58 -0.78 0.00	16.08 -0.65 0.00	16.09 -0.62 0.00	18.46 -0.51 0.00	21.12 -0.34 0.00	23.40 -0.67 0.00	25.17 -0.44 0.00	27.02 0.21 0.00	30.29 0.54 0.00	32.08 0.63 0.00	36.21 0.81 0.00	39.35 1.37 0.00	41.98 1.88 0.00	45.00 2.26 0.00	55.12 2.97 0.00	68.61 3.51 0.00	69.14 3.35 -0.02	61.93 3.83 -0.02	51.79 2.37 0.00	42.75 2.07 0.00	40.09 1.94 0.00	33.02 0.96 0.00
V_CMM_10_SYNC_DSASP 323787	20.54 -0.46 0.00	19.16 -0.45 0.00	16.97 -0.38 0.01	15.28 -0.37 1.09	16.31 -0.38 0.01	17.91 -0.44 0.63	20.92 -0.54 0.01	23.42 -0.65 0.01	24.92 -0.69 0.00	25.97 -0.83 0.00	28.83 -0.92 0.00	30.66 -0.79 0.00	34.44 -0.95 0.00	36.92 -1.06 0.00	38.93 -1.16 0.00	41.63 -1.11 0.00	50.64 -1.51 0.00	63.60 -1.49 0.00	64.51 -1.25 0.00	56.86 -1.22 0.00	47.73 -1.68 0.00	39.37 -1.30 0.00	36.88 -1.26 0.00	31.00 -1.06 0.00
V_CMP_10_SYNC_DSASP 323788	20.86 -0.15 0.00	19.30 -0.31 0.00	16.99 -0.37 0.01	15.18 -0.49 1.07	16.30 -0.40 0.01	17.80 -0.55 0.62	20.94 -0.52 0.01	23.61 -0.46 0.01	24.99 -0.61 0.00	26.05 -0.75 0.00	29.22 -0.53 0.00	31.20 -0.25 0.00	35.04 -0.35 0.00	37.57 -0.42 0.00	39.57 -0.52 0.00	42.23 -0.51 0.00	48.55 -3.60 0.00	59.63 -5.47 0.00	61.10 -4.67 0.00	54.07 -4.01 0.00	45.02 -4.40 0.00	38.23 -2.44 0.00	35.55 -2.59 0.00	29.75 -2.31 0.00
V_D_10_SYNC_DSASP 323841	20.65 -0.36 0.00	19.26 -0.35 0.00	17.06 -0.30 0.01	15.40 -0.28 1.05	16.41 -0.28 0.01	18.02 -0.34 0.61	21.05 -0.41 0.01	23.39 -0.67 0.01	24.89 -0.72 0.00	25.92 -0.88 0.00	28.77 -0.98 0.00	30.73 -0.72 0.00	34.47 -0.92 0.00	36.92 -1.06 0.00	38.81 -1.28 0.00	41.67 -1.07 0.00	50.74 -1.41 0.00	63.99 -1.11 0.00	64.98 -0.79 0.00	57.27 -0.81 0.00	47.68 -1.73 0.00	39.33 -1.34 0.00	36.84 -1.30 0.00	31.00 -1.06 0.00
V_E_10_SYNC_DSASP 323830	22.12 1.11 0.00	20.69 1.08 0.00	18.16 0.80 0.00	17.51 0.77 0.00	17.51 0.80 0.00	19.99 1.02 0.00	22.88 1.42 0.00	26.43 2.36 0.00	28.46 2.84 -0.01	30.10 3.19 -0.11	33.78 3.93 -0.10	36.01 4.37 -0.19	40.95 5.17 -0.38	44.62 6.12 -0.52	47.29 6.58 -0.62	50.84 7.35 -0.75	63.16 9.80 -1.21	77.04 9.18 -2.76	78.69 9.99 -2.94	69.71 9.17 -2.46	58.94 7.90 -1.63	47.59 5.94 -0.98	43.98 5.03 -0.80	36.22 3.81 -0.35
V_F_30_NSYNC__DSASP 323816	22.26 1.26 0.00	20.79 1.18 0.00	18.39 1.02 0.00	17.71 0.97 0.00	17.67 0.97 0.00	20.05 1.08 0.00	22.73 1.27 0.00	25.42 1.35 0.00	27.14 1.54 0.00	28.25 1.45 0.00	31.09 1.34 0.00	32.74 1.29 0.00	36.85 1.45 0.00	39.51 1.52 0.00	41.78 1.68 0.00	44.57 1.84 0.01	54.39 2.24 0.00	65.83 2.67 1.94	66.52 2.63 1.88	60.15 2.38 0.31	51.88 2.47 0.00	42.83 2.15 0.00	40.20 2.06 0.00	33.82 1.76 0.00
