

# Day Ahead Market Generator LBMP

Generator Data		--- LBMP \$																			--- Marginal Cost of Losses																			--- Marginal Cost of Congestion																			07/24/2025		
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	45.14	39.53	36.05	32.16	33.38	36.54	37.41	41.04	44.88	47.20	51.07	55.75	60.78	69.39	85.13	94.23	118.44	151.06	168.95	139.95	110.43	89.06	70.70	61.17																																				
		2.43	2.20	2.07	1.93	2.01	2.26	2.77	3.39	3.86	4.29	4.43	4.70	5.07	5.44	6.96	8.02	12.73	15.82	16.54	12.45	8.26	5.67	3.30	3.08																																				
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	-1.33	-0.06	-0.68	-3.04	-4.97	0.00	0.00	0.00																																				
74TH STREET_GT_1	24260	45.18	39.56	36.09	32.22	33.41	36.54	37.41	41.00	44.84	47.12	51.03	55.70	60.72	69.32	84.98	94.06	118.23	150.93	168.95	140.20	110.63	89.06	70.83	61.23																																				
		2.48	2.24	2.11	1.99	2.04	2.26	2.77	3.35	3.81	4.20	4.38	4.65	5.01	5.37	6.80	7.85	12.52	15.68	16.54	12.70	8.46	5.67	3.44	3.14																																				
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.02	-0.02	0.00	0.00	0.00	0.00	0.00	-1.33	-0.06	-0.68	-3.04	-4.98	0.00	0.00	0.00																																				
74TH STREET_GT_2	24261	45.18	39.56	36.09	32.22	33.41	36.54	37.41	41.00	44.84	47.12	51.03	55.70	60.72	69.32	84.98	94.06	118.23	150.93	168.95	140.20	110.63	89.06	70.83	61.23																																				
		2.48	2.24	2.11	1.99	2.04	2.26	2.77	3.35	3.81	4.20	4.38	4.65	5.01	5.37	6.80	7.85	12.52	15.68	16.54	12.70	8.46	5.67	3.44	3.14																																				
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.02	-0.02	0.00	0.00	0.00	0.00	0.00	-1.33	-0.06	-0.68	-3.04	-4.98	0.00	0.00	0.00																																				
ADK HUDSON___FALLS	24011	44.72	39.12	35.71	31.77	33.04	36.13	36.71	39.95	43.24	45.05	48.73	53.35	58.44	66.96	82.08	90.96	117.27	145.97	168.05	166.76	156.76	89.89	72.05	61.64																																				
		2.01	1.79	1.73	1.54	1.66	1.85	2.08	2.30	2.22	2.15	2.10	2.30	2.73	3.01	3.91	4.74	7.31	10.54	13.50	11.20	8.65	6.50	4.65	3.54																																				
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-5.59	-0.23	-2.81	-31.09	-50.91	0.00	0.00	0.00																																				
ADK RESOURCE___RCVRY	23798	44.88	39.30	35.85	31.89	33.16	36.30	36.85	40.14	43.44	45.22	48.87	53.56	58.66	67.28	82.47	91.47	117.67	147.04	169.35	168.05	157.92	90.64	72.66	62.05																																				
		2.18	1.98	1.87	1.66	1.79	2.02	2.22	2.48	2.42	2.32	2.24	2.50	2.95	3.32	4.30	5.26	7.93	11.63	14.88	12.32	9.53	7.25	5.26	3.95																																				
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-5.37	-0.23	-2.74	-31.27	-51.20	0.00	0.00	0.00																																				
ADK S GLENS___FALLS	24028	44.72	39.12	35.71	31.77	33.04	36.13	36.71	39.95	43.24	45.05	48.73	53.35	58.44	66.96	82.08	90.96	117.27	145.97	168.05	166.76	156.76	89.89	72.05	61.64																																				
		2.01	1.79	1.73	1.54	1.66	1.85	2.08	2.30	2.22	2.15	2.10	2.30	2.73	3.01	3.91	4.74	7.31	10.54	13.50	11.20	8.65	6.50	4.65	3.54																																				
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-5.59	-0.23	-2.81	-31.09	-50.91	0.00	0.00	0.00																																				
ADK_NYS___DAM	23527	44.37	38.86	35.64	31.86	33.03	36.06	36.75	40.03	43.32	45.30	49.19	53.81	58.83	67.47	82.32	91.04	119.93	144.99	166.36	154.62	139.16	87.89	70.50	60.59																																				
		1.66	1.53	1.66	1.63	1.66	1.78	2.11	2.37	2.30	2.40	2.56	2.76	3.12	3.52	4.14	4.83	7.41	9.46	10.46	8.09	5.83	4.50	3.10	2.50																																				
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-8.15	-0.34	-4.16	-22.07	-36.14	0.00	0.00	0.00																																				
AIR_PRODUCTS___DRP	24190	42.49	37.25	34.22	30.62	31.69	34.59	35.12	38.29	41.55	43.37	47.05	51.46	56.27	64.46	78.72	86.82	93.46	137.49	148.01	142.80	125.24	83.89	67.33	58.04																																				
		-0.21	-0.07	0.24	0.39	0.31	0.31	0.48	0.64	0.53	0.47	0.42	0.41	0.56	0.51	0.55	0.60	1.98	2.84	2.88	1.87	1.07	0.50	-0.07	-0.06																																				
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.89	0.54	6.61	-16.47	-26.98	0.00	0.00	0.00																																				
AKWESSNE_115KV_BK	355683	42.79	37.29	33.84	29.95	31.09	33.90	34.01	36.83	40.00	41.70	45.42	49.52	54.43	62.42	76.22	83.71	92.71	107.60	114.16	103.44	93.89	81.80	66.86	57.75																																				
		0.09	-0.04	-0.14	-0.27	-0.28	-0.38	-0.62	-0.83	-1.03	-1.20	-1.21	-1.53	-1.28	-1.53	-1.95	-2.50	-4.91	-6.08	-6.68	-4.98	-3.30	-1.58	-0.54	-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	0.00	6.76	21.51	30.90	16.05	0.00	0.00	0.00	0.00																																				
ALBANY_1_SOLAR	323833	42.67	37.36	34.25	30.56	31.69	34.59	35.05	38.11	41.27	42.85	46.58	51.00	55.71	63.95	75.49	81.34	93.47	137.23	148.56	139.14	119.22	84.31	67.73	58.33																																				
		-0.04	0.04	0.27	0.33	0.31	0.31	0.42	0.45	0.25	0.17	-0.05	-0.05	0.00	0.00	0.08	0.17	1.57	2.56	3.19	2.11	1.46	0.92	0.34	0.23																																				
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.22	0.00	0.00	0.00	0.00	2.76	5.05	12.47	0.52	6.37	-12.56	-20.57	0.00	0.00	0.00																																				
ALBANY_2_SOLAR	323834	42.67	37.32	34.22	30.56	31.65	34.59	35.05	38.11	41.23	42.85	46.58	50.95	55.71	63.95	75.49	81.34	93.38	137.10	148.57	139.01	119.12	84.22	67.67	58.33																																				
		-0.04	0.00	0.24	0.33	0.28	0.31	0.42	0.45	0.21	0.17	-0.05	-0.10	0.00	0.00	0.08	0.17	1.46	2.44	3.19	1.99	1.36	0.83	0.27	0.23																																				
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.22	0.00	0.00	0.00	0.00	2.76	5.05	12.45	0.52	6.36	-12.56	-20.56	0.00	0.00	0.00																																				
ALBANY___1	23571	42.49	37.25	34.22	30.62	31.69	34.59	35.12	38.29	41.55	43.37	47.05	51.46	56.27	64.46	78.72	86.82	93.46	137.49	148.01	142.80	125.24	83.89	67.33	58.04																																				
		-0.21	-0.07	0.24	0.39	0.31	0.31	0.48	0.64	0.53	0.47	0.42	0.41	0.56	0.51	0.55	0.60	1.98	2.84	2.88	1.87	1.07	0.50	-0.07	-0.06																																				
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.89	0.54	6.61	-16.47	-26.98	0.00	0.00	0.00																																				



ALBANY___2 23572	42.49 -0.21 0.00	37.25 -0.07 0.00	34.22 0.24 0.00	30.62 0.39 0.00	31.69 0.31 0.00	34.59 0.31 0.00	35.12 0.48 0.00	38.29 0.64 0.00	41.55 0.53 0.00	43.37 0.47 0.00	47.05 0.42 0.00	51.46 0.41 0.00	56.27 0.56 0.00	64.46 0.51 0.00	78.72 0.55 0.00	86.82 0.60 0.00	93.46 1.98 12.89	137.49 2.84 0.54	148.01 2.88 6.61	142.80 1.87 -16.47	125.24 1.07 -26.98	83.89 0.50 0.00	67.33 -0.07 0.00	58.04 -0.06 0.00
ALBANY___3 23573	42.49 -0.21 0.00	37.25 -0.07 0.00	34.22 0.24 0.00	30.62 0.39 0.00	31.69 0.31 0.00	34.59 0.31 0.00	35.12 0.48 0.00	38.29 0.64 0.00	41.55 0.53 0.00	43.37 0.47 0.00	47.05 0.42 0.00	51.46 0.41 0.00	56.27 0.56 0.00	64.46 0.51 0.00	78.72 0.55 0.00	86.82 0.60 0.00	93.46 1.98 12.89	137.49 2.84 0.54	148.01 2.88 6.61	142.80 1.87 -16.47	125.24 1.07 -26.98	83.89 0.50 0.00	67.33 -0.07 0.00	58.04 -0.06 0.00
ALBANY___4 23574	42.49 -0.21 0.00	37.25 -0.07 0.00	34.22 0.24 0.00	30.62 0.39 0.00	31.69 0.31 0.00	34.59 0.31 0.00	35.12 0.48 0.00	38.29 0.64 0.00	41.55 0.53 0.00	43.37 0.47 0.00	47.05 0.42 0.00	51.46 0.41 0.00	56.27 0.56 0.00	64.46 0.51 0.00	78.72 0.55 0.00	86.82 0.60 0.00	93.46 1.98 12.89	137.49 2.84 0.54	148.01 2.88 6.61	142.80 1.87 -16.47	125.24 1.07 -26.98	83.89 0.50 0.00	67.33 -0.07 0.00	58.04 -0.06 0.00
ALBANY___LFGE 323615	43.05 0.34 0.00	37.70 0.37 0.00	34.59 0.61 0.00	30.92 0.70 0.00	32.00 0.63 0.00	34.96 0.69 0.00	35.50 0.87 0.00	38.71 1.05 0.00	42.00 0.98 0.00	43.89 0.99 0.00	47.61 0.98 0.00	52.07 1.02 0.00	56.99 1.28 0.00	65.36 1.41 0.00	79.82 1.64 0.00	88.11 1.89 0.00	109.21 3.65 -1.19	140.24 5.00 -0.05	157.80 5.45 -0.61	149.24 3.98 -20.80	133.87 2.63 -34.05	85.14 1.75 0.00	68.34 0.94 0.00	58.79 0.70 0.00
ALCOA_PA_115KV_PL-6C 55860	43.01 0.30 0.00	37.44 0.11 0.00	33.98 0.00 0.00	30.07 -0.15 0.00	31.18 -0.19 0.00	34.00 -0.27 0.00	34.15 -0.48 0.00	36.94 -0.72 0.00	40.08 -0.94 0.00	41.78 -1.12 0.00	45.46 -1.17 0.00	49.47 -1.58 0.00	54.37 -1.34 0.00	62.29 -1.66 0.00	76.14 -2.03 0.00	83.63 -2.59 0.00	92.22 -5.64 6.52	98.77 -6.89 29.52	101.59 -7.74 42.41	97.08 -5.35 22.03	93.99 -3.21 0.00	81.97 -1.42 0.00	67.13 -0.27 0.00	58.04 -0.06 0.00
ALCOA_RYNLDS___DRP 24188	43.01 0.30 0.00	37.44 0.11 0.00	33.98 0.00 0.00	30.07 -0.15 0.00	31.18 -0.19 0.00	34.00 -0.27 0.00	34.15 -0.48 0.00	36.94 -0.72 0.00	40.08 -0.94 0.00	41.78 -1.12 0.00	45.46 -1.17 0.00	49.47 -1.58 0.00	54.37 -1.34 0.00	62.29 -1.66 0.00	76.14 -2.03 0.00	83.63 -2.59 0.00	92.22 -5.64 6.52	98.77 -6.89 29.52	101.59 -7.74 42.41	97.08 -5.35 22.03	93.99 -3.21 0.00	81.97 -1.42 0.00	67.13 -0.27 0.00	58.04 -0.06 0.00
ALCOA___DSASP 323711	43.01 0.30 0.00	37.44 0.11 0.00	33.98 0.00 0.00	30.07 -0.15 0.00	31.19 -0.19 0.00	34.00 -0.28 0.00	34.15 -0.48 0.00	36.94 -0.72 0.00	40.08 -0.94 0.00	41.78 -1.12 0.00	45.47 -1.16 0.00	49.47 -1.58 0.00	54.26 -1.45 0.00	62.29 -1.66 0.00	76.14 -2.03 0.00	83.54 -2.67 0.00	92.43 -5.43 6.52	98.78 -6.89 29.52	101.59 -7.73 42.41	97.09 -5.35 22.03	93.99 -3.21 0.00	81.97 -1.42 0.00	67.13 -0.27 0.00	58.04 -0.06 0.00
ALLEGHENY___COGEN 23514	44.84 2.13 0.00	38.97 1.64 0.00	35.17 1.19 0.00	31.40 1.18 0.00	32.60 1.22 0.00	35.55 1.27 0.00	36.33 1.70 0.00	38.63 0.98 0.00	42.00 0.98 0.00	43.67 0.77 0.00	47.75 1.12 0.00	50.90 -0.15 0.00	55.82 0.11 0.00	64.02 0.06 0.00	73.88 -4.30 0.00	83.80 -2.41 0.00	102.18 -2.20 0.00	131.40 -3.78 0.00	149.61 -2.12 0.00	126.58 2.11 0.00	99.04 1.84 0.00	83.14 -0.25 0.00	70.50 3.10 0.00	60.18 2.09 0.00
ALTAMONT_115KV_TB 2 55880	43.13 0.43 0.00	37.74 0.41 0.00	34.56 0.58 0.00	30.83 0.60 0.00	31.97 0.60 0.00	34.93 0.65 0.00	35.43 0.80 0.00	38.60 0.94 0.00	41.96 0.94 0.00	43.86 0.94 -0.01	47.61 0.98 0.00	52.08 1.02 0.00	56.88 1.17 0.00	65.23 1.28 0.00	79.90 1.56 -0.16	88.23 1.72 -0.29	100.64 3.24 6.96	139.22 4.33 0.29	153.01 4.86 3.58	141.37 3.61 -13.30	121.40 2.43 -21.77	85.05 1.67 0.00	68.27 0.88 0.00	58.85 0.76 0.00
ALTONA_WT_PWR 323606	43.48 0.77 0.00	37.74 0.41 0.00	34.18 0.21 0.00	30.22 0.00 0.00	31.34 -0.03 0.00	34.14 -0.14 0.00	34.32 -0.31 0.00	37.09 -0.56 0.00	40.32 -0.70 0.00	41.57 -1.33 0.00	45.28 -1.35 0.00	49.22 -1.84 0.00	53.26 -2.45 0.00	61.08 -2.88 0.00	74.50 -3.67 0.00	81.56 -4.66 0.00	90.68 -6.89 6.80	106.09 -8.79 20.31	113.15 -9.41 29.18	102.22 -7.09 15.16	92.14 -5.06 0.00	79.80 -3.58 0.00	65.03 -2.36 0.00	56.12 -1.98 0.00
AMERICAN_REF_FUEL 24010	41.26 -1.45 0.00	36.50 -0.82 0.00	32.93 -1.05 0.00	29.56 -0.67 0.00	30.49 -0.88 0.00	33.15 -1.13 0.00	33.56 -1.07 0.00	35.24 -2.41 0.00	39.05 -1.97 0.00	40.88 -2.02 0.00	45.04 -1.59 0.00	49.98 -1.07 0.00	55.10 -0.61 0.00	63.06 -0.90 0.00	76.53 -1.65 0.00	86.30 0.09 0.00	103.96 -0.42 0.00	132.34 -2.85 0.00	148.70 -3.03 0.00	122.35 -2.12 0.00	94.67 -2.53 0.00	79.55 -3.83 0.00	64.50 -2.90 0.00	56.12 -1.98 0.00
ARKWRIGHT___SUMMIT_WT_PWR 323751	42.02 -0.68 0.00	36.80 -0.52 0.00	32.96 -1.02 0.00	29.47 -0.75 0.00	30.40 -0.97 0.00	33.18 -1.10 0.00	33.98 -0.66 0.00	36.00 -1.66 0.00	40.08 -0.94 0.00	42.21 -0.69 0.00	46.58 -0.05 0.00	51.87 0.81 0.00	57.38 1.67 0.00	65.87 1.92 0.00	80.05 1.87 0.00	90.44 4.22 0.00	109.69 5.32 0.00	139.92 4.73 0.00	157.50 5.76 0.00	129.69 5.23 0.00	100.01 2.82 0.00	83.47 0.08 0.00	67.06 -0.34 0.00	57.51 -0.58 0.00
ARTHUR KILL_GT_1 23520	45.40 2.69 0.00	39.68 2.35 0.00	36.15 2.17 0.00	32.25 2.03 0.00	33.44 2.07 0.00	36.57 2.30 0.00	37.37 2.74 0.00	40.89 3.24 0.00	44.71 3.69 0.00	47.04 4.12 -0.02	50.56 3.92 -0.02	51.94 4.03 3.14	53.95 4.29 6.05	59.20 3.90 8.65	73.63 5.16 9.70	82.62 6.12 9.72	105.73 10.44 9.08	116.23 12.98 31.94	133.85 13.66 31.54	116.07 10.33 18.72	98.94 6.71 4.96	76.33 4.34 11.39	60.00 2.22 9.62	53.85 2.15 6.39
ARTHUR_KILL_2 23512	45.19 2.48 -0.01	39.53 2.20 -0.01	36.06 2.07 -0.01	32.17 1.94 -0.01	33.33 1.95 -0.01	36.48 2.20 -0.01	37.24 2.60 -0.01	40.79 3.12 -0.01	44.56 3.53 -0.01	46.87 3.94 -0.02	50.24 3.59 -0.02	51.69 3.78 3.14	53.39 3.73 6.05	58.87 3.58 8.66	73.15 4.69 9.71	82.17 5.69 9.73	105.21 9.92 9.08	115.54 12.30 31.95	132.94 12.75 31.55	115.32 9.58 18.73	98.54 6.31 4.97	75.99 4.00 11.40	59.73 1.96 9.62	53.56 1.86 6.39
ARTHUR_KILL_3 23513	44.58 1.88 0.00	39.12 1.79 0.00	35.68 1.70 0.00	31.82 1.60 0.00	33.00 1.63 0.00	36.13 1.85 0.00	36.96 2.32 0.00	40.55 2.90 0.00	44.30 3.28 0.00	46.56 3.64 -0.01	50.28 3.64 -0.01	51.75 3.83 3.14	53.62 3.96 6.04	59.50 4.22 8.67	73.93 5.47 9.72	82.95 6.47 9.74	106.03 10.75 9.09	116.62 13.39 31.95	133.99 13.81 31.55	116.05 10.32 18.74	99.12 6.90 4.98	76.40 4.42 11.41	60.12 2.36 9.63	53.90 2.21 6.40



ARTHUR_KILL_COGEN 323718	45.36 2.65 -0.01	39.69 2.35 -0.01	36.16 2.18 -0.01	32.26 2.03 -0.01	33.45 2.07 -0.01	36.58 2.30 -0.01	37.35 2.70 -0.01	40.90 3.24 -0.01	44.72 3.69 -0.01	47.04 4.12 -0.02	50.42 3.78 -0.02	51.90 3.98 3.14	53.67 4.01 6.05	59.13 3.84 8.66	73.54 5.08 9.71	82.61 6.12 9.73	105.73 10.44 9.08	116.22 12.98 31.95	133.85 13.66 31.55	116.06 10.32 18.73	99.03 6.80 4.97	76.40 4.42 11.40	60.06 2.29 9.62	53.85 2.15 6.39
ASHOKAN____ 23654	43.90 1.19 0.00	38.29 0.97 0.00	35.03 1.05 0.00	31.22 1.00 0.00	32.35 0.97 0.00	35.41 1.13 0.00	36.06 1.42 0.00	39.20 1.54 0.00	42.42 1.40 0.00	45.57 2.87 0.20	47.89 1.26 0.00	52.48 1.43 0.00	57.66 1.95 0.00	66.44 2.49 0.00	81.54 5.94 2.58	88.32 6.81 4.71	106.47 11.28 9.18	149.94 15.14 0.39	164.94 17.90 4.69	140.90 6.97 -9.47	117.27 4.57 -15.50	88.22 4.83 0.00	70.29 2.90 0.00	60.48 2.38 0.00
ASTORIA_EAST_ENERGY_CC1 323581	45.06 2.35 -0.01	39.50 2.16 -0.01	36.03 2.04 -0.01	32.14 1.91 -0.01	33.29 1.91 -0.01	36.48 2.20 -0.01	37.28 2.63 -0.01	40.79 3.12 -0.01	44.56 3.53 -0.01	46.85 3.94 -0.01	50.46 3.82 -0.01	55.55 4.49 0.00	60.17 4.46 -0.01	68.23 4.29 0.01	83.49 5.32 0.01	92.59 6.38 0.01	116.35 10.65 -1.33	148.62 13.39 -0.05	166.21 13.81 -0.67	137.95 10.46 -3.03	109.16 7.00 -4.97	87.88 4.50 0.01	69.81 2.42 0.01	60.43 2.33 -0.01
ASTORIA_EAST_ENERGY_CC2 323582	45.06 2.35 -0.01	39.50 2.16 -0.01	36.03 2.04 -0.01	32.14 1.91 -0.01	33.29 1.91 -0.01	36.48 2.20 -0.01	37.28 2.63 -0.01	40.79 3.12 -0.01	44.56 3.53 -0.01	46.85 3.94 -0.01	50.46 3.82 -0.01	55.55 4.49 0.00	60.17 4.46 -0.01	68.23 4.29 0.01	83.49 5.32 0.01	92.59 6.38 0.01	116.35 10.65 -1.33	148.62 13.39 -0.05	166.21 13.81 -0.67	137.95 10.46 -3.03	109.16 7.00 -4.97	87.88 4.50 0.01	69.81 2.42 0.01	60.43 2.33 -0.01
ASTORIA_GT2_1 24094	45.14 2.43 0.00	39.49 2.16 0.00	36.05 2.07 0.00	32.13 1.90 0.00	33.32 1.95 0.00	36.51 2.23 0.00	37.30 2.67 0.00	40.82 3.16 0.00	44.55 3.53 0.00	46.89 3.99 0.00	50.56 3.92 -0.02	55.65 4.59 0.00	60.51 4.79 -0.01	68.30 4.35 0.00	83.57 5.39 0.00	92.59 6.38 0.00	116.35 10.65 -1.33	148.76 13.52 -0.06	166.37 13.96 -0.68	138.08 10.58 -3.04	109.17 7.00 -4.98	87.81 4.42 0.00	69.82 2.43 0.00	60.43 2.32 -0.01
ASTORIA_GT2_2 24095	45.14 2.43 0.00	39.49 2.16 0.00	36.05 2.07 0.00	32.13 1.90 0.00	33.32 1.95 0.00	36.51 2.23 0.00	37.30 2.67 0.00	40.82 3.16 0.00	44.55 3.53 0.00	46.89 3.99 0.00	50.56 3.92 -0.02	55.65 4.59 0.00	60.51 4.79 -0.01	68.30 4.35 0.00	83.57 5.39 0.00	92.59 6.38 0.00	116.35 10.65 -1.33	148.76 13.52 -0.06	166.37 13.96 -0.68	138.08 10.58 -3.04	109.17 7.00 -4.98	87.81 4.42 0.00	69.82 2.43 0.00	60.43 2.32 -0.01
ASTORIA_GT2_3 24096	45.14 2.43 0.00	39.49 2.16 0.00	36.05 2.07 0.00	32.13 1.90 0.00	33.32 1.95 0.00	36.51 2.23 0.00	37.30 2.67 0.00	40.82 3.16 0.00	44.55 3.53 0.00	46.89 3.99 0.00	50.56 3.92 -0.02	55.65 4.59 0.00	60.51 4.79 -0.01	68.30 4.35 0.00	83.57 5.39 0.00	92.59 6.38 0.00	116.35 10.65 -1.33	148.76 13.52 -0.06	166.37 13.96 -0.68	138.08 10.58 -3.04	109.17 7.00 -4.98	87.81 4.42 0.00	69.82 2.43 0.00	60.43 2.32 -0.01
ASTORIA_GT2_4 24097	45.14 2.43 0.00	39.49 2.16 0.00	36.05 2.07 0.00	32.13 1.90 0.00	33.32 1.95 0.00	36.51 2.23 0.00	37.30 2.67 0.00	40.82 3.16 0.00	44.55 3.53 0.00	46.89 3.99 0.00	50.56 3.92 -0.02	55.65 4.59 0.00	60.51 4.79 -0.01	68.30 4.35 0.00	83.57 5.39 0.00	92.59 6.38 0.00	116.35 10.65 -1.33	148.76 13.52 -0.06	166.37 13.96 -0.68	138.08 10.58 -3.04	109.17 7.00 -4.98	87.81 4.42 0.00	69.82 2.43 0.00	60.43 2.32 -0.01
ASTORIA_GT3_1 24098	45.14 2.43 0.00	39.49 2.16 0.00	36.05 2.07 0.00	32.13 1.90 0.00	33.32 1.95 0.00	36.51 2.23 0.00	37.30 2.67 0.00	40.82 3.16 0.00	44.55 3.53 0.00	46.89 3.99 0.00	50.56 3.92 -0.02	55.65 4.59 0.00	60.51 4.79 -0.01	68.30 4.35 0.00	83.57 5.39 0.00	92.59 6.38 0.00	116.35 10.65 -1.33	148.76 13.52 -0.06	166.37 13.96 -0.68	138.08 10.58 -3.04	109.17 7.00 -4.98	87.81 4.42 0.00	69.82 2.43 0.00	60.43 2.32 -0.01
ASTORIA_GT3_2 24099	45.14 2.43 0.00	39.49 2.16 0.00	36.05 2.07 0.00	32.13 1.90 0.00	33.32 1.95 0.00	36.51 2.23 0.00	37.30 2.67 0.00	40.82 3.16 0.00	44.55 3.53 0.00	46.89 3.99 0.00	50.56 3.92 -0.02	55.65 4.59 0.00	60.51 4.79 -0.01	68.30 4.35 0.00	83.57 5.39 0.00	92.59 6.38 0.00	116.35 10.65 -1.33	148.76 13.52 -0.06	166.37 13.96 -0.68	138.08 10.58 -3.04	109.17 7.00 -4.98	87.81 4.42 0.00	69.82 2.43 0.00	60.43 2.32 -0.01
ASTORIA_GT3_3 24100	45.14 2.43 0.00	39.49 2.16 0.00	36.05 2.07 0.00	32.13 1.90 0.00	33.32 1.95 0.00	36.51 2.23 0.00	37.30 2.67 0.00	40.82 3.16 0.00	44.55 3.53 0.00	46.89 3.99 0.00	50.56 3.92 -0.02	55.65 4.59 0.00	60.51 4.79 -0.01	68.30 4.35 0.00	83.57 5.39 0.00	92.59 6.38 0.00	116.35 10.65 -1.33	148.76 13.52 -0.06	166.37 13.96 -0.68	138.08 10.58 -3.04	109.17 7.00 -4.98	87.81 4.42 0.00	69.82 2.43 0.00	60.43 2.32 -0.01
ASTORIA_GT3_4 24101	45.14 2.43 0.00	39.49 2.16 0.00	36.05 2.07 0.00	32.13 1.90 0.00	33.32 1.95 0.00	36.51 2.23 0.00	37.30 2.67 0.00	40.82 3.16 0.00	44.55 3.53 0.00	46.89 3.99 0.00	50.56 3.92 -0.02	55.65 4.59 0.00	60.51 4.79 -0.01	68.30 4.35 0.00	83.57 5.39 0.00	92.59 6.38 0.00	116.35 10.65 -1.33	148.76 13.52 -0.06	166.37 13.96 -0.68	138.08 10.58 -3.04	109.17 7.00 -4.98	87.81 4.42 0.00	69.82 2.43 0.00	60.43 2.32 -0.01
ASTORIA_GT4_1 24102	45.14 2.43 0.00	39.49 2.16 0.00	36.05 2.07 0.00	32.13 1.90 0.00	33.32 1.95 0.00	36.51 2.23 0.00	37.30 2.67 0.00	40.82 3.16 0.00	44.55 3.53 0.00	46.89 3.99 0.00	50.56 3.92 -0.02	55.65 4.59 0.00	60.51 4.79 -0.01	68.30 4.35 0.00	83.57 5.39 0.00	92.59 6.38 0.00	116.35 10.65 -1.33	148.76 13.52 -0.06	166.37 13.96 -0.68	138.08 10.58 -3.04	109.17 7.00 -4.98	87.81 4.42 0.00	69.82 2.43 0.00	60.43 2.32 -0.01
ASTORIA_GT4_2 24103	45.14 2.43 0.00	39.49 2.16 0.00	36.05 2.07 0.00	32.13 1.90 0.00	33.32 1.95 0.00	36.51 2.23 0.00	37.30 2.67 0.00	40.82 3.16 0.00	44.55 3.53 0.00	46.89 3.99 0.00	50.56 3.92 -0.02	55.65 4.59 0.00	60.51 4.79 -0.01	68.30 4.35 0.00	83.57 5.39 0.00	92.59 6.38 0.00	116.35 10.65 -1.33	148.76 13.52 -0.06	166.37 13.96 -0.68	138.08 10.58 -3.04	109.17 7.00 -4.98	87.81 4.42 0.00	69.82 2.43 0.00	60.43 2.32 -0.01
ASTORIA_GT4_3 24104	45.14 2.43 0.00	39.49 2.16 0.00	36.05 2.07 0.00	32.13 1.90 0.00	33.32 1.95 0.00	36.51 2.23 0.00	37.30 2.67 0.00	40.82 3.16 0.00	44.55 3.53 0.00	46.89 3.99 0.00	50.56 3.92 -0.02	55.65 4.59 0.00	60.51 4.79 -0.01	68.30 4.35 0.00	83.57 5.39 0.00	92.59 6.38 0.00	116.35 10.65 -1.33	148.76 13.52 -0.06	166.37 13.96 -0.68	138.08 10.58 -3.04	109.17 7.00 -4.98	87.81 4.42 0.00	69.82 2.43 0.00	60.43 2.32 -0.01



ASTORIA_GT4_4 24105	45.14 2.43 0.00	39.49 2.16 0.00	36.05 2.07 0.00	32.13 1.90 0.00	33.32 1.95 0.00	36.51 2.23 0.00	37.30 2.67 0.00	40.82 3.16 0.00	44.55 3.53 0.00	46.89 3.99 0.00	50.56 3.92 -0.02	55.65 4.59 0.00	60.51 4.79 -0.01	68.30 4.35 0.00	83.57 5.39 0.00	92.59 6.38 0.00	116.35 10.65 -1.33	148.76 13.52 -0.06	166.37 13.96 -0.68	138.08 10.58 -3.04	109.17 7.00 -4.98	87.81 4.42 0.00	69.82 2.43 0.00	60.43 2.32 -0.01
ASTORIA_GT_1 23523	45.23 2.52 0.00	39.56 2.24 0.00	36.12 2.14 0.00	32.19 1.96 0.00	33.38 2.01 0.00	36.57 2.30 0.00	37.37 2.74 0.00	40.89 3.24 0.00	44.67 3.65 0.00	47.02 4.12 0.00	50.70 4.06 -0.02	55.80 4.75 0.00	60.67 4.96 -0.01	68.49 4.54 0.00	83.88 5.71 0.00	92.94 6.72 0.00	116.66 10.96 -1.33	149.17 13.92 -0.06	166.83 14.41 -0.68	138.45 10.95 -3.04	109.46 7.29 -4.98	88.06 4.67 0.00	69.96 2.56 0.00	60.60 2.50 -0.01
ASTORIA_GT_10 24110	45.06 2.35 0.00	39.45 2.13 0.00	36.02 2.04 0.00	32.13 1.90 0.00	33.35 1.98 0.00	36.47 2.19 0.00	37.30 2.67 0.00	40.85 3.20 0.00	44.63 3.61 0.00	46.86 3.95 -0.02	50.66 4.01 -0.02	55.39 4.34 0.00	60.22 4.51 0.00	68.11 4.16 0.00	83.49 5.32 0.00	92.42 6.21 0.00	116.14 10.44 -1.33	148.22 12.98 -0.06	165.92 13.50 -0.68	137.71 10.21 -3.04	108.78 6.61 -4.98	87.56 4.17 0.00	69.62 2.22 0.00	60.30 2.21 0.00
ASTORIA_GT_11 24225	45.06 2.35 0.00	39.45 2.13 0.00	36.02 2.04 0.00	32.13 1.90 0.00	33.35 1.98 0.00	36.47 2.19 0.00	37.30 2.67 0.00	40.85 3.20 0.00	44.63 3.61 0.00	46.86 3.95 -0.02	50.66 4.01 -0.02	55.39 4.34 0.00	60.22 4.51 0.00	68.11 4.16 0.00	83.49 5.32 0.00	92.42 6.21 0.00	116.14 10.44 -1.33	148.22 12.98 -0.06	165.92 13.50 -0.68	137.71 10.21 -3.04	108.78 6.61 -4.98	87.56 4.17 0.00	69.62 2.22 0.00	60.30 2.21 0.00
ASTORIA_GT_12 24226	45.06 2.35 0.00	39.45 2.13 0.00	36.02 2.04 0.00	32.13 1.90 0.00	33.35 1.98 0.00	36.47 2.19 0.00	37.30 2.67 0.00	40.85 3.20 0.00	44.63 3.61 0.00	46.86 3.95 -0.02	50.66 4.01 -0.02	55.39 4.34 0.00	60.22 4.51 0.00	68.11 4.16 0.00	83.49 5.32 0.00	92.42 6.21 0.00	116.14 10.44 -1.33	148.22 12.98 -0.06	165.92 13.50 -0.68	137.71 10.21 -3.04	108.78 6.61 -4.98	87.56 4.17 0.00	69.62 2.22 0.00	60.30 2.21 0.00
ASTORIA_GT_13 24227	45.06 2.35 0.00	39.45 2.13 0.00	36.02 2.04 0.00	32.13 1.90 0.00	33.35 1.98 0.00	36.47 2.19 0.00	37.30 2.67 0.00	40.85 3.20 0.00	44.63 3.61 0.00	46.86 3.95 -0.02	50.66 4.01 -0.02	55.39 4.34 0.00	60.22 4.51 0.00	68.11 4.16 0.00	83.49 5.32 0.00	92.42 6.21 0.00	116.14 10.44 -1.33	148.22 12.98 -0.06	165.92 13.50 -0.68	137.71 10.21 -3.04	108.78 6.61 -4.98	87.56 4.17 0.00	69.62 2.22 0.00	60.30 2.21 0.00
ASTORIA_GT_5 24106	45.23 2.52 0.00	39.56 2.24 0.00	36.12 2.14 0.00	32.19 1.96 0.00	33.38 2.01 0.00	36.57 2.30 0.00	37.37 2.74 0.00	40.89 3.24 0.00	44.67 3.65 0.00	47.02 4.12 0.00	50.70 4.06 -0.02	55.80 4.75 0.00	60.67 4.96 -0.01	68.49 4.54 0.00	83.88 5.71 0.00	92.94 6.72 0.00	116.66 10.96 -1.33	149.17 13.92 -0.06	166.83 14.41 -0.68	138.45 10.95 -3.04	109.46 7.29 -4.98	88.06 4.67 0.00	69.96 2.56 0.00	60.60 2.50 -0.01
ASTORIA_GT_7 24107	45.23 2.52 0.00	39.56 2.24 0.00	36.12 2.14 0.00	32.19 1.96 0.00	33.38 2.01 0.00	36.57 2.30 0.00	37.37 2.74 0.00	40.89 3.24 0.00	44.67 3.65 0.00	47.02 4.12 0.00	50.70 4.06 -0.02	55.80 4.75 0.00	60.67 4.96 -0.01	68.49 4.54 0.00	83.88 5.71 0.00	92.94 6.72 0.00	116.66 10.96 -1.33	149.17 13.92 -0.06	166.83 14.41 -0.68	138.45 10.95 -3.04	109.46 7.29 -4.98	88.06 4.67 0.00	69.96 2.56 0.00	60.60 2.50 -0.01
ASTORIA_GT_8 24108	45.23 2.52 0.00	39.56 2.24 0.00	36.12 2.14 0.00	32.19 1.96 0.00	33.38 2.01 0.00	36.57 2.30 0.00	37.37 2.74 0.00	40.89 3.24 0.00	44.67 3.65 0.00	47.02 4.12 0.00	50.70 4.06 -0.02	55.80 4.75 0.00	60.67 4.96 -0.01	68.49 4.54 0.00	83.88 5.71 0.00	92.94 6.72 0.00	116.66 10.96 -1.33	149.17 13.92 -0.06	166.83 14.41 -0.68	138.45 10.95 -3.04	109.46 7.29 -4.98	88.06 4.67 0.00	69.96 2.56 0.00	60.60 2.50 -0.01
ASTORIA___2 24149	45.11 2.39 -0.01	39.50 2.16 -0.01	36.06 2.07 -0.01	32.14 1.91 -0.01	33.33 1.95 -0.01	36.51 2.23 -0.01	37.28 2.63 -0.01	40.83 3.16 -0.01	44.56 3.53 -0.01	46.90 3.99 -0.01	50.46 3.82 -0.01	55.60 4.54 0.00	60.17 4.46 -0.01	68.23 4.29 0.01	83.56 5.39 0.01	92.59 6.38 0.01	116.35 10.65 -1.33	148.75 13.52 -0.05	166.21 13.81 -0.67	137.95 10.46 -3.03	109.25 7.09 -4.97	87.88 4.50 0.01	69.81 2.42 0.01	60.43 2.33 -0.01
ASTORIA___3 23516	45.06 2.35 -0.01	39.46 2.13 -0.01	36.03 2.04 -0.01	32.14 1.91 -0.01	33.33 1.95 -0.01	36.48 2.20 -0.01	37.28 2.63 -0.01	40.86 3.20 -0.01	44.64 3.61 -0.01	46.87 3.94 -0.02	50.56 3.92 -0.02	55.34 4.29 0.00	59.94 4.23 0.00	67.98 4.03 0.01	83.40 5.24 0.01	92.42 6.21 0.01	116.13 10.44 -1.33	148.22 12.98 -0.05	165.90 13.50 -0.67	137.70 10.21 -3.03	108.96 6.80 -4.97	87.63 4.25 0.01	69.68 2.29 0.01	60.30 2.21 0.00
ASTORIA___4 23517	45.06 2.35 0.00	39.45 2.13 0.00	36.02 2.04 0.00	32.13 1.90 0.00	33.35 1.98 0.00	36.47 2.19 0.00	37.30 2.67 0.00	40.85 3.20 0.00	44.63 3.61 0.00	46.86 3.95 -0.02	50.66 4.01 -0.02	55.39 4.34 0.00	60.22 4.51 0.00	68.11 4.16 0.00	83.49 5.32 0.00	92.42 6.21 0.00	116.14 10.44 -1.33	148.22 12.98 -0.06	165.92 13.50 -0.68	137.71 10.21 -3.04	108.78 6.61 -4.98	87.56 4.17 0.00	69.62 2.22 0.00	60.30 2.21 0.00
ASTORIA___5 23518	45.06 2.35 -0.01	39.46 2.13 -0.01	36.03 2.04 -0.01	32.14 1.91 -0.01	33.33 1.95 -0.01	36.48 2.20 -0.01	37.28 2.63 -0.01	40.86 3.20 -0.01	44.64 3.61 -0.01	46.87 3.94 -0.02	50.56 3.92 -0.02	55.34 4.29 0.00	59.94 4.23 0.00	67.98 4.03 0.01	83.40 5.24 0.01	92.42 6.21 0.01	116.13 10.44 -1.33	148.22 12.98 -0.05	165.90 13.50 -0.67	137.70 10.21 -3.03	108.96 6.80 -4.97	87.63 4.25 0.01	69.68 2.29 0.01	60.30 2.21 0.00
AST_ENERGY_2_CC3 323677	37.33 2.09 7.47	37.33 1.94 1.93	35.81 1.83 0.00	31.98 1.75 0.00	33.16 1.79 0.00	36.26 1.99 0.00	37.10 2.46 0.00	37.33 3.01 3.34	37.33 3.45 7.14	37.33 3.78 9.35	43.14 3.82 7.31	43.14 4.03 11.95	43.14 4.23 16.80	51.56 4.54 16.93	65.96 5.87 18.08	74.98 6.90 18.14	93.96 11.38 21.79	104.29 14.06 44.95	126.11 14.71 40.34	108.17 11.07 27.37	91.14 7.38 13.44	69.83 4.83 18.39	52.24 2.76 17.92	44.32 2.55 16.33
AST_ENERGY_2_CC4 323678	37.33 2.09 7.47	37.33 1.94 1.93	35.81 1.83 0.00	31.98 1.75 0.00	33.16 1.79 0.00	36.26 1.99 0.00	37.10 2.46 0.00	37.33 3.01 3.34	37.33 3.45 7.14	37.33 3.78 9.35	43.14 3.82 7.31	43.14 4.03 11.95	43.14 4.23 16.80	51.56 4.54 16.93	65.96 5.87 18.08	74.98 6.90 18.14	93.96 11.38 21.79	104.29 14.06 44.95	126.11 14.71 40.34	108.17 11.07 27.37	91.14 7.38 13.44	69.83 4.83 18.39	52.24 2.76 17.92	44.32 2.55 16.33