V_F_30_SYNC_DSASP 323786	21.74 0.74 0.00	20.34 0.73 0.00	18.01 0.64 0.00	17.34 0.60 0.00	17.29 0.58 0.00	19.57 0.61 0.00	22.15 0.69 0.00	24.84 0.77 0.00	26.48 0.87 0.00	27.53 0.72 0.00	30.41 0.65 0.00	31.98 0.53 0.00	36.03 0.64 0.00	38.60 0.61 0.00	40.73 0.64 0.00	43.33 0.60 0.01	52.83 0.68 0.00	63.94 0.59 1.74	64.54 0.46 1.68	58.32 0.52 0.28	50.16 0.74 0.00	41.44 0.77 0.00	38.94 0.80 0.00	32.80 0.74 0.00



V_XM10_SYNC_DSASP 323789	20.86 -0.15 0.00	19.30 -0.31 0.00	16.99 -0.37 0.01	15.18 -0.49 1.07	16.30 -0.40 0.01	17.80 -0.55 0.62	20.94 -0.52 0.01	23.61 -0.46 0.01	24.99 -0.61 0.00	26.05 -0.75 0.00	29.22 -0.53 0.00	31.20 -0.25 0.00	35.04 -0.35 0.00	37.57 -0.42 0.00	39.57 -0.52 0.00	42.23 -0.51 0.00	48.55 -3.60 0.00	59.63 -5.47 0.00	61.10 -4.67 0.00	54.07 -4.01 0.00	45.02 -4.40 0.00	38.23 -2.44 0.00	35.55 -2.59 0.00	29.75 -2.31 0.00
W.NYACK_69_KV_BK 521_REV_LBMP_G 345027	22.29 1.28 0.00	20.81 1.20 0.00	18.44 1.08 0.00	17.74 1.00 0.00	17.71 1.00 0.00	20.05 1.08 0.00	22.69 1.22 0.00	25.71 1.64 0.00	27.45 1.84 0.00	28.70 1.90 0.00	31.92 2.17 0.00	33.62 2.17 0.00	37.84 2.44 0.00	40.38 2.39 0.00	42.38 2.29 0.00	45.01 2.27 -0.01	54.81 2.66 0.00	69.62 2.73 -1.79	69.78 2.30 -1.72	60.33 1.97 -0.28	51.64 2.22 0.00	42.34 1.67 0.00	40.12 1.98 0.00	33.95 1.89 0.00
W49TH_ST_138_KV_38M43_REV_LBMP_J 345008	22.39 1.39 0.00	20.96 1.35 0.00	18.56 1.20 0.00	17.84 1.10 0.00	17.81 1.10 0.00	20.20 1.23 0.00	22.86 1.40 0.00	25.97 1.90 0.00	27.68 2.07 0.00	28.97 2.17 0.00	32.13 2.38 0.00	33.87 2.42 0.00	38.15 2.76 0.00	40.80 2.81 0.00	42.78 2.69 0.00	45.31 2.56 -0.01	55.12 2.97 0.00	70.18 3.12 -1.95	70.34 2.70 -1.88	60.65 2.27 -0.31	52.08 2.67 0.00	42.62 1.95 0.00	40.47 2.33 0.00	34.21 2.15 0.00
W50THST__13_KV_LOAD 356117	22.50 1.49 0.00	21.04 1.43 0.00	18.65 1.28 0.00	17.91 1.17 0.00	17.89 1.19 0.00	20.30 1.33 0.00	22.97 1.50 0.00	26.14 2.07 0.00	27.89 2.28 0.00	29.16 2.36 0.00	32.37 2.62 0.00	34.12 2.67 0.00	38.44 3.04 0.00	41.10 3.12 0.00	43.06 2.97 0.00	45.65 2.91 -0.01	55.54 3.39 0.00	70.63 3.58 -1.95	70.80 3.16 -1.88	61.06 2.67 -0.31	52.43 3.01 0.00	42.87 2.20 0.00	40.70 2.56 0.00	34.40 2.34 0.00
WADING RIVER_IC_1 23522	32.17 1.74 -9.43	28.91 1.67 -7.63	23.87 1.48 -5.03	23.87 1.39 -5.75	24.51 1.44 -6.37	27.66 1.54 -7.15	32.03 1.78 -8.78	32.81 2.19 -6.55	32.98 2.41 -4.97	33.13 2.44 -3.89	43.24 2.62 -10.87	44.03 2.64 -9.94	44.99 3.01 -6.58	45.97 3.04 -4.94	47.97 3.01 -4.87	65.62 3.08 -19.80	77.20 3.80 -21.25	97.27 4.82 -27.36	94.35 4.47 -24.11	78.24 3.60 -16.56	62.70 3.61 -9.68	66.35 2.77 -22.91	43.69 3.55 -2.00	35.28 3.21 -0.02
WADING RIVER_IC_2 23547	32.17 1.74 -9.43	28.91 1.67 -7.63	23.87 1.48 -5.03	23.87 1.39 -5.75	24.51 1.44 -6.37	27.66 1.54 -7.15	32.03 1.78 -8.78	32.81 2.19 -6.55	32.98 2.41 -4.97	33.13 2.44 -3.89	43.24 2.62 -10.87	44.03 2.64 -9.94	44.99 3.01 -6.58	45.97 3.04 -4.94	47.97 3.01 -4.87	65.62 3.08 -19.80	77.20 3.80 -21.25	97.27 4.82 -27.36	94.35 4.47 -24.11	78.24 3.60 -16.56	62.70 3.61 -9.68	66.35 2.77 -22.91	43.69 3.55 -2.00	35.28 3.21 -0.02
WADING RIVER_IC_3 23601	32.17 1.74 -9.43	28.91 1.67 -7.63	23.87 1.48 -5.03	23.87 1.39 -5.75	24.51 1.44 -6.37	27.66 1.54 -7.15	32.03 1.78 -8.78	32.81 2.19 -6.55	32.98 2.41 -4.97	33.13 2.44 -3.89	43.24 2.62 -10.87	44.03 2.64 -9.94	44.99 3.01 -6.58	45.97 3.04 -4.94	47.97 3.01 -4.87	65.62 3.08 -19.80	77.20 3.80 -21.25	97.27 4.82 -27.36	94.35 4.47 -24.11	78.24 3.60 -16.56	62.70 3.61 -9.68	66.35 2.77 -22.91	43.69 3.55 -2.00	35.28 3.21 -0.02
WALDENNY_12_KV_BK2 80841	20.35 -0.65 0.00	19.00 -0.61 0.00	16.79 -0.57 0.00	16.35 -0.38 0.00	16.36 -0.35 0.00	18.82 -0.15 0.00	21.59 0.13 0.00	23.66 -0.41 0.00	25.74 0.13 0.00	27.77 0.96 0.00	31.06 1.31 0.00	33.12 1.67 0.00	37.34 1.95 0.00	40.72 2.74 0.00	43.66 3.57 0.00	46.80 4.06 0.00	57.36 5.21 0.00	71.22 6.12 0.00	71.45 5.66 -0.02	63.22 5.11 -0.02	53.61 4.20 0.00	44.13 3.46 0.00	41.08 2.94 0.00	34.24 2.18 0.00
WALDEN__HYDRO 24148	22.16 1.16 0.00	20.69 1.08 0.00	18.34 0.97 0.00	17.64 0.90 0.00	17.61 0.90 0.00	19.94 0.97 0.00	22.56 1.09 0.00	25.52 1.44 0.00	27.22 1.61 0.00	28.44 1.63 0.00	31.62 1.87 0.00	33.31 1.86 0.00	37.48 2.09 0.00	40.08 2.09 0.00	42.14 2.04 0.00	44.79 2.05 0.00	54.65 2.50 0.00	69.25 2.67 -1.49	69.56 2.37 -1.43	60.40 2.09 -0.23	51.74 2.32 0.00	42.38 1.71 0.00	40.01 1.87 0.00	33.79 1.73 0.00