ATHENS_STG_1 23668	43.35 0.64 0.00	37.92 0.60 0.00	34.69 0.71 0.00	30.98 0.76 0.00	32.09 0.72 0.00	35.10 0.82 0.00	35.67 1.04 0.00	38.93 1.28 0.00	42.37 1.35 0.00	44.36 1.46 0.00	48.08 1.45 0.00	52.58 1.53 0.00	57.44 1.73 0.00	65.81 1.86 0.00	80.52 2.34 0.00	88.89 2.68 0.00	109.18 4.80 0.00	141.13 5.94 0.00	158.11 6.37 0.00	131.56 4.73 -2.37	104.27 3.20 -3.87	85.55 2.16 0.00	68.41 1.01 0.00	59.02 0.93 0.00
ATHENS_STG_2 23670	43.35 0.64 0.00	37.92 0.60 0.00	34.69 0.71 0.00	30.98 0.76 0.00	32.09 0.72 0.00	35.10 0.82 0.00	35.67 1.04 0.00	38.93 1.28 0.00	42.37 1.35 0.00	44.36 1.46 0.00	48.08 1.45 0.00	52.58 1.53 0.00	57.44 1.73 0.00	65.81 1.86 0.00	80.52 2.34 0.00	88.89 2.68 0.00	109.18 4.80 0.00	141.13 5.94 0.00	158.11 6.37 0.00	131.56 4.73 -2.37	104.27 3.20 -3.87	85.55 2.16 0.00	68.41 1.01 0.00	59.02 0.93 0.00
ATHENS_STG_3 23677	43.35 0.64 0.00	37.92 0.60 0.00	34.69 0.71 0.00	30.98 0.76 0.00	32.09 0.72 0.00	35.10 0.82 0.00	35.67 1.04 0.00	38.93 1.28 0.00	42.37 1.35 0.00	44.36 1.46 0.00	48.08 1.45 0.00	52.58 1.53 0.00	57.44 1.73 0.00	65.81 1.86 0.00	80.52 2.34 0.00	88.89 2.68 0.00	109.18 4.80 0.00	141.13 5.94 0.00	158.11 6.37 0.00	131.56 4.73 -2.37	104.27 3.20 -3.87	85.55 2.16 0.00	68.41 1.01 0.00	59.02 0.93 0.00
AUBURN___LFGE 323710	43.09 0.38 0.00	37.62 0.30 0.00	34.18 0.20 0.00	30.44 0.21 0.00	31.59 0.22 0.00	34.55 0.27 0.00	35.19 0.55 0.00	38.18 0.53 0.00	41.76 0.74 0.00	43.72 0.82 0.00	47.61 0.98 0.00	52.43 1.38 0.00	57.16 1.45 0.00	65.93 1.98 0.00	80.60 2.42 0.00	89.49 3.28 0.00	108.76 4.38 0.00	144.84 5.68 -3.97	164.27 6.83 -5.71	133.28 5.85 -2.96	101.37 4.18 0.00	85.97 2.58 0.00	69.01 1.62 0.00	59.26 1.16 0.00
BABYLON_RES_REC 323704	45.53 2.82 0.00	39.79 2.46 0.00	36.29 2.31 0.00	32.43 2.21 0.00	33.51 2.13 0.00	36.68 2.40 0.00	37.30 2.67 0.00	41.19 3.54 0.00	45.04 4.02 0.00	46.59 3.69 0.00	49.61 2.99 0.01	53.97 3.06 0.15	58.94 3.34 0.11	66.89 2.94 0.00	81.75 3.68 0.10	91.47 5.26 0.00	117.08 11.38 -1.33	149.86 14.60 -0.06	167.74 15.32 -0.68	138.94 11.44 -3.04	108.20 6.03 -4.98	86.75 3.84 0.48	63.88 2.22 5.74	54.15 1.62 5.56
BALL_HILL_WT_PWR 323825	41.94 -0.77 0.00	36.92 -0.41 0.00	33.23 -0.75 0.00	29.77 -0.45 0.00	30.71 -0.66 0.00	33.45 -0.82 0.00	34.19 -0.45 0.00	36.11 -1.55 0.00	40.04 -0.98 0.00	42.00 -0.90 0.00	46.25 -0.37 0.00	51.46 0.41 0.00	56.82 1.11 0.00	65.16 1.21 0.00	79.19 1.01 0.00	89.31 3.10 0.00	108.12 3.75 0.00	138.16 2.97 0.00	155.37 3.64 0.00	127.82 3.36 0.00	98.74 1.55 0.00	82.81 -0.58 0.00	66.79 -0.61 0.00	57.69 -0.40 0.00
BARON_WINDS___WT_PWR 323822	42.45 -0.25 0.00	37.21 -0.11 0.00	33.61 -0.37 0.00	30.01 -0.21 0.00	31.06 -0.31 0.00	33.90 -0.38 0.00	34.60 -0.03 0.00	36.83 -0.83 0.00	40.49 -0.53 0.00	42.34 -0.56 0.00	46.35 -0.28 0.00	51.21 0.15 0.00	56.10 0.39 0.00	64.53 0.57 0.00	78.49 0.31 0.00	88.03 1.81 0.00	106.87 2.50 0.00	137.49 2.30 0.00	155.07 3.33 0.00	129.05 3.73 -0.86	100.93 2.33 -1.41	83.81 0.42 0.00	67.46 0.07 0.00	58.04 -0.06 0.00
BARRETT_IC_1 23704	45.27 2.56 0.00	39.60 2.28 0.00	36.12 2.14 0.00	32.28 2.06 0.00	33.38 2.01 0.00	36.50 2.23 0.00	37.13 2.50 0.00	40.97 3.31 0.00	44.79 3.77 0.00	46.51 3.60 -0.01	49.47 2.84 0.00	54.38 3.32 -0.01	59.39 3.68 -0.01	67.60 3.64 -0.01	82.79 4.53 -0.08	92.08 5.87 0.00	117.09 11.38 -1.34	149.45 14.19 -0.06	167.59 15.17 -0.69	138.58 11.07 -3.04	108.58 6.41 -4.98	88.06 4.58 -0.09	80.88 3.04 -10.45	70.34 2.15 -10.10
BARRETT_IC_10 23701	45.27 2.56 0.00	39.60 2.28 0.00	36.12 2.14 0.00	32.28 2.06 0.00	33.38 2.01 0.00	36.50 2.23 0.00	37.13 2.50 0.00	40.97 3.31 0.00	44.79 3.77 0.00	46.51 3.60 -0.01	49.47 2.84 0.00	54.38 3.32 -0.01	59.39 3.68 -0.01	67.60 3.64 -0.01	82.73 4.53 -0.02	92.06 5.87 0.02	117.07 11.38 -1.32	149.43 14.19 -0.05	167.58 15.17 -0.67	138.56 11.07 -3.02	108.57 6.41 -4.96	87.98 4.58 -0.01	80.88 3.04 -10.45	70.34 2.15 -10.10
BARRETT_IC_11 23702	45.27 2.56 0.00	39.60 2.28 0.00	36.12 2.14 0.00	32.28 2.06 0.00	33.38 2.01 0.00	36.50 2.23 0.00	37.13 2.50 0.00	40.97 3.31 0.00	44.79 3.77 0.00	46.51 3.60 -0.01	49.47 2.84 0.00	54.38 3.32 -0.01	59.39 3.68 -0.01	67.60 3.64 -0.01	82.73 4.53 -0.02	92.06 5.87 0.02	117.07 11.38 -1.32	149.43 14.19 -0.05	167.58 15.17 -0.67	138.56 11.07 -3.02	108.57 6.41 -4.96	87.98 4.58 -0.01	80.88 3.04 -10.45	70.34 2.15 -10.10
BARRETT_IC_12 23703	45.27 2.56 0.00	39.60 2.28 0.00	36.12 2.14 0.00	32.28 2.06 0.00	33.38 2.01 0.00	36.50 2.23 0.00	37.13 2.50 0.00	40.97 3.31 0.00	44.79 3.77 0.00	46.51 3.60 -0.01	49.47 2.84 0.00	54.38 3.32 -0.01	59.39 3.68 -0.01	67.60 3.64 -0.01	82.73 4.53 -0.02	92.06 5.87 0.02	117.07 11.38 -1.32	149.43 14.19 -0.05	167.58 15.17 -0.67	138.56 11.07 -3.02	108.57 6.41 -4.96	87.98 4.58 -0.01	80.88 3.04 -10.45	70.34 2.15 -10.10
BARRETT_IC_2 23705	45.27 2.56 0.00	39.60 2.28 0.00	36.12 2.14 0.00	32.28 2.06 0.00	33.38 2.01 0.00	36.50 2.23 0.00	37.13 2.50 0.00	40.97 3.31 0.00	44.79 3.77 0.00	46.51 3.60 -0.01	49.47 2.84 0.00	54.38 3.32 -0.01	59.39 3.68 -0.01	67.60 3.64 -0.01	82.79 4.53 -0.08	92.08 5.87 0.00	117.09 11.38 -1.34	149.45 14.19 -0.06	167.59 15.17 -0.69	138.58 11.07 -3.04	108.58 6.41 -4.98	88.06 4.58 -0.09	80.88 3.04 -10.45	70.34 2.15 -10.10
BARRETT_IC_3 23706	45.27 2.56 0.00	39.60 2.28 0.00	36.12 2.14 0.00	32.28 2.06 0.00	33.38 2.01 0.00	36.50 2.23 0.00	37.13 2.50 0.00	40.97 3.31 0.00	44.79 3.77 0.00	46.51 3.60 -0.01	49.47 2.84 0.00	54.38 3.32 -0.01	59.39 3.68 -0.01	67.60 3.64 -0.01	82.79 4.53 -0.08	92.08 5.87 0.00	117.09 11.38 -1.34	149.45 14.19 -0.06	167.59 15.17 -0.69	138.58 11.07 -3.04	108.58 6.41 -4.98	88.06 4.58 -0.09	80.88 3.04 -10.45	70.34 2.15 -10.10
BARRETT_IC_4 23707	45.27 2.56 0.00	39.60 2.28 0.00	36.12 2.14 0.00	32.28 2.06 0.00	33.38 2.01 0.00	36.50 2.23 0.00	37.13 2.50 0.00	40.97 3.31 0.00	44.79 3.77 0.00	46.51 3.60 -0.01	49.47 2.84 0.00	54.38 3.32 -0.01	59.39 3.68 -0.01	67.60 3.64 -0.01	82.79 4.53 -0.08	92.08 5.87 0.00	117.09 11.38 -1.34	149.45 14.19 -0.06	167.59 15.17 -0.69	138.58 11.07 -3.04	108.58 6.41 -4.98	88.06 4.58 -0.09	80.88 3.04 -10.45	70.34 2.15 -10.10
BARRETT_IC_5 23708	45.27 2.56 0.00	39.60 2.28 0.00	36.12 2.14 0.00	32.28 2.06 0.00	33.38 2.01 0.00	36.50 2.23 0.00	37.13 2.50 0.00	40.97 3.31 0.00	44.79 3.77 0.00	46.51 3.60 -0.01	49.47 2.84 0.00	54.38 3.32 -0.01	59.39 3.68 -0.01	67.60 3.64 -0.01	82.79 4.53 -0.08	92.08 5.87 0.00	117.09 11.38 -1.34	149.45 14.19 -0.06	167.59 15.17 -0.69	138.58 11.07 -3.04	108.58 6.41 -4.98	88.06 4.58 -0.09	80.88 3.04 -10.45	70.34 2.15 -10.10



BARRETT_IC_6 23709	45.27 2.56 0.00	39.60 2.28 0.00	36.12 2.14 0.00	32.28 2.06 0.00	33.38 2.01 0.00	36.50 2.23 0.00	37.13 2.50 0.00	40.97 3.31 0.00	44.79 3.77 0.00	46.51 3.60 -0.01	49.47 2.84 0.00	54.38 3.32 -0.01	59.39 3.68 -0.01	67.60 3.64 -0.01	82.79 4.53 -0.08	92.08 5.87 0.00	117.09 11.38 -1.34	149.45 14.19 -0.06	167.59 15.17 -0.69	138.58 11.07 -3.04	108.58 6.41 -4.98	88.06 4.58 -0.09	80.88 3.04 -10.45	70.34 2.15 -10.10
BARRETT_IC_7 23710	45.36 2.65 0.00	39.60 2.28 0.00	36.12 2.14 0.00	32.28 2.06 0.00	33.41 2.04 0.00	36.54 2.26 0.00	37.16 2.53 0.00	40.97 3.31 0.00	44.80 3.77 0.00	46.59 3.69 0.00	49.75 3.12 0.00	54.53 3.47 0.00	59.50 3.79 0.00	67.92 3.97 0.00	83.25 5.00 -0.07	92.08 5.86 0.00	116.98 11.27 -1.33	149.58 14.33 -0.06	167.59 15.17 -0.68	139.08 11.57 -3.04	108.20 6.03 -4.98	87.23 3.75 -0.09	80.88 3.03 -10.45	70.34 2.15 -10.10
BARRETT_IC_8 23711	45.27 2.56 0.00	39.60 2.28 0.00	36.12 2.14 0.00	32.28 2.06 0.00	33.38 2.01 0.00	36.50 2.23 0.00	37.13 2.50 0.00	40.97 3.31 0.00	44.79 3.77 0.00	46.51 3.60 -0.01	49.47 2.84 0.00	54.38 3.32 -0.01	59.39 3.68 -0.01	67.60 3.64 -0.01	82.79 4.53 -0.08	92.08 5.87 0.00	117.09 11.38 -1.34	149.45 14.19 -0.06	167.59 15.17 -0.69	138.58 11.07 -3.04	108.58 6.41 -4.98	88.06 4.58 -0.09	80.88 3.04 -10.45	70.34 2.15 -10.10
BARRETT_IC_9 23700	45.27 2.56 0.00	39.60 2.28 0.00	36.12 2.14 0.00	32.28 2.06 0.00	33.38 2.01 0.00	36.50 2.23 0.00	37.13 2.50 0.00	40.97 3.31 0.00	44.79 3.77 0.00	46.51 3.60 -0.01	49.47 2.84 0.00	54.38 3.32 -0.01	59.39 3.68 -0.01	67.60 3.64 -0.01	82.73 4.53 -0.02	92.06 5.87 0.02	117.07 11.38 -1.32	149.43 14.19 -0.05	167.58 15.17 -0.67	138.56 11.07 -3.02	108.57 6.41 -4.96	87.98 4.58 -0.01	80.88 3.04 -10.45	70.34 2.15 -10.10
BARRETT___1 23545	45.27 2.56 0.00	39.60 2.28 0.00	36.12 2.14 0.00	32.28 2.06 0.00	33.38 2.01 0.00	36.50 2.23 0.00	37.13 2.50 0.00	40.97 3.31 0.00	44.79 3.77 0.00	46.51 3.60 -0.01	49.47 2.84 0.00	54.38 3.32 -0.01	59.39 3.68 -0.01	67.60 3.64 -0.01	82.79 4.53 -0.08	92.08 5.87 0.00	117.09 11.38 -1.34	149.45 14.19 -0.06	167.59 15.17 -0.69	138.58 11.07 -3.04	108.58 6.41 -4.98	88.06 4.58 -0.09	80.88 3.04 -10.45	70.34 2.15 -10.10
BARRETT___2 23546	45.27 2.56 0.00	39.60 2.28 0.00	36.12 2.14 0.00	32.28 2.06 0.00	33.38 2.01 0.00	36.50 2.23 0.00	37.13 2.50 0.00	40.97 3.31 0.00	44.79 3.77 0.00	46.51 3.60 -0.01	49.47 2.84 0.00	54.38 3.32 -0.01	59.39 3.68 -0.01	67.60 3.64 -0.01	82.73 4.53 -0.02	92.06 5.87 0.02	117.07 11.38 -1.32	149.43 14.19 -0.05	167.58 15.17 -0.67	138.56 11.07 -3.02	108.57 6.41 -4.96	87.98 4.58 -0.01	80.88 3.04 -10.45	70.34 2.15 -10.10
BATAVIA___115KV_TB1 55881	43.31 0.60 0.00	37.88 0.56 0.00	34.18 0.20 0.00	30.62 0.39 0.00	31.62 0.25 0.00	34.45 0.17 0.00	35.09 0.45 0.00	37.28 -0.38 0.00	41.19 0.16 0.00	43.11 0.21 0.00	47.19 0.56 0.00	52.48 1.43 0.00	57.21 1.50 0.00	66.51 2.56 0.00	80.91 2.74 0.00	89.40 3.19 0.00	108.34 3.97 0.00	138.97 3.79 0.00	156.74 5.01 0.00	128.94 4.48 0.00	99.92 2.72 0.00	83.55 0.17 0.00	67.66 0.27 0.00	58.33 0.23 0.00
BAYONEEC___CTG1 323682	44.84 2.13 0.00	39.26 1.94 0.00	35.81 1.83 0.00	31.98 1.75 0.00	33.16 1.79 0.00	36.26 1.99 0.00	37.13 2.50 0.00	40.74 3.09 0.00	44.51 3.48 0.00	46.78 3.86 -0.01	50.51 3.87 -0.01	55.14 4.09 0.00	59.94 4.23 0.00	68.49 4.54 0.00	84.04 5.87 0.00	93.11 6.90 0.00	117.08 11.38 -1.33	149.30 14.06 -0.06	167.13 14.71 -0.68	138.57 11.07 -3.04	109.55 7.38 -4.98	88.22 4.83 0.00	70.16 2.76 0.00	60.59 2.50 0.00
BAYONEEC___CTG10 323750	44.84 2.13 0.00	39.26 1.94 0.00	35.81 1.83 0.00	31.98 1.75 0.00	33.16 1.79 0.00	36.26 1.99 0.00	37.13 2.50 0.00	40.74 3.09 0.00	44.51 3.48 0.00	46.78 3.86 -0.01	50.51 3.87 -0.01	55.14 4.09 0.00	59.94 4.23 0.00	68.49 4.54 0.00	84.04 5.87 0.00	93.11 6.90 0.00	117.08 11.38 -1.33	149.30 14.06 -0.06	167.13 14.71 -0.68	138.57 11.07 -3.04	109.55 7.38 -4.98	88.22 4.83 0.00	70.16 2.76 0.00	60.59 2.50 0.00
BAYONEEC___CTG2 323683	44.84 2.13 0.00	39.26 1.94 0.00	35.81 1.83 0.00	31.98 1.75 0.00	33.16 1.79 0.00	36.26 1.99 0.00	37.13 2.50 0.00	40.74 3.09 0.00	44.51 3.48 0.00	46.78 3.86 -0.01	50.51 3.87 -0.01	55.14 4.09 0.00	59.94 4.23 0.00	68.49 4.54 0.00	84.04 5.87 0.00	93.11 6.90 0.00	117.08 11.38 -1.33	149.30 14.06 -0.06	167.13 14.71 -0.68	138.57 11.07 -3.04	109.55 7.38 -4.98	88.22 4.83 0.00	70.16 2.76 0.00	60.59 2.50 0.00
BAYONEEC___CTG3 323684	44.84 2.13 0.00	39.26 1.94 0.00	35.81 1.83 0.00	31.98 1.75 0.00	33.16 1.79 0.00	36.26 1.99 0.00	37.13 2.50 0.00	40.74 3.09 0.00	44.51 3.48 0.00	46.78 3.86 -0.01	50.51 3.87 -0.01	55.14 4.09 0.00	59.94 4.23 0.00	68.49 4.54 0.00	84.04 5.87 0.00	93.11 6.90 0.00	117.08 11.38 -1.33	149.30 14.06 -0.06	167.13 14.71 -0.68	138.57 11.07 -3.04	109.55 7.38 -4.98	88.22 4.83 0.00	70.16 2.76 0.00	60.59 2.50 0.00
BAYONEEC___CTG4 323685	44.84 2.13 0.00	39.26 1.94 0.00	35.81 1.83 0.00	31.98 1.75 0.00	33.16 1.79 0.00	36.26 1.99 0.00	37.13 2.50 0.00	40.74 3.09 0.00	44.51 3.48 0.00	46.78 3.86 -0.01	50.51 3.87 -0.01	55.14 4.09 0.00	59.94 4.23 0.00	68.49 4.54 0.00	84.04 5.87 0.00	93.11 6.90 0.00	117.08 11.38 -1.33	149.30 14.06 -0.06	167.13 14.71 -0.68	138.57 11.07 -3.04	109.55 7.38 -4.98	88.22 4.83 0.00	70.16 2.76 0.00	60.59 2.50 0.00
BAYONEEC___CTG5 323686	44.84 2.13 0.00	39.26 1.94 0.00	35.81 1.83 0.00	31.98 1.75 0.00	33.16 1.79 0.00	36.26 1.99 0.00	37.13 2.50 0.00	40.74 3.09 0.00	44.51 3.48 0.00	46.78 3.86 -0.01	50.51 3.87 -0.01	55.14 4.09 0.00	59.94 4.23 0.00	68.49 4.54 0.00	84.04 5.87 0.00	93.11 6.90 0.00	117.08 11.38 -1.33	149.30 14.06 -0.06	167.13 14.71 -0.68	138.57 11.07 -3.04	109.55 7.38 -4.98	88.22 4.83 0.00	70.16 2.76 0.00	60.59 2.50 0.00
BAYONEEC___CTG6 323687	44.84 2.13 0.00	39.26 1.94 0.00	35.81 1.83 0.00	31.98 1.75 0.00	33.16 1.79 0.00	36.26 1.99 0.00	37.13 2.50 0.00	40.74 3.09 0.00	44.51 3.48 0.00	46.78 3.86 -0.01	50.51 3.87 -0.01	55.14 4.09 0.00	59.94 4.23 0.00	68.49 4.54 0.00	84.04 5.87 0.00	93.11 6.90 0.00	117.08 11.38 -1.33	149.30 14.06 -0.06	167.13 14.71 -0.68	138.57 11.07 -3.04	109.55 7.38 -4.98	88.22 4.83 0.00	70.16 2.76 0.00	60.59 2.50 0.00
BAYONEEC___CTG7 323688	44.84 2.13 0.00	39.26 1.94 0.00	35.81 1.83 0.00	31.98 1.75 0.00	33.16 1.79 0.00	36.26 1.99 0.00	37.13 2.50 0.00	40.74 3.09 0.00	44.51 3.48 0.00	46.78 3.86 -0.01	50.51 3.87 -0.01	55.14 4.09 0.00	59.94 4.23 0.00	68.49 4.54 0.00	84.04 5.87 0.00	93.11 6.90 0.00	117.08 11.38 -1.33	149.30 14.06 -0.06	167.13 14.71 -0.68	138.57 11.07 -3.04	109.55 7.38 -4.98	88.22 4.83 0.00	70.16 2.76 0.00	60.59 2.50 0.00



BAYONEEC___CTG8 323689	44.84 2.13 0.00	39.26 1.94 0.00	35.81 1.83 0.00	31.98 1.75 0.00	33.16 1.79 0.00	36.26 1.99 0.00	37.13 2.50 0.00	40.74 3.09 0.00	44.51 3.48 0.00	46.78 3.86 -0.01	50.51 3.87 -0.01	55.14 4.09 0.00	59.94 4.23 0.00	68.49 4.54 0.00	84.04 5.87 0.00	93.11 6.90 0.00	117.08 11.38 -1.33	149.30 14.06 -0.06	167.13 14.71 -0.68	138.57 11.07 -3.04	109.55 7.38 -4.98	88.22 4.83 0.00	70.16 2.76 0.00	60.59 2.50 0.00
BAYONEEC___CTG9 323749	44.84 2.13 0.00	39.26 1.94 0.00	35.81 1.83 0.00	31.98 1.75 0.00	33.16 1.79 0.00	36.26 1.99 0.00	37.13 2.50 0.00	40.74 3.09 0.00	44.51 3.48 0.00	46.78 3.86 -0.01	50.51 3.87 -0.01	55.14 4.09 0.00	59.94 4.23 0.00	68.49 4.54 0.00	84.04 5.87 0.00	93.11 6.90 0.00	117.08 11.38 -1.33	149.30 14.06 -0.06	167.13 14.71 -0.68	138.57 11.07 -3.04	109.55 7.38 -4.98	88.22 4.83 0.00	70.16 2.76 0.00	60.59 2.50 0.00
BEACON___LESR 323632	43.18 0.47 0.00	37.81 0.48 0.00	34.69 0.71 0.00	30.98 0.76 0.00	32.09 0.72 0.00	35.07 0.79 0.00	35.64 1.01 0.00	38.86 1.20 0.00	42.17 1.15 0.00	44.01 1.11 0.00	47.70 1.07 0.00	52.23 1.18 0.00	57.10 1.39 0.00	65.55 1.60 0.00	79.97 1.80 0.00	88.37 2.16 0.00	84.62 4.07 23.82	139.87 5.68 1.00	145.80 6.22 12.16	145.75 4.47 -16.81	127.83 3.11 -27.53	85.47 2.09 0.00	68.61 1.21 0.00	59.08 0.99 0.00
BEAVER RIVER___HYD 24048	43.69 0.98 0.00	38.11 0.79 0.00	34.56 0.58 0.00	30.68 0.45 0.00	31.87 0.50 0.00	35.03 0.75 0.00	35.47 0.83 0.00	38.48 0.83 0.00	41.76 0.74 0.00	43.42 0.52 0.00	47.05 0.42 0.00	51.26 0.21 0.00	55.82 0.11 0.00	63.38 -0.58 0.00	77.63 -0.54 0.00	86.04 -0.17 0.00	102.59 -0.52 1.26	213.68 0.68 -77.81	265.49 1.97 -111.78	186.62 4.10 -58.06	99.82 2.63 0.00	87.05 3.66 0.00	70.02 2.63 0.00	60.01 1.91 0.00
BEEBEE_GT_13 23619	42.92 0.21 0.00	37.44 0.11 0.00	33.91 -0.07 0.00	30.25 0.03 0.00	31.34 -0.03 0.00	34.17 -0.10 0.00	34.84 0.21 0.00	37.58 -0.08 0.00	41.35 0.33 0.00	43.33 0.43 0.00	47.42 0.79 0.00	52.59 1.53 0.00	57.16 1.45 0.00	66.32 2.37 0.00	80.83 2.66 0.00	90.27 4.05 0.00	109.38 5.01 0.00	140.46 5.27 0.00	157.96 6.22 0.00	129.57 5.10 0.00	100.60 3.40 0.00	84.72 1.33 0.00	68.47 1.08 0.00	58.97 0.87 0.00
BENSHRST_27_KV_BENSHRST_1 355998	45.57 2.86 0.00	39.83 2.50 0.00	36.32 2.34 0.00	32.40 2.18 0.00	33.60 2.23 0.00	36.71 2.43 0.00	37.55 2.91 0.00	41.16 3.50 0.00	45.00 3.98 0.00	47.34 4.42 -0.02	51.08 4.43 -0.02	55.80 4.75 0.00	60.72 5.01 0.00	68.75 4.80 0.00	84.35 6.18 0.00	93.46 7.24 0.00	117.50 11.79 -1.33	149.98 14.74 -0.06	168.04 15.63 -0.68	139.45 11.95 -3.04	110.14 7.97 -4.98	88.72 5.34 0.00	70.49 3.10 0.00	60.94 2.85 0.00
BETHLEHEM___GRP 23843	42.49 -0.21 0.00	37.25 -0.07 0.00	34.22 0.24 0.00	30.62 0.39 0.00	31.69 0.31 0.00	34.59 0.31 0.00	35.12 0.48 0.00	38.29 0.64 0.00	41.55 0.53 0.00	43.37 0.47 0.00	47.05 0.42 0.00	51.46 0.41 0.00	56.27 0.56 0.00	64.46 0.51 0.00	78.72 0.55 0.00	86.82 0.60 0.00	93.46 1.98 12.89	137.49 2.84 0.54	148.01 2.88 6.61	142.80 1.87 -16.47	125.24 1.07 -26.98	83.89 0.50 0.00	67.33 -0.07 0.00	58.04 -0.06 0.00
BETHLEHEM___GS1 323560	42.54 -0.17 0.00	37.25 -0.07 0.00	34.22 0.24 0.00	30.62 0.39 0.00	31.69 0.31 0.00	34.59 0.31 0.00	35.12 0.48 0.00	38.29 0.64 0.00	41.55 0.53 0.00	43.37 0.47 0.00	47.00 0.37 0.00	51.41 0.36 0.00	56.21 0.50 0.00	64.46 0.51 0.00	78.73 0.55 0.00	86.82 0.61 0.00	93.52 2.09 12.94	137.49 2.84 0.54	148.00 2.88 6.61	142.81 1.87 -16.47	125.24 1.07 -26.98	83.89 0.50 0.00	67.33 -0.07 0.00	58.04 -0.06 0.00
BETHLEHEM___GS2 323561	42.54 -0.17 0.00	37.25 -0.07 0.00	34.22 0.24 0.00	30.62 0.39 0.00	31.69 0.31 0.00	34.59 0.31 0.00	35.12 0.48 0.00	38.29 0.64 0.00	41.55 0.53 0.00	43.37 0.47 0.00	47.00 0.37 0.00	51.41 0.36 0.00	56.21 0.50 0.00	64.46 0.51 0.00	78.73 0.55 0.00	86.82 0.61 0.00	93.52 2.09 12.94	137.49 2.84 0.54	148.00 2.88 6.61	142.81 1.87 -16.47	125.24 1.07 -26.98	83.89 0.50 0.00	67.33 -0.07 0.00	58.04 -0.06 0.00
BETHLEHEM___GS3 323562	42.54 -0.17 0.00	37.25 -0.07 0.00	34.22 0.24 0.00	30.62 0.39 0.00	31.69 0.31 0.00	34.59 0.31 0.00	35.12 0.48 0.00	38.29 0.64 0.00	41.55 0.53 0.00	43.37 0.47 0.00	47.00 0.37 0.00	51.41 0.36 0.00	56.21 0.50 0.00	64.46 0.51 0.00	78.73 0.55 0.00	86.82 0.61 0.00	93.52 2.09 12.94	137.49 2.84 0.54	148.00 2.88 6.61	142.81 1.87 -16.47	125.24 1.07 -26.98	83.89 0.50 0.00	67.33 -0.07 0.00	58.04 -0.06 0.00
BETHLEHEM___STEEL 23779	41.85 -0.85 0.00	36.91 -0.41 0.00	33.23 -0.75 0.00	29.80 -0.42 0.00	30.68 -0.69 0.00	33.45 -0.82 0.00	34.15 -0.48 0.00	36.11 -1.54 0.00	40.08 -0.94 0.00	42.00 -0.90 0.00	45.84 -0.79 0.00	51.21 0.15 0.00	55.93 0.22 0.00	65.04 1.09 0.00	79.11 0.94 0.00	88.97 2.76 0.00	107.71 3.34 0.00	137.49 2.30 0.00	154.62 2.88 0.00	127.08 2.61 0.00	98.26 1.07 0.00	82.05 -1.33 0.00	66.59 -0.81 0.00	57.57 -0.52 0.00
BETHLHEM_115KV_TB1 79974	42.62 -0.09 0.00	37.32 0.00 0.00	34.28 0.31 0.00	30.65 0.42 0.00	31.75 0.38 0.00	34.65 0.38 0.00	35.19 0.55 0.00	38.33 0.68 0.00	41.64 0.62 0.00	43.46 0.56 0.00	47.14 0.51 0.00	51.56 0.51 0.00	56.38 0.67 0.00	64.59 0.64 0.00	78.88 0.70 0.00	86.99 0.78 0.00	94.54 2.30 12.13	137.79 3.11 0.51	148.86 3.34 6.22	142.41 2.24 -15.70	124.17 1.26 -25.72	84.05 0.67 0.00	67.46 0.07 0.00	58.15 0.06 0.00
BETHPAGE_CC_5 323564	45.23 2.52 0.00	39.53 2.20 0.00	36.12 2.14 0.00	32.28 2.06 0.00	33.38 2.01 0.00	36.50 2.23 0.00	37.13 2.50 0.00	40.93 3.27 0.00	44.79 3.77 0.00	46.46 3.56 0.00	49.51 2.89 0.01	54.27 3.32 0.10	59.30 3.68 0.08	67.53 3.58 0.00	82.56 4.45 0.07	92.25 6.03 0.00	117.70 12.00 -1.33	150.52 15.27 -0.06	168.50 16.08 -0.68	139.57 12.07 -3.04	108.87 6.70 -4.98	87.56 4.50 0.32	65.22 2.76 4.94	55.16 1.86 4.79
BIGTREE_115_KV_TB2_REV_LBMP_A 345034	41.90 -0.81 0.00	36.91 -0.41 0.00	33.27 -0.71 0.00	29.83 -0.39 0.00	30.68 -0.69 0.00	33.49 -0.79 0.00	34.15 -0.48 0.00	36.15 -1.51 0.00	40.12 -0.90 0.00	42.09 -0.82 0.00	45.93 -0.70 0.00	51.31 0.26 0.00	56.10 0.39 0.00	65.23 1.28 0.00	79.35 1.17 0.00	89.23 3.02 0.00	108.13 3.76 0.00	138.03 2.84 0.00	155.23 3.49 0.00	127.57 3.11 0.00	98.55 1.36 0.00	82.30 -1.08 0.00	66.72 -0.67 0.00	57.69 -0.41 0.00
BINGHAMTON___COGEN 23790	43.05 0.34 0.00	37.70 0.37 0.00	34.25 0.27 0.00	30.53 0.30 0.00	31.66 0.28 0.00	34.59 0.31 0.00	35.19 0.55 0.00	38.07 0.41 0.00	41.64 0.62 0.00	43.59 0.69 0.00	47.38 0.75 0.00	52.18 1.12 0.00	56.93 1.23 0.00	65.68 1.73 0.00	80.29 2.11 0.00	89.15 2.93 0.00	108.55 4.17 0.00	140.33 5.14 0.00	157.50 5.77 0.00	130.68 4.85 -1.36	102.73 3.30 -2.23	85.22 1.83 0.00	68.41 1.01 0.00	58.97 0.87 0.00