WARRENSBURG____ 23737	22.50 1.49 0.00	20.98 1.37 0.00	18.56 1.20 0.00	17.87 1.14 0.00	17.84 1.14 0.00	20.24 1.27 0.00	22.99 1.52 0.00	25.71 1.64 0.00	27.50 1.89 0.00	28.65 1.85 0.00	30.97 1.22 0.00	32.58 1.13 0.00	36.67 1.27 0.00	39.35 1.37 0.00	41.70 1.61 0.00	44.61 1.88 0.01	54.18 2.03 0.00	65.74 2.47 1.84	66.42 2.43 1.78	59.76 1.98 0.30	51.79 2.37 0.00	42.70 2.03 0.00	40.28 2.13 0.00	33.79 1.73 0.00
WATERSIDE____6 8 9 23538	22.41 1.41 0.00	20.98 1.37 0.00	18.56 1.20 0.00	17.82 1.09 0.00	17.79 1.09 0.00	20.14 1.18 0.00	22.77 1.31 0.00	25.88 1.81 0.00	27.63 2.02 0.00	28.89 2.09 0.00	32.07 2.32 0.00	33.81 2.36 0.00	38.08 2.69 0.00	40.72 2.74 0.00	42.58 2.49 0.00	45.05 2.31 -0.01	54.65 2.50 0.00	69.59 2.54 -1.95	69.81 2.17 -1.88	60.19 1.80 -0.30	51.74 2.32 0.00	42.38 1.71 0.00	40.47 2.33 0.00	34.21 2.15 0.00
WATKINRD_115KV_LN8_ILLION 55919	21.24 0.23 0.00	19.85 0.24 0.00	17.56 0.19 0.00	16.97 0.18 -0.05	16.91 0.20 0.00	19.23 0.23 -0.03	21.74 0.28 0.00	24.41 0.34 0.00	25.99 0.38 0.00	27.20 0.40 0.00	30.23 0.48 0.00	31.92 0.47 0.00	35.92 0.53 0.00	38.60 0.61 0.00	40.73 0.64 0.00	43.42 0.68 0.00	52.98 0.83 0.00	66.08 0.98 0.00	66.75 0.99 0.00	59.01 0.93 0.00	50.30 0.89 0.00	41.36 0.69 0.00	38.75 0.61 0.00	32.61 0.55 0.00
WATSON__69_KV_BK 1 55734	32.51 2.08 -9.43	29.22 1.98 -7.63	24.16 1.77 -5.03	24.14 1.66 -5.75	24.74 1.67 -6.37	27.98 1.86 -7.15	32.39 2.15 -8.78	33.27 2.65 -6.55	33.44 2.87 -4.97	33.64 2.95 -3.89	43.80 3.18 -10.87	44.66 3.27 -9.94	45.69 3.72 -6.58	46.73 3.80 -4.94	48.73 3.77 -4.87	66.31 3.85 -19.72	77.76 4.48 -21.12	97.53 5.27 -27.15	94.62 4.93 -23.93	78.82 4.30 -16.44	63.18 4.15 -9.62	66.88 3.38 -22.83	44.34 4.20 -2.00	35.76 3.69 -0.02
WDELAWARE__HYD 323627	21.87 0.86 0.00	20.40 0.79 0.00	18.06 0.70 0.00	17.37 0.64 0.00	17.34 0.63 0.00	19.63 0.66 0.00	22.24 0.77 0.00	25.13 1.06 0.00	26.84 1.23 0.00	27.85 1.04 0.00	31.00 1.25 0.00	32.61 1.16 0.00	36.74 1.34 0.00	39.28 1.29 0.00	41.37 1.28 0.00	44.07 1.33 0.00	53.97 1.82 0.00	68.43 2.21 -1.12	68.88 2.04 -1.07	59.88 1.62 -0.17	51.39 1.98 0.00	42.30 1.63 0.00	39.71 1.56 0.00	33.57 1.51 0.00
WEST BABYLON__IC 23714	32.45 2.02 -9.43	29.17 1.92 -7.63	24.11 1.72 -5.03	24.09 1.61 -5.75	24.69 1.62 -6.37	27.92 1.80 -7.15	32.31 2.06 -8.78	33.20 2.58 -6.55	33.37 2.79 -4.97	33.56 2.87 -3.89	43.71 3.09 -10.87	44.56 3.18 -9.94	45.55 3.57 -6.58	46.58 3.65 -4.94	48.61 3.61 -4.91	66.83 3.72 -20.38	78.70 4.38 -22.17	99.05 5.08 -28.87	95.95 4.74 -25.45	79.64 4.12 -17.44	63.61 4.05 -10.14	67.43 3.25 -23.50	44.07 3.93 -2.00	35.57 3.49 -0.02