BIXINCNT_115KV_LOAD 355685	41.85 -0.85 0.00	36.65 -0.67 0.00	32.89 -1.09 0.00	29.35 -0.88 0.00	30.18 -1.19 0.00	33.01 -1.27 0.00	33.74 -0.90 0.00	35.70 -1.96 0.00	39.75 -1.27 0.00	41.74 -1.16 0.00	45.60 -1.03 0.00	50.85 -0.20 0.00	55.65 -0.06 0.00	64.66 0.70 0.00	78.64 0.47 0.00	88.54 2.33 0.00	107.92 3.55 0.00	137.89 2.70 0.00	155.38 3.64 0.00	127.95 3.48 0.00	98.94 1.75 0.00	82.14 -1.25 0.00	66.25 -1.15 0.00	57.11 -0.99 0.00
BLACK RIVER___HYD 24047	44.33 1.62 0.00	38.71 1.38 0.00	35.07 1.09 0.00	31.13 0.91 0.00	32.41 1.03 0.00	35.68 1.41 0.00	36.20 1.56 0.00	39.20 1.54 0.00	42.58 1.56 0.00	44.27 1.37 0.00	47.93 1.30 0.00	52.33 1.28 0.00	56.99 1.28 0.00	64.78 0.83 0.00	79.27 1.09 0.00	88.11 1.89 0.00	105.87 2.29 0.80	193.69 4.86 -53.64	235.77 6.98 -77.05	172.69 8.21 -40.02	103.32 6.13 0.00	89.90 6.51 0.00	71.91 4.52 0.00	61.52 3.43 0.00
BLACKRVR_115KV_TB2 79977	44.33 1.62 0.00	38.71 1.38 0.00	35.07 1.09 0.00	31.13 0.91 0.00	32.41 1.04 0.00	35.65 1.37 0.00	36.19 1.56 0.00	39.20 1.54 0.00	42.58 1.56 0.00	44.27 1.37 0.00	47.89 1.26 0.00	52.33 1.28 0.00	56.93 1.23 0.00	64.78 0.83 0.00	79.27 1.09 0.00	87.94 1.72 0.00	105.76 2.19 0.80	193.69 4.87 -53.64	235.77 6.98 -77.05	172.70 8.21 -40.02	103.32 6.12 0.00	89.81 6.42 0.00	71.84 4.45 0.00	61.52 3.43 0.00
BLDWN_LI_69_KV_BK4 356085	45.65 2.95 0.00	39.83 2.50 0.00	36.32 2.34 0.00	32.43 2.21 0.00	33.60 2.23 0.00	36.71 2.43 0.00	37.34 2.70 0.00	41.16 3.50 0.00	45.04 4.02 0.00	46.85 3.95 0.00	50.17 3.54 0.00	55.09 4.03 0.00	60.16 4.46 0.00	68.56 4.60 0.00	83.74 5.55 -0.02	92.94 6.72 0.00	118.33 12.63 -1.33	151.33 16.09 -0.06	169.56 17.15 -0.68	140.69 13.19 -3.04	109.36 7.19 -4.98	88.16 4.75 -0.02	70.97 3.71 0.13	60.70 2.73 0.13
BLISS_WT_PWR 323608	41.77 -0.94 0.00	36.54 -0.79 0.00	32.72 -1.26 0.00	29.20 -1.03 0.00	30.09 -1.29 0.00	32.87 -1.41 0.00	33.60 -1.04 0.00	35.51 -2.14 0.00	39.58 -1.44 0.00	41.61 -1.29 0.00	45.84 -0.79 0.00	51.11 0.05 0.00	56.27 0.56 0.00	64.46 0.51 0.00	78.33 0.16 0.00	88.45 2.24 0.00	107.81 3.44 0.00	137.63 2.44 0.00	155.07 3.33 0.00	127.94 3.48 0.00	98.84 1.65 0.00	82.22 -1.17 0.00	66.05 -1.35 0.00	56.87 -1.22 0.00
BLUESTONE___WT_PWR 323821	44.80 2.09 0.00	39.19 1.87 0.00	35.54 1.56 0.00	31.64 1.42 0.00	32.91 1.54 0.00	36.16 1.88 0.00	36.89 2.25 0.00	39.95 2.30 0.00	43.61 2.59 0.00	45.47 2.57 0.00	49.29 2.66 0.00	54.32 3.27 0.00	59.44 3.73 0.00	68.68 4.73 0.00	84.28 6.10 0.00	94.06 7.84 0.00	114.49 10.12 0.00	149.66 14.47 0.00	168.58 16.84 0.00	141.13 14.18 -2.49	111.77 10.50 -4.07	91.22 7.84 0.00	72.66 5.26 0.00	62.33 4.24 0.00
BLUE_CIRC_CHEM_DRP 24182	42.24 -0.47 0.00	37.03 -0.30 0.00	33.94 -0.03 0.00	30.28 0.06 0.00	31.40 0.03 0.00	34.28 0.00 0.00	34.74 0.10 0.00	37.80 0.15 0.00	41.02 0.00 0.00	42.60 -0.09 0.22	46.44 -0.19 0.00	50.80 -0.26 0.00	55.49 -0.22 0.00	63.63 -0.32 0.00	75.06 -0.39 2.73	80.71 -0.52 4.98	93.04 0.52 11.85	135.77 1.08 0.50	147.03 1.37 6.07	137.53 0.62 -12.44	117.76 0.19 -20.37	83.30 -0.08 0.00	66.92 -0.47 0.00	57.69 -0.41 0.00
BOC_GAS_DRP 24189	42.88 0.17 0.00	37.55 0.22 0.00	34.39 0.41 0.00	30.71 0.48 0.00	31.81 0.44 0.00	34.76 0.48 0.00	35.26 0.62 0.00	38.44 0.79 0.00	41.80 0.78 0.00	43.69 0.77 -0.01	47.42 0.79 0.00	51.87 0.82 0.00	56.66 0.95 0.00	64.91 0.96 0.00	79.52 1.17 -0.17	87.83 1.29 -0.32	99.21 2.71 7.88	138.37 3.51 0.33	151.49 3.79 4.04	138.50 2.61 -11.43	117.56 1.65 -18.71	84.39 1.00 0.00	67.73 0.34 0.00	58.44 0.35 0.00
BOONVILLE_115KV_TB1 79983	43.73 1.02 0.00	38.18 0.86 0.00	34.69 0.71 0.00	30.83 0.60 0.00	32.06 0.69 0.00	35.20 0.93 0.00	35.68 1.04 0.00	38.78 1.13 0.00	42.21 1.19 0.00	43.97 1.07 0.00	47.70 1.07 0.00	52.18 1.12 0.00	56.93 1.23 0.00	65.36 1.41 0.00	80.13 1.95 0.00	88.37 2.16 0.00	107.87 2.92 -0.58	169.68 4.87 -29.62	200.36 6.07 -42.55	152.79 6.22 -22.10	101.47 4.28 0.00	87.22 3.84 0.00	69.96 2.56 0.00	60.07 1.98 0.00
BORALEX_4TH_BRANCH 23824	44.37 1.67 0.00	38.86 1.53 0.00	35.64 1.66 0.00	31.86 1.63 0.00	33.04 1.66 0.00	36.06 1.78 0.00	36.75 2.11 0.00	40.03 2.37 0.00	43.32 2.30 0.00	45.30 2.40 0.00	49.24 2.61 0.00	53.81 2.76 0.00	58.83 3.12 0.00	67.34 3.39 0.00	82.32 4.14 0.00	91.04 4.83 0.00	119.98 7.41 -8.20	145.00 9.46 -0.34	166.37 10.47 -4.16	154.62 8.09 -22.07	139.06 5.73 -36.14	87.89 4.50 0.00	70.49 3.10 0.00	60.59 2.50 0.00
BOWLINE___1 23526	44.24 1.54 0.00	38.74 1.42 0.00	35.41 1.43 0.00	31.59 1.36 0.00	32.75 1.38 0.00	35.82 1.54 0.00	36.57 1.94 0.00	39.99 2.34 0.00	43.61 2.59 0.00	45.73 2.83 0.00	49.47 2.84 0.00	54.12 3.06 0.00	59.05 3.34 0.00	67.60 3.64 0.00	82.79 4.61 0.00	91.74 5.52 0.00	114.89 9.29 -1.23	147.00 11.76 -0.05	164.65 12.29 -0.63	136.62 9.21 -2.95	108.15 6.13 -4.82	87.39 4.00 0.00	69.55 2.16 0.00	60.07 1.98 0.00
BOWLINE___2 23595	44.20 1.49 0.00	38.71 1.38 0.00	35.37 1.39 0.00	31.59 1.36 0.00	32.75 1.38 0.00	35.82 1.54 0.00	36.57 1.94 0.00	39.95 2.30 0.00	43.57 2.54 0.00	45.69 2.79 0.00	49.38 2.75 0.00	54.07 3.01 0.00	58.94 3.23 0.00	67.47 3.52 0.00	82.63 4.45 0.00	91.56 5.35 0.00	114.68 9.08 -1.23	146.73 11.48 -0.05	164.51 12.14 -0.63	136.49 9.08 -2.95	108.05 6.03 -4.82	87.22 3.84 0.00	69.49 2.09 0.00	59.95 1.86 0.00
BRADY___115KV_TB2 356060	43.48 0.77 0.00	37.85 0.52 0.00	34.32 0.34 0.00	30.34 0.12 0.00	31.47 0.09 0.00	34.38 0.10 0.00	34.46 -0.17 0.00	37.20 -0.45 0.00	40.24 -0.78 0.00	41.87 -1.03 0.00	45.51 -1.12 0.00	49.37 -1.68 0.00	54.15 -1.56 0.00	62.03 -1.92 0.00	75.91 -2.27 0.00	83.46 -2.76 0.00	92.45 -5.84 6.08	84.65 -6.76 43.78	81.86 -6.98 62.89	87.56 -4.23 32.67	95.15 -2.04 0.00	83.05 -0.33 0.00	67.93 0.54 0.00	58.67 0.58 0.00
BRANSCOMB___SOLAR 323811	44.42 1.71 0.00	38.86 1.53 0.00	35.51 1.53 0.00	31.64 1.42 0.00	32.85 1.47 0.00	35.92 1.65 0.00	36.51 1.87 0.00	39.69 2.03 0.00	42.91 1.89 0.00	44.74 1.84 0.00	48.45 1.82 0.00	53.04 1.99 0.00	58.05 2.34 0.00	66.58 2.62 0.00	81.46 3.28 0.00	90.18 3.97 0.00	117.29 6.26 -6.65	144.39 8.92 -0.28	165.91 10.77 -3.40	163.08 8.97 -29.65	152.64 6.90 -48.55	88.64 5.26 0.00	71.10 3.70 0.00	61.00 2.90 0.00
BRDGHMPT_69_KV_BK1 55812	46.17 3.46 0.00	40.20 2.87 0.00	36.59 2.62 0.00	32.76 2.54 0.00	33.91 2.54 0.00	36.99 2.71 0.00	37.34 2.70 0.00	41.38 3.73 0.00	45.33 4.31 0.00	46.89 3.99 0.00	50.12 3.50 0.01	55.19 4.44 0.31	60.28 4.85 0.27	69.00 5.05 0.00	84.11 6.18 0.24	94.40 8.19 0.00	121.58 15.86 -1.34	185.50 20.68 -29.62	195.34 22.15 -21.45	144.56 17.05 -3.05	111.11 8.94 -4.97	87.84 5.42 0.96	63.98 3.64 7.05	54.20 2.96 6.85



BRENTWOD_69_KV_W. BRTWOOD 56703	45.91 3.20 0.00	40.01 2.69 0.00	36.49 2.51 0.00	32.61 2.39 0.00	33.79 2.42 0.00	36.92 2.64 0.00	37.48 2.84 0.00	41.46 3.80 0.00	45.29 4.27 0.00	46.80 3.90 0.00	49.79 3.17 0.01	54.39 3.73 0.39	59.78 4.12 0.05	68.24 4.28 0.00	82.90 4.77 0.05	92.08 5.86 0.00	118.02 12.32 -1.33	151.06 15.82 -0.06	169.10 16.69 -0.68	140.20 12.70 -3.04	108.58 6.41 -4.97	85.75 3.59 1.22	63.72 3.17 6.84	53.64 2.21 6.66
BRISTLHL_115KV_TB1 79998	42.24 -0.47 0.00	36.91 -0.41 0.00	33.57 -0.41 0.00	29.89 -0.33 0.00	31.03 -0.35 0.00	33.90 -0.38 0.00	34.46 -0.17 0.00	37.43 -0.23 0.00	40.90 -0.12 0.00	42.81 -0.09 0.00	46.54 -0.09 0.00	51.05 0.00 0.00	55.71 0.00 0.00	64.14 0.19 0.00	78.41 0.23 0.00	86.82 0.60 0.00	105.42 1.04 0.00	143.44 1.49 -6.76	163.12 1.67 -9.71	131.12 1.62 -5.04	98.17 0.97 0.00	83.47 0.08 0.00	67.13 -0.27 0.00	57.75 -0.35 0.00
BROOKHAVEN___DRP 24191	45.40 2.69 0.00	39.56 2.24 0.00	36.02 2.04 0.00	32.28 2.06 0.00	33.41 2.04 0.00	36.44 2.16 0.00	36.96 2.32 0.00	40.89 3.24 0.00	44.71 3.69 0.00	46.16 3.26 0.00	49.14 2.52 0.01	53.92 3.17 0.30	58.84 3.40 0.27	67.40 3.45 0.00	82.08 4.14 0.24	91.82 5.60 0.00	117.93 12.21 -1.34	179.46 15.82 -28.45	189.21 16.84 -20.63	140.46 12.94 -3.05	108.49 6.32 -4.97	85.86 3.42 0.95	62.70 2.36 7.05	52.86 1.63 6.86
BROOKLYN_NAVY_YARD 23515	44.84 2.13 0.00	39.26 1.94 0.00	35.85 1.87 0.00	31.98 1.75 0.00	33.16 1.79 0.00	36.30 2.02 0.00	37.13 2.50 0.00	40.74 3.09 0.00	44.55 3.53 0.00	46.82 3.90 -0.01	50.51 3.87 -0.01	55.19 4.13 0.00	60.00 4.29 0.00	68.62 4.67 0.00	84.19 6.02 0.00	93.29 7.07 0.00	117.28 11.58 -1.33	149.72 14.47 -0.06	167.58 15.17 -0.68	138.94 11.44 -3.04	109.85 7.68 -4.98	88.39 5.00 0.00	70.29 2.90 0.00	60.77 2.67 0.00
BROOKLYN___ARMY_DRP 323595	45.31 2.61 0.00	39.64 2.31 0.00	36.15 2.17 0.00	32.25 2.03 0.00	33.44 2.07 0.00	36.57 2.30 0.00	37.37 2.74 0.00	40.93 3.28 0.00	44.75 3.73 0.00	47.08 4.16 -0.02	50.80 4.15 -0.02	55.50 4.44 0.00	60.33 4.62 0.00	68.30 4.35 0.00	83.80 5.63 0.00	92.77 6.55 0.00	116.67 10.96 -1.33	148.90 13.65 -0.06	166.83 14.41 -0.68	138.45 10.95 -3.04	109.36 7.19 -4.98	88.14 4.75 0.00	70.02 2.63 0.00	60.59 2.50 0.00
BROOME_2_LFGE 323671	43.05 0.34 0.00	37.70 0.37 0.00	34.25 0.27 0.00	30.53 0.30 0.00	31.65 0.28 0.00	34.59 0.31 0.00	35.22 0.59 0.00	38.07 0.41 0.00	41.64 0.62 0.00	43.58 0.68 0.00	47.47 0.84 0.00	52.28 1.22 0.00	57.10 1.39 0.00	65.68 1.73 0.00	80.29 2.11 0.00	89.23 3.02 0.00	108.55 4.18 0.00	140.33 5.14 0.00	157.50 5.76 0.00	130.81 4.98 -1.36	102.73 3.31 -2.23	85.31 1.92 0.00	68.47 1.07 0.00	59.02 0.93 0.00
BROOME___LFGE 323600	43.05 0.34 0.00	37.70 0.37 0.00	34.25 0.27 0.00	30.53 0.30 0.00	31.65 0.28 0.00	34.59 0.31 0.00	35.22 0.59 0.00	38.07 0.41 0.00	41.64 0.62 0.00	43.58 0.68 0.00	47.47 0.84 0.00	52.28 1.22 0.00	57.10 1.39 0.00	65.68 1.73 0.00	80.29 2.11 0.00	89.23 3.02 0.00	108.55 4.18 0.00	140.33 5.14 0.00	157.50 5.76 0.00	130.81 4.98 -1.36	102.73 3.31 -2.23	85.31 1.92 0.00	68.47 1.07 0.00	59.02 0.93 0.00
BROWNFLS_115KV_TB_3_5 80003	43.39 0.68 0.00	37.81 0.49 0.00	34.28 0.31 0.00	30.38 0.15 0.00	31.47 0.09 0.00	34.48 0.21 0.00	34.81 0.17 0.00	37.69 0.04 0.00	40.90 -0.12 0.00	42.56 -0.34 0.00	46.12 -0.51 0.00	49.98 -1.07 0.00	54.48 -1.23 0.00	62.10 -1.85 0.00	75.99 -2.19 0.00	83.80 -2.41 0.00	97.23 -3.97 3.18	271.70 -3.92 -140.43	230.00 -3.64 -81.91	228.24 -1.00 -104.78	96.51 -0.68 0.00	84.22 0.83 0.00	68.34 0.94 0.00	58.79 0.70 0.00
BROWNSV1_27_KV_LOAD 356125	45.27 2.56 0.00	39.64 2.31 0.00	36.15 2.17 0.00	32.28 2.06 0.00	33.47 2.10 0.00	36.61 2.33 0.00	37.48 2.84 0.00	41.12 3.46 0.00	44.96 3.94 0.00	47.25 4.33 -0.01	51.17 4.52 -0.01	55.85 4.80 0.00	60.89 5.18 0.00	69.52 5.56 0.00	85.29 7.11 0.00	94.41 8.19 0.00	118.65 12.94 -1.33	151.47 16.22 -0.06	169.56 17.15 -0.68	140.69 13.19 -3.04	111.01 8.84 -4.98	89.39 6.00 0.00	71.03 3.64 0.00	61.41 3.31 0.00
BURROWS___LYONSDAL 23803	43.69 0.98 0.00	38.15 0.82 0.00	34.62 0.65 0.00	30.77 0.54 0.00	32.00 0.63 0.00	35.13 0.86 0.00	35.61 0.97 0.00	38.67 1.02 0.00	42.09 1.07 0.00	43.80 0.90 0.00	47.52 0.89 0.00	51.92 0.87 0.00	56.60 0.89 0.00	64.91 0.96 0.00	79.50 1.33 0.00	87.77 1.55 0.00	106.46 2.09 0.00	178.19 3.92 -39.08	213.03 5.16 -56.14	159.59 5.97 -29.16	101.08 3.89 0.00	87.14 3.75 0.00	69.96 2.56 0.00	60.01 1.92 0.00
CAITHNESS_CC_1 323624	45.18 2.48 0.00	39.53 2.20 0.00	36.02 2.04 0.00	32.28 2.06 0.00	33.32 1.95 0.00	36.44 2.16 0.00	36.96 2.32 0.00	40.89 3.24 0.00	44.71 3.69 0.00	46.07 3.17 0.00	48.91 2.28 0.01	53.67 2.91 0.30	58.62 3.17 0.27	66.76 2.81 0.00	81.54 3.60 0.23	91.56 5.35 0.00	117.72 12.00 -1.34	177.88 15.41 -27.29	187.94 16.39 -19.81	139.72 12.20 -3.05	108.48 6.31 -4.97	86.46 4.00 0.93	62.63 2.29 7.06	52.74 1.51 6.86
CALPINE BETH_PAGE_GT4 24209	45.23 2.52 0.00	39.45 2.13 0.00	36.09 2.11 0.00	32.25 2.03 0.00	33.41 2.04 0.00	36.51 2.23 0.00	37.13 2.49 0.00	40.85 3.20 0.00	44.67 3.65 0.00	46.42 3.52 0.00	49.61 2.98 0.01	54.53 3.47 0.00	59.51 3.79 -0.02	67.85 3.90 0.00	83.04 4.85 -0.02	92.25 6.04 0.00	117.60 11.90 -1.33	150.39 15.14 -0.06	168.50 16.08 -0.68	139.70 12.20 -3.04	108.58 6.41 -4.98	87.23 3.84 0.00	66.08 2.70 4.01	56.08 1.86 3.88
CALPINE_BETH_PAGE_GT_4 323586	45.10 2.39 0.00	39.45 2.13 0.00	36.09 2.11 0.00	32.25 2.03 0.00	33.35 1.98 0.00	36.50 2.23 0.00	37.13 2.50 0.00	40.85 3.20 0.00	44.67 3.65 0.00	46.37 3.47 0.00	49.47 2.84 0.01	54.37 3.32 0.00	59.40 3.68 -0.02	67.53 3.58 0.00	82.65 4.45 -0.02	92.25 6.03 0.00	117.60 11.89 -1.33	150.39 15.14 -0.06	168.50 16.08 -0.68	139.45 11.95 -3.04	108.87 6.70 -4.98	87.89 4.50 0.00	66.15 2.76 4.01	56.08 1.86 3.88
CALPINE_BP_GT1 23823	45.10 2.39 0.00	39.45 2.13 0.00	36.09 2.11 0.00	32.25 2.03 0.00	33.35 1.98 0.00	36.50 2.23 0.00	37.13 2.50 0.00	40.85 3.20 0.00	44.67 3.65 0.00	46.37 3.47 0.00	49.47 2.84 0.01	54.37 3.32 0.00	59.40 3.68 -0.02	67.53 3.58 0.00	82.65 4.45 -0.02	92.25 6.03 0.00	117.60 11.89 -1.33	150.39 15.14 -0.06	168.50 16.08 -0.68	139.45 11.95 -3.04	108.87 6.70 -4.98	87.89 4.50 0.00	66.15 2.76 4.01	56.08 1.86 3.88
CALSPAN___DRP 24200	41.85 -0.85 0.00	36.91 -0.41 0.00	33.23 -0.75 0.00	29.80 -0.42 0.00	30.68 -0.69 0.00	33.45 -0.82 0.00	34.15 -0.48 0.00	36.11 -1.54 0.00	40.08 -0.94 0.00	42.00 -0.90 0.00	45.84 -0.79 0.00	51.21 0.15 0.00	55.93 0.22 0.00	65.04 1.09 0.00	79.11 0.94 0.00	88.97 2.76 0.00	107.71 3.34 0.00	137.49 2.30 0.00	154.62 2.88 0.00	127.08 2.61 0.00	98.26 1.07 0.00	82.05 -1.33 0.00	66.59 -0.81 0.00	57.57 -0.52 0.00



CALVERTON___SOLAR 323806	45.27 2.56 0.00	39.60 2.28 0.00	36.09 2.11 0.00	32.31 2.08 0.00	33.35 1.98 0.00	36.47 2.20 0.00	36.96 2.32 0.00	40.93 3.27 0.00	44.75 3.73 0.00	46.16 3.26 0.00	49.00 2.38 0.01	53.81 3.06 0.30	58.83 3.40 0.27	67.02 3.07 0.00	81.92 3.98 0.24	92.08 5.87 0.00	118.55 12.83 -1.35	180.58 16.49 -28.90	190.28 17.59 -20.95	140.84 13.32 -3.05	109.17 7.00 -4.97	86.93 4.50 0.95	62.90 2.56 7.05	53.04 1.80 6.86
CANDIGU_WT_PWR 323617	42.45 -0.25 0.00	37.21 -0.11 0.00	33.61 -0.37 0.00	30.01 -0.21 0.00	31.06 -0.31 0.00	33.90 -0.38 0.00	34.60 -0.03 0.00	36.83 -0.83 0.00	40.49 -0.53 0.00	42.34 -0.56 0.00	46.35 -0.28 0.00	51.21 0.15 0.00	56.10 0.39 0.00	64.53 0.57 0.00	78.49 0.31 0.00	88.03 1.81 0.00	106.87 2.50 0.00	137.49 2.30 0.00	155.07 3.33 0.00	129.05 3.73 -0.86	100.93 2.33 -1.41	83.81 0.42 0.00	67.46 0.07 0.00	58.04 -0.06 0.00
CARR STREET_E_SYR 24060	42.45 -0.25 0.00	37.14 -0.19 0.00	33.74 -0.24 0.00	30.07 -0.15 0.00	31.22 -0.16 0.00	34.11 -0.17 0.00	34.67 0.03 0.00	37.65 0.00 0.00	41.19 0.16 0.00	43.12 0.22 0.00	47.00 0.37 0.00	51.62 0.56 0.00	56.43 0.72 0.00	64.85 0.89 0.00	79.35 1.17 0.00	87.94 1.72 0.00	106.67 2.29 0.00	143.73 2.84 -5.69	163.11 3.19 -8.18	131.45 2.73 -4.25	99.04 1.84 0.00	84.14 0.75 0.00	67.67 0.27 0.00	58.15 0.06 0.00
CARTHAGE___PAPER 23857	43.99 1.28 0.00	38.37 1.04 0.00	34.76 0.78 0.00	30.86 0.64 0.00	32.09 0.72 0.00	35.30 1.03 0.00	35.78 1.14 0.00	38.75 1.09 0.00	42.05 1.03 0.00	43.71 0.81 0.00	47.33 0.70 0.00	51.56 0.51 0.00	56.15 0.44 0.00	62.93 -1.03 0.00	77.00 -1.17 0.00	85.44 -0.78 0.00	102.25 -1.15 0.98	198.32 0.14 -62.99	243.90 1.67 -90.49	175.44 3.98 -47.00	99.91 2.72 0.00	88.22 4.83 0.00	70.83 3.44 0.00	60.65 2.55 0.00
CASSADAGA_WT_PWR 323784	42.24 -0.47 0.00	36.92 -0.41 0.00	33.06 -0.92 0.00	29.56 -0.67 0.00	30.53 -0.85 0.00	33.32 -0.96 0.00	34.19 -0.45 0.00	36.30 -1.35 0.00	40.45 -0.57 0.00	42.60 -0.30 0.00	46.96 0.33 0.00	52.33 1.28 0.00	57.82 2.12 0.00	66.44 2.49 0.00	80.75 2.58 0.00	91.21 5.00 0.00	110.63 6.26 0.00	140.73 5.54 0.00	158.57 6.83 0.00	130.68 6.22 0.00	100.69 3.49 0.00	83.97 0.59 0.00	67.33 -0.07 0.00	57.63 -0.47 0.00
CE_DUNWOOD___DRP 24194	44.59 1.88 0.00	39.04 1.72 0.00	35.64 1.66 0.00	31.80 1.57 0.00	32.97 1.60 0.00	36.09 1.82 0.00	36.85 2.22 0.00	40.36 2.71 0.00	44.06 3.04 0.00	46.25 3.35 0.00	50.08 3.45 0.00	54.73 3.68 0.00	59.72 4.01 0.00	68.24 4.28 0.00	83.57 5.39 0.00	92.59 6.38 0.00	116.14 10.44 -1.33	148.49 13.25 -0.06	166.37 13.96 -0.68	138.08 10.58 -3.03	109.16 7.00 -4.97	87.97 4.59 0.00	69.96 2.56 0.00	60.48 2.38 0.00
CE_MILLWOOD___DRP 24193	44.46 1.75 0.00	38.93 1.60 0.00	35.54 1.56 0.00	31.74 1.51 0.00	32.91 1.54 0.00	35.99 1.71 0.00	36.75 2.11 0.00	40.21 2.56 0.00	43.89 2.87 0.00	46.08 3.17 0.00	49.89 3.26 0.00	54.53 3.47 0.00	59.50 3.79 0.00	68.04 4.09 0.00	83.33 5.16 0.00	92.25 6.04 0.00	115.61 9.92 -1.32	147.95 12.71 -0.06	165.76 13.35 -0.67	137.57 10.08 -3.03	108.85 6.71 -4.95	87.72 4.34 0.00	69.82 2.43 0.00	60.30 2.21 0.00
CE_NYC2_DRP 24202	45.10 2.39 0.00	39.49 2.16 0.00	36.02 2.04 0.00	32.16 1.93 0.00	33.35 1.98 0.00	36.47 2.19 0.00	37.30 2.67 0.00	40.89 3.24 0.00	44.67 3.65 0.00	46.91 3.99 -0.02	50.70 4.06 -0.02	55.44 4.39 0.00	60.28 4.57 0.00	68.17 4.22 0.00	83.57 5.39 0.00	92.59 6.38 0.00	116.35 10.65 -1.33	148.49 13.25 -0.06	166.22 13.81 -0.68	137.96 10.45 -3.04	108.97 6.80 -4.98	87.72 4.34 0.00	69.75 2.36 0.00	60.42 2.32 0.00
CE_NYC_DRP 24195	44.93 2.22 0.00	39.34 2.02 0.00	35.88 1.90 0.00	32.04 1.81 0.00	33.22 1.85 0.00	36.37 2.09 0.00	37.20 2.56 0.00	40.78 3.13 0.00	44.59 3.57 0.00	46.86 3.95 -0.01	50.70 4.06 -0.01	55.34 4.29 0.00	60.28 4.57 0.00	68.81 4.86 0.00	84.43 6.25 0.00	93.46 7.24 0.00	117.40 11.69 -1.33	149.85 14.60 -0.06	167.74 15.33 -0.68	139.08 11.57 -3.04	109.85 7.68 -4.98	88.47 5.09 0.00	70.36 2.97 0.00	60.82 2.73 0.00
CHAFFEE___LFGE 323603	41.94 -0.77 0.00	36.99 -0.34 0.00	33.30 -0.68 0.00	29.86 -0.36 0.00	30.81 -0.56 0.00	33.56 -0.72 0.00	34.29 -0.35 0.00	36.26 -1.39 0.00	40.20 -0.82 0.00	42.17 -0.73 0.00	46.49 -0.14 0.00	51.72 0.66 0.00	57.04 1.33 0.00	65.42 1.47 0.00	79.50 1.33 0.00	89.75 3.54 0.00	108.55 4.18 0.00	138.43 3.24 0.00	155.67 3.94 0.00	128.07 3.61 0.00	98.84 1.65 0.00	82.81 -0.58 0.00	66.99 -0.40 0.00	57.80 -0.29 0.00
CHATEAUG_35_KV_LOAD 355732	42.67 -0.04 0.00	37.03 -0.30 0.00	33.57 -0.41 0.00	29.68 -0.54 0.00	30.78 -0.60 0.00	33.56 -0.72 0.00	33.67 -0.97 0.00	36.41 -1.24 0.00	39.50 -1.52 0.00	41.10 -1.80 0.00	44.72 -1.91 0.00	48.60 -2.45 0.00	53.37 -2.34 0.00	60.88 -3.07 0.00	74.27 -3.91 0.00	81.47 -4.74 0.00	90.62 -7.10 6.65	101.07 -9.06 25.07	106.02 -9.71 36.01	98.54 -7.22 18.70	92.14 -5.05 0.00	79.97 -3.42 0.00	65.24 -2.16 0.00	56.29 -1.80 0.00
CHATEAUG_WT_PWR 323614	42.71 0.00 0.00	37.10 -0.22 0.00	33.61 -0.37 0.00	29.74 -0.48 0.00	30.84 -0.53 0.00	33.63 -0.65 0.00	33.74 -0.90 0.00	36.53 -1.13 0.00	39.67 -1.35 0.00	41.23 -1.67 0.00	44.81 -1.82 0.00	48.76 -2.30 0.00	53.20 -2.51 0.00	61.01 -2.94 0.00	74.50 -3.67 0.00	81.56 -4.66 0.00	90.79 -6.78 6.80	106.28 -8.79 20.12	113.42 -9.41 28.91	102.36 -7.09 15.01	92.14 -5.06 0.00	79.80 -3.58 0.00	65.10 -2.29 0.00	56.18 -1.92 0.00
CHAT_HIGH_FALL_HYD 323578	42.67 -0.04 0.00	37.03 -0.30 0.00	33.57 -0.41 0.00	29.68 -0.54 0.00	30.78 -0.60 0.00	33.56 -0.72 0.00	33.67 -0.97 0.00	36.41 -1.24 0.00	39.50 -1.52 0.00	41.10 -1.80 0.00	44.72 -1.91 0.00	48.60 -2.45 0.00	53.37 -2.34 0.00	60.88 -3.07 0.00	74.27 -3.91 0.00	81.47 -4.74 0.00	90.62 -7.10 6.65	101.07 -9.06 25.07	106.02 -9.71 36.01	98.54 -7.22 18.70	92.14 -5.05 0.00	79.97 -3.42 0.00	65.24 -2.16 0.00	56.29 -1.80 0.00
CHAUTAUQUA___LFGE 323629	42.15 -0.56 0.00	37.02 -0.30 0.00	33.26 -0.72 0.00	29.77 -0.45 0.00	30.71 -0.66 0.00	33.49 -0.79 0.00	34.29 -0.35 0.00	36.18 -1.47 0.00	40.20 -0.82 0.00	42.21 -0.69 0.00	46.54 -0.09 0.00	51.82 0.77 0.00	57.27 1.56 0.00	65.68 1.73 0.00	79.89 1.72 0.00	90.10 3.88 0.00	109.18 4.80 0.00	139.79 4.60 0.00	157.19 5.45 0.00	129.45 4.98 0.00	99.91 2.72 0.00	83.64 0.25 0.00	67.33 -0.07 0.00	57.98 -0.12 0.00
CHERRYST_13_KV_LD 356241	45.06 2.35 0.00	39.45 2.13 0.00	35.98 2.00 0.00	32.13 1.90 0.00	33.35 1.98 0.00	36.47 2.19 0.00	37.34 2.70 0.00	40.97 3.31 0.00	44.80 3.77 0.00	47.07 4.16 -0.01	50.98 4.34 -0.01	55.60 4.54 0.00	60.61 4.90 0.00	69.20 5.24 0.00	84.90 6.72 0.00	93.97 7.76 0.00	118.13 12.42 -1.33	150.66 15.41 -0.06	168.50 16.08 -0.68	139.70 12.20 -3.04	110.33 8.16 -4.98	88.81 5.42 0.00	70.63 3.23 0.00	61.06 2.96 0.00



CHESTROR_138KV_BK263 355645	44.03 1.32 0.00	38.52 1.19 0.00	35.17 1.19 0.00	31.40 1.18 0.00	32.53 1.16 0.00	35.61 1.34 0.00	36.30 1.66 0.00	39.65 2.00 0.00	43.20 2.17 0.00	45.30 2.40 0.00	49.10 2.47 0.00	53.71 2.65 0.00	58.66 2.95 0.00	67.15 3.20 0.00	82.24 4.07 0.00	91.04 4.83 0.00	113.61 8.14 -1.09	145.51 10.27 -0.05	163.37 11.08 -0.56	135.75 8.46 -2.82	107.35 5.54 -4.62	87.06 3.67 0.00	69.42 2.02 0.00	59.89 1.80 0.00
CH_MIDHUDSON___DRP 24192	44.33 1.62 0.00	38.78 1.46 0.00	35.44 1.46 0.00	31.64 1.42 0.00	32.78 1.41 0.00	35.89 1.61 0.00	36.61 1.97 0.00	40.03 2.37 0.00	43.56 2.54 0.00	45.73 2.83 0.00	49.57 2.94 0.00	54.17 3.11 0.00	59.27 3.57 0.00	67.85 3.90 0.00	83.10 4.92 0.00	91.90 5.69 0.00	114.95 9.39 -1.19	147.27 12.03 -0.05	165.54 13.20 -0.60	137.66 9.96 -3.24	109.11 6.61 -5.31	87.97 4.59 0.00	70.09 2.70 0.00	60.42 2.32 0.00
CH_MISC_IPPS 23765	44.50 1.79 0.00	38.93 1.60 0.00	35.58 1.60 0.00	31.73 1.51 0.00	32.88 1.51 0.00	36.02 1.75 0.00	36.78 2.15 0.00	40.18 2.52 0.00	43.77 2.75 0.00	45.90 3.00 0.00	49.71 3.08 0.00	54.42 3.37 0.00	59.50 3.79 0.00	68.30 4.35 0.00	83.64 5.47 0.00	92.59 6.38 0.00	115.87 10.44 -1.06	148.62 13.39 -0.04	166.99 14.71 -0.54	138.70 11.07 -3.17	109.96 7.59 -5.18	88.73 5.34 0.00	70.63 3.23 0.00	60.82 2.73 0.00
CH_RES_BVR_FALLS 23983	42.28 -0.43 0.00	36.84 -0.49 0.00	33.47 -0.51 0.00	29.71 -0.51 0.00	30.84 -0.53 0.00	33.69 -0.58 0.00	33.94 -0.69 0.00	36.90 -0.75 0.00	40.20 -0.82 0.00	42.04 -0.86 0.00	45.74 -0.89 0.00	50.03 -1.02 0.00	54.71 -1.00 0.00	62.80 -1.15 0.00	76.77 -1.40 0.00	83.97 -2.24 0.00	80.83 -3.34 20.20	124.42 -4.05 6.72	137.67 -4.41 9.66	116.09 -3.35 5.02	94.67 -2.53 0.00	81.63 -1.76 0.00	66.52 -0.88 0.00	57.34 -0.76 0.00
CH_RES_NIAGARA 23895	40.44 -2.26 0.00	35.83 -1.49 0.00	32.28 -1.70 0.00	28.98 -1.24 0.00	29.84 -1.54 0.00	32.46 -1.82 0.00	33.11 -1.52 0.00	35.02 -2.64 0.00	38.85 -2.17 0.00	40.67 -2.23 0.00	44.30 -2.33 0.00	49.52 -1.53 0.00	54.04 -1.67 0.00	62.67 -1.28 0.00	76.22 -1.95 0.00	85.53 -0.69 0.00	103.33 -1.04 0.00	131.40 -3.79 0.00	147.79 -3.95 0.00	121.23 -3.24 0.00	94.08 -3.11 0.00	78.63 -4.75 0.00	64.09 -3.30 0.00	55.94 -2.15 0.00
CH_RES_SYRACUSE 23985	42.75 0.04 0.00	37.36 0.04 0.00	33.94 -0.03 0.00	30.22 0.00 0.00	31.40 0.03 0.00	34.31 0.03 0.00	34.88 0.24 0.00	37.88 0.23 0.00	41.43 0.41 0.00	43.37 0.47 0.00	47.23 0.60 0.00	51.92 0.87 0.00	56.71 1.00 0.00	65.23 1.28 0.00	79.74 1.56 0.00	88.45 2.24 0.00	107.29 2.92 0.00	143.85 3.78 -4.89	163.16 4.40 -7.02	131.84 3.73 -3.64	99.72 2.52 0.00	84.80 1.42 0.00	68.14 0.74 0.00	58.56 0.46 0.00
CLINTON_WT_PWR 323605	42.71 0.00 0.00	37.10 -0.22 0.00	33.61 -0.37 0.00	29.74 -0.48 0.00	30.84 -0.53 0.00	33.63 -0.65 0.00	33.74 -0.90 0.00	36.53 -1.13 0.00	39.67 -1.35 0.00	41.23 -1.67 0.00	44.81 -1.82 0.00	48.76 -2.30 0.00	53.20 -2.51 0.00	61.01 -2.94 0.00	74.50 -3.67 0.00	81.56 -4.66 0.00	90.79 -6.78 6.80	106.28 -8.79 20.12	113.42 -9.41 28.91	102.36 -7.09 15.01	92.14 -5.06 0.00	79.80 -3.58 0.00	65.10 -2.29 0.00	56.18 -1.92 0.00
CLINTON___LFGE 323618	43.56 0.85 0.00	37.77 0.45 0.00	34.25 0.27 0.00	30.28 0.06 0.00	31.40 0.03 0.00	34.21 -0.07 0.00	34.40 -0.24 0.00	37.16 -0.49 0.00	40.36 -0.66 0.00	41.70 -1.20 0.00	45.47 -1.16 0.00	49.42 -1.64 0.00	53.65 -2.06 0.00	61.52 -2.43 0.00	75.05 -3.13 0.00	82.25 -3.96 0.00	91.35 -6.26 6.76	105.92 -7.84 21.42	112.61 -8.35 30.78	102.38 -6.10 15.99	92.82 -4.37 0.00	80.64 -2.75 0.00	65.58 -1.82 0.00	56.58 -1.51 0.00
COBBLENY_34_KV_TB1 80064	41.94 -0.77 0.00	36.99 -0.34 0.00	33.30 -0.68 0.00	29.89 -0.33 0.00	30.75 -0.63 0.00	33.52 -0.75 0.00	34.26 -0.38 0.00	36.26 -1.39 0.00	40.20 -0.82 0.00	42.17 -0.73 0.00	46.02 -0.61 0.00	51.41 0.36 0.00	56.21 0.50 0.00	65.36 1.41 0.00	79.50 1.33 0.00	89.49 3.28 0.00	108.44 4.07 0.00	138.43 3.24 0.00	155.68 3.95 0.00	127.82 3.36 0.00	98.85 1.65 0.00	82.47 -0.92 0.00	66.92 -0.47 0.00	57.80 -0.29 0.00
COFFEEN___115KV_TB3 355620	44.63 1.92 0.00	38.93 1.60 0.00	35.27 1.29 0.00	31.31 1.09 0.00	32.60 1.22 0.00	35.92 1.65 0.00	36.44 1.80 0.00	39.46 1.81 0.00	42.87 1.85 0.00	44.57 1.67 0.00	48.17 1.54 0.00	52.64 1.58 0.00	57.21 1.50 0.00	65.29 1.34 0.00	79.82 1.64 0.00	88.72 2.50 0.00	106.74 3.13 0.77	193.39 6.22 -51.98	235.21 8.80 -74.67	173.20 9.96 -38.78	104.68 7.48 0.00	90.89 7.50 0.00	72.58 5.19 0.00	62.04 3.95 0.00
COLDSPRG_115KV_BK1 355956	42.45 -0.26 0.00	37.25 -0.07 0.00	33.43 -0.54 0.00	29.95 -0.27 0.00	30.84 -0.53 0.00	33.73 -0.55 0.00	34.60 -0.03 0.00	36.86 -0.79 0.00	40.98 -0.04 0.00	43.11 0.21 0.00	47.14 0.51 0.00	52.33 1.28 0.00	57.49 1.78 0.00	66.96 3.01 0.00	81.46 3.28 0.00	91.73 5.52 0.00	111.47 7.10 0.00	141.41 6.22 0.00	159.02 7.28 0.00	130.81 6.35 0.00	100.98 3.79 0.00	84.14 0.75 0.00	67.87 0.47 0.00	58.38 0.29 0.00
COLONIE_LFGE___ 323577	43.90 1.19 0.00	38.41 1.08 0.00	35.20 1.22 0.00	31.40 1.18 0.00	32.56 1.19 0.00	35.58 1.30 0.00	36.16 1.52 0.00	39.39 1.73 0.00	42.70 1.68 0.00	44.62 1.72 0.00	48.40 1.77 0.00	52.99 1.94 0.00	57.94 2.23 0.00	66.44 2.49 0.00	81.22 3.05 0.00	89.75 3.54 0.00	119.49 5.63 -9.49	143.15 7.57 -0.40	165.22 8.64 -4.84	157.05 6.72 -25.87	144.42 4.86 -42.36	86.97 3.58 0.00	69.82 2.42 0.00	60.01 1.91 0.00
COOPERNY_115KV_TB1 80082	43.65 0.94 0.00	38.22 0.90 0.00	34.86 0.88 0.00	31.10 0.88 0.00	32.25 0.88 0.00	35.27 0.99 0.00	35.88 1.25 0.00	39.12 1.47 0.00	42.66 1.64 0.00	44.70 1.80 0.00	48.49 1.87 0.00	53.10 2.04 0.00	57.94 2.23 0.00	66.45 2.49 0.00	81.30 3.13 0.00	89.92 3.71 0.00	111.16 6.16 -0.63	143.19 7.98 -0.03	160.56 8.50 -0.33	133.27 6.47 -2.34	105.30 4.28 -3.83	86.22 2.84 0.00	68.94 1.55 0.00	59.49 1.39 0.00
COPENHAGEN_WT_PWR 323753	44.12 1.41 0.00	38.52 1.19 0.00	34.90 0.92 0.00	31.01 0.78 0.00	32.28 0.91 0.00	35.48 1.20 0.00	36.02 1.39 0.00	39.05 1.39 0.00	42.42 1.40 0.00	44.15 1.24 0.00	47.80 1.17 0.00	52.18 1.12 0.00	56.82 1.11 0.00	64.72 0.77 0.00	79.12 0.94 0.00	87.94 1.72 0.00	105.75 2.09 0.71	188.56 4.32 -49.04	228.56 6.37 -70.45	168.52 7.47 -36.59	102.73 5.54 0.00	89.22 5.84 0.00	71.44 4.04 0.00	61.11 3.02 0.00
CORNELL_____ 23752	43.60 0.90 0.00	38.15 0.82 0.00	34.59 0.61 0.00	30.80 0.57 0.00	32.00 0.63 0.00	35.00 0.72 0.00	35.64 1.00 0.00	38.60 0.94 0.00	42.17 1.15 0.00	44.02 1.12 0.00	47.80 1.17 0.00	52.64 1.58 0.00	57.44 1.73 0.00	66.32 2.37 0.00	81.15 2.97 0.00	90.01 3.79 0.00	109.59 5.22 0.00	142.49 7.30 0.00	160.69 8.95 0.00	133.27 7.84 -0.97	104.41 5.64 -1.58	87.14 3.75 0.00	69.82 2.43 0.00	60.01 1.92 0.00



CORONA V_69_KV_TB1 355595	45.65 2.95 0.00	39.86 2.54 0.00	36.32 2.34 0.00	32.46 2.24 0.00	33.63 2.26 0.00	36.75 2.47 0.00	37.37 2.74 0.00	41.19 3.54 0.00	45.04 4.02 0.00	46.93 4.03 0.00	50.36 3.73 0.00	55.24 4.19 0.00	60.39 4.68 0.00	69.00 5.05 0.00	84.55 6.33 -0.04	93.80 7.59 0.00	119.17 13.46 -1.33	152.28 17.03 -0.06	170.77 18.36 -0.68	141.69 14.19 -3.04	110.33 8.16 -4.98	88.86 5.42 -0.05	77.24 3.98 -5.87	66.50 2.73 -5.67
CORTLAND_115KV_TB3 80093	43.13 0.43 0.00	37.74 0.41 0.00	34.25 0.27 0.00	30.53 0.30 0.00	31.69 0.31 0.00	34.65 0.38 0.00	35.26 0.62 0.00	38.22 0.56 0.00	41.76 0.74 0.00	43.63 0.73 0.00	47.42 0.79 0.00	52.18 1.12 0.00	56.93 1.23 0.00	65.61 1.66 0.00	80.29 2.11 0.00	89.06 2.85 0.00	108.34 3.97 0.00	140.46 5.27 0.00	159.44 6.22 -1.48	130.60 5.35 -0.78	102.27 3.79 -1.28	85.64 2.25 0.00	68.74 1.35 0.00	59.14 1.05 0.00
COXSACKIE__GT 23611	43.95 1.24 0.00	38.33 1.01 0.00	35.17 1.19 0.00	31.37 1.15 0.00	32.50 1.13 0.00	35.61 1.34 0.00	36.23 1.59 0.00	39.31 1.65 0.00	42.42 1.40 0.00	44.21 1.59 0.27	47.56 0.93 0.00	52.07 1.02 0.00	57.27 1.56 0.00	65.94 1.98 0.00	77.83 3.13 3.47	83.58 3.70 6.34	98.39 6.78 12.76	144.80 10.14 0.54	158.11 12.89 6.52	144.74 8.47 -11.81	122.76 6.23 -19.34	88.56 5.17 0.00	70.90 3.50 0.00	60.82 2.73 0.00
CPV_VALLEY__CC1 323721	43.69 0.98 0.00	38.26 0.93 0.00	34.96 0.99 0.00	31.19 0.97 0.00	32.31 0.94 0.00	35.37 1.10 0.00	36.06 1.42 0.00	39.35 1.70 0.00	42.87 1.85 0.00	44.96 2.06 0.00	48.68 2.05 0.00	53.25 2.19 0.00	58.10 2.39 0.00	66.58 2.62 0.00	81.53 3.36 0.00	90.27 4.05 0.00	112.32 6.99 -0.96	144.01 8.78 -0.04	161.64 9.41 -0.49	134.05 6.97 -2.62	106.15 4.67 -4.29	86.30 2.92 0.00	68.88 1.48 0.00	59.43 1.34 0.00
CPV_VALLEY__CC2 323722	43.69 0.98 0.00	38.26 0.93 0.00	34.96 0.99 0.00	31.19 0.97 0.00	32.31 0.94 0.00	35.37 1.10 0.00	36.06 1.42 0.00	39.35 1.70 0.00	42.87 1.85 0.00	44.96 2.06 0.00	48.68 2.05 0.00	53.25 2.19 0.00	58.10 2.39 0.00	66.58 2.62 0.00	81.53 3.36 0.00	90.27 4.05 0.00	112.32 6.99 -0.96	144.01 8.78 -0.04	161.64 9.41 -0.49	134.05 6.97 -2.62	106.15 4.67 -4.29	86.30 2.92 0.00	68.88 1.48 0.00	59.43 1.34 0.00
CRESCENT__HYD 24018	43.90 1.19 0.00	38.41 1.08 0.00	35.20 1.22 0.00	31.40 1.18 0.00	32.56 1.19 0.00	35.58 1.30 0.00	36.16 1.52 0.00	39.39 1.73 0.00	42.70 1.68 0.00	44.62 1.72 0.00	48.40 1.77 0.00	52.99 1.94 0.00	57.94 2.23 0.00	66.44 2.49 0.00	81.22 3.05 0.00	89.75 3.54 0.00	119.49 5.63 -9.49	143.15 7.57 -0.40	165.22 8.64 -4.84	157.05 6.72 -25.87	144.42 4.86 -42.36	86.97 3.58 0.00	69.82 2.42 0.00	60.01 1.91 0.00
CRICKET__VALLEY_CC1 323756	43.78 1.07 0.00	38.37 1.04 0.00	35.10 1.12 0.00	31.40 1.18 0.00	32.50 1.13 0.00	35.55 1.27 0.00	36.23 1.59 0.00	39.61 1.96 0.00	43.07 2.05 0.00	45.13 2.23 0.00	48.96 2.33 0.00	53.45 2.40 0.00	58.33 2.62 0.00	66.76 2.81 0.00	81.70 3.52 0.00	90.35 4.14 0.00	113.40 7.20 -1.83	144.32 9.06 -0.08	162.39 9.72 -0.93	135.38 7.22 -3.70	108.01 4.76 -6.06	86.55 3.17 0.00	69.08 1.69 0.00	59.55 1.45 0.00
CRICKET__VALLEY_CC2 323757	43.78 1.07 0.00	38.37 1.04 0.00	35.10 1.12 0.00	31.40 1.18 0.00	32.50 1.13 0.00	35.55 1.27 0.00	36.23 1.59 0.00	39.61 1.96 0.00	43.07 2.05 0.00	45.13 2.23 0.00	48.96 2.33 0.00	53.45 2.40 0.00	58.33 2.62 0.00	66.76 2.81 0.00	81.70 3.52 0.00	90.35 4.14 0.00	113.40 7.20 -1.83	144.32 9.06 -0.08	162.39 9.72 -0.93	135.38 7.22 -3.70	108.01 4.76 -6.06	86.55 3.17 0.00	69.08 1.69 0.00	59.55 1.45 0.00
CRICKET__VALLEY_CC3 323758	43.78 1.07 0.00	38.37 1.04 0.00	35.10 1.12 0.00	31.40 1.18 0.00	32.50 1.13 0.00	35.55 1.27 0.00	36.23 1.59 0.00	39.61 1.96 0.00	43.07 2.05 0.00	45.13 2.23 0.00	48.96 2.33 0.00	53.45 2.40 0.00	58.33 2.62 0.00	66.76 2.81 0.00	81.70 3.52 0.00	90.35 4.14 0.00	113.40 7.20 -1.83	144.32 9.06 -0.08	162.39 9.72 -0.93	135.38 7.22 -3.70	108.01 4.76 -6.06	86.55 3.17 0.00	69.08 1.69 0.00	59.55 1.45 0.00
CRUCIBLE_METL_DRP 24180	42.75 0.04 0.00	37.36 0.04 0.00	33.94 -0.03 0.00	30.22 0.00 0.00	31.37 0.00 0.00	34.31 0.03 0.00	34.88 0.24 0.00	37.88 0.23 0.00	41.43 0.41 0.00	43.37 0.47 0.00	47.19 0.56 0.00	51.87 0.82 0.00	56.60 0.89 0.00	65.23 1.28 0.00	79.74 1.56 0.00	88.37 2.16 0.00	107.30 2.92 0.00	143.86 3.79 -4.89	163.15 4.40 -7.02	131.84 3.73 -3.64	99.72 2.53 0.00	84.72 1.33 0.00	68.07 0.67 0.00	58.62 0.52 0.00
DAHOWA__HYDRO 323763	44.54 1.84 0.00	39.01 1.68 0.00	35.61 1.63 0.00	31.73 1.51 0.00	32.94 1.57 0.00	36.02 1.75 0.00	36.61 1.97 0.00	39.84 2.18 0.00	43.07 2.05 0.00	44.87 1.97 0.00	48.59 1.96 0.00	53.20 2.14 0.00	58.22 2.51 0.00	66.76 2.81 0.00	81.77 3.60 0.00	90.52 4.31 0.00	117.37 6.78 -6.21	145.05 9.60 -0.26	166.89 11.98 -3.17	164.49 9.83 -30.20	154.23 7.59 -49.45	89.22 5.84 0.00	71.51 4.11 0.00	61.29 3.19 0.00
DANC__LFGE 323619	43.39 0.68 0.00	37.89 0.56 0.00	34.39 0.41 0.00	30.56 0.33 0.00	31.78 0.41 0.00	34.86 0.58 0.00	35.40 0.76 0.00	38.41 0.75 0.00	41.80 0.78 0.00	43.58 0.68 0.00	47.28 0.65 0.00	51.67 0.61 0.00	56.38 0.67 0.00	64.40 0.45 0.00	78.73 0.55 0.00	87.33 1.12 0.00	105.83 1.46 0.00	170.96 2.84 -32.93	203.14 4.10 -47.30	153.88 4.85 -24.57	100.69 3.49 0.00	86.97 3.58 0.00	69.75 2.36 0.00	59.78 1.69 0.00
DANSKAMMER__1 23586	44.50 1.79 0.00	38.93 1.60 0.00	35.58 1.60 0.00	31.73 1.51 0.00	32.88 1.51 0.00	36.02 1.75 0.00	36.78 2.15 0.00	40.18 2.52 0.00	43.77 2.75 0.00	45.90 3.00 0.00	49.71 3.08 0.00	54.42 3.37 0.00	59.50 3.79 0.00	68.30 4.35 0.00	83.64 5.47 0.00	92.59 6.38 0.00	115.87 10.44 -1.06	148.62 13.39 -0.04	166.99 14.71 -0.54	138.70 11.07 -3.17	109.96 7.59 -5.18	88.73 5.34 0.00	70.63 3.23 0.00	60.82 2.73 0.00
DANSKAMMER__2 23589	44.50 1.79 0.00	38.93 1.60 0.00	35.58 1.60 0.00	31.73 1.51 0.00	32.88 1.51 0.00	36.02 1.75 0.00	36.78 2.15 0.00	40.18 2.52 0.00	43.77 2.75 0.00	45.90 3.00 0.00	49.71 3.08 0.00	54.42 3.37 0.00	59.50 3.79 0.00	68.30 4.35 0.00	83.64 5.47 0.00	92.59 6.38 0.00	115.87 10.44 -1.06	148.62 13.39 -0.04	166.99 14.71 -0.54	138.70 11.07 -3.17	109.96 7.59 -5.18	88.73 5.34 0.00	70.63 3.23 0.00	60.82 2.73 0.00
DANSKAMMER__3 23590	44.50 1.79 0.00	38.93 1.60 0.00	35.58 1.60 0.00	31.73 1.51 0.00	32.88 1.51 0.00	36.02 1.75 0.00	36.78 2.15 0.00	40.18 2.52 0.00	43.77 2.75 0.00	45.90 3.00 0.00	49.71 3.08 0.00	54.42 3.37 0.00	59.50 3.79 0.00	68.30 4.35 0.00	83.64 5.47 0.00	92.59 6.38 0.00	115.87 10.44 -1.06	148.62 13.39 -0.04	166.99 14.71 -0.54	138.70 11.07 -3.17	109.96 7.59 -5.18	88.73 5.34 0.00	70.63 3.23 0.00	60.82 2.73 0.00



DANSKAMMER___4 23591	44.50 1.79 0.00	38.93 1.60 0.00	35.58 1.60 0.00	31.73 1.51 0.00	32.88 1.51 0.00	36.02 1.75 0.00	36.78 2.15 0.00	40.18 2.52 0.00	43.77 2.75 0.00	45.90 3.00 0.00	49.71 3.08 0.00	54.42 3.37 0.00	59.50 3.79 0.00	68.30 4.35 0.00	83.64 5.47 0.00	92.59 6.38 0.00	115.87 10.44 -1.06	148.62 13.39 -0.04	166.99 14.71 -0.54	138.70 11.07 -3.17	109.96 7.59 -5.18	88.73 5.34 0.00	70.63 3.23 0.00	60.82 2.73 0.00
DANSKAMMER___DIESEL 23592	44.54 1.84 0.00	38.93 1.60 0.00	35.58 1.60 0.00	31.74 1.51 0.00	32.91 1.54 0.00	36.03 1.75 0.00	36.78 2.15 0.00	40.18 2.52 0.00	43.77 2.75 0.00	45.90 3.00 0.00	49.75 3.12 0.00	54.47 3.42 0.00	59.61 3.90 0.00	68.30 4.35 0.00	83.65 5.47 0.00	92.59 6.38 0.00	115.78 10.33 -1.07	148.62 13.38 -0.04	167.00 14.72 -0.54	138.71 11.08 -3.17	109.86 7.48 -5.18	88.64 5.25 0.00	70.56 3.17 0.00	60.82 2.73 0.00
DARBY___SOLAR 323810	44.42 1.71 0.00	38.86 1.53 0.00	35.51 1.53 0.00	31.64 1.42 0.00	32.85 1.47 0.00	35.92 1.65 0.00	36.51 1.87 0.00	39.69 2.03 0.00	42.95 1.93 0.00	44.74 1.84 0.00	48.45 1.82 0.00	53.04 1.99 0.00	58.05 2.34 0.00	66.58 2.62 0.00	81.53 3.36 0.00	90.27 4.05 0.00	117.37 6.37 -6.63	144.53 9.06 -0.28	166.19 11.07 -3.39	163.22 9.08 -29.68	152.79 7.00 -48.59	88.73 5.34 0.00	71.17 3.77 0.00	61.00 2.90 0.00
DASHVILLE___HYD 23610	43.99 1.28 0.00	38.44 1.12 0.00	35.13 1.16 0.00	31.37 1.15 0.00	32.50 1.13 0.00	35.58 1.30 0.00	36.26 1.63 0.00	39.57 1.92 0.00	43.07 2.05 0.00	45.49 2.66 0.07	48.96 2.33 0.00	53.56 2.50 0.00	58.55 2.84 0.00	67.15 3.20 0.00	82.10 4.77 0.84	90.20 5.52 1.54	111.23 9.08 2.22	146.86 11.76 0.09	163.49 12.90 1.14	137.23 7.84 -4.92	110.31 5.05 -8.06	87.22 3.84 0.00	69.55 2.16 0.00	60.01 1.92 0.00
DELAWARE___LFGE 323621	43.78 1.07 0.00	38.30 0.97 0.00	34.93 0.95 0.00	31.13 0.91 0.00	32.31 0.94 0.00	35.37 1.10 0.00	35.92 1.28 0.00	39.05 1.39 0.00	42.50 1.48 0.00	44.49 1.59 0.00	48.26 1.63 0.00	52.89 1.84 0.00	57.77 2.06 0.00	66.45 2.49 0.00	81.54 3.36 0.00	90.09 3.88 0.00	110.01 5.64 0.00	142.62 7.44 0.00	160.08 8.35 0.00	135.53 6.72 -4.35	109.08 4.76 -7.12	86.97 3.59 0.00	69.62 2.22 0.00	59.95 1.86 0.00
DERFIELD_115KV_TB7 355931	42.71 0.00 0.00	37.36 0.04 0.00	34.05 0.07 0.00	30.31 0.09 0.00	31.47 0.09 0.00	34.38 0.10 0.00	34.81 0.17 0.00	37.88 0.23 0.00	41.27 0.25 0.00	43.16 0.26 0.00	46.91 0.28 0.00	51.36 0.31 0.00	56.04 0.33 0.00	64.34 0.38 0.00	78.72 0.55 0.00	86.82 0.60 0.00	107.25 1.04 -1.83	141.05 1.49 -4.37	159.69 1.67 -6.28	128.97 1.24 -3.26	97.97 0.78 0.00	83.97 0.58 0.00	67.60 0.20 0.00	58.27 0.17 0.00
DOGLEVILLE___HYD 23807	41.43 -1.28 0.00	36.17 -1.16 0.00	32.96 -1.02 0.00	29.32 -0.91 0.00	30.46 -0.91 0.00	33.35 -0.93 0.00	33.77 -0.87 0.00	36.79 -0.87 0.00	40.08 -0.94 0.00	41.96 -0.94 0.00	45.56 -1.07 0.00	49.88 -1.17 0.00	54.43 -1.28 0.00	62.48 -1.47 0.00	76.45 -1.72 0.00	84.40 -1.81 0.00	103.91 -2.30 -1.83	137.13 -2.43 -4.37	155.44 -2.58 -6.28	125.49 -2.24 -3.26	95.25 -1.94 0.00	81.80 -1.58 0.00	65.78 -1.62 0.00	56.58 -1.51 0.00
DUNKIRK___115KV_TB_200 55889	42.15 -0.56 0.00	37.03 -0.30 0.00	33.27 -0.71 0.00	29.80 -0.42 0.00	30.71 -0.66 0.00	33.49 -0.79 0.00	34.26 -0.38 0.00	36.19 -1.47 0.00	40.16 -0.86 0.00	42.17 -0.73 0.00	46.07 -0.56 0.00	51.46 0.41 0.00	56.38 0.67 0.00	65.55 1.60 0.00	79.74 1.56 0.00	89.75 3.53 0.00	108.86 4.49 0.00	139.52 4.33 0.00	156.89 5.16 0.00	129.07 4.61 0.00	99.72 2.53 0.00	83.14 -0.25 0.00	67.19 -0.20 0.00	57.98 -0.12 0.00
DUNKIRK___1 23563	42.15 -0.56 0.00	37.03 -0.30 0.00	33.27 -0.71 0.00	29.80 -0.42 0.00	30.71 -0.66 0.00	33.49 -0.79 0.00	34.26 -0.38 0.00	36.19 -1.47 0.00	40.16 -0.86 0.00	42.17 -0.73 0.00	46.07 -0.56 0.00	51.46 0.41 0.00	56.38 0.67 0.00	65.55 1.60 0.00	79.74 1.56 0.00	89.75 3.53 0.00	108.86 4.49 0.00	139.52 4.33 0.00	156.89 5.16 0.00	129.07 4.61 0.00	99.72 2.53 0.00	83.14 -0.25 0.00	67.19 -0.20 0.00	57.98 -0.12 0.00
DUNKIRK___2 23564	42.15 -0.56 0.00	37.03 -0.30 0.00	33.27 -0.71 0.00	29.80 -0.42 0.00	30.71 -0.66 0.00	33.49 -0.79 0.00	34.26 -0.38 0.00	36.19 -1.47 0.00	40.16 -0.86 0.00	42.17 -0.73 0.00	46.07 -0.56 0.00	51.46 0.41 0.00	56.38 0.67 0.00	65.55 1.60 0.00	79.74 1.56 0.00	89.75 3.53 0.00	108.86 4.49 0.00	139.52 4.33 0.00	156.89 5.16 0.00	129.07 4.61 0.00	99.72 2.53 0.00	83.14 -0.25 0.00	67.19 -0.20 0.00	57.98 -0.12 0.00
DUNKIRK___3 23565	41.98 -0.73 0.00	36.95 -0.37 0.00	33.23 -0.75 0.00	29.77 -0.45 0.00	30.68 -0.69 0.00	33.45 -0.82 0.00	34.19 -0.45 0.00	36.15 -1.51 0.00	40.08 -0.94 0.00	42.04 -0.86 0.00	45.88 -0.75 0.00	51.26 0.20 0.00	56.15 0.45 0.00	65.23 1.28 0.00	79.35 1.17 0.00	89.23 3.02 0.00	108.23 3.86 0.00	138.57 3.38 0.00	155.83 4.10 0.00	128.07 3.61 0.00	99.04 1.85 0.00	82.64 -0.75 0.00	66.86 -0.54 0.00	57.80 -0.29 0.00
DUNKIRK___4 23566	41.98 -0.73 0.00	36.95 -0.37 0.00	33.23 -0.75 0.00	29.77 -0.45 0.00	30.68 -0.69 0.00	33.45 -0.82 0.00	34.19 -0.45 0.00	36.15 -1.51 0.00	40.08 -0.94 0.00	42.04 -0.86 0.00	45.88 -0.75 0.00	51.26 0.20 0.00	56.15 0.45 0.00	65.23 1.28 0.00	79.35 1.17 0.00	89.23 3.02 0.00	108.23 3.86 0.00	138.57 3.38 0.00	155.83 4.10 0.00	128.07 3.61 0.00	99.04 1.85 0.00	82.64 -0.75 0.00	66.86 -0.54 0.00	57.80 -0.29 0.00
DUNWOODS_138_KV_38W08_REV_LBMP_I 345000	44.72 2.01 0.00	39.15 1.83 0.00	35.75 1.77 0.00	31.89 1.66 0.00	33.07 1.69 0.00	36.20 1.92 0.00	36.99 2.36 0.00	40.52 2.86 0.00	44.26 3.24 0.00	46.50 3.60 0.00	50.31 3.68 0.00	54.93 3.88 0.00	59.94 4.23 0.00	68.56 4.60 0.00	83.96 5.78 0.00	92.94 6.72 0.00	116.77 11.06 -1.33	149.17 13.92 -0.06	167.28 14.87 -0.68	138.70 11.20 -3.04	109.65 7.48 -4.98	88.22 4.84 0.00	70.16 2.76 0.00	60.65 2.56 0.00
E.WALDEN_115_KV_TR_1_REV_LBMP_G 345009	44.25 1.54 0.00	38.71 1.38 0.00	35.34 1.36 0.00	31.55 1.33 0.00	32.69 1.32 0.00	35.82 1.54 0.00	36.54 1.90 0.00	39.88 2.22 0.00	43.48 2.46 0.00	45.60 2.70 0.00	49.43 2.80 0.00	54.07 3.01 0.00	59.05 3.34 0.00	67.66 3.71 0.00	82.94 4.77 0.00	91.73 5.52 0.00	114.48 9.18 -0.92	146.99 11.76 -0.04	164.95 12.75 -0.47	137.23 9.71 -3.06	108.63 6.41 -5.02	87.81 4.42 0.00	69.96 2.56 0.00	60.30 2.21 0.00
E179THST_138_KV_TB4_REV_LBMP_J 345001	45.14 2.43 0.00	39.53 2.20 0.00	36.09 2.11 0.00	32.19 1.96 0.00	33.38 2.01 0.00	36.54 2.26 0.00	37.30 2.67 0.00	40.82 3.16 0.00	44.59 3.57 0.00	46.72 3.82 0.00	50.47 3.82 -0.02	55.55 4.49 0.00	60.40 4.68 -0.01	68.24 4.28 0.00	83.65 5.47 0.00	92.68 6.47 0.00	116.35 10.65 -1.33	148.76 13.52 -0.06	166.37 13.96 -0.68	138.08 10.58 -3.04	109.17 7.00 -4.98	87.89 4.50 0.00	69.89 2.49 0.00	60.48 2.38 -0.01