WEST CANADA___HYD 24049	21.15 0.15 0.00	19.77 0.16 0.00	17.49 0.12 0.00	16.91 0.12 -0.05	16.82 0.12 0.00	19.13 0.13 -0.03	21.64 0.17 0.00	24.26 0.19 0.00	25.81 0.20 0.00	27.02 0.21 0.00	29.99 0.24 0.00	31.67 0.22 0.00	35.64 0.25 0.00	38.26 0.27 0.00	40.37 0.28 0.00	43.04 0.30 0.00	52.52 0.37 0.00	65.49 0.39 0.00	66.10 0.33 0.00	58.43 0.35 0.00	49.86 0.44 0.00	41.00 0.32 0.00	38.44 0.30 0.00	32.35 0.29 0.00
WESTERN_NY_WIND 24143	20.67 -0.34 0.00	19.26 -0.35 0.00	17.00 -0.36 0.00	16.48 -0.25 0.00	16.51 -0.20 0.00	18.97 0.00 0.00	21.76 0.30 0.00	24.02 -0.05 0.00	26.07 0.46 0.00	28.03 1.23 0.00	31.30 1.55 0.00	33.37 1.92 0.00	37.52 2.12 0.00	40.87 2.89 0.00	43.82 3.73 0.00	47.05 4.32 0.00	57.78 5.63 0.00	72.06 6.97 0.00	72.49 6.71 -0.02	64.20 6.10 -0.02	54.36 4.94 0.00	44.74 4.07 0.00	41.46 3.32 0.00	34.37 2.31 0.00
WESTOVER___LESR 323668	21.09 0.08 0.00	19.69 0.08 0.00	17.45 0.09 0.00	16.85 0.12 0.00	16.84 0.13 0.00	19.16 0.19 0.00	21.81 0.34 0.00	24.36 0.29 0.00	26.08 0.46 -0.01	27.68 0.72 -0.15	30.85 0.95 -0.14	32.75 1.04 -0.26	37.13 1.20 -0.53	40.19 1.48 -0.72	42.76 1.80 -0.86	45.82 2.05 -1.04	56.49 2.66 -1.68	70.85 3.12 -2.62	71.49 2.96 -2.77	63.06 2.67 -2.31	53.23 2.27 -1.55	43.44 1.83 -0.93	40.47 1.56 -0.76	33.58 1.19 -0.33
WETHRSFD_WT_PWR 323626	20.21 -0.80 0.00	18.85 -0.77 0.00	16.67 -0.70 0.00	16.20 -0.54 0.00	16.22 -0.49 0.00	18.61 -0.36 0.00	21.36 -0.11 0.00	23.66 -0.41 0.00	25.56 -0.05 0.00	27.50 0.70 0.00	30.88 1.13 0.00	32.71 1.26 0.00	36.99 1.59 0.00	40.27 2.28 0.00	42.94 2.85 0.00	45.98 3.25 0.00	56.47 4.33 0.00	70.44 5.34 0.00	71.06 5.26 -0.03	62.76 4.65 -0.03	53.22 3.81 0.00	43.85 3.17 0.00	41.08 2.94 0.00	33.89 1.83 0.00
WHAVSTOR_138KV_BK127 55557	22.18 1.18 0.00	20.73 1.12 0.00	18.37 1.01 0.00	17.67 0.94 0.00	17.64 0.94 0.00	19.97 1.01 0.00	22.60 1.14 0.00	25.61 1.54 0.00	27.30 1.69 0.00	28.54 1.74 0.00	31.74 1.99 0.00	33.43 1.98 0.00	37.59 2.19 0.00	40.08 2.09 0.00	42.06 1.96 0.00	44.62 1.88 -0.01	54.34 2.19 0.00	69.04 2.15 -1.79	69.26 1.78 -1.72	59.87 1.51 -0.28	51.24 1.83 0.00	42.05 1.38 0.00	39.86 1.72 0.00	33.76 1.70 0.00
WHAVSTOR_138_KV_BK127_REV_LBMP_G 345015	22.18 1.18 0.00	20.73 1.12 0.00	18.37 1.01 0.00	17.67 0.94 0.00	17.64 0.94 0.00	19.97 1.01 0.00	22.60 1.14 0.00	25.61 1.54 0.00	27.30 1.69 0.00	28.54 1.74 0.00	31.74 1.99 0.00	33.43 1.98 0.00	37.59 2.19 0.00	40.08 2.09 0.00	42.06 1.96 0.00	44.62 1.88 -0.01	54.34 2.19 0.00	69.04 2.15 -1.79	69.26 1.78 -1.72	59.87 1.51 -0.28	51.24 1.83 0.00	42.05 1.38 0.00	39.86 1.72 0.00	33.76 1.70 0.00