E179THST_13_KV_LOAD 356214	45.40 2.69 0.00	39.75 2.43 0.00	36.26 2.28 0.00	32.34 2.12 0.00	33.54 2.16 0.00	36.71 2.43 0.00	37.51 2.87 0.00	41.04 3.39 0.00	44.84 3.81 0.00	47.02 4.12 0.00	50.80 4.15 -0.02	55.90 4.85 0.00	60.79 5.07 -0.01	68.75 4.80 0.00	84.27 6.10 0.00	93.28 7.07 0.00	117.29 11.59 -1.33	149.85 14.60 -0.06	167.74 15.33 -0.68	139.20 11.70 -3.04	109.94 7.78 -4.98	88.47 5.09 0.00	70.36 2.97 0.00	60.89 2.79 -0.01
EAST HAMPTON___GT 23717	46.17 3.46 0.00	40.35 3.02 0.00	36.73 2.75 0.00	32.88 2.66 0.00	33.91 2.54 0.00	37.12 2.84 0.00	37.34 2.70 0.00	41.38 3.73 0.00	45.29 4.27 0.00	46.76 3.86 0.00	49.93 3.31 0.01	54.98 4.24 0.31	60.11 4.68 0.28	68.30 4.35 0.00	83.56 5.63 0.24	94.23 8.02 0.00	121.79 16.07 -1.35	185.68 20.81 -29.68	195.68 22.45 -21.49	144.44 16.92 -3.05	111.10 8.94 -4.97	88.43 6.01 0.96	63.78 3.44 7.05	54.32 3.08 6.85
EAST RIVER___6 23660	44.88 2.18 0.00	39.34 2.01 0.00	35.88 1.90 0.00	32.04 1.81 0.00	33.22 1.85 0.00	36.33 2.06 0.00	37.16 2.53 0.00	40.74 3.09 0.00	44.55 3.53 0.00	46.82 3.90 -0.01	50.60 3.96 -0.01	55.24 4.19 0.00	60.11 4.40 0.00	68.68 4.73 0.00	84.19 6.02 0.00	93.29 7.07 0.00	117.28 11.58 -1.33	149.57 14.32 -0.06	167.44 15.03 -0.68	138.94 11.44 -3.04	109.85 7.68 -4.98	88.47 5.09 0.00	70.36 2.96 0.00	60.77 2.67 0.00
EAST RIVER___7 23524	44.88 2.18 0.00	39.34 2.01 0.00	35.88 1.90 0.00	32.04 1.81 0.00	33.22 1.85 0.00	36.33 2.06 0.00	37.16 2.53 0.00	40.74 3.09 0.00	44.55 3.53 0.00	46.82 3.90 -0.01	50.60 3.96 -0.01	55.24 4.19 0.00	60.11 4.40 0.00	68.68 4.73 0.00	84.19 6.02 0.00	93.29 7.07 0.00	117.28 11.58 -1.33	149.57 14.32 -0.06	167.44 15.03 -0.68	138.94 11.44 -3.04	109.85 7.68 -4.98	88.47 5.09 0.00	70.36 2.96 0.00	60.77 2.67 0.00
EASTVIEW_138_KV_38W32_REV_LBMP_I 345002	44.59 1.88 0.00	39.04 1.72 0.00	35.64 1.66 0.00	31.80 1.57 0.00	32.97 1.60 0.00	36.09 1.82 0.00	36.85 2.22 0.00	40.36 2.71 0.00	44.06 3.04 0.00	46.25 3.35 0.00	50.08 3.45 0.00	54.73 3.68 0.00	59.72 4.01 0.00	68.24 4.28 0.00	83.57 5.39 0.00	92.59 6.38 0.00	116.14 10.44 -1.33	148.49 13.25 -0.06	166.37 13.96 -0.68	138.08 10.58 -3.03	109.16 7.00 -4.97	87.97 4.59 0.00	69.96 2.56 0.00	60.48 2.38 0.00
EAST_HAMPTON___DIESEL 23722	46.13 3.42 0.00	40.31 2.99 0.00	36.70 2.72 0.00	32.85 2.63 0.00	33.88 2.51 0.00	37.09 2.81 0.00	37.30 2.67 0.00	41.35 3.69 0.00	45.21 4.19 0.00	46.67 3.78 0.00	49.79 3.17 0.01	54.83 4.09 0.31	59.94 4.51 0.28	68.10 4.15 0.00	83.32 5.39 0.24	93.98 7.76 0.00	121.48 15.76 -1.35	185.28 20.42 -29.67	195.22 21.99 -21.49	144.07 16.56 -3.05	110.82 8.65 -4.97	88.17 5.75 0.96	63.58 3.23 7.05	54.20 2.96 6.85
EAST_POINT___SOLAR 323840	46.63 3.93 0.00	40.76 3.43 0.00	37.10 3.12 0.00	33.00 2.78 0.00	34.32 2.95 0.00	37.64 3.36 0.00	37.72 3.08 0.00	39.84 2.18 0.00	43.36 2.34 0.00	44.96 2.06 0.00	48.96 2.33 0.00	53.76 2.70 0.00	58.99 3.29 0.00	67.15 3.20 0.00	82.24 4.06 0.00	90.70 4.48 0.00	112.96 5.84 -2.75	144.36 9.06 -0.12	166.64 13.50 -1.40	169.68 15.05 -30.16	159.51 12.93 -49.39	94.22 10.84 0.00	75.34 7.95 0.00	64.43 6.33 0.00
EAST_PULASKI___ESR 323781	42.67 -0.04 0.00	37.29 -0.04 0.00	33.88 -0.10 0.00	30.16 -0.06 0.00	31.34 -0.03 0.00	34.31 0.03 0.00	34.85 0.21 0.00	37.80 0.15 0.00	41.27 0.25 0.00	43.12 0.22 0.00	46.86 0.23 0.00	51.16 0.10 0.00	55.88 0.17 0.00	64.02 0.06 0.00	78.33 0.16 0.00	86.74 0.52 0.00	105.11 0.74 0.00	153.66 1.35 -17.12	178.30 1.97 -24.60	139.60 2.36 -12.78	98.84 1.65 0.00	84.64 1.25 0.00	68.07 0.67 0.00	58.44 0.35 0.00
EAST_RIVER___1 323558	44.93 2.22 0.00	39.34 2.01 0.00	35.88 1.90 0.00	32.04 1.81 0.00	33.22 1.85 0.00	36.33 2.06 0.00	37.16 2.53 0.00	40.78 3.12 0.00	44.59 3.57 0.00	46.86 3.94 -0.01	50.65 4.01 -0.01	55.29 4.24 0.00	60.17 4.46 0.00	68.75 4.80 0.00	84.35 6.17 0.00	93.46 7.24 0.00	117.49 11.79 -1.33	149.85 14.60 -0.06	167.73 15.32 -0.68	139.08 11.58 -3.04	109.95 7.78 -4.98	88.56 5.17 0.00	70.36 2.96 0.00	60.82 2.73 0.00
EAST_RIVER___2 323559	44.88 2.18 0.00	39.34 2.01 0.00	35.88 1.90 0.00	32.04 1.81 0.00	33.22 1.85 0.00	36.33 2.06 0.00	37.16 2.53 0.00	40.74 3.09 0.00	44.55 3.53 0.00	46.82 3.90 -0.01	50.60 3.96 -0.01	55.24 4.19 0.00	60.11 4.40 0.00	68.68 4.73 0.00	84.19 6.02 0.00	93.29 7.07 0.00	117.28 11.58 -1.33	149.57 14.32 -0.06	167.44 15.03 -0.68	138.94 11.44 -3.04	109.85 7.68 -4.98	88.47 5.09 0.00	70.36 2.96 0.00	60.77 2.67 0.00
EAST___DELAWARE_HYD 23607	44.12 1.41 0.00	38.55 1.23 0.00	35.20 1.22 0.00	31.37 1.15 0.00	32.53 1.16 0.00	35.65 1.37 0.00	36.37 1.73 0.00	39.69 2.03 0.00	43.24 2.21 0.00	45.28 2.40 0.02	49.05 2.42 0.00	53.71 2.65 0.00	58.71 3.01 0.00	67.53 3.58 0.00	82.52 4.61 0.27	91.24 5.52 0.49	113.56 9.19 0.00	147.22 12.03 0.00	165.09 13.36 0.00	137.95 10.21 -3.28	109.66 7.09 -5.37	88.31 4.92 0.00	70.29 2.90 0.00	60.48 2.38 0.00
EIGHT_POINT___WT_PWR 323820	42.75 0.04 0.00	37.44 0.11 0.00	33.74 -0.24 0.00	30.13 -0.09 0.00	31.22 -0.16 0.00	34.07 -0.20 0.00	34.88 0.24 0.00	37.13 -0.53 0.00	40.82 -0.20 0.00	42.69 -0.21 0.00	46.82 0.19 0.00	51.67 0.61 0.00	56.65 0.95 0.00	65.10 1.15 0.00	79.19 1.01 0.00	88.97 2.76 0.00	108.02 3.65 0.00	139.11 3.92 0.00	157.19 5.45 0.00	131.11 5.85 -0.80	102.40 3.89 -1.31	84.97 1.58 0.00	68.21 0.81 0.00	58.56 0.46 0.00
ELBRIDGE_115KV_TB2 80188	42.54 -0.17 0.00	37.18 -0.15 0.00	33.77 -0.20 0.00	30.07 -0.15 0.00	31.22 -0.16 0.00	34.11 -0.17 0.00	34.67 0.03 0.00	37.65 0.00 0.00	41.14 0.12 0.00	43.07 0.17 0.00	46.86 0.23 0.00	51.51 0.46 0.00	56.21 0.50 0.00	64.72 0.77 0.00	79.11 0.94 0.00	87.68 1.47 0.00	106.46 2.09 0.00	142.26 2.70 -4.37	161.20 3.19 -6.28	130.46 2.74 -3.26	99.04 1.85 0.00	84.14 0.75 0.00	67.66 0.27 0.00	58.27 0.17 0.00
ELEC_TRO_TEK 24086	45.27 2.56 0.00	39.49 2.16 0.00	36.05 2.07 0.00	32.19 1.96 0.00	33.35 1.98 0.00	36.47 2.19 0.00	37.10 2.46 0.00	40.89 3.24 0.00	44.71 3.69 0.00	46.55 3.65 0.00	49.89 3.26 0.00	54.73 3.68 0.00	59.72 4.01 0.00	68.17 4.22 0.00	83.51 5.32 -0.02	92.68 6.47 0.00	117.71 12.00 -1.33	150.39 15.14 -0.06	168.50 16.08 -0.68	139.82 12.32 -3.04	108.97 6.80 -4.98	87.66 4.25 -0.02	71.74 3.10 -1.24	61.56 2.27 -1.20
ELLENBURG_WT_PWR 323604	42.71 0.00 0.00	37.10 -0.22 0.00	33.61 -0.37 0.00	29.74 -0.48 0.00	30.84 -0.53 0.00	33.63 -0.65 0.00	33.74 -0.90 0.00	36.53 -1.13 0.00	39.67 -1.35 0.00	41.23 -1.67 0.00	44.81 -1.82 0.00	48.76 -2.30 0.00	53.20 -2.51 0.00	61.01 -2.94 0.00	74.50 -3.67 0.00	81.56 -4.66 0.00	90.79 -6.78 6.80	106.28 -8.79 20.12	113.42 -9.41 28.91	102.36 -7.09 15.01	92.14 -5.06 0.00	79.80 -3.58 0.00	65.10 -2.29 0.00	56.18 -1.92 0.00



ELM_ST_23_KV_LD_REV_LBMP_A 345012	41.68 -1.02 0.00	36.77 -0.56 0.00	33.13 -0.85 0.00	29.71 -0.51 0.00	30.59 -0.78 0.00	33.35 -0.93 0.00	34.01 -0.62 0.00	36.00 -1.66 0.00	39.87 -1.15 0.00	41.83 -1.07 0.00	45.60 -1.03 0.00	50.95 -0.10 0.00	55.71 0.00 0.00	64.72 0.77 0.00	78.64 0.47 0.00	88.46 2.24 0.00	107.09 2.71 0.00	136.54 1.35 0.00	153.56 1.82 0.00	126.08 1.62 0.00	97.58 0.39 0.00	81.55 -1.83 0.00	66.18 -1.21 0.00	57.34 -0.76 0.00
EMPIRE_CC_1 323656	43.05 0.34 0.00	37.77 0.45 0.00	34.76 0.78 0.00	31.04 0.82 0.00	32.16 0.78 0.00	35.10 0.82 0.00	35.67 1.04 0.00	38.78 1.13 0.00	42.05 1.03 0.00	43.97 1.07 0.00	47.75 1.12 0.00	52.18 1.12 0.00	56.99 1.28 0.00	65.36 1.41 0.00	79.74 1.56 0.00	88.03 1.81 0.00	115.50 3.55 -7.58	140.11 4.60 -0.32	160.61 5.00 -3.87	136.47 3.61 -8.39	113.37 2.43 -13.75	84.97 1.58 0.00	68.27 0.87 0.00	58.73 0.64 0.00
EMPIRE_CC_2 323658	43.05 0.34 0.00	37.77 0.45 0.00	34.76 0.78 0.00	31.04 0.82 0.00	32.16 0.78 0.00	35.10 0.82 0.00	35.67 1.04 0.00	38.78 1.13 0.00	42.05 1.03 0.00	43.97 1.07 0.00	47.75 1.12 0.00	52.18 1.12 0.00	56.99 1.28 0.00	65.36 1.41 0.00	79.74 1.56 0.00	88.03 1.81 0.00	115.50 3.55 -7.58	140.11 4.60 -0.32	160.61 5.00 -3.87	136.47 3.61 -8.39	113.37 2.43 -13.75	84.97 1.58 0.00	68.27 0.87 0.00	58.73 0.64 0.00
ENORWICH_115KV_TB1 80156	45.23 2.52 0.00	39.56 2.24 0.00	35.81 1.83 0.00	31.86 1.63 0.00	33.19 1.82 0.00	36.54 2.26 0.00	37.30 2.67 0.00	40.36 2.71 0.00	44.02 2.99 0.00	45.77 2.87 0.00	49.52 2.89 0.00	54.63 3.57 0.00	59.66 3.96 0.00	69.39 5.44 0.00	85.21 7.04 0.00	95.18 8.97 0.00	115.85 11.48 0.00	152.22 17.03 0.00	172.22 20.48 0.00	144.15 17.67 -2.02	113.72 13.22 -3.30	93.31 9.92 0.00	74.13 6.74 0.00	63.44 5.34 0.00
ERIE_ST__34_KV_TB1-2 80199	41.94 -0.77 0.00	36.95 -0.37 0.00	33.27 -0.71 0.00	29.83 -0.39 0.00	30.71 -0.66 0.00	33.49 -0.79 0.00	34.22 -0.42 0.00	36.22 -1.43 0.00	40.16 -0.86 0.00	42.17 -0.73 0.00	46.07 -0.56 0.00	51.46 0.41 0.00	56.38 0.67 0.00	65.55 1.60 0.00	79.82 1.64 0.00	89.84 3.62 0.00	108.86 4.49 0.00	139.11 3.92 0.00	156.29 4.55 0.00	128.32 3.86 0.00	99.04 1.85 0.00	82.64 -0.75 0.00	66.92 -0.47 0.00	57.80 -0.29 0.00
ERIE_WT_PWR 323693	41.85 -0.85 0.00	36.92 -0.41 0.00	33.26 -0.72 0.00	29.83 -0.39 0.00	30.75 -0.63 0.00	33.49 -0.79 0.00	34.19 -0.45 0.00	36.15 -1.51 0.00	40.08 -0.94 0.00	42.00 -0.90 0.00	46.25 -0.37 0.00	51.46 0.41 0.00	56.76 1.06 0.00	65.04 1.09 0.00	79.12 0.94 0.00	89.15 2.93 0.00	107.81 3.44 0.00	137.63 2.44 0.00	154.77 3.03 0.00	127.20 2.73 0.00	98.36 1.17 0.00	82.47 -0.92 0.00	66.65 -0.74 0.00	57.63 -0.47 0.00
ESPRGFLD_115KV_TB1 80157	45.83 3.12 0.00	40.01 2.69 0.00	36.39 2.41 0.00	32.40 2.18 0.00	33.66 2.29 0.00	36.95 2.67 0.00	37.44 2.81 0.00	40.48 2.82 0.00	43.20 2.17 0.00	45.22 2.32 0.00	49.05 2.42 0.00	53.81 2.76 0.00	58.77 3.06 0.00	67.79 3.84 0.00	84.51 6.33 0.00	93.63 7.41 0.00	113.66 9.29 0.00	148.17 12.98 0.00	168.68 15.93 -1.01	160.04 13.94 -21.64	143.31 10.69 -35.43	92.06 8.67 0.00	73.60 6.20 0.00	63.15 5.05 0.00
ETNA_115_KV_TB1_REV_LBMP_C 345029	43.52 0.81 0.00	38.07 0.75 0.00	34.56 0.58 0.00	30.77 0.54 0.00	31.94 0.56 0.00	34.93 0.65 0.00	35.61 0.97 0.00	38.56 0.90 0.00	42.09 1.07 0.00	43.93 1.03 0.00	47.70 1.07 0.00	52.53 1.48 0.00	57.32 1.62 0.00	66.19 2.24 0.00	80.99 2.81 0.00	89.84 3.62 0.00	109.38 5.01 0.00	142.22 7.03 0.00	160.23 8.50 0.00	132.90 7.47 -0.97	104.13 5.35 -1.59	86.89 3.50 0.00	69.62 2.22 0.00	59.89 1.80 0.00
ETNA____115KV_TB2 80207	43.52 0.81 0.00	38.07 0.75 0.00	34.56 0.58 0.00	30.77 0.54 0.00	31.94 0.56 0.00	34.93 0.65 0.00	35.61 0.97 0.00	38.56 0.90 0.00	42.09 1.07 0.00	43.93 1.03 0.00	47.70 1.07 0.00	52.53 1.48 0.00	57.32 1.62 0.00	66.19 2.24 0.00	80.99 2.81 0.00	89.84 3.62 0.00	109.38 5.01 0.00	142.22 7.03 0.00	160.23 8.50 0.00	132.90 7.47 -0.97	104.13 5.35 -1.59	86.89 3.50 0.00	69.62 2.22 0.00	59.89 1.80 0.00
EUCLID____115KV_TB2 356179	42.24 -0.47 0.00	36.91 -0.41 0.00	33.57 -0.41 0.00	29.92 -0.30 0.00	31.06 -0.31 0.00	33.93 -0.34 0.00	34.46 -0.17 0.00	37.43 -0.23 0.00	40.94 -0.08 0.00	42.86 -0.04 0.00	46.63 0.00 0.00	51.21 0.15 0.00	55.88 0.17 0.00	64.34 0.38 0.00	78.64 0.47 0.00	87.08 0.86 0.00	105.73 1.36 0.00	142.83 1.76 -5.88	162.16 1.97 -8.45	130.47 1.62 -4.39	98.17 0.97 0.00	83.47 0.08 0.00	67.19 -0.20 0.00	57.80 -0.29 0.00
E_CANADA_CAP_HY 24051	46.63 3.93 0.00	40.76 3.43 0.00	37.14 3.16 0.00	33.04 2.81 0.00	34.35 2.98 0.00	37.64 3.36 0.00	38.07 3.43 0.00	40.89 3.24 0.00	44.71 3.69 0.00	46.42 3.52 0.00	50.45 3.82 0.00	55.39 4.34 0.00	60.72 5.02 0.00	69.38 5.43 0.00	84.66 6.48 0.00	93.71 7.50 0.00	116.11 9.19 -2.55	148.41 13.11 -0.11	169.88 16.84 -1.30	168.06 15.56 -28.04	155.45 12.35 -45.91	93.98 10.59 0.00	75.21 7.81 0.00	64.37 6.28 0.00
E_CANADA_MHWK_HY 24050	41.43 -1.28 0.00	36.17 -1.16 0.00	32.96 -1.02 0.00	29.32 -0.91 0.00	30.46 -0.91 0.00	33.35 -0.92 0.00	33.77 -0.86 0.00	36.79 -0.86 0.00	40.08 -0.94 0.00	41.96 -0.94 0.00	45.56 -1.07 0.00	49.88 -1.17 0.00	54.37 -1.34 0.00	62.48 -1.47 0.00	76.45 -1.72 0.00	84.40 -1.81 0.00	103.91 -2.30 -1.83	137.13 -2.43 -4.37	155.44 -2.58 -6.28	125.49 -2.24 -3.26	95.34 -1.85 0.00	81.89 -1.50 0.00	65.78 -1.62 0.00	56.58 -1.51 0.00
E_FISHKILL___LBMP 23776	44.07 1.37 0.00	38.59 1.27 0.00	35.27 1.29 0.00	31.49 1.27 0.00	32.66 1.29 0.00	35.72 1.44 0.00	36.44 1.80 0.00	39.84 2.18 0.00	43.40 2.38 0.00	45.52 2.62 0.00	49.33 2.70 0.00	53.86 2.81 0.00	58.83 3.12 0.00	67.28 3.33 0.00	82.32 4.14 0.00	91.04 4.83 0.00	114.00 8.25 -1.38	145.66 10.41 -0.06	163.51 11.08 -0.70	135.91 8.34 -3.11	107.72 5.44 -5.09	86.97 3.59 0.00	69.35 1.95 0.00	59.89 1.80 0.00
FALCON___SEABRD_CC1 323796	43.56 0.85 0.00	37.77 0.45 0.00	34.25 0.27 0.00	30.28 0.06 0.00	31.40 0.03 0.00	34.21 -0.07 0.00	34.40 -0.24 0.00	37.16 -0.49 0.00	40.41 -0.61 0.00	41.57 -1.33 0.00	45.28 -1.35 0.00	49.17 -1.89 0.00	53.20 -2.51 0.00	61.01 -2.94 0.00	74.42 -3.75 0.00	81.47 -4.74 0.00	90.60 -6.99 6.78	105.52 -8.93 20.74	112.39 -9.55 29.79	101.77 -7.22 15.47	91.94 -5.25 0.00	79.80 -3.58 0.00	64.97 -2.42 0.00	56.06 -2.03 0.00
FALCON___SEABRD_CC2 323797	43.56 0.85 0.00	37.77 0.45 0.00	34.25 0.27 0.00	30.28 0.06 0.00	31.40 0.03 0.00	34.21 -0.07 0.00	34.40 -0.24 0.00	37.16 -0.49 0.00	40.41 -0.61 0.00	41.57 -1.33 0.00	45.28 -1.35 0.00	49.17 -1.89 0.00	53.20 -2.51 0.00	61.01 -2.94 0.00	74.42 -3.75 0.00	81.47 -4.74 0.00	90.60 -6.99 6.78	105.52 -8.93 20.74	112.39 -9.55 29.79	101.77 -7.22 15.47	91.94 -5.25 0.00	79.80 -3.58 0.00	64.97 -2.42 0.00	56.06 -2.03 0.00



FAR ROCKAWAY___4 23548	46.08 3.37 0.00	40.20 2.87 0.00	36.63 2.65 0.00	32.73 2.51 0.00	33.88 2.51 0.00	37.05 2.78 0.00	37.65 3.01 0.00	41.53 3.88 0.00	45.45 4.43 0.00	47.36 4.46 0.00	50.87 4.24 0.00	55.90 4.85 0.00	61.11 5.40 0.00	69.84 5.88 0.00	85.65 7.43 -0.05	95.01 8.79 0.00	120.84 15.13 -1.33	154.44 19.20 -0.06	173.20 20.79 -0.68	143.56 16.06 -3.04	111.70 9.52 -4.98	89.95 6.50 -0.06	78.53 4.85 -6.28	67.71 3.54 -6.07
FARRAGUT_138_KV_32071_REV_LBMP_J 345003	44.93 2.22 0.00	39.38 2.05 0.00	35.92 1.94 0.00	32.04 1.81 0.00	33.26 1.88 0.00	36.37 2.09 0.00	37.20 2.56 0.00	40.82 3.16 0.00	44.63 3.61 0.00	46.90 3.99 -0.01	50.75 4.10 -0.01	55.34 4.29 0.00	60.33 4.62 0.00	68.88 4.92 0.00	84.43 6.25 0.00	93.46 7.24 0.00	117.50 11.79 -1.33	149.98 14.74 -0.06	167.89 15.48 -0.68	139.20 11.70 -3.04	109.85 7.68 -4.98	88.47 5.09 0.00	70.36 2.97 0.00	60.82 2.73 0.00
FARRAGUT_138_KV_38B01_REV_LBMP_J 345016	44.97 2.26 0.00	39.38 2.05 0.00	35.92 1.94 0.00	32.04 1.81 0.00	33.26 1.88 0.00	36.37 2.09 0.00	37.20 2.56 0.00	40.82 3.16 0.00	44.59 3.57 0.00	46.86 3.95 -0.01	50.75 4.10 -0.01	55.34 4.29 0.00	60.33 4.62 0.00	68.88 4.92 0.00	84.43 6.25 0.00	93.46 7.24 0.00	117.50 11.79 -1.33	149.98 14.74 -0.06	167.89 15.48 -0.68	139.20 11.70 -3.04	109.94 7.78 -4.98	88.47 5.09 0.00	70.36 2.97 0.00	60.82 2.73 0.00
FARRAGUT_138_KV_38M12_REV_LBMP_J 345017	44.93 2.22 0.00	39.34 2.02 0.00	35.88 1.90 0.00	32.04 1.81 0.00	33.22 1.85 0.00	36.33 2.06 0.00	37.20 2.56 0.00	40.78 3.13 0.00	44.59 3.57 0.00	46.86 3.95 -0.01	50.70 4.06 -0.01	55.29 4.24 0.00	60.28 4.57 0.00	68.81 4.86 0.00	84.35 6.18 0.00	93.37 7.16 0.00	117.40 11.69 -1.33	149.71 14.47 -0.06	167.59 15.17 -0.68	139.08 11.57 -3.04	109.75 7.58 -4.98	88.39 5.00 0.00	70.29 2.90 0.00	60.77 2.67 0.00
FARRAGUT___LBMP 323566	44.89 2.18 0.00	39.30 1.98 0.00	35.85 1.87 0.00	32.01 1.78 0.00	33.19 1.82 0.00	36.30 2.02 0.00	37.16 2.53 0.00	40.74 3.09 0.00	44.55 3.53 0.00	46.77 3.86 -0.01	50.65 4.01 -0.01	55.24 4.19 0.00	60.22 4.51 0.00	68.68 4.73 0.00	84.19 6.02 0.00	93.28 7.07 0.00	117.19 11.48 -1.33	149.58 14.33 -0.06	167.43 15.02 -0.68	138.83 11.33 -3.04	109.65 7.48 -4.98	88.31 4.92 0.00	70.23 2.83 0.00	60.71 2.61 0.00
FENNER___WINDPWR 24204	44.07 1.37 0.00	38.48 1.16 0.00	34.96 0.99 0.00	31.07 0.85 0.00	32.35 0.97 0.00	35.48 1.20 0.00	36.02 1.39 0.00	39.12 1.47 0.00	42.66 1.64 0.00	44.49 1.59 0.00	48.36 1.73 0.00	53.04 1.99 0.00	57.94 2.23 0.00	66.76 2.81 0.00	81.77 3.60 0.00	90.78 4.57 0.00	109.91 4.70 -0.83	154.54 6.89 -12.45	177.82 8.19 -17.89	141.10 7.34 -9.29	102.54 5.34 0.00	87.55 4.17 0.00	70.09 2.70 0.00	60.13 2.03 0.00
FIBERTEK___ENERGY 23856	42.75 0.04 0.00	37.36 0.04 0.00	33.94 -0.03 0.00	30.22 0.00 0.00	31.37 0.00 0.00	34.31 0.03 0.00	34.88 0.24 0.00	37.88 0.23 0.00	41.43 0.41 0.00	43.37 0.47 0.00	47.19 0.56 0.00	51.87 0.82 0.00	56.60 0.89 0.00	65.23 1.28 0.00	79.74 1.56 0.00	88.37 2.16 0.00	107.30 2.92 0.00	143.86 3.79 -4.89	163.15 4.40 -7.02	131.84 3.73 -3.64	99.72 2.53 0.00	84.72 1.33 0.00	68.07 0.67 0.00	58.62 0.52 0.00
FITZPATRICK___ 23598	41.56 -1.15 0.00	36.32 -1.01 0.00	33.06 -0.92 0.00	29.44 -0.79 0.00	30.56 -0.82 0.00	33.39 -0.89 0.00	33.87 -0.76 0.00	36.75 -0.90 0.00	40.16 -0.86 0.00	42.00 -0.90 0.00	45.74 -0.89 0.00	50.19 -0.87 0.00	54.81 -0.89 0.00	62.93 -1.03 0.00	76.92 -1.25 0.00	85.09 -1.12 0.00	103.13 -1.25 0.00	133.43 -1.76 0.00	149.92 -1.81 0.00	123.10 -1.37 0.00	95.93 -1.27 0.00	81.80 -1.59 0.00	65.91 -1.48 0.00	56.76 -1.33 0.00
FORGEBRK_115_KV_TR1_2_REV_LBMP_G 345010	44.59 1.88 0.00	39.00 1.68 0.00	35.61 1.63 0.00	31.80 1.57 0.00	32.94 1.57 0.00	36.09 1.82 0.00	36.85 2.22 0.00	40.25 2.60 0.00	43.85 2.83 0.00	45.99 3.09 0.00	49.85 3.22 0.00	54.58 3.52 0.00	59.72 4.01 0.00	68.49 4.54 0.00	83.88 5.71 0.00	92.85 6.64 0.00	116.14 10.65 -1.12	149.03 13.79 -0.05	167.48 15.17 -0.57	139.20 11.57 -3.17	110.15 7.78 -5.18	88.89 5.50 0.00	70.76 3.37 0.00	61.00 2.90 0.00
FORT ORANGE___ 23900	42.92 0.21 0.00	37.55 0.23 0.00	34.49 0.51 0.00	30.83 0.60 0.00	31.91 0.53 0.00	34.86 0.58 0.00	35.40 0.76 0.00	38.56 0.90 0.00	41.84 0.82 0.00	43.63 0.77 0.04	47.00 0.37 0.00	51.41 0.36 0.00	56.27 0.56 0.00	64.53 0.57 0.00	78.24 0.62 0.56	85.80 0.61 1.02	84.36 2.40 22.42	137.49 3.24 0.94	143.93 3.64 11.45	143.05 2.36 -16.22	125.22 1.46 -26.57	84.22 0.83 0.00	67.73 0.34 0.00	58.33 0.23 0.00
FORT_DRUM_COGEN 23780	44.25 1.54 0.00	38.63 1.31 0.00	35.00 1.02 0.00	31.07 0.85 0.00	32.35 0.97 0.00	35.61 1.34 0.00	36.13 1.49 0.00	39.16 1.51 0.00	42.54 1.52 0.00	44.23 1.33 0.00	47.80 1.17 0.00	52.23 1.17 0.00	56.82 1.11 0.00	64.72 0.77 0.00	79.11 0.94 0.00	87.77 1.55 0.00	105.52 1.98 0.83	195.04 4.46 -55.39	237.83 6.52 -79.57	173.63 7.84 -41.33	103.03 5.83 0.00	89.56 6.17 0.00	71.71 4.31 0.00	61.35 3.25 0.00
FOX_HILLS___ESR 323835	45.31 2.61 0.00	39.60 2.28 0.00	36.12 2.14 0.00	32.22 1.99 0.00	33.41 2.04 0.00	36.54 2.26 0.00	37.30 2.67 0.00	40.85 3.20 0.00	44.67 3.65 0.00	46.99 4.08 -0.02	50.61 3.96 -0.02	52.06 4.14 3.13	54.02 4.35 6.04	59.27 3.97 8.65	73.63 5.16 9.70	82.62 6.12 9.72	105.63 10.33 9.08	116.23 12.98 31.94	133.70 13.50 31.54	115.95 10.21 18.72	98.84 6.61 4.96	76.33 4.34 11.39	60.00 2.22 9.62	53.85 2.15 6.39
FPL_FAR_ROCK_GT1 24212	46.00 3.29 0.00	40.20 2.87 0.00	36.63 2.65 0.00	32.73 2.51 0.00	33.85 2.48 0.00	37.02 2.74 0.00	37.65 3.01 0.00	41.53 3.88 0.00	45.45 4.43 0.00	47.28 4.38 0.00	50.68 4.05 0.00	55.81 4.75 0.00	61.01 5.30 0.00	69.59 5.63 0.00	85.26 7.04 -0.05	95.01 8.80 0.00	120.84 15.13 -1.33	154.44 19.19 -0.06	173.21 20.79 -0.69	143.31 15.81 -3.04	111.98 9.81 -4.98	90.70 7.25 -0.06	78.59 4.92 -6.28	67.71 3.54 -6.07
FPL_FAR_ROCK_GT2 23815	46.00 3.29 0.00	40.20 2.87 0.00	36.63 2.65 0.00	32.73 2.51 0.00	33.85 2.48 0.00	37.02 2.74 0.00	37.65 3.01 0.00	41.53 3.88 0.00	45.45 4.43 0.00	47.28 4.38 0.00	50.68 4.05 0.00	55.81 4.75 0.00	61.01 5.30 0.00	69.59 5.63 0.00	85.26 7.04 -0.05	95.01 8.80 0.00	120.84 15.13 -1.33	154.44 19.19 -0.06	173.21 20.79 -0.69	143.31 15.81 -3.04	111.98 9.81 -4.98	90.70 7.25 -0.06	78.59 4.92 -6.28	67.71 3.54 -6.07
FRANKLIN_FALL_HYD 24054	43.18 0.47 0.00	37.47 0.15 0.00	33.94 -0.03 0.00	30.04 -0.18 0.00	31.09 -0.28 0.00	33.90 -0.38 0.00	34.08 -0.55 0.00	36.86 -0.79 0.00	40.00 -1.03 0.00	41.61 -1.29 0.00	45.32 -1.31 0.00	49.17 -1.89 0.00	53.98 -1.73 0.00	61.71 -2.24 0.00	75.28 -2.89 0.00	82.59 -3.62 0.00	91.72 -6.37 6.29	90.47 -7.84 36.88	90.41 -8.35 52.98	91.10 -5.85 27.52	93.21 -3.98 0.00	81.22 -2.17 0.00	66.25 -1.15 0.00	57.16 -0.93 0.00