WHITEHAL_115KV_TB1 80871	22.89 1.89 0.00	21.36 1.75 0.00	18.87 1.51 0.00	18.18 1.44 0.00	18.16 1.45 0.00	20.58 1.61 0.00	23.44 1.97 0.00	26.22 2.14 0.00	28.07 2.46 0.00	29.21 2.41 0.00	32.40 2.65 0.00	33.34 1.89 0.00	37.52 2.12 0.00	40.34 2.36 0.00	42.82 2.73 0.00	45.94 3.21 0.01	55.90 3.75 0.00	67.91 4.69 1.88	68.75 4.80 1.82	62.13 4.36 0.31	53.57 4.15 0.00	44.25 3.58 0.00	41.57 3.43 0.00	34.75 2.69 0.00
WHITEPLN_13_KV_LOAD 356215	22.47 1.47 0.00	21.00 1.39 0.00	18.61 1.25 0.00	17.87 1.14 0.00	17.84 1.14 0.00	20.22 1.25 0.00	22.90 1.44 0.00	26.05 1.97 0.00	27.78 2.18 0.00	29.05 2.25 0.00	32.28 2.53 0.00	34.00 2.55 0.00	38.30 2.90 0.00	40.95 2.96 0.00	43.06 2.97 0.00	45.65 2.91 -0.01	55.59 3.44 0.00	70.89 3.84 -1.95	71.06 3.42 -1.87	61.29 2.90 -0.30	52.53 3.11 0.00	42.95 2.28 0.00	40.66 2.52 0.00	34.37 2.31 0.00
WM_FLOYD_69_KV_BK2 356380	32.36 1.93 -9.43	29.09 1.84 -7.63	24.02 1.63 -5.03	24.02 1.54 -5.75	24.64 1.57 -6.37	27.85 1.73 -7.15	32.24 2.00 -8.78	33.05 2.43 -6.55	33.19 2.61 -4.97	33.38 2.68 -3.89	43.48 2.86 -10.87	44.34 2.96 -9.94	45.31 3.33 -6.58	46.31 3.38 -4.94	48.29 3.33 -4.87	65.85 3.42 -19.70	77.35 4.12 -21.08	97.13 4.95 -27.09	94.30 4.67 -23.87	78.49 4.01 -16.40	62.91 3.90 -9.60	66.52 3.05 -22.80	44.03 3.89 -2.00	35.51 3.43 -0.02
WOODARD__115KV_TB2 355635	20.84 -0.17 0.00	19.45 -0.16 0.00	17.22 -0.14 0.00	16.60 -0.13 0.00	16.59 -0.12 0.00	18.87 -0.09 0.00	21.40 -0.06 0.00	23.95 -0.12 0.00	25.50 -0.13 -0.02	27.13 0.03 -0.31	30.15 0.12 -0.28	32.09 0.13 -0.52	36.63 0.18 -1.06	39.68 0.27 -1.43	42.24 0.44 -1.71	45.31 0.51 -2.06	56.22 0.73 -3.34	71.08 0.85 -5.13	71.80 0.79 -5.25	63.31 0.87 -4.36	53.13 0.69 -3.03	43.03 0.53 -1.82	39.97 0.34 -1.49	32.90 0.19 -0.64
YORK___WARBASSE 23770	22.43 1.43 0.00	20.98 1.37 0.00	18.56 1.20 0.00	17.79 1.05 0.00	17.76 1.05 0.00	20.11 1.14 0.00	22.71 1.24 0.00	25.88 1.81 0.00	27.66 2.05 0.00	28.95 2.14 0.00	32.10 2.35 0.00	33.87 2.42 0.00	38.23 2.83 0.00	40.87 2.89 0.00	42.78 2.69 0.00	45.26 2.52 -0.01	54.81 2.66 0.00	69.79 2.73 -1.95	70.01 2.37 -1.88	60.42 2.03 -0.31	51.98 2.57 0.00	42.54 1.87 0.00	40.58 2.44 0.00	34.34 2.28 0.00