FREEPORT_EQUS_GT1 23764	45.48 2.77 0.00	39.79 2.46 0.00	36.29 2.31 0.00	32.43 2.21 0.00	33.54 2.16 0.00	36.68 2.40 0.00	37.30 2.67 0.00	41.16 3.50 0.00	45.00 3.98 0.00	46.76 3.86 0.00	49.98 3.36 0.00	54.99 3.93 0.00	60.06 4.35 0.00	68.17 4.22 0.00	83.20 5.01 -0.01	92.76 6.55 0.00	118.23 12.52 -1.33	151.20 15.94 -0.06	169.41 16.99 -0.69	140.20 12.70 -3.04	109.55 7.38 -4.98	88.74 5.34 -0.02	69.66 3.70 1.44	59.38 2.67 1.39
FREEPORT___CT2 23818	45.48 2.77 0.00	39.79 2.46 0.00	36.29 2.31 0.00	32.43 2.21 0.00	33.54 2.16 0.00	36.68 2.40 0.00	37.30 2.67 0.00	41.16 3.50 0.00	45.00 3.98 0.00	46.76 3.86 0.00	49.98 3.36 0.00	54.99 3.93 0.00	60.06 4.35 0.00	68.17 4.22 0.00	83.20 5.01 -0.01	92.76 6.55 0.00	118.23 12.52 -1.33	151.20 15.94 -0.06	169.41 16.99 -0.69	140.20 12.70 -3.04	109.55 7.38 -4.98	88.74 5.34 -0.02	69.66 3.70 1.44	59.38 2.67 1.39
FRESHKLS_33_KV_LOAD 356253	45.40 2.69 0.00	39.68 2.35 0.00	36.15 2.17 0.00	32.25 2.03 0.00	33.44 2.07 0.00	36.57 2.30 0.00	37.37 2.74 0.00	40.89 3.24 0.00	44.71 3.69 0.00	47.04 4.12 -0.02	50.56 3.92 -0.02	51.94 4.03 3.14	53.95 4.29 6.05	59.20 3.90 8.65	73.63 5.16 9.70	82.62 6.12 9.72	105.73 10.44 9.08	116.23 12.98 31.94	133.85 13.66 31.54	116.07 10.33 18.72	98.94 6.71 4.96	76.33 4.34 11.39	60.00 2.22 9.62	53.85 2.15 6.39
FULTON COGEN____ 23766	42.24 -0.47 0.00	36.91 -0.41 0.00	33.57 -0.41 0.00	29.89 -0.33 0.00	31.03 -0.35 0.00	33.90 -0.38 0.00	34.46 -0.17 0.00	37.43 -0.23 0.00	40.90 -0.12 0.00	42.81 -0.09 0.00	46.54 -0.09 0.00	51.05 0.00 0.00	55.71 0.00 0.00	64.14 0.19 0.00	78.41 0.23 0.00	86.82 0.60 0.00	105.42 1.04 0.00	143.44 1.49 -6.76	163.12 1.67 -9.71	131.12 1.62 -5.04	98.17 0.97 0.00	83.47 0.08 0.00	67.13 -0.27 0.00	57.75 -0.35 0.00
FULTON___LFGE 323630	46.13 3.42 0.00	40.31 2.99 0.00	36.73 2.75 0.00	32.67 2.45 0.00	33.98 2.60 0.00	37.23 2.95 0.00	37.65 3.01 0.00	40.59 2.94 0.00	44.18 3.16 0.00	45.90 3.00 0.00	49.89 3.26 0.00	54.73 3.68 0.00	60.00 4.29 0.00	68.56 4.61 0.00	83.88 5.70 0.00	92.85 6.64 0.00	115.83 8.66 -2.79	147.88 12.57 -0.12	169.24 16.08 -1.43	169.71 14.56 -30.70	158.92 11.46 -50.26	92.81 9.42 0.00	74.34 6.94 0.00	63.62 5.52 0.00
G.F.CEMENT___DRP 24184	44.72 2.01 0.00	39.12 1.79 0.00	35.71 1.73 0.00	31.77 1.54 0.00	33.04 1.66 0.00	36.13 1.85 0.00	36.71 2.08 0.00	39.95 2.30 0.00	43.24 2.22 0.00	45.05 2.15 0.00	48.73 2.10 0.00	53.35 2.30 0.00	58.44 2.73 0.00	66.96 3.01 0.00	82.08 3.91 0.00	90.96 4.74 0.00	117.27 7.31 -5.59	145.97 10.54 -0.23	168.05 13.50 -2.81	166.76 11.20 -31.09	156.76 8.65 -50.91	89.89 6.50 0.00	72.05 4.65 0.00	61.64 3.54 0.00
GARDENVILLE___LBMP 24039	41.77 -0.94 0.00	36.84 -0.49 0.00	33.16 -0.82 0.00	29.74 -0.48 0.00	30.62 -0.75 0.00	33.39 -0.89 0.00	34.05 -0.59 0.00	36.03 -1.62 0.00	39.95 -1.07 0.00	41.87 -1.03 0.00	45.70 -0.93 0.00	51.00 -0.05 0.00	55.76 0.06 0.00	64.78 0.83 0.00	78.80 0.63 0.00	88.63 2.41 0.00	107.30 2.92 0.00	136.95 1.76 0.00	154.16 2.43 0.00	126.58 2.12 0.00	97.97 0.78 0.00	81.80 -1.58 0.00	66.38 -1.01 0.00	57.45 -0.64 0.00
GARDNVLA_35_KV_LD 355827	41.94 -0.77 0.00	36.99 -0.34 0.00	33.30 -0.68 0.00	29.86 -0.36 0.00	30.75 -0.63 0.00	33.52 -0.75 0.00	34.22 -0.42 0.00	36.22 -1.43 0.00	40.16 -0.86 0.00	42.13 -0.77 0.00	45.98 -0.65 0.00	51.36 0.31 0.00	56.15 0.45 0.00	65.23 1.28 0.00	79.35 1.17 0.00	89.32 3.10 0.00	108.13 3.76 0.00	138.03 2.84 0.00	155.23 3.49 0.00	127.45 2.99 0.00	98.55 1.36 0.00	82.30 -1.08 0.00	66.79 -0.61 0.00	57.75 -0.35 0.00
GELCKHM___115KV_LOAD 80723	42.41 -0.30 0.00	37.06 -0.26 0.00	33.71 -0.27 0.00	30.01 -0.21 0.00	31.15 -0.22 0.00	34.04 -0.24 0.00	34.60 -0.03 0.00	37.58 -0.08 0.00	41.10 0.08 0.00	43.03 0.13 0.00	46.82 0.19 0.00	51.46 0.41 0.00	56.15 0.45 0.00	64.66 0.70 0.00	79.03 0.86 0.00	87.59 1.38 0.00	106.36 1.98 0.00	143.08 2.43 -5.45	162.45 2.88 -7.83	130.90 2.36 -4.07	98.75 1.56 0.00	83.97 0.58 0.00	67.53 0.13 0.00	58.09 0.00 0.00
GENERAL___MILLS 23808	41.85 -0.85 0.00	36.91 -0.41 0.00	33.23 -0.75 0.00	29.80 -0.42 0.00	30.68 -0.69 0.00	33.45 -0.82 0.00	34.15 -0.48 0.00	36.11 -1.54 0.00	40.08 -0.94 0.00	42.00 -0.90 0.00	45.84 -0.79 0.00	51.21 0.15 0.00	55.93 0.22 0.00	65.04 1.09 0.00	79.11 0.94 0.00	88.97 2.76 0.00	107.71 3.34 0.00	137.49 2.30 0.00	154.62 2.88 0.00	127.08 2.61 0.00	98.26 1.07 0.00	82.05 -1.33 0.00	66.59 -0.81 0.00	57.57 -0.52 0.00
GE_PLASTICS___DRP 24183	42.49 -0.21 0.00	37.29 -0.04 0.00	34.18 0.20 0.00	30.53 0.30 0.00	31.62 0.25 0.00	34.55 0.27 0.00	35.05 0.42 0.00	38.18 0.53 0.00	41.51 0.49 0.00	42.55 0.43 0.78	47.05 0.42 0.00	51.46 0.41 0.00	56.21 0.50 0.00	64.46 0.51 0.00	68.78 0.47 9.87	68.61 0.43 18.04	92.40 1.77 13.75	137.05 2.43 0.58	147.27 2.58 7.04	139.44 1.62 -13.36	119.94 0.87 -21.87	83.80 0.42 0.00	67.19 -0.20 0.00	58.04 -0.06 0.00
GILBOA___1 23756	43.26 0.55 0.00	37.89 0.56 0.00	34.73 0.75 0.00	30.98 0.76 0.00	32.12 0.75 0.00	35.10 0.82 0.00	35.54 0.90 0.00	38.75 1.09 0.00	42.17 1.15 0.00	44.15 1.24 0.00	47.89 1.26 0.00	52.43 1.38 0.00	57.21 1.50 0.00	65.61 1.66 0.00	80.29 2.11 0.00	88.20 1.98 0.00	107.71 3.34 0.00	139.38 4.20 0.00	156.28 4.55 0.00	129.78 3.36 -1.95	102.82 2.43 -3.20	85.38 2.00 0.00	68.41 1.01 0.00	58.97 0.87 0.00
GILBOA___2 23757	43.26 0.55 0.00	37.89 0.56 0.00	34.73 0.75 0.00	30.98 0.76 0.00	32.12 0.75 0.00	35.10 0.82 0.00	35.54 0.90 0.00	38.75 1.09 0.00	42.17 1.15 0.00	44.15 1.24 0.00	47.89 1.26 0.00	52.43 1.38 0.00	57.21 1.50 0.00	65.61 1.66 0.00	80.29 2.11 0.00	88.20 1.98 0.00	107.71 3.34 0.00	139.38 4.20 0.00	156.28 4.55 0.00	129.78 3.36 -1.95	102.82 2.43 -3.20	85.38 2.00 0.00	68.41 1.01 0.00	58.97 0.87 0.00
GILBOA___3 23758	43.26 0.55 0.00	37.89 0.56 0.00	34.73 0.75 0.00	30.98 0.76 0.00	32.12 0.75 0.00	35.10 0.82 0.00	35.54 0.90 0.00	38.75 1.09 0.00	42.17 1.15 0.00	44.15 1.24 0.00	47.89 1.26 0.00	52.43 1.38 0.00	57.21 1.50 0.00	65.61 1.66 0.00	80.29 2.11 0.00	88.20 1.98 0.00	107.71 3.34 0.00	139.38 4.20 0.00	156.28 4.55 0.00	129.78 3.36 -1.95	102.82 2.43 -3.20	85.38 2.00 0.00	68.41 1.01 0.00	58.97 0.87 0.00
GILBOA___4 23759	43.26 0.55 0.00	37.89 0.56 0.00	34.73 0.75 0.00	30.98 0.76 0.00	32.12 0.75 0.00	35.10 0.82 0.00	35.54 0.90 0.00	38.75 1.09 0.00	42.17 1.15 0.00	44.15 1.24 0.00	47.89 1.26 0.00	52.43 1.38 0.00	57.21 1.50 0.00	65.61 1.66 0.00	80.29 2.11 0.00	88.20 1.98 0.00	107.71 3.34 0.00	139.38 4.20 0.00	156.28 4.55 0.00	129.78 3.36 -1.95	102.82 2.43 -3.20	85.38 2.00 0.00	68.41 1.01 0.00	58.97 0.87 0.00



GILBOA____ 23599	43.26 0.56 0.00	37.88 0.56 0.00	34.73 0.75 0.00	30.98 0.76 0.00	32.13 0.75 0.00	35.10 0.82 0.00	35.57 0.94 0.00	38.75 1.09 0.00	42.17 1.15 0.00	44.14 1.24 0.00	47.89 1.26 0.00	52.43 1.38 0.00	57.27 1.56 0.00	65.61 1.66 0.00	80.29 2.11 0.00	88.20 1.98 0.00	107.71 3.34 0.00	139.38 4.19 0.00	156.29 4.55 0.00	129.77 3.36 -1.95	102.82 2.43 -3.20	85.30 1.92 0.00	68.41 1.01 0.00	58.97 0.87 0.00
GINNA____ 23603	41.13 -1.58 0.00	35.76 -1.57 0.00	32.42 -1.56 0.00	28.89 -1.33 0.00	29.99 -1.38 0.00	32.70 -1.58 0.00	33.36 -1.28 0.00	36.00 -1.66 0.00	39.55 -1.48 0.00	41.44 -1.46 0.00	45.60 -1.03 0.00	50.34 -0.71 0.00	55.15 -0.56 0.00	63.57 -0.38 0.00	77.55 -0.63 0.00	86.65 0.43 0.00	104.90 0.52 0.00	135.19 0.00 0.00	151.89 0.15 0.00	124.59 0.12 0.00	96.71 -0.48 0.00	81.72 -1.67 0.00	65.85 -1.55 0.00	56.58 -1.51 0.00
GLEN PARK____ 23778	44.54 1.84 0.00	38.86 1.53 0.00	35.20 1.22 0.00	31.25 1.03 0.00	32.53 1.16 0.00	35.86 1.58 0.00	36.37 1.73 0.00	39.39 1.73 0.00	42.78 1.76 0.00	44.49 1.59 0.00	48.12 1.49 0.00	52.54 1.48 0.00	57.21 1.50 0.00	65.16 1.21 0.00	79.66 1.48 0.00	88.63 2.41 0.00	106.51 2.92 0.78	193.41 5.81 -52.41	235.37 8.34 -75.30	173.02 9.45 -39.11	104.29 7.09 0.00	90.64 7.25 0.00	72.38 4.99 0.00	61.93 3.83 0.00
GLENDALE_27_KV_LOAD 356172	45.31 2.61 0.00	39.68 2.35 0.00	36.19 2.21 0.00	32.28 2.06 0.00	33.51 2.13 0.00	36.64 2.37 0.00	37.48 2.84 0.00	41.12 3.46 0.00	44.92 3.90 0.00	47.21 4.29 -0.02	51.03 4.38 -0.02	55.80 4.75 0.00	60.67 4.96 0.00	68.68 4.73 0.00	84.19 6.02 0.00	93.28 7.07 0.00	117.19 11.48 -1.33	149.58 14.33 -0.06	167.59 15.17 -0.68	138.95 11.45 -3.04	109.75 7.58 -4.98	88.39 5.00 0.00	70.23 2.83 0.00	60.82 2.73 0.00
GLENWOOD_IC_1_G5 23712	45.27 2.56 0.00	39.53 2.20 0.00	36.09 2.11 0.00	32.22 1.99 0.00	33.38 2.01 0.00	36.51 2.23 0.00	37.20 2.56 0.00	40.89 3.24 0.00	44.71 3.69 0.00	46.76 3.86 0.00	50.40 3.78 0.00	55.29 4.24 0.00	60.00 4.29 0.00	68.56 4.60 0.00	83.97 5.78 -0.01	93.11 6.90 0.00	117.71 12.00 -1.33	150.39 15.14 -0.06	168.50 16.08 -0.68	139.70 12.20 -3.04	109.46 7.29 -4.98	88.06 4.67 -0.01	69.35 2.97 1.01	59.44 2.32 0.98
GLENWOOD_IC_2_G1 23688	44.93 2.22 0.00	39.34 2.01 0.00	35.88 1.90 0.00	32.07 1.84 0.00	33.19 1.82 0.00	36.33 2.06 0.00	37.06 2.42 0.00	40.70 3.05 0.00	44.47 3.45 0.00	46.50 3.60 0.00	50.13 3.50 0.00	54.89 3.83 0.00	59.83 4.12 0.00	68.36 4.41 0.00	83.73 5.55 0.00	93.02 6.81 0.00	117.29 11.58 -1.33	149.86 14.60 -0.06	167.91 15.48 -0.69	139.20 11.70 -3.04	109.65 7.48 -4.98	88.47 5.09 0.00	70.36 2.96 0.00	60.53 2.44 0.00
GLENWOOD_IC_3_G1 23689	44.93 2.22 0.00	39.34 2.01 0.00	35.88 1.90 0.00	32.07 1.84 0.00	33.19 1.82 0.00	36.33 2.06 0.00	37.06 2.42 0.00	40.70 3.05 0.00	44.47 3.45 0.00	46.50 3.60 0.00	50.13 3.50 0.00	54.89 3.83 0.00	59.83 4.12 0.00	68.36 4.41 0.00	83.73 5.55 0.00	93.02 6.81 0.00	117.29 11.58 -1.33	149.86 14.60 -0.06	167.91 15.48 -0.69	139.20 11.70 -3.04	109.65 7.48 -4.98	88.47 5.09 0.00	70.36 2.96 0.00	60.53 2.44 0.00
GLENWOOD____4 23550	45.27 2.56 0.00	39.53 2.20 0.00	36.09 2.11 0.00	32.22 1.99 0.00	33.38 2.01 0.00	36.51 2.23 0.00	37.20 2.56 0.00	40.89 3.24 0.00	44.71 3.69 0.00	46.76 3.86 0.00	50.40 3.78 0.00	55.29 4.24 0.00	60.11 4.40 0.00	68.68 4.73 0.00	84.20 6.02 -0.01	93.37 7.16 0.00	118.02 12.32 -1.33	150.79 15.55 -0.06	168.95 16.54 -0.68	140.07 12.57 -3.04	109.65 7.48 -4.98	88.31 4.92 -0.01	69.48 3.10 1.01	59.61 2.50 0.98
GLENWOOD____5 23614	45.27 2.56 0.00	39.53 2.20 0.00	36.09 2.11 0.00	32.22 1.99 0.00	33.38 2.01 0.00	36.51 2.23 0.00	37.20 2.56 0.00	40.89 3.24 0.00	44.71 3.69 0.00	46.76 3.86 0.00	50.40 3.78 0.00	55.29 4.24 0.00	60.11 4.40 0.00	68.68 4.73 0.00	84.20 6.02 -0.01	93.37 7.16 0.00	118.02 12.32 -1.33	150.79 15.55 -0.06	168.95 16.54 -0.68	140.07 12.57 -3.04	109.65 7.48 -4.98	88.31 4.92 -0.01	69.48 3.10 1.01	59.61 2.50 0.98
GLOBAL GREEN_PORT_GT1 23814	46.30 3.59 0.00	40.42 3.10 0.00	36.80 2.82 0.00	32.97 2.75 0.00	34.01 2.64 0.00	37.19 2.91 0.00	37.48 2.84 0.00	41.53 3.88 0.00	45.49 4.47 0.00	47.02 4.12 0.00	50.21 3.59 0.01	55.29 4.54 0.31	60.50 5.07 0.28	68.81 4.86 0.00	84.19 6.26 0.24	94.92 8.70 0.00	122.63 16.91 -1.35	186.84 21.90 -29.75	196.94 23.66 -21.54	145.44 17.93 -3.05	111.98 9.81 -4.97	89.09 6.67 0.97	64.32 3.98 7.05	54.61 3.37 6.85
GLOBE____DSASP 323697	40.36 -2.35 0.00	35.72 -1.60 0.00	32.18 -1.80 0.00	28.89 -1.33 0.00	29.74 -1.63 0.00	32.39 -1.89 0.00	33.01 -1.63 0.00	34.94 -2.71 0.00	38.72 -2.30 0.00	40.54 -2.36 0.00	44.20 -2.42 0.00	49.37 -1.68 0.00	53.87 -1.84 0.00	62.55 -1.41 0.00	75.99 -2.19 0.00	85.35 -0.86 0.00	103.02 -1.36 0.00	131.00 -4.19 0.00	147.34 -4.40 0.00	120.85 -3.61 0.00	93.79 -3.40 0.00	78.47 -4.92 0.00	63.89 -3.50 0.00	55.77 -2.32 0.00
GOETHSLN____LBMP 323567	44.63 1.92 0.00	39.08 1.75 0.00	35.64 1.66 0.00	31.83 1.60 0.00	33.00 1.63 0.00	36.13 1.85 0.00	36.96 2.32 0.00	40.55 2.90 0.00	44.30 3.28 0.00	46.56 3.65 -0.01	50.37 3.73 -0.01	51.80 3.88 3.14	53.79 4.12 6.04	59.57 4.28 8.67	73.93 5.47 9.72	82.94 6.47 9.74	106.04 10.75 9.08	116.62 13.38 31.95	134.14 13.96 31.55	116.18 10.45 18.74	99.02 6.80 4.98	76.32 4.34 11.41	60.12 2.36 9.63	53.90 2.21 6.40
GOLAH____69_KV_TB 1_2 80279	43.22 0.51 0.00	37.74 0.41 0.00	34.11 0.14 0.00	30.44 0.21 0.00	31.50 0.13 0.00	34.35 0.07 0.00	34.98 0.35 0.00	37.58 -0.08 0.00	41.31 0.29 0.00	43.29 0.39 0.00	47.38 0.75 0.00	52.53 1.48 0.00	56.99 1.28 0.00	66.19 2.24 0.00	80.60 2.42 0.00	89.75 3.53 0.00	108.65 4.28 0.00	139.65 4.46 0.00	157.81 6.07 0.00	129.69 5.23 0.00	100.69 3.50 0.00	84.80 1.42 0.00	68.54 1.15 0.00	59.20 1.10 0.00
GOODYEAR_LAKE_HYD 323669	44.50 1.79 0.00	38.89 1.57 0.00	35.44 1.46 0.00	31.55 1.33 0.00	32.78 1.41 0.00	35.92 1.65 0.00	36.51 1.87 0.00	39.61 1.96 0.00	42.91 1.89 0.00	44.92 2.02 0.00	48.77 2.14 0.00	53.45 2.40 0.00	58.38 2.67 0.00	67.28 3.33 0.00	82.94 4.77 0.00	91.82 5.60 0.00	111.78 7.41 0.00	145.33 10.14 0.00	163.87 11.68 -0.45	143.68 9.71 -9.51	119.95 7.19 -15.57	88.97 5.59 0.00	71.10 3.71 0.00	61.11 3.02 0.00
GOUDEY_115_KV_TB6_REV_LBMP_C 345031	43.05 0.34 0.00	37.70 0.37 0.00	34.25 0.27 0.00	30.53 0.30 0.00	31.66 0.28 0.00	34.59 0.31 0.00	35.23 0.59 0.00	38.03 0.38 0.00	41.64 0.62 0.00	43.54 0.64 0.00	47.33 0.70 0.00	52.18 1.12 0.00	56.93 1.23 0.00	65.61 1.66 0.00	80.21 2.03 0.00	89.15 2.93 0.00	108.55 4.17 0.00	140.33 5.14 0.00	157.50 5.77 0.00	130.67 4.85 -1.35	102.71 3.30 -2.21	85.14 1.75 0.00	68.41 1.01 0.00	59.02 0.93 0.00



GOUDEY___7 23579	43.05 0.34 0.00	37.70 0.37 0.00	34.25 0.27 0.00	30.53 0.30 0.00	31.66 0.28 0.00	34.59 0.31 0.00	35.23 0.59 0.00	38.03 0.38 0.00	41.64 0.62 0.00	43.54 0.64 0.00	47.33 0.70 0.00	52.18 1.12 0.00	56.93 1.23 0.00	65.61 1.66 0.00	80.21 2.03 0.00	89.15 2.93 0.00	108.55 4.17 0.00	140.33 5.14 0.00	157.50 5.77 0.00	130.67 4.85 -1.35	102.71 3.30 -2.21	85.14 1.75 0.00	68.41 1.01 0.00	59.02 0.93 0.00
GOUDEY___8 23580	43.05 0.34 0.00	37.70 0.37 0.00	34.25 0.27 0.00	30.53 0.30 0.00	31.66 0.28 0.00	34.59 0.31 0.00	35.23 0.59 0.00	38.03 0.38 0.00	41.64 0.62 0.00	43.54 0.64 0.00	47.33 0.70 0.00	52.18 1.12 0.00	56.93 1.23 0.00	65.61 1.66 0.00	80.21 2.03 0.00	89.15 2.93 0.00	108.55 4.17 0.00	140.33 5.14 0.00	157.50 5.77 0.00	130.67 4.85 -1.35	102.71 3.30 -2.21	85.14 1.75 0.00	68.41 1.01 0.00	59.02 0.93 0.00
GOWANUS_GT1_1 24077	45.31 2.61 0.00	39.64 2.31 0.00	36.15 2.17 0.00	32.25 2.03 0.00	33.44 2.07 0.00	36.57 2.30 0.00	37.37 2.74 0.00	40.93 3.28 0.00	44.75 3.73 0.00	47.08 4.16 -0.02	50.80 4.15 -0.02	55.50 4.44 0.00	60.33 4.62 0.00	68.30 4.35 0.00	83.80 5.63 0.00	92.77 6.55 0.00	116.67 10.96 -1.33	148.90 13.65 -0.06	166.83 14.41 -0.68	138.45 10.95 -3.04	109.36 7.19 -4.98	88.14 4.75 0.00	70.02 2.63 0.00	60.59 2.50 0.00
GOWANUS_GT1_2 24078	45.31 2.61 0.00	39.64 2.31 0.00	36.15 2.17 0.00	32.25 2.03 0.00	33.44 2.07 0.00	36.57 2.30 0.00	37.37 2.74 0.00	40.93 3.28 0.00	44.75 3.73 0.00	47.08 4.16 -0.02	50.80 4.15 -0.02	55.50 4.44 0.00	60.33 4.62 0.00	68.30 4.35 0.00	83.80 5.63 0.00	92.77 6.55 0.00	116.67 10.96 -1.33	148.90 13.65 -0.06	166.83 14.41 -0.68	138.45 10.95 -3.04	109.36 7.19 -4.98	88.14 4.75 0.00	70.02 2.63 0.00	60.59 2.50 0.00
GOWANUS_GT1_3 24079	45.31 2.61 0.00	39.64 2.31 0.00	36.15 2.17 0.00	32.25 2.03 0.00	33.44 2.07 0.00	36.57 2.30 0.00	37.37 2.74 0.00	40.93 3.28 0.00	44.75 3.73 0.00	47.08 4.16 -0.02	50.80 4.15 -0.02	55.50 4.44 0.00	60.33 4.62 0.00	68.30 4.35 0.00	83.80 5.63 0.00	92.77 6.55 0.00	116.67 10.96 -1.33	148.90 13.65 -0.06	166.83 14.41 -0.68	138.45 10.95 -3.04	109.36 7.19 -4.98	88.14 4.75 0.00	70.02 2.63 0.00	60.59 2.50 0.00
GOWANUS_GT1_4 24080	45.31 2.61 0.00	39.64 2.31 0.00	36.15 2.17 0.00	32.25 2.03 0.00	33.44 2.07 0.00	36.57 2.30 0.00	37.37 2.74 0.00	40.93 3.28 0.00	44.75 3.73 0.00	47.08 4.16 -0.02	50.80 4.15 -0.02	55.50 4.44 0.00	60.33 4.62 0.00	68.30 4.35 0.00	83.80 5.63 0.00	92.77 6.55 0.00	116.67 10.96 -1.33	148.90 13.65 -0.06	166.83 14.41 -0.68	138.45 10.95 -3.04	109.36 7.19 -4.98	88.14 4.75 0.00	70.02 2.63 0.00	60.59 2.50 0.00
GOWANUS_GT1_5 24084	45.31 2.61 0.00	39.64 2.31 0.00	36.15 2.17 0.00	32.25 2.03 0.00	33.44 2.07 0.00	36.57 2.30 0.00	37.37 2.74 0.00	40.93 3.28 0.00	44.75 3.73 0.00	47.08 4.16 -0.02	50.80 4.15 -0.02	55.50 4.44 0.00	60.33 4.62 0.00	68.30 4.35 0.00	83.80 5.63 0.00	92.77 6.55 0.00	116.67 10.96 -1.33	148.90 13.65 -0.06	166.83 14.41 -0.68	138.45 10.95 -3.04	109.36 7.19 -4.98	88.14 4.75 0.00	70.02 2.63 0.00	60.59 2.50 0.00
GOWANUS_GT1_6 24111	45.31 2.61 0.00	39.64 2.31 0.00	36.15 2.17 0.00	32.25 2.03 0.00	33.44 2.07 0.00	36.57 2.30 0.00	37.37 2.74 0.00	40.93 3.28 0.00	44.75 3.73 0.00	47.08 4.16 -0.02	50.80 4.15 -0.02	55.50 4.44 0.00	60.33 4.62 0.00	68.30 4.35 0.00	83.80 5.63 0.00	92.77 6.55 0.00	116.67 10.96 -1.33	148.90 13.65 -0.06	166.83 14.41 -0.68	138.45 10.95 -3.04	109.36 7.19 -4.98	88.14 4.75 0.00	70.02 2.63 0.00	60.59 2.50 0.00
GOWANUS_GT1_7 24112	45.31 2.61 0.00	39.64 2.31 0.00	36.15 2.17 0.00	32.25 2.03 0.00	33.44 2.07 0.00	36.57 2.30 0.00	37.37 2.74 0.00	40.93 3.28 0.00	44.75 3.73 0.00	47.08 4.16 -0.02	50.80 4.15 -0.02	55.50 4.44 0.00	60.33 4.62 0.00	68.30 4.35 0.00	83.80 5.63 0.00	92.77 6.55 0.00	116.67 10.96 -1.33	148.90 13.65 -0.06	166.83 14.41 -0.68	138.45 10.95 -3.04	109.36 7.19 -4.98	88.14 4.75 0.00	70.02 2.63 0.00	60.59 2.50 0.00
GOWANUS_GT1_8 24113	45.31 2.61 0.00	39.64 2.31 0.00	36.15 2.17 0.00	32.25 2.03 0.00	33.44 2.07 0.00	36.57 2.30 0.00	37.37 2.74 0.00	40.93 3.28 0.00	44.75 3.73 0.00	47.08 4.16 -0.02	50.80 4.15 -0.02	55.50 4.44 0.00	60.33 4.62 0.00	68.30 4.35 0.00	83.80 5.63 0.00	92.77 6.55 0.00	116.67 10.96 -1.33	148.90 13.65 -0.06	166.83 14.41 -0.68	138.45 10.95 -3.04	109.36 7.19 -4.98	88.14 4.75 0.00	70.02 2.63 0.00	60.59 2.50 0.00
GOWANUS_GT2_1 24114	45.32 2.61 -0.01	39.65 2.31 -0.01	36.16 2.18 -0.01	32.26 2.03 -0.01	33.45 2.07 -0.01	36.58 2.30 -0.01	37.38 2.74 -0.01	40.94 3.27 -0.01	44.76 3.73 -0.01	47.08 4.16 -0.02	50.66 4.01 -0.02	55.39 4.34 0.00	60.06 4.35 0.00	68.23 4.29 0.01	83.72 5.55 0.01	92.76 6.55 0.01	116.65 10.96 -1.32	148.89 13.65 -0.05	166.83 14.42 -0.67	138.32 10.82 -3.03	109.45 7.29 -4.97	88.21 4.83 0.01	70.09 2.70 0.01	60.59 2.50 0.00
GOWANUS_GT2_2 24115	45.32 2.61 -0.01	39.65 2.31 -0.01	36.16 2.18 -0.01	32.26 2.03 -0.01	33.45 2.07 -0.01	36.58 2.30 -0.01	37.38 2.74 -0.01	40.94 3.27 -0.01	44.76 3.73 -0.01	47.08 4.16 -0.02	50.66 4.01 -0.02	55.39 4.34 0.00	60.06 4.35 0.00	68.23 4.29 0.01	83.72 5.55 0.01	92.76 6.55 0.01	116.65 10.96 -1.32	148.89 13.65 -0.05	166.83 14.42 -0.67	138.32 10.82 -3.03	109.45 7.29 -4.97	88.21 4.83 0.01	70.09 2.70 0.01	60.59 2.50 0.00
GOWANUS_GT2_3 24116	45.32 2.61 -0.01	39.65 2.31 -0.01	36.16 2.18 -0.01	32.26 2.03 -0.01	33.45 2.07 -0.01	36.58 2.30 -0.01	37.38 2.74 -0.01	40.94 3.27 -0.01	44.76 3.73 -0.01	47.08 4.16 -0.02	50.66 4.01 -0.02	55.39 4.34 0.00	60.06 4.35 0.00	68.23 4.29 0.01	83.72 5.55 0.01	92.76 6.55 0.01	116.65 10.96 -1.32	148.89 13.65 -0.05	166.83 14.42 -0.67	138.32 10.82 -3.03	109.45 7.29 -4.97	88.21 4.83 0.01	70.09 2.70 0.01	60.59 2.50 0.00
GOWANUS_GT2_4 24117	45.32 2.61 -0.01	39.65 2.31 -0.01	36.16 2.18 -0.01	32.26 2.03 -0.01	33.45 2.07 -0.01	36.58 2.30 -0.01	37.38 2.74 -0.01	40.94 3.27 -0.01	44.76 3.73 -0.01	47.08 4.16 -0.02	50.66 4.01 -0.02	55.39 4.34 0.00	60.06 4.35 0.00	68.23 4.29 0.01	83.72 5.55 0.01	92.76 6.55 0.01	116.65 10.96 -1.32	148.89 13.65 -0.05	166.83 14.42 -0.67	138.32 10.82 -3.03	109.45 7.29 -4.97	88.21 4.83 0.01	70.09 2.70 0.01	60.59 2.50 0.00
GOWANUS_GT2_5 24118	45.32 2.61 -0.01	39.65 2.31 -0.01	36.16 2.18 -0.01	32.26 2.03 -0.01	33.45 2.07 -0.01	36.58 2.30 -0.01	37.38 2.74 -0.01	40.94 3.27 -0.01	44.76 3.73 -0.01	47.08 4.16 -0.02	50.66 4.01 -0.02	55.39 4.34 0.00	60.06 4.35 0.00	68.23 4.29 0.01	83.72 5.55 0.01	92.76 6.55 0.01	116.65 10.96 -1.32	148.89 13.65 -0.05	166.83 14.42 -0.67	138.32 10.82 -3.03	109.45 7.29 -4.97	88.21 4.83 0.01	70.09 2.70 0.01	60.59 2.50 0.00



GOWANUS_GT2_6 24119	45.32 2.61 -0.01	39.65 2.31 -0.01	36.16 2.18 -0.01	32.26 2.03 -0.01	33.45 2.07 -0.01	36.58 2.30 -0.01	37.38 2.74 -0.01	40.94 3.27 -0.01	44.76 3.73 -0.01	47.08 4.16 -0.02	50.66 4.01 -0.02	55.39 4.34 0.00	60.06 4.35 0.00	68.23 4.29 0.01	83.72 5.55 0.01	92.76 6.55 0.01	116.65 10.96 -1.32	148.89 13.65 -0.05	166.83 14.42 -0.67	138.32 10.82 -3.03	109.45 7.29 -4.97	88.21 4.83 0.01	70.09 2.70 0.01	60.59 2.50 0.00
GOWANUS_GT2_7 24120	45.32 2.61 -0.01	39.65 2.31 -0.01	36.16 2.18 -0.01	32.26 2.03 -0.01	33.45 2.07 -0.01	36.58 2.30 -0.01	37.38 2.74 -0.01	40.94 3.27 -0.01	44.76 3.73 -0.01	47.08 4.16 -0.02	50.66 4.01 -0.02	55.39 4.34 0.00	60.06 4.35 0.00	68.23 4.29 0.01	83.72 5.55 0.01	92.76 6.55 0.01	116.65 10.96 -1.32	148.89 13.65 -0.05	166.83 14.42 -0.67	138.32 10.82 -3.03	109.45 7.29 -4.97	88.21 4.83 0.01	70.09 2.70 0.01	60.59 2.50 0.00
GOWANUS_GT2_8 24121	45.32 2.61 -0.01	39.65 2.31 -0.01	36.16 2.18 -0.01	32.26 2.03 -0.01	33.45 2.07 -0.01	36.58 2.30 -0.01	37.38 2.74 -0.01	40.94 3.27 -0.01	44.76 3.73 -0.01	47.08 4.16 -0.02	50.66 4.01 -0.02	55.39 4.34 0.00	60.06 4.35 0.00	68.23 4.29 0.01	83.72 5.55 0.01	92.76 6.55 0.01	116.65 10.96 -1.32	148.89 13.65 -0.05	166.83 14.42 -0.67	138.32 10.82 -3.03	109.45 7.29 -4.97	88.21 4.83 0.01	70.09 2.70 0.01	60.59 2.50 0.00
GOWANUS_GT3_1 24122	45.32 2.61 -0.01	39.65 2.31 -0.01	36.16 2.18 -0.01	32.26 2.03 -0.01	33.45 2.07 -0.01	36.58 2.30 -0.01	37.38 2.74 -0.01	40.94 3.27 -0.01	44.76 3.73 -0.01	47.08 4.16 -0.02	50.66 4.01 -0.02	55.39 4.34 0.00	60.06 4.35 0.00	68.23 4.29 0.01	83.72 5.55 0.01	92.76 6.55 0.01	116.66 10.96 -1.33	148.89 13.65 -0.05	166.83 14.42 -0.67	138.32 10.82 -3.03	109.45 7.29 -4.97	88.21 4.83 0.01	70.09 2.70 0.01	60.59 2.50 0.00
GOWANUS_GT3_2 24123	45.32 2.61 -0.01	39.65 2.31 -0.01	36.16 2.18 -0.01	32.26 2.03 -0.01	33.45 2.07 -0.01	36.58 2.30 -0.01	37.38 2.74 -0.01	40.94 3.27 -0.01	44.76 3.73 -0.01	47.08 4.16 -0.02	50.66 4.01 -0.02	55.39 4.34 0.00	60.06 4.35 0.00	68.23 4.29 0.01	83.72 5.55 0.01	92.76 6.55 0.01	116.66 10.96 -1.33	148.89 13.65 -0.05	166.83 14.42 -0.67	138.32 10.82 -3.03	109.45 7.29 -4.97	88.21 4.83 0.01	70.09 2.70 0.01	60.59 2.50 0.00
GOWANUS_GT3_3 24124	45.32 2.61 -0.01	39.65 2.31 -0.01	36.16 2.18 -0.01	32.26 2.03 -0.01	33.45 2.07 -0.01	36.58 2.30 -0.01	37.38 2.74 -0.01	40.94 3.27 -0.01	44.76 3.73 -0.01	47.08 4.16 -0.02	50.66 4.01 -0.02	55.39 4.34 0.00	60.06 4.35 0.00	68.23 4.29 0.01	83.72 5.55 0.01	92.76 6.55 0.01	116.66 10.96 -1.33	148.89 13.65 -0.05	166.83 14.42 -0.67	138.32 10.82 -3.03	109.45 7.29 -4.97	88.21 4.83 0.01	70.09 2.70 0.01	60.59 2.50 0.00
GOWANUS_GT3_4 24125	45.32 2.61 -0.01	39.65 2.31 -0.01	36.16 2.18 -0.01	32.26 2.03 -0.01	33.45 2.07 -0.01	36.58 2.30 -0.01	37.38 2.74 -0.01	40.94 3.27 -0.01	44.76 3.73 -0.01	47.08 4.16 -0.02	50.66 4.01 -0.02	55.39 4.34 0.00	60.06 4.35 0.00	68.23 4.29 0.01	83.72 5.55 0.01	92.76 6.55 0.01	116.66 10.96 -1.33	148.89 13.65 -0.05	166.83 14.42 -0.67	138.32 10.82 -3.03	109.45 7.29 -4.97	88.21 4.83 0.01	70.09 2.70 0.01	60.59 2.50 0.00
GOWANUS_GT3_5 24126	45.32 2.61 -0.01	39.65 2.31 -0.01	36.16 2.18 -0.01	32.26 2.03 -0.01	33.45 2.07 -0.01	36.58 2.30 -0.01	37.38 2.74 -0.01	40.94 3.27 -0.01	44.76 3.73 -0.01	47.08 4.16 -0.02	50.66 4.01 -0.02	55.39 4.34 0.00	60.06 4.35 0.00	68.23 4.29 0.01	83.72 5.55 0.01	92.76 6.55 0.01	116.66 10.96 -1.33	148.89 13.65 -0.05	166.83 14.42 -0.67	138.32 10.82 -3.03	109.45 7.29 -4.97	88.21 4.83 0.01	70.09 2.70 0.01	60.59 2.50 0.00
GOWANUS_GT3_6 24127	45.32 2.61 -0.01	39.65 2.31 -0.01	36.16 2.18 -0.01	32.26 2.03 -0.01	33.45 2.07 -0.01	36.58 2.30 -0.01	37.38 2.74 -0.01	40.94 3.27 -0.01	44.76 3.73 -0.01	47.08 4.16 -0.02	50.66 4.01 -0.02	55.39 4.34 0.00	60.06 4.35 0.00	68.23 4.29 0.01	83.72 5.55 0.01	92.76 6.55 0.01	116.66 10.96 -1.33	148.89 13.65 -0.05	166.83 14.42 -0.67	138.32 10.82 -3.03	109.45 7.29 -4.97	88.21 4.83 0.01	70.09 2.70 0.01	60.59 2.50 0.00
GOWANUS_GT3_7 24128	45.32 2.61 -0.01	39.65 2.31 -0.01	36.16 2.18 -0.01	32.26 2.03 -0.01	33.45 2.07 -0.01	36.58 2.30 -0.01	37.38 2.74 -0.01	40.94 3.27 -0.01	44.76 3.73 -0.01	47.08 4.16 -0.02	50.66 4.01 -0.02	55.39 4.34 0.00	60.06 4.35 0.00	68.23 4.29 0.01	83.72 5.55 0.01	92.76 6.55 0.01	116.66 10.96 -1.33	148.89 13.65 -0.05	166.83 14.42 -0.67	138.32 10.82 -3.03	109.45 7.29 -4.97	88.21 4.83 0.01	70.09 2.70 0.01	60.59 2.50 0.00
GOWANUS_GT3_8 24129	45.32 2.61 -0.01	39.65 2.31 -0.01	36.16 2.18 -0.01	32.26 2.03 -0.01	33.45 2.07 -0.01	36.58 2.30 -0.01	37.38 2.74 -0.01	40.94 3.27 -0.01	44.76 3.73 -0.01	47.08 4.16 -0.02	50.66 4.01 -0.02	55.39 4.34 0.00	60.06 4.35 0.00	68.23 4.29 0.01	83.72 5.55 0.01	92.76 6.55 0.01	116.66 10.96 -1.33	148.89 13.65 -0.05	166.83 14.42 -0.67	138.32 10.82 -3.03	109.45 7.29 -4.97	88.21 4.83 0.01	70.09 2.70 0.01	60.59 2.50 0.00
GOWANUS_GT4_1 24130	45.31 2.61 0.00	39.64 2.31 0.00	36.15 2.17 0.00	32.25 2.03 0.00	33.44 2.07 0.00	36.57 2.30 0.00	37.37 2.74 0.00	40.93 3.28 0.00	44.75 3.73 0.00	47.08 4.16 -0.02	50.80 4.15 -0.02	55.50 4.44 0.00	60.33 4.62 0.00	68.30 4.35 0.00	83.80 5.63 0.00	92.77 6.55 0.00	116.66 10.96 -1.32	148.90 13.65 -0.06	166.83 14.41 -0.68	138.45 10.95 -3.04	109.36 7.19 -4.98	88.14 4.75 0.00	70.02 2.63 0.00	60.59 2.50 0.00
GOWANUS_GT4_2 24131	45.31 2.61 0.00	39.64 2.31 0.00	36.15 2.17 0.00	32.25 2.03 0.00	33.44 2.07 0.00	36.57 2.30 0.00	37.37 2.74 0.00	40.93 3.28 0.00	44.75 3.73 0.00	47.08 4.16 -0.02	50.80 4.15 -0.02	55.50 4.44 0.00	60.33 4.62 0.00	68.30 4.35 0.00	83.80 5.63 0.00	92.77 6.55 0.00	116.66 10.96 -1.32	148.90 13.65 -0.06	166.83 14.41 -0.68	138.45 10.95 -3.04	109.36 7.19 -4.98	88.14 4.75 0.00	70.02 2.63 0.00	60.59 2.50 0.00
GOWANUS_GT4_3 24132	45.31 2.61 0.00	39.64 2.31 0.00	36.15 2.17 0.00	32.25 2.03 0.00	33.44 2.07 0.00	36.57 2.30 0.00	37.37 2.74 0.00	40.93 3.28 0.00	44.75 3.73 0.00	47.08 4.16 -0.02	50.80 4.15 -0.02	55.50 4.44 0.00	60.33 4.62 0.00	68.30 4.35 0.00	83.80 5.63 0.00	92.77 6.55 0.00	116.66 10.96 -1.32	148.90 13.65 -0.06	166.83 14.41 -0.68	138.45 10.95 -3.04	109.36 7.19 -4.98	88.14 4.75 0.00	70.02 2.63 0.00	60.59 2.50 0.00
GOWANUS_GT4_4 24133	45.31 2.61 0.00	39.64 2.31 0.00	36.15 2.17 0.00	32.25 2.03 0.00	33.44 2.07 0.00	36.57 2.30 0.00	37.37 2.74 0.00	40.93 3.28 0.00	44.75 3.73 0.00	47.08 4.16 -0.02	50.80 4.15 -0.02	55.50 4.44 0.00	60.33 4.62 0.00	68.30 4.35 0.00	83.80 5.63 0.00	92.77 6.55 0.00	116.66 10.96 -1.32	148.90 13.65 -0.06	166.83 14.41 -0.68	138.45 10.95 -3.04	109.36 7.19 -4.98	88.14 4.75 0.00	70.02 2.63 0.00	60.59 2.50 0.00



GOWANUS_GT4_5 24134	45.31 2.61 0.00	39.64 2.31 0.00	36.15 2.17 0.00	32.25 2.03 0.00	33.44 2.07 0.00	36.57 2.30 0.00	37.37 2.74 0.00	40.93 3.28 0.00	44.75 3.73 0.00	47.08 4.16 -0.02	50.80 4.15 -0.02	55.50 4.44 0.00	60.33 4.62 0.00	68.30 4.35 0.00	83.80 5.63 0.00	92.77 6.55 0.00	116.66 10.96 -1.32	148.90 13.65 -0.06	166.83 14.41 -0.68	138.45 10.95 -3.04	109.36 7.19 -4.98	88.14 4.75 0.00	70.02 2.63 0.00	60.59 2.50 0.00
GOWANUS_GT4_6 24135	45.31 2.61 0.00	39.64 2.31 0.00	36.15 2.17 0.00	32.25 2.03 0.00	33.44 2.07 0.00	36.57 2.30 0.00	37.37 2.74 0.00	40.93 3.28 0.00	44.75 3.73 0.00	47.08 4.16 -0.02	50.80 4.15 -0.02	55.50 4.44 0.00	60.33 4.62 0.00	68.30 4.35 0.00	83.80 5.63 0.00	92.77 6.55 0.00	116.66 10.96 -1.32	148.90 13.65 -0.06	166.83 14.41 -0.68	138.45 10.95 -3.04	109.36 7.19 -4.98	88.14 4.75 0.00	70.02 2.63 0.00	60.59 2.50 0.00
GOWANUS_GT4_7 24136	45.31 2.61 0.00	39.64 2.31 0.00	36.15 2.17 0.00	32.25 2.03 0.00	33.44 2.07 0.00	36.57 2.30 0.00	37.37 2.74 0.00	40.93 3.28 0.00	44.75 3.73 0.00	47.08 4.16 -0.02	50.80 4.15 -0.02	55.50 4.44 0.00	60.33 4.62 0.00	68.30 4.35 0.00	83.80 5.63 0.00	92.77 6.55 0.00	116.66 10.96 -1.32	148.90 13.65 -0.06	166.83 14.41 -0.68	138.45 10.95 -3.04	109.36 7.19 -4.98	88.14 4.75 0.00	70.02 2.63 0.00	60.59 2.50 0.00
GOWANUS_GT4_8 24137	45.31 2.61 0.00	39.64 2.31 0.00	36.15 2.17 0.00	32.25 2.03 0.00	33.44 2.07 0.00	36.57 2.30 0.00	37.37 2.74 0.00	40.93 3.28 0.00	44.75 3.73 0.00	47.08 4.16 -0.02	50.80 4.15 -0.02	55.50 4.44 0.00	60.33 4.62 0.00	68.30 4.35 0.00	83.80 5.63 0.00	92.77 6.55 0.00	116.66 10.96 -1.32	148.90 13.65 -0.06	166.83 14.41 -0.68	138.45 10.95 -3.04	109.36 7.19 -4.98	88.14 4.75 0.00	70.02 2.63 0.00	60.59 2.50 0.00
GREATVRV_69_KV_BK1 356245	46.30 3.59 0.00	40.35 3.02 0.00	36.76 2.79 0.00	32.85 2.63 0.00	34.04 2.67 0.00	37.16 2.88 0.00	37.72 3.08 0.00	41.72 4.07 0.00	45.66 4.64 0.00	47.23 4.33 0.00	50.40 3.78 0.01	55.27 4.54 0.33	60.53 5.01 0.19	69.20 5.24 0.00	84.26 6.25 0.17	94.15 7.93 0.00	120.74 15.03 -1.34	175.55 19.33 -21.03	187.78 20.64 -15.41	143.57 16.06 -3.05	110.92 8.75 -4.97	87.85 5.50 1.04	64.89 4.18 6.69	54.67 3.08 6.51
GREENBSH_115KV_TB3 55895	42.67 -0.04 0.00	37.40 0.07 0.00	34.35 0.37 0.00	30.71 0.48 0.00	31.81 0.44 0.00	34.72 0.45 0.00	35.26 0.62 0.00	38.41 0.75 0.00	41.72 0.70 0.00	43.54 0.64 0.00	47.24 0.61 0.00	51.62 0.56 0.00	56.43 0.72 0.00	64.72 0.77 0.00	78.96 0.78 0.00	87.08 0.86 0.00	83.01 2.40 23.77	137.44 3.24 1.00	143.06 3.49 12.16	143.52 2.24 -16.81	126.09 1.36 -27.53	84.14 0.75 0.00	67.53 0.13 0.00	58.27 0.17 0.00
GREENDGE_115KV_TB5 80291	43.31 0.60 0.00	37.85 0.52 0.00	34.25 0.27 0.00	30.53 0.30 0.00	31.66 0.28 0.00	34.59 0.31 0.00	35.36 0.73 0.00	38.07 0.41 0.00	41.76 0.74 0.00	43.63 0.73 0.00	47.52 0.89 0.00	52.48 1.43 0.00	56.88 1.17 0.00	65.87 1.92 0.00	80.52 2.35 0.00	89.49 3.28 0.00	107.61 3.24 0.00	139.38 4.19 0.00	157.05 5.31 0.00	130.34 5.10 -0.77	101.76 3.30 -1.26	85.81 2.42 0.00	68.88 1.48 0.00	59.20 1.10 0.00
GREENIDGE___3 23582	43.31 0.60 0.00	37.85 0.52 0.00	34.25 0.27 0.00	30.53 0.30 0.00	31.66 0.28 0.00	34.59 0.31 0.00	35.36 0.73 0.00	38.07 0.41 0.00	41.76 0.74 0.00	43.63 0.73 0.00	47.52 0.89 0.00	52.48 1.43 0.00	56.88 1.17 0.00	65.87 1.92 0.00	80.52 2.35 0.00	89.49 3.28 0.00	107.61 3.24 0.00	139.38 4.19 0.00	157.05 5.31 0.00	130.34 5.10 -0.77	101.76 3.30 -1.26	85.81 2.42 0.00	68.88 1.48 0.00	59.20 1.10 0.00
GREENIDGE___4 23583	43.31 0.60 0.00	37.85 0.52 0.00	34.25 0.27 0.00	30.53 0.30 0.00	31.69 0.31 0.00	34.62 0.34 0.00	35.36 0.73 0.00	38.07 0.41 0.00	41.76 0.74 0.00	43.63 0.73 0.00	47.70 1.07 0.00	52.69 1.63 0.00	57.21 1.50 0.00	65.94 1.98 0.00	80.52 2.34 0.00	89.57 3.36 0.00	107.71 3.34 0.00	139.38 4.20 0.00	157.04 5.31 0.00	130.46 5.23 -0.77	101.76 3.31 -1.26	85.97 2.59 0.00	68.95 1.55 0.00	59.26 1.16 0.00
GREENLWN_69_KV_BK 3 55738	45.10 2.39 0.00	39.42 2.09 0.00	35.92 1.94 0.00	32.10 1.87 0.00	33.26 1.88 0.00	36.33 2.06 0.00	36.92 2.29 0.00	40.78 3.13 0.00	44.63 3.61 0.00	46.16 3.26 0.00	48.90 2.28 0.01	52.93 2.71 0.83	57.83 3.01 0.88	67.02 3.07 0.00	81.39 3.99 0.77	91.30 5.09 0.00	116.44 10.75 -1.32	117.01 13.92 32.10	144.33 14.26 21.67	138.32 10.83 -3.02	107.32 5.15 -4.97	83.44 2.67 2.61	62.40 1.82 6.81	52.45 1.05 6.69
GREENWD_138_KV_38B11_REV_LBMP_J 345004	45.31 2.61 0.00	39.64 2.31 0.00	36.15 2.17 0.00	32.25 2.03 0.00	33.44 2.07 0.00	36.57 2.30 0.00	37.37 2.74 0.00	40.93 3.28 0.00	44.75 3.73 0.00	47.08 4.16 -0.02	50.80 4.15 -0.02	55.50 4.44 0.00	60.33 4.62 0.00	68.30 4.35 0.00	83.80 5.63 0.00	92.77 6.55 0.00	116.67 10.96 -1.33	148.90 13.65 -0.06	166.83 14.41 -0.68	138.45 10.95 -3.04	109.36 7.19 -4.98	88.14 4.75 0.00	70.02 2.63 0.00	60.59 2.50 0.00
GRISSOM___SOLAR 323813	45.78 3.08 0.00	40.01 2.69 0.00	36.46 2.48 0.00	32.46 2.24 0.00	33.73 2.35 0.00	36.95 2.68 0.00	37.41 2.77 0.00	40.40 2.75 0.00	43.93 2.91 0.00	45.69 2.79 0.00	49.66 3.03 0.00	54.48 3.42 0.00	59.66 3.96 0.00	68.24 4.29 0.00	83.49 5.32 0.00	92.43 6.21 0.00	115.45 8.24 -2.84	147.21 11.90 -0.12	168.21 15.03 -1.45	169.09 13.45 -31.19	158.76 10.50 -51.06	91.98 8.59 0.00	73.66 6.27 0.00	63.09 5.00 0.00
GROVEVILLE___HYD 323602	44.59 1.88 0.00	39.00 1.68 0.00	35.61 1.63 0.00	31.80 1.57 0.00	32.94 1.57 0.00	36.09 1.82 0.00	36.85 2.22 0.00	40.25 2.60 0.00	43.85 2.83 0.00	45.99 3.09 0.00	49.85 3.22 0.00	54.58 3.52 0.00	59.72 4.01 0.00	68.49 4.54 0.00	83.88 5.71 0.00	92.85 6.64 0.00	116.14 10.65 -1.12	149.03 13.79 -0.05	167.48 15.17 -0.57	139.20 11.57 -3.17	110.15 7.78 -5.18	88.89 5.50 0.00	70.76 3.37 0.00	61.00 2.90 0.00
GRS_LOCK_115KV_LINE_2_SOLVAY 80269	42.75 0.04 0.00	37.36 0.04 0.00	33.94 -0.03 0.00	30.22 0.00 0.00	31.37 0.00 0.00	34.31 0.03 0.00	34.88 0.24 0.00	37.88 0.23 0.00	41.43 0.41 0.00	43.37 0.47 0.00	47.19 0.56 0.00	51.87 0.82 0.00	56.60 0.89 0.00	65.23 1.28 0.00	79.74 1.56 0.00	88.37 2.16 0.00	107.30 2.92 0.00	143.86 3.79 -4.89	163.15 4.40 -7.02	131.84 3.73 -3.64	99.72 2.53 0.00	84.72 1.33 0.00	68.07 0.67 0.00	58.62 0.52 0.00
HAMLTNNY_34_KV_TB 80303	42.92 0.21 0.00	37.47 0.15 0.00	34.05 0.07 0.00	30.31 0.09 0.00	31.47 0.09 0.00	34.38 0.10 0.00	34.98 0.35 0.00	37.95 0.30 0.00	41.51 0.49 0.00	43.50 0.60 0.00	47.38 0.75 0.00	52.13 1.07 0.00	56.88 1.17 0.00	65.61 1.66 0.00	80.21 2.03 0.00	88.97 2.76 0.00	108.03 3.65 0.00	144.02 4.60 -4.24	163.29 5.46 -6.09	132.23 4.61 -3.16	100.40 3.21 0.00	85.14 1.75 0.00	68.47 1.08 0.00	58.91 0.81 0.00



HAMPSHIRE___PAPER_HYD 323593	43.39 0.68 0.00	37.81 0.48 0.00	34.28 0.31 0.00	30.38 0.15 0.00	31.47 0.09 0.00	34.48 0.21 0.00	34.81 0.17 0.00	37.69 0.04 0.00	40.90 -0.12 0.00	42.56 -0.34 0.00	46.12 -0.51 0.00	49.98 -1.07 0.00	54.43 -1.28 0.00	62.10 -1.86 0.00	75.99 -2.19 0.00	83.89 -2.32 0.00	97.33 -3.86 3.18	271.69 -3.92 -140.43	230.00 -3.64 -81.91	228.24 -1.00 -104.78	96.52 -0.68 0.00	84.22 0.83 0.00	68.27 0.87 0.00	58.79 0.70 0.00
HARDSCRABBLE_WT_PWR 323673	41.73 -0.98 0.00	36.47 -0.86 0.00	33.20 -0.78 0.00	29.53 -0.69 0.00	30.68 -0.69 0.00	33.59 -0.69 0.00	34.05 -0.59 0.00	37.09 -0.56 0.00	40.41 -0.61 0.00	42.30 -0.60 0.00	45.93 -0.70 0.00	50.29 -0.76 0.00	54.87 -0.83 0.00	62.99 -0.96 0.00	77.08 -1.09 0.00	85.18 -1.03 0.00	104.85 -1.36 -1.83	138.35 -1.22 -4.37	156.80 -1.22 -6.28	126.60 -1.12 -3.26	96.13 -1.07 0.00	82.47 -0.92 0.00	66.31 -1.08 0.00	56.99 -1.11 0.00
HARRIMAN_69_KV_BK771_REV_LBMP_G 345025	44.37 1.67 0.00	38.82 1.49 0.00	35.44 1.46 0.00	31.61 1.39 0.00	32.78 1.41 0.00	35.89 1.61 0.00	36.65 2.01 0.00	40.03 2.37 0.00	43.65 2.63 0.00	45.77 2.87 0.00	49.61 2.98 0.00	54.32 3.27 0.00	59.38 3.68 0.00	68.11 4.16 0.00	83.41 5.24 0.00	92.34 6.12 0.00	115.52 10.02 -1.13	148.08 12.84 -0.05	166.27 13.96 -0.57	137.90 10.58 -2.85	108.86 7.00 -4.67	88.14 4.75 0.00	70.16 2.76 0.00	60.53 2.44 0.00
HARSNRAD_115KV_TB1 81005	41.64 -1.07 0.00	36.77 -0.56 0.00	33.16 -0.82 0.00	29.77 -0.45 0.00	30.65 -0.72 0.00	33.39 -0.89 0.00	33.87 -0.76 0.00	35.73 -1.92 0.00	39.63 -1.39 0.00	41.48 -1.42 0.00	45.28 -1.35 0.00	50.29 -0.77 0.00	54.87 -0.84 0.00	63.50 -0.45 0.00	77.16 -1.02 0.00	86.56 0.34 0.00	104.58 0.21 0.00	133.30 -1.89 0.00	149.91 -1.82 0.00	123.09 -1.37 0.00	95.44 -1.75 0.00	79.80 -3.59 0.00	64.97 -2.43 0.00	56.35 -1.74 0.00
HARZA MOOSE___RIVER 24016	43.69 0.98 0.00	38.15 0.82 0.00	34.62 0.65 0.00	30.77 0.54 0.00	32.00 0.63 0.00	35.13 0.86 0.00	35.61 0.97 0.00	38.67 1.02 0.00	42.09 1.07 0.00	43.80 0.90 0.00	47.52 0.89 0.00	51.92 0.87 0.00	56.60 0.89 0.00	64.91 0.96 0.00	79.50 1.33 0.00	87.77 1.55 0.00	106.46 2.09 0.00	178.19 3.92 -39.08	213.03 5.16 -56.14	159.59 5.97 -29.16	101.08 3.89 0.00	87.14 3.75 0.00	69.96 2.56 0.00	60.01 1.92 0.00
HDSNBRDG_115KV_BRDG_TB1 355580	42.45 -0.26 0.00	37.10 -0.22 0.00	33.74 -0.24 0.00	30.04 -0.18 0.00	31.18 -0.19 0.00	34.07 -0.21 0.00	34.64 0.00 0.00	37.62 -0.04 0.00	41.14 0.12 0.00	43.07 0.17 0.00	46.91 0.28 0.00	51.56 0.51 0.00	56.27 0.56 0.00	64.78 0.83 0.00	79.19 1.02 0.00	87.77 1.55 0.00	106.56 2.19 0.00	143.46 2.70 -5.56	162.92 3.19 -7.99	131.23 2.61 -4.15	98.94 1.75 0.00	84.05 0.67 0.00	67.53 0.13 0.00	58.15 0.06 0.00
HELLGATE_13_KV_LD 55870	45.27 2.56 0.00	39.68 2.35 0.00	36.22 2.24 0.00	32.31 2.09 0.00	33.54 2.16 0.00	36.68 2.40 0.00	37.51 2.87 0.00	41.12 3.46 0.00	44.92 3.90 0.00	47.16 4.25 -0.02	50.98 4.34 -0.02	55.80 4.75 0.00	60.67 4.96 0.00	68.62 4.67 0.00	84.12 5.94 0.00	93.20 6.98 0.00	117.08 11.38 -1.33	149.44 14.19 -0.06	167.43 15.02 -0.68	138.83 11.33 -3.04	109.65 7.48 -4.98	88.22 4.84 0.00	70.16 2.76 0.00	60.77 2.67 0.00
HELLGT_W_13_KV_BRUCKNER_REV_LBMP_J 345018	45.27 2.56 0.00	39.68 2.35 0.00	36.22 2.24 0.00	32.31 2.09 0.00	33.54 2.16 0.00	36.68 2.40 0.00	37.51 2.87 0.00	41.12 3.46 0.00	44.92 3.90 0.00	47.16 4.25 -0.02	50.98 4.34 -0.02	55.80 4.75 0.00	60.67 4.96 0.00	68.62 4.67 0.00	84.12 5.94 0.00	93.20 6.98 0.00	117.08 11.38 -1.33	149.44 14.19 -0.06	167.43 15.02 -0.68	138.83 11.33 -3.04	109.65 7.48 -4.98	88.22 4.84 0.00	70.16 2.76 0.00	60.77 2.67 0.00
HEMPSTEAD____ 23647	45.10 2.39 0.00	39.45 2.13 0.00	35.98 2.00 0.00	32.16 1.94 0.00	33.25 1.88 0.00	36.40 2.13 0.00	37.06 2.42 0.00	40.82 3.16 0.00	44.67 3.65 0.00	46.46 3.56 0.00	49.80 3.17 0.00	54.68 3.63 0.00	59.61 3.90 0.00	67.92 3.97 0.00	83.11 4.93 -0.01	92.59 6.38 0.00	117.70 12.00 -1.33	150.39 15.14 -0.06	168.50 16.08 -0.69	139.45 11.95 -3.04	109.17 7.00 -4.98	88.23 4.83 -0.01	68.61 2.96 1.75	58.55 2.15 1.69
HICKLING___1 23621	43.18 0.47 0.00	37.85 0.52 0.00	34.22 0.24 0.00	30.53 0.30 0.00	31.62 0.25 0.00	34.55 0.27 0.00	35.26 0.62 0.00	37.80 0.15 0.00	41.51 0.49 0.00	43.46 0.56 0.00	47.28 0.65 0.00	52.38 1.33 0.00	57.05 1.34 0.00	66.06 2.11 0.00	80.60 2.42 0.00	90.01 3.79 0.00	109.38 5.01 0.00	141.27 6.08 0.00	158.87 7.13 0.00	131.93 6.47 -1.00	103.20 4.37 -1.63	85.47 2.08 0.00	68.68 1.28 0.00	59.26 1.16 0.00
HICKLING___2 23622	43.18 0.47 0.00	37.85 0.52 0.00	34.22 0.24 0.00	30.53 0.30 0.00	31.62 0.25 0.00	34.55 0.27 0.00	35.26 0.62 0.00	37.80 0.15 0.00	41.51 0.49 0.00	43.46 0.56 0.00	47.28 0.65 0.00	52.38 1.33 0.00	57.05 1.34 0.00	66.06 2.11 0.00	80.60 2.42 0.00	90.01 3.79 0.00	109.38 5.01 0.00	141.27 6.08 0.00	158.87 7.13 0.00	131.93 6.47 -1.00	103.20 4.37 -1.63	85.47 2.08 0.00	68.68 1.28 0.00	59.26 1.16 0.00
HIGH FALLS___HY 23754	44.67 1.96 0.00	39.00 1.68 0.00	35.58 1.60 0.00	31.74 1.51 0.00	32.91 1.54 0.00	36.06 1.78 0.00	36.82 2.18 0.00	40.21 2.56 0.00	43.85 2.83 0.00	45.94 3.09 0.05	49.85 3.22 0.00	54.58 3.52 0.00	59.66 3.96 0.00	68.56 4.60 0.00	83.33 5.78 0.63	91.87 6.81 1.15	113.94 10.96 1.39	149.33 14.19 0.06	166.80 15.78 0.71	141.14 12.32 -4.35	112.68 8.36 -7.13	89.22 5.84 0.00	70.97 3.57 0.00	61.11 3.02 0.00
HIGH_RIVER___SOLAR 323847	44.54 1.84 0.00	38.97 1.64 0.00	35.54 1.56 0.00	31.64 1.42 0.00	32.88 1.51 0.00	35.96 1.68 0.00	36.40 1.77 0.00	39.31 1.65 0.00	42.62 1.60 0.00	44.27 1.37 0.00	48.08 1.45 0.00	52.69 1.63 0.00	57.71 2.00 0.00	66.00 2.05 0.00	80.52 2.34 0.00	88.97 2.76 0.00	111.75 4.38 -3.00	142.21 6.89 -0.13	162.68 9.41 -1.53	165.98 8.58 -32.94	157.83 6.70 -53.94	88.73 5.34 0.00	71.17 3.77 0.00	61.11 3.02 0.00
HILLBURN___GT 23639	44.37 1.66 0.00	38.86 1.53 0.00	35.47 1.49 0.00	31.64 1.42 0.00	32.82 1.44 0.00	35.92 1.65 0.00	36.68 2.04 0.00	40.10 2.45 0.00	43.73 2.71 0.00	45.90 3.00 0.00	49.66 3.03 0.00	54.32 3.27 0.00	59.28 3.57 0.00	67.92 3.97 0.00	83.18 5.01 0.00	92.16 5.94 0.00	115.35 9.81 -1.17	147.67 12.43 -0.05	165.53 13.19 -0.60	137.32 9.96 -2.89	108.54 6.61 -4.74	87.80 4.42 0.00	69.82 2.42 0.00	60.30 2.21 0.00
HILLSIDE_115KV_TB1 80332	42.62 -0.09 0.00	37.36 0.04 0.00	33.84 -0.14 0.00	30.19 -0.03 0.00	31.28 -0.09 0.00	34.17 -0.10 0.00	34.84 0.21 0.00	37.35 -0.30 0.00	41.02 0.00 0.00	42.90 0.00 0.00	46.68 0.05 0.00	51.67 0.61 0.00	56.21 0.50 0.00	64.98 1.02 0.00	79.35 1.17 0.00	88.46 2.24 0.00	107.61 3.24 0.00	138.84 3.65 0.00	155.98 4.25 0.00	129.23 3.73 -1.04	101.23 2.33 -1.70	83.97 0.58 0.00	67.53 0.13 0.00	58.38 0.29 0.00



HISHELDN_WT_PWR 323625	41.81 -0.90 0.00	36.80 -0.52 0.00	33.13 -0.85 0.00	29.68 -0.54 0.00	30.65 -0.72 0.00	33.32 -0.96 0.00	34.01 -0.62 0.00	35.96 -1.69 0.00	39.79 -1.23 0.00	41.65 -1.25 0.00	45.79 -0.84 0.00	50.75 -0.30 0.00	55.93 0.22 0.00	64.14 0.19 0.00	77.94 -0.23 0.00	87.77 1.55 0.00	106.25 1.88 0.00	135.87 0.68 0.00	153.10 1.36 0.00	126.33 1.87 0.00	97.88 0.69 0.00	82.14 -1.25 0.00	66.31 -1.08 0.00	57.11 -0.99 0.00
HOLTSVILLE_IC_1 23690	45.36 2.65 0.00	39.68 2.35 0.00	36.16 2.18 0.00	32.37 2.15 0.00	33.41 2.04 0.00	36.54 2.26 0.00	37.10 2.46 0.00	41.04 3.39 0.00	44.84 3.82 0.00	46.20 3.30 0.00	49.04 2.42 0.01	53.78 3.01 0.29	58.74 3.29 0.26	66.89 2.94 0.00	81.62 3.68 0.23	91.65 5.43 0.00	117.61 11.89 -1.34	175.80 15.27 -25.34	186.25 16.08 -18.44	139.58 12.07 -3.05	108.48 6.31 -4.97	86.49 4.00 0.90	62.68 2.36 7.07	52.85 1.62 6.87
HOLTSVILLE_IC_10 23699	45.61 2.91 0.00	39.86 2.54 0.00	36.32 2.34 0.00	32.52 2.30 0.00	33.57 2.20 0.00	36.71 2.43 0.00	37.27 2.63 0.00	41.23 3.58 0.00	45.08 4.06 0.00	46.50 3.60 0.00	49.42 2.80 0.01	54.15 3.47 0.37	59.22 3.84 0.33	67.34 3.39 0.00	82.18 4.30 0.29	92.34 6.12 0.00	118.88 13.15 -1.35	195.23 16.90 -43.15	200.59 17.90 -30.95	141.09 13.57 -3.06	109.55 7.38 -4.97	87.05 4.83 1.17	63.38 2.96 6.98	53.39 2.09 6.79
HOLTSVILLE_IC_2 23691	45.36 2.65 0.00	39.68 2.35 0.00	36.16 2.18 0.00	32.37 2.15 0.00	33.41 2.04 0.00	36.54 2.26 0.00	37.10 2.46 0.00	41.04 3.39 0.00	44.84 3.82 0.00	46.20 3.30 0.00	49.04 2.42 0.01	53.78 3.01 0.29	58.74 3.29 0.26	66.89 2.94 0.00	81.62 3.68 0.23	91.65 5.43 0.00	117.61 11.89 -1.34	175.80 15.27 -25.34	186.25 16.08 -18.44	139.58 12.07 -3.05	108.48 6.31 -4.97	86.49 4.00 0.90	62.68 2.36 7.07	52.85 1.62 6.87
HOLTSVILLE_IC_3 23692	45.36 2.65 0.00	39.68 2.35 0.00	36.16 2.18 0.00	32.37 2.15 0.00	33.41 2.04 0.00	36.54 2.26 0.00	37.10 2.46 0.00	41.04 3.39 0.00	44.84 3.82 0.00	46.20 3.30 0.00	49.04 2.42 0.01	53.78 3.01 0.29	58.74 3.29 0.26	66.89 2.94 0.00	81.62 3.68 0.23	91.65 5.43 0.00	117.61 11.89 -1.34	175.80 15.27 -25.34	186.25 16.08 -18.44	139.58 12.07 -3.05	108.48 6.31 -4.97	86.49 4.00 0.90	62.68 2.36 7.07	52.85 1.62 6.87
HOLTSVILLE_IC_4 23693	45.36 2.65 0.00	39.68 2.35 0.00	36.16 2.18 0.00	32.37 2.15 0.00	33.41 2.04 0.00	36.54 2.26 0.00	37.10 2.46 0.00	41.04 3.39 0.00	44.84 3.82 0.00	46.20 3.30 0.00	49.04 2.42 0.01	53.78 3.01 0.29	58.74 3.29 0.26	66.89 2.94 0.00	81.62 3.68 0.23	91.65 5.43 0.00	117.61 11.89 -1.34	175.80 15.27 -25.34	186.25 16.08 -18.44	139.58 12.07 -3.05	108.48 6.31 -4.97	86.49 4.00 0.90	62.68 2.36 7.07	52.85 1.62 6.87
HOLTSVILLE_IC_5 23694	45.36 2.65 0.00	39.68 2.35 0.00	36.16 2.18 0.00	32.37 2.15 0.00	33.41 2.04 0.00	36.54 2.26 0.00	37.10 2.46 0.00	41.04 3.39 0.00	44.84 3.82 0.00	46.20 3.30 0.00	49.04 2.42 0.01	53.78 3.01 0.29	58.74 3.29 0.26	66.89 2.94 0.00	81.62 3.68 0.23	91.65 5.43 0.00	117.61 11.89 -1.34	175.80 15.27 -25.34	186.25 16.08 -18.44	139.58 12.07 -3.05	108.48 6.31 -4.97	86.49 4.00 0.90	62.68 2.36 7.07	52.85 1.62 6.87
HOLTSVILLE_IC_6 23695	45.61 2.91 0.00	39.86 2.54 0.00	36.32 2.34 0.00	32.52 2.30 0.00	33.57 2.20 0.00	36.71 2.43 0.00	37.27 2.63 0.00	41.23 3.58 0.00	45.08 4.06 0.00	46.50 3.60 0.00	49.42 2.80 0.01	54.15 3.47 0.37	59.22 3.84 0.33	67.34 3.39 0.00	82.18 4.30 0.29	92.34 6.12 0.00	118.88 13.15 -1.35	195.23 16.90 -43.15	200.59 17.90 -30.95	141.09 13.57 -3.06	109.55 7.38 -4.97	87.05 4.83 1.17	63.38 2.96 6.98	53.39 2.09 6.79
HOLTSVILLE_IC_7 23696	45.61 2.91 0.00	39.86 2.54 0.00	36.32 2.34 0.00	32.52 2.30 0.00	33.57 2.20 0.00	36.71 2.43 0.00	37.27 2.63 0.00	41.23 3.58 0.00	45.08 4.06 0.00	46.50 3.60 0.00	49.42 2.80 0.01	54.15 3.47 0.37	59.22 3.84 0.33	67.34 3.39 0.00	82.18 4.30 0.29	92.34 6.12 0.00	118.88 13.15 -1.35	195.23 16.90 -43.15	200.59 17.90 -30.95	141.09 13.57 -3.06	109.55 7.38 -4.97	87.05 4.83 1.17	63.38 2.96 6.98	53.39 2.09 6.79
HOLTSVILLE_IC_8 23697	45.61 2.91 0.00	39.86 2.54 0.00	36.32 2.34 0.00	32.52 2.30 0.00	33.57 2.20 0.00	36.71 2.43 0.00	37.27 2.63 0.00	41.23 3.58 0.00	45.08 4.06 0.00	46.50 3.60 0.00	49.42 2.80 0.01	54.15 3.47 0.37	59.22 3.84 0.33	67.34 3.39 0.00	82.18 4.30 0.29	92.34 6.12 0.00	118.88 13.15 -1.35	195.23 16.90 -43.15	200.59 17.90 -30.95	141.09 13.57 -3.06	109.55 7.38 -4.97	87.05 4.83 1.17	63.38 2.96 6.98	53.39 2.09 6.79
HOLTSVILLE_IC_9 23698	45.61 2.91 0.00	39.86 2.54 0.00	36.32 2.34 0.00	32.52 2.30 0.00	33.57 2.20 0.00	36.71 2.43 0.00	37.27 2.63 0.00	41.23 3.58 0.00	45.08 4.06 0.00	46.50 3.60 0.00	49.42 2.80 0.01	54.15 3.47 0.37	59.22 3.84 0.33	67.34 3.39 0.00	82.18 4.30 0.29	92.34 6.12 0.00	118.88 13.15 -1.35	195.23 16.90 -43.15	200.59 17.90 -30.95	141.09 13.57 -3.06	109.55 7.38 -4.97	87.05 4.83 1.17	63.38 2.96 6.98	53.39 2.09 6.79
HOMER_HL_115KV_TB2 355744	41.60 -1.11 0.00	36.58 -0.75 0.00	32.93 -1.05 0.00	29.50 -0.73 0.00	30.40 -0.97 0.00	33.18 -1.10 0.00	33.94 -0.69 0.00	35.96 -1.69 0.00	39.83 -1.19 0.00	41.74 -1.16 0.00	45.56 -1.07 0.00	50.34 -0.71 0.00	55.37 -0.33 0.00	64.27 0.32 0.00	78.17 0.00 0.00	87.94 1.72 0.00	106.98 2.61 0.00	136.68 1.49 0.00	153.56 1.82 0.00	126.33 1.87 0.00	97.68 0.49 0.00	81.64 -1.75 0.00	65.91 -1.48 0.00	57.11 -0.99 0.00
HOWARD_WT_PWR 323690	42.71 0.00 0.00	37.40 0.07 0.00	33.71 -0.27 0.00	30.10 -0.12 0.00	31.19 -0.19 0.00	34.04 -0.24 0.00	34.85 0.21 0.00	37.13 -0.53 0.00	40.86 -0.16 0.00	42.73 -0.17 0.00	46.86 0.23 0.00	51.72 0.66 0.00	56.71 1.00 0.00	65.23 1.28 0.00	79.35 1.17 0.00	89.15 2.93 0.00	108.12 3.75 0.00	139.38 4.20 0.00	157.50 5.76 0.00	131.38 6.10 -0.82	102.61 4.08 -1.34	85.05 1.67 0.00	68.27 0.87 0.00	58.62 0.52 0.00
HQ_GEN_CEDARS 23644	43.01 0.30 0.00	37.47 0.15 0.00	33.98 0.00 0.00	30.07 -0.15 0.00	31.18 -0.19 0.00	34.00 -0.27 0.00	34.12 -0.52 0.00	36.90 -0.75 0.00	40.04 -0.98 0.00	41.74 -1.16 0.00	45.42 -1.21 0.00	49.37 -1.68 0.00	54.20 -1.50 0.00	62.10 -1.85 0.00	75.91 -2.27 0.00	83.37 -2.85 0.00	91.57 -6.47 6.34	91.98 -7.84 35.37	91.98 -8.95 50.80	91.98 -6.10 26.39	93.79 -3.40 0.00	81.80 -1.58 0.00	67.13 -0.27 0.00	57.98 -0.12 0.00
HQ_GEN_CEDARS_PROXY 323590	43.01 0.30 0.00	37.47 0.15 0.00	33.98 0.00 0.00	30.07 -0.15 0.00	31.19 -0.19 0.00	34.00 -0.28 0.00	34.12 -0.52 0.00	36.90 -0.75 0.00	40.04 -0.98 0.00	41.74 -1.16 0.00	45.42 -1.21 0.00	49.32 -1.74 0.00	54.09 -1.62 0.00	62.10 -1.86 0.00	75.91 -2.27 0.00	83.19 -3.02 0.00	91.98 -6.06 6.34	91.98 -7.84 35.37	91.98 -8.95 50.80	91.98 -6.10 26.39	90.23 -3.49 3.46	85.26 -1.59 -3.46	67.06 -0.34 0.00	57.98 -0.12 0.00



HQ_GEN_IMPORT 323601	42.75 0.04 0.00	37.32 0.00 0.00	33.88 -0.10 0.00	30.04 -0.18 0.00	31.22 -0.16 0.00	34.07 -0.20 0.00	34.19 -0.45 0.00	37.13 -0.53 0.00	40.36 -0.66 0.00	42.17 -0.73 0.00	45.84 -0.79 0.00	50.14 -0.92 0.00	54.59 -1.11 0.00	62.67 -1.28 0.00	76.61 -1.56 0.00	90.40 -2.07 -6.26	90.41 -3.66 10.31	120.89 -4.74 9.57	132.83 -5.16 13.74	113.34 -3.99 7.14	90.41 -2.62 4.16	76.57 -1.34 5.48	76.57 -0.47 -9.64	57.80 -0.29 0.00
HQ_GEN_WHEEL 23651	42.75 0.04 0.00	37.32 0.00 0.00	33.88 -0.10 0.00	30.04 -0.18 0.00	31.22 -0.16 0.00	34.07 -0.20 0.00	34.19 -0.45 0.00	37.13 -0.53 0.00	40.36 -0.66 0.00	42.17 -0.73 0.00	45.84 -0.79 0.00	50.14 -0.92 0.00	54.59 -1.11 0.00	62.67 -1.28 0.00	76.61 -1.56 0.00	90.40 -2.07 -6.26	90.41 -3.66 10.31	120.89 -4.74 9.57	132.83 -5.16 13.74	113.34 -3.99 7.14	90.41 -2.62 4.16	76.57 -1.34 5.48	76.57 -0.47 -9.64	57.80 -0.29 0.00
HUDSON AVE_GT_3 23810	44.97 2.26 0.00	39.38 2.05 0.00	35.92 1.94 0.00	32.07 1.84 0.00	33.26 1.88 0.00	36.37 2.09 0.00	37.23 2.60 0.00	40.82 3.16 0.00	44.63 3.61 0.00	46.90 3.99 -0.01	50.75 4.10 -0.01	55.39 4.34 0.00	60.33 4.62 0.00	68.88 4.92 0.00	84.51 6.33 0.00	93.54 7.33 0.00	117.60 11.90 -1.33	149.98 14.74 -0.06	167.89 15.48 -0.68	139.32 11.82 -3.04	109.94 7.78 -4.98	88.56 5.17 0.00	70.43 3.03 0.00	60.88 2.79 0.00
HUDSON AVE_GT_4 23540	44.97 2.26 0.00	39.38 2.05 0.00	35.92 1.94 0.00	32.07 1.84 0.00	33.26 1.88 0.00	36.37 2.09 0.00	37.23 2.60 0.00	40.82 3.16 0.00	44.63 3.61 0.00	46.90 3.99 -0.01	50.75 4.10 -0.01	55.39 4.34 0.00	60.33 4.62 0.00	68.88 4.92 0.00	84.51 6.33 0.00	93.54 7.33 0.00	117.60 11.90 -1.33	149.98 14.74 -0.06	167.89 15.48 -0.68	139.32 11.82 -3.04	109.94 7.78 -4.98	88.56 5.17 0.00	70.43 3.03 0.00	60.88 2.79 0.00
HUDSON AVE_GT_5 23657	44.97 2.26 0.00	39.38 2.05 0.00	35.92 1.94 0.00	32.07 1.84 0.00	33.26 1.88 0.00	36.37 2.09 0.00	37.23 2.60 0.00	40.82 3.16 0.00	44.63 3.61 0.00	46.90 3.99 -0.01	50.75 4.10 -0.01	55.39 4.34 0.00	60.33 4.62 0.00	68.88 4.92 0.00	84.51 6.33 0.00	93.54 7.33 0.00	117.60 11.90 -1.33	149.98 14.74 -0.06	167.89 15.48 -0.68	139.32 11.82 -3.04	109.94 7.78 -4.98	88.56 5.17 0.00	70.43 3.03 0.00	60.88 2.79 0.00
HUDSON_AVE_10 24168	44.84 2.14 0.00	39.27 1.94 0.00	35.85 1.87 0.00	31.98 1.75 0.00	33.19 1.82 0.00	36.30 2.02 0.00	37.13 2.49 0.00	40.74 3.09 0.00	44.55 3.53 0.00	46.82 3.90 -0.01	50.61 3.96 -0.01	55.24 4.19 0.00	60.16 4.46 0.00	68.68 4.73 0.00	84.19 6.02 0.00	93.28 7.07 0.00	117.29 11.59 -1.33	149.71 14.47 -0.06	167.59 15.17 -0.68	138.95 11.45 -3.04	109.75 7.58 -4.98	88.31 4.92 0.00	70.29 2.90 0.00	60.77 2.67 0.00
HUDSON___115KV_TB 4 355613	43.35 0.64 0.00	37.96 0.63 0.00	34.79 0.82 0.00	31.07 0.85 0.00	32.19 0.82 0.00	35.20 0.93 0.00	35.74 1.11 0.00	38.86 1.20 0.00	42.09 1.07 0.00	43.83 1.12 0.19	47.38 0.75 0.00	51.82 0.77 0.00	56.77 1.06 0.00	65.17 1.22 0.00	77.59 1.80 2.38	83.93 2.07 4.36	92.09 4.28 16.57	140.71 6.22 0.69	150.84 7.59 8.48	143.22 4.98 -13.78	123.25 3.50 -22.56	86.14 2.75 0.00	69.01 1.62 0.00	59.37 1.28 0.00
HUNTER MOUNT___DRP 323613	43.31 0.60 0.00	37.88 0.56 0.00	34.76 0.78 0.00	31.01 0.79 0.00	32.16 0.78 0.00	35.17 0.89 0.00	35.71 1.07 0.00	38.78 1.13 0.00	41.92 0.90 0.00	43.78 1.16 0.27	47.24 0.61 0.00	51.67 0.61 0.00	56.71 1.00 0.00	65.17 1.22 0.00	76.89 2.19 3.47	82.37 2.50 6.34	96.45 4.80 12.72	141.82 7.17 0.53	154.17 8.95 6.52	141.50 5.23 -11.81	120.22 3.69 -19.34	86.56 3.17 0.00	69.35 1.95 0.00	59.60 1.51 0.00
HUNTINGTON_RES_REC 323705	45.31 2.61 0.00	39.64 2.31 0.00	36.12 2.14 0.00	32.28 2.06 0.00	33.35 1.98 0.00	36.50 2.23 0.00	37.10 2.46 0.00	41.00 3.35 0.00	44.88 3.85 0.00	46.29 3.39 0.00	49.04 2.42 0.01	52.98 3.01 1.08	57.97 3.40 1.14	67.08 3.13 0.00	81.25 4.06 0.99	91.99 5.78 0.00	118.00 12.21 -1.43	369.19 15.67 -218.33	321.67 16.39 -153.54	139.80 12.20 -3.13	108.58 6.41 -4.97	84.08 4.08 3.39	62.86 2.42 6.96	52.79 1.57 6.87
HUNTLEY___63 23557	41.64 -1.07 0.00	36.80 -0.52 0.00	33.13 -0.85 0.00	29.74 -0.48 0.00	30.62 -0.75 0.00	33.35 -0.93 0.00	33.98 -0.66 0.00	35.92 -1.73 0.00	39.87 -1.15 0.00	41.78 -1.12 0.00	45.60 -1.03 0.00	50.95 -0.10 0.00	55.65 -0.06 0.00	64.40 0.45 0.00	78.25 0.08 0.00	87.77 1.55 0.00	106.15 1.77 0.00	135.32 0.14 0.00	152.19 0.46 0.00	124.96 0.50 0.00	96.61 -0.58 0.00	80.72 -2.67 0.00	65.78 -1.62 0.00	57.28 -0.81 0.00
HUNTLEY___64 23558	41.64 -1.07 0.00	36.80 -0.52 0.00	33.13 -0.85 0.00	29.74 -0.48 0.00	30.62 -0.75 0.00	33.35 -0.93 0.00	33.98 -0.66 0.00	35.92 -1.73 0.00	39.87 -1.15 0.00	41.78 -1.12 0.00	45.60 -1.03 0.00	50.95 -0.10 0.00	55.65 -0.06 0.00	64.40 0.45 0.00	78.25 0.08 0.00	87.77 1.55 0.00	106.15 1.77 0.00	135.32 0.14 0.00	152.19 0.46 0.00	124.96 0.50 0.00	96.61 -0.58 0.00	80.72 -2.67 0.00	65.78 -1.62 0.00	57.28 -0.81 0.00
HUNTLEY___65 23559	41.64 -1.07 0.00	36.80 -0.52 0.00	33.13 -0.85 0.00	29.74 -0.48 0.00	30.62 -0.75 0.00	33.35 -0.93 0.00	33.98 -0.66 0.00	35.92 -1.73 0.00	39.87 -1.15 0.00	41.78 -1.12 0.00	45.60 -1.03 0.00	50.95 -0.10 0.00	55.65 -0.06 0.00	64.40 0.45 0.00	78.25 0.08 0.00	87.77 1.55 0.00	106.15 1.77 0.00	135.32 0.14 0.00	152.19 0.46 0.00	124.96 0.50 0.00	96.61 -0.58 0.00	80.72 -2.67 0.00	65.78 -1.62 0.00	57.28 -0.81 0.00
HUNTLEY___66 23560	41.64 -1.07 0.00	36.80 -0.52 0.00	33.13 -0.85 0.00	29.74 -0.48 0.00	30.62 -0.75 0.00	33.35 -0.93 0.00	33.98 -0.66 0.00	35.92 -1.73 0.00	39.87 -1.15 0.00	41.78 -1.12 0.00	45.60 -1.03 0.00	50.95 -0.10 0.00	55.65 -0.06 0.00	64.40 0.45 0.00	78.25 0.08 0.00	87.77 1.55 0.00	106.15 1.77 0.00	135.32 0.14 0.00	152.19 0.46 0.00	124.96 0.50 0.00	96.61 -0.58 0.00	80.72 -2.67 0.00	65.78 -1.62 0.00	57.28 -0.81 0.00
HUNTLEY___67 23561	41.43 -1.28 0.00	36.58 -0.75 0.00	32.96 -1.02 0.00	29.56 -0.66 0.00	30.43 -0.94 0.00	33.18 -1.10 0.00	33.81 -0.83 0.00	35.77 -1.88 0.00	39.67 -1.35 0.00	41.53 -1.37 0.00	45.32 -1.31 0.00	50.59 -0.46 0.00	55.26 -0.45 0.00	64.21 0.26 0.00	78.02 -0.16 0.00	87.77 1.55 0.00	106.15 1.77 0.00	135.32 0.14 0.00	152.04 0.30 0.00	124.84 0.37 0.00	96.81 -0.39 0.00	80.89 -2.50 0.00	65.71 -1.68 0.00	56.99 -1.10 0.00
HUNTLEY___68 23562	41.43 -1.28 0.00	36.58 -0.75 0.00	32.96 -1.02 0.00	29.56 -0.66 0.00	30.43 -0.94 0.00	33.18 -1.10 0.00	33.81 -0.83 0.00	35.77 -1.88 0.00	39.67 -1.35 0.00	41.53 -1.37 0.00	45.32 -1.31 0.00	50.59 -0.46 0.00	55.26 -0.45 0.00	64.21 0.26 0.00	78.02 -0.16 0.00	87.77 1.55 0.00	106.15 1.77 0.00	135.32 0.14 0.00	152.04 0.30 0.00	124.84 0.37 0.00	96.81 -0.39 0.00	80.89 -2.50 0.00	65.71 -1.68 0.00	56.99 -1.10 0.00



HYLAND___LFGE 323620	45.10 2.39 0.00	39.15 1.83 0.00	35.34 1.36 0.00	31.52 1.30 0.00	32.75 1.38 0.00	35.72 1.44 0.00	36.51 1.87 0.00	38.75 1.09 0.00	42.00 0.98 0.00	43.63 0.73 0.00	47.61 0.98 0.00	50.64 -0.41 0.00	55.54 -0.17 0.00	63.70 -0.25 0.00	73.56 -4.61 0.00	83.71 -2.50 0.00	102.18 -2.20 0.00	131.81 -3.37 0.00	150.52 -1.22 0.00	127.58 3.11 0.00	100.01 2.82 0.00	83.97 0.59 0.00	71.03 3.64 0.00	60.59 2.50 0.00
INDECK___CORINTH 23802	44.16 1.45 0.00	38.67 1.34 0.00	35.30 1.32 0.00	31.40 1.18 0.00	32.63 1.26 0.00	35.72 1.44 0.00	36.26 1.63 0.00	39.50 1.84 0.00	42.78 1.76 0.00	44.53 1.63 0.00	48.03 1.40 0.00	52.64 1.58 0.00	57.66 1.95 0.00	66.06 2.11 0.00	80.98 2.81 0.00	89.75 3.54 0.00	115.24 5.74 -5.13	143.93 8.52 -0.22	165.88 11.53 -2.62	165.48 9.45 -31.56	156.16 7.29 -51.67	88.80 5.42 0.00	71.23 3.84 0.00	60.88 2.79 0.00
INDECK___ILION 23567	42.28 -0.43 0.00	36.95 -0.37 0.00	33.67 -0.31 0.00	29.95 -0.27 0.00	31.09 -0.28 0.00	34.04 -0.24 0.00	34.46 -0.17 0.00	37.50 -0.15 0.00	40.86 -0.16 0.00	42.77 -0.13 0.00	46.44 -0.19 0.00	50.90 -0.15 0.00	55.54 -0.17 0.00	63.76 -0.19 0.00	78.02 -0.16 0.00	86.13 -0.09 0.00	106.21 0.00 -1.83	139.97 0.41 -4.37	158.48 0.46 -6.28	128.10 0.37 -3.26	97.29 0.10 0.00	83.39 0.00 0.00	67.06 -0.34 0.00	57.69 -0.41 0.00
INDECK___OLEAN 23982	41.60 -1.11 0.00	36.58 -0.75 0.00	32.93 -1.05 0.00	29.50 -0.73 0.00	30.46 -0.91 0.00	33.21 -1.06 0.00	34.01 -0.62 0.00	35.96 -1.69 0.00	39.83 -1.19 0.00	41.74 -1.16 0.00	45.84 -0.79 0.00	51.16 0.10 0.00	56.04 0.34 0.00	64.34 0.39 0.00	78.17 0.00 0.00	88.11 1.89 0.00	107.08 2.71 0.00	136.68 1.49 0.00	153.56 1.83 0.00	126.45 1.99 0.00	97.68 0.49 0.00	81.97 -1.42 0.00	66.05 -1.35 0.00	57.11 -0.99 0.00
INDECK___OSWEGO 23783	41.94 -0.77 0.00	36.69 -0.63 0.00	33.37 -0.61 0.00	29.71 -0.51 0.00	30.84 -0.53 0.00	33.73 -0.55 0.00	34.22 -0.41 0.00	37.16 -0.49 0.00	40.61 -0.41 0.00	42.47 -0.43 0.00	46.21 -0.42 0.00	50.29 -0.76 0.00	54.87 -0.83 0.00	62.99 -0.96 0.00	77.00 -1.17 0.00	85.27 -0.95 0.00	103.43 -0.94 0.00	142.64 -1.22 -8.67	162.97 -1.22 -12.45	130.19 -0.74 -6.47	96.41 -0.78 0.00	82.22 -1.17 0.00	66.18 -1.21 0.00	56.93 -1.16 0.00
INDECK___YERKES 23781	41.68 -1.03 0.00	36.80 -0.52 0.00	33.16 -0.82 0.00	29.77 -0.45 0.00	30.71 -0.66 0.00	33.42 -0.86 0.00	34.08 -0.56 0.00	35.96 -1.69 0.00	39.92 -1.11 0.00	41.83 -1.07 0.00	46.16 -0.47 0.00	51.21 0.15 0.00	56.60 0.89 0.00	64.46 0.51 0.00	78.25 0.08 0.00	88.03 1.81 0.00	106.25 1.88 0.00	135.32 0.14 0.00	152.19 0.46 0.00	125.09 0.63 0.00	96.61 -0.58 0.00	81.31 -2.08 0.00	65.85 -1.55 0.00	57.28 -0.81 0.00
INDIAN POINT_GT_1 24139	44.46 1.75 0.00	38.89 1.57 0.00	35.51 1.53 0.00	31.71 1.48 0.00	32.88 1.51 0.00	35.99 1.71 0.00	36.71 2.08 0.00	40.18 2.52 0.00	43.85 2.83 0.00	46.03 3.13 0.00	49.85 3.22 0.00	54.47 3.42 0.00	59.44 3.73 0.00	67.98 4.03 0.00	83.26 5.08 0.00	92.16 5.95 0.00	115.59 9.92 -1.30	147.82 12.57 -0.05	165.75 13.35 -0.66	137.55 10.08 -3.01	108.73 6.61 -4.93	87.72 4.34 0.00	69.82 2.43 0.00	60.30 2.21 0.00
INDIAN POINT_GT_2 23659	44.46 1.75 0.00	38.89 1.57 0.00	35.51 1.53 0.00	31.71 1.48 0.00	32.88 1.51 0.00	35.99 1.71 0.00	36.71 2.08 0.00	40.18 2.52 0.00	43.85 2.83 0.00	46.03 3.13 0.00	49.85 3.22 0.00	54.47 3.42 0.00	59.44 3.73 0.00	67.98 4.03 0.00	83.26 5.08 0.00	92.16 5.95 0.00	115.59 9.92 -1.30	147.82 12.57 -0.05	165.75 13.35 -0.66	137.55 10.08 -3.01	108.73 6.61 -4.93	87.72 4.34 0.00	69.82 2.43 0.00	60.30 2.21 0.00
INDIAN POINT_GT_3 24019	44.46 1.75 0.00	38.89 1.57 0.00	35.51 1.53 0.00	31.71 1.48 0.00	32.88 1.51 0.00	35.99 1.71 0.00	36.71 2.08 0.00	40.18 2.52 0.00	43.85 2.83 0.00	46.03 3.13 0.00	49.85 3.22 0.00	54.47 3.42 0.00	59.44 3.73 0.00	67.98 4.03 0.00	83.26 5.08 0.00	92.16 5.95 0.00	115.59 9.92 -1.30	147.82 12.57 -0.05	165.75 13.35 -0.66	137.55 10.08 -3.01	108.73 6.61 -4.93	87.72 4.34 0.00	69.82 2.43 0.00	60.30 2.21 0.00
INDIAN POINT___2 23530	44.37 1.66 0.00	38.86 1.53 0.00	35.47 1.49 0.00	31.67 1.45 0.00	32.82 1.44 0.00	35.92 1.65 0.00	36.68 2.04 0.00	40.14 2.48 0.00	43.77 2.75 0.00	45.95 3.05 0.00	49.66 3.03 0.00	54.32 3.27 0.00	59.22 3.51 0.00	67.79 3.84 0.00	83.10 4.93 0.00	91.99 5.78 0.00	115.33 9.71 -1.25	147.54 12.30 -0.05	165.26 12.89 -0.64	137.14 9.71 -2.96	108.56 6.51 -4.85	87.64 4.25 0.00	69.75 2.36 0.00	60.18 2.09 0.00
INDIAN POINT___3 23531	44.37 1.67 0.00	38.82 1.49 0.00	35.47 1.50 0.00	31.67 1.45 0.00	32.82 1.44 0.00	35.92 1.65 0.00	36.68 2.04 0.00	40.10 2.45 0.00	43.77 2.75 0.00	45.90 3.00 0.00	49.71 3.08 0.00	54.32 3.27 0.00	59.27 3.57 0.00	67.79 3.84 0.00	83.02 4.85 0.00	91.90 5.69 0.00	115.18 9.50 -1.31	147.41 12.17 -0.05	165.15 12.75 -0.66	137.18 9.71 -3.01	108.44 6.32 -4.93	87.47 4.09 0.00	69.69 2.29 0.00	60.19 2.09 0.00
INGHAM_C_115KV_TB7 356103	41.43 -1.28 0.00	36.17 -1.16 0.00	32.96 -1.02 0.00	29.32 -0.91 0.00	30.46 -0.91 0.00	33.35 -0.93 0.00	33.77 -0.87 0.00	36.79 -0.87 0.00	40.08 -0.94 0.00	41.96 -0.94 0.00	45.56 -1.07 0.00	49.88 -1.17 0.00	54.43 -1.28 0.00	62.48 -1.47 0.00	76.45 -1.72 0.00	84.40 -1.81 0.00	103.91 -2.30 -1.83	137.13 -2.43 -4.37	155.44 -2.58 -6.28	125.49 -2.24 -3.26	95.25 -1.94 0.00	81.80 -1.58 0.00	65.78 -1.62 0.00	56.58 -1.51 0.00
IP CORINTH___1 23988	44.37 1.67 0.00	38.86 1.53 0.00	35.47 1.50 0.00	31.55 1.33 0.00	32.78 1.41 0.00	35.89 1.61 0.00	36.44 1.80 0.00	39.69 2.03 0.00	42.99 1.97 0.00	44.79 1.89 0.00	48.35 1.73 0.00	52.94 1.89 0.00	57.99 2.28 0.00	66.45 2.49 0.00	81.46 3.28 0.00	90.18 3.97 0.00	115.86 6.26 -5.22	144.74 9.33 -0.22	166.80 12.44 -2.62	166.23 10.21 -31.56	156.74 7.87 -51.67	89.31 5.92 0.00	71.57 4.18 0.00	61.23 3.14 0.00
IP___TICONDEROGA 23804	46.38 3.67 0.00	40.57 3.25 0.00	36.97 2.99 0.00	32.82 2.60 0.00	34.20 2.82 0.00	37.43 3.15 0.00	38.03 3.39 0.00	41.34 3.69 0.00	44.63 3.61 0.00	46.46 3.56 0.00	50.31 3.68 0.00	55.14 4.08 0.00	60.55 4.85 0.00	69.45 5.50 0.00	85.29 7.11 0.00	94.75 8.54 0.00	121.93 12.11 -5.45	152.99 17.57 -0.23	176.48 22.00 -2.74	174.27 18.54 -31.27	162.77 14.38 -51.20	94.64 11.26 0.00	75.82 8.42 0.00	64.60 6.51 0.00
ISLIP_RES_REC 323679	45.82 3.12 0.00	40.09 2.76 0.00	36.49 2.51 0.00	32.67 2.45 0.00	33.73 2.35 0.00	36.88 2.60 0.00	37.44 2.80 0.00	41.46 3.80 0.00	45.37 4.35 0.00	46.80 3.90 0.00	49.79 3.17 0.01	54.62 3.93 0.36	59.81 4.40 0.30	67.98 4.03 0.00	82.99 5.08 0.26	93.28 7.07 0.00	120.13 14.41 -1.35	192.37 18.52 -38.66	199.26 19.72 -27.80	142.45 14.93 -3.05	110.53 8.36 -4.97	87.83 5.59 1.14	63.98 3.50 6.92	53.91 2.55 6.73



JAMAICA__27_KV_LOAD 355505	45.14 2.43 0.00	39.53 2.20 0.00	36.12 2.14 0.00	32.22 1.99 0.00	33.41 2.04 0.00	36.57 2.30 0.00	37.44 2.81 0.00	41.12 3.46 0.00	45.00 3.98 0.00	47.29 4.38 -0.01	50.93 4.29 -0.01	55.60 4.54 0.00	60.61 4.90 0.00	69.20 5.24 0.00	84.90 6.72 0.00	94.06 7.85 0.00	118.44 12.73 -1.33	151.20 15.95 -0.06	169.41 16.99 -0.68	140.45 12.94 -3.04	110.92 8.75 -4.98	89.14 5.75 0.00	71.10 3.71 0.00	61.41 3.31 0.00
JANIS__SOLAR 323808	44.46 1.75 0.00	38.86 1.53 0.00	35.20 1.22 0.00	31.34 1.12 0.00	32.60 1.22 0.00	35.75 1.47 0.00	36.47 1.83 0.00	39.39 1.73 0.00	42.87 1.85 0.00	44.49 1.59 0.00	48.22 1.59 0.00	53.10 2.04 0.00	58.10 2.39 0.00	67.15 3.20 0.00	82.39 4.22 0.00	91.82 5.60 0.00	111.78 7.41 0.00	146.55 11.36 0.00	165.99 14.26 0.00	138.83 12.82 -1.55	109.35 9.62 -2.53	90.39 7.01 0.00	72.04 4.65 0.00	61.76 3.66 0.00
JARVIS____ 23743	42.75 0.04 0.00	37.36 0.04 0.00	34.05 0.07 0.00	30.32 0.09 0.00	31.47 0.09 0.00	34.38 0.10 0.00	34.81 0.17 0.00	37.88 0.23 0.00	41.27 0.25 0.00	43.16 0.26 0.00	46.86 0.23 0.00	51.36 0.31 0.00	56.04 0.34 0.00	64.34 0.39 0.00	78.73 0.55 0.00	86.90 0.69 0.00	107.25 1.04 -1.83	141.05 1.49 -4.37	159.69 1.67 -6.28	128.97 1.24 -3.26	98.07 0.87 0.00	83.97 0.59 0.00	67.67 0.27 0.00	58.27 0.17 0.00
JENNISON____1 23625	44.59 1.88 0.00	39.00 1.68 0.00	35.41 1.43 0.00	31.52 1.30 0.00	32.78 1.41 0.00	35.99 1.71 0.00	36.68 2.04 0.00	39.72 2.07 0.00	43.36 2.34 0.00	45.22 2.32 0.00	48.96 2.33 0.00	53.96 2.91 0.00	58.94 3.23 0.00	68.24 4.28 0.00	83.72 5.55 0.00	93.28 7.07 0.00	113.66 9.29 0.00	148.44 13.25 0.00	167.21 15.48 0.00	140.02 13.07 -2.49	110.89 9.62 -4.07	90.47 7.09 0.00	72.18 4.79 0.00	61.93 3.83 0.00
JENNISON____2 23626	44.59 1.88 0.00	39.00 1.68 0.00	35.41 1.43 0.00	31.52 1.30 0.00	32.78 1.41 0.00	35.99 1.71 0.00	36.68 2.04 0.00	39.72 2.07 0.00	43.36 2.34 0.00	45.22 2.32 0.00	48.96 2.33 0.00	53.96 2.91 0.00	58.94 3.23 0.00	68.24 4.28 0.00	83.72 5.55 0.00	93.28 7.07 0.00	113.66 9.29 0.00	148.44 13.25 0.00	167.21 15.48 0.00	140.02 13.07 -2.49	110.89 9.62 -4.07	90.47 7.09 0.00	72.18 4.79 0.00	61.93 3.83 0.00
JERICOHO_RISE_WT_PWR 323719	42.58 -0.13 0.00	36.95 -0.37 0.00	33.50 -0.48 0.00	29.62 -0.60 0.00	30.71 -0.66 0.00	33.49 -0.79 0.00	33.56 -1.07 0.00	36.33 -1.32 0.00	39.46 -1.56 0.00	41.10 -1.80 0.00	44.67 -1.96 0.00	48.55 -2.50 0.00	53.09 -2.62 0.00	60.88 -3.07 0.00	74.27 -3.91 0.00	81.30 -4.91 0.00	90.52 -7.20 6.65	100.83 -9.20 25.16	105.57 -10.02 36.15	98.09 -7.60 18.77	91.75 -5.44 0.00	79.72 -3.67 0.00	65.03 -2.36 0.00	56.12 -1.98 0.00
KATONAH__115KV_46KV_TB4 355592	44.59 1.88 0.00	39.00 1.68 0.00	35.61 1.63 0.00	31.83 1.60 0.00	32.97 1.60 0.00	36.09 1.82 0.00	36.78 2.15 0.00	40.29 2.64 0.00	43.98 2.95 0.00	46.16 3.26 0.00	50.08 3.45 0.00	54.73 3.68 0.00	59.77 4.07 0.00	68.43 4.48 0.00	83.80 5.63 0.00	92.77 6.55 0.00	116.39 10.65 -1.37	148.90 13.65 -0.06	167.15 14.72 -0.69	138.77 11.20 -3.11	109.67 7.39 -5.09	88.39 5.00 0.00	70.36 2.97 0.00	60.65 2.56 0.00
KCE_NY_1 323755	44.50 1.79 0.00	38.93 1.60 0.00	35.58 1.60 0.00	31.70 1.48 0.00	32.91 1.54 0.00	35.99 1.71 0.00	36.54 1.90 0.00	39.76 2.11 0.00	43.07 2.05 0.00	44.96 2.06 0.00	48.73 2.10 0.00	53.40 2.35 0.00	58.44 2.73 0.00	67.02 3.07 0.00	82.08 3.91 0.00	90.78 4.57 0.00	116.95 6.89 -5.69	145.17 9.74 -0.24	166.33 11.68 -2.91	164.77 9.45 -30.85	154.80 7.09 -50.52	88.80 5.42 0.00	71.30 3.91 0.00	61.11 3.02 0.00
KCE_NY_6_ESR 323823	41.85 -0.85 0.00	36.92 -0.41 0.00	33.26 -0.72 0.00	29.83 -0.39 0.00	30.75 -0.63 0.00	33.49 -0.79 0.00	34.19 -0.45 0.00	36.15 -1.51 0.00	40.08 -0.94 0.00	42.00 -0.90 0.00	46.25 -0.37 0.00	51.46 0.41 0.00	56.76 1.06 0.00	65.04 1.09 0.00	79.12 0.94 0.00	89.15 2.93 0.00	107.81 3.44 0.00	137.63 2.44 0.00	154.77 3.03 0.00	127.20 2.73 0.00	98.36 1.17 0.00	82.47 -0.92 0.00	66.65 -0.74 0.00	57.63 -0.47 0.00
KEDC_PORT_JEFF_GT2 24210	45.48 2.77 0.00	39.79 2.46 0.00	36.26 2.28 0.00	32.43 2.21 0.00	33.51 2.13 0.00	36.64 2.36 0.00	37.20 2.56 0.00	41.16 3.50 0.00	45.00 3.98 0.00	46.37 3.47 0.00	49.28 2.66 0.01	53.86 3.22 0.41	58.83 3.51 0.39	66.70 2.75 0.00	81.43 3.60 0.34	91.56 5.35 0.00	117.73 12.00 -1.36	205.27 15.27 -54.81	206.96 16.08 -39.15	139.59 12.07 -3.06	108.39 6.23 -4.97	85.93 3.84 1.30	62.94 2.56 7.01	53.12 1.86 6.83
KEDC_PORT_JEFF_GT3 24211	45.48 2.77 0.00	39.79 2.46 0.00	36.26 2.28 0.00	32.43 2.21 0.00	33.51 2.13 0.00	36.64 2.36 0.00	37.20 2.56 0.00	41.16 3.50 0.00	45.00 3.98 0.00	46.37 3.47 0.00	49.28 2.66 0.01	53.86 3.22 0.41	58.83 3.51 0.39	66.70 2.75 0.00	81.43 3.60 0.34	91.56 5.35 0.00	117.73 12.00 -1.36	205.27 15.27 -54.81	206.96 16.08 -39.15	139.59 12.07 -3.06	108.39 6.23 -4.97	85.93 3.84 1.30	62.94 2.56 7.01	53.12 1.86 6.83
KEDC_GLWD_GT4 24219	45.18 2.48 0.00	39.53 2.20 0.00	36.09 2.11 0.00	32.22 1.99 0.00	33.35 1.98 0.00	36.50 2.23 0.00	37.20 2.56 0.00	40.89 3.24 0.00	44.71 3.69 0.00	46.72 3.82 0.00	50.31 3.68 0.00	55.19 4.13 0.00	59.89 4.18 0.00	68.36 4.41 0.00	83.73 5.55 -0.01	93.11 6.90 0.00	117.81 12.10 -1.33	150.39 15.14 -0.06	168.50 16.08 -0.69	139.57 12.07 -3.04	109.65 7.48 -4.98	88.48 5.09 -0.01	69.34 2.96 1.01	59.44 2.33 0.98
KEDC_GLWD_GT5 24220	45.18 2.48 0.00	39.53 2.20 0.00	36.09 2.11 0.00	32.22 1.99 0.00	33.35 1.98 0.00	36.50 2.23 0.00	37.20 2.56 0.00	40.89 3.24 0.00	44.71 3.69 0.00	46.72 3.82 0.00	50.31 3.68 0.00	55.19 4.13 0.00	59.89 4.18 0.00	68.36 4.41 0.00	83.73 5.55 -0.01	93.11 6.90 0.00	117.81 12.10 -1.33	150.39 15.14 -0.06	168.50 16.08 -0.69	139.57 12.07 -3.04	109.65 7.48 -4.98	88.48 5.09 -0.01	69.34 2.96 1.01	59.44 2.33 0.98
KENSICO____ 23655	44.59 1.88 0.00	39.04 1.72 0.00	35.64 1.66 0.00	31.80 1.57 0.00	32.97 1.60 0.00	36.09 1.82 0.00	36.85 2.22 0.00	40.36 2.71 0.00	44.06 3.04 0.00	46.25 3.35 0.00	50.08 3.45 0.00	54.73 3.68 0.00	59.72 4.01 0.00	68.24 4.28 0.00	83.57 5.39 0.00	92.59 6.38 0.00	116.14 10.44 -1.33	148.49 13.25 -0.06	166.37 13.96 -0.68	138.08 10.58 -3.03	109.16 7.00 -4.97	87.97 4.59 0.00	69.96 2.56 0.00	60.48 2.38 0.00
KERHONKS_69_KV_TR1_REV_LBMP_G 345021	44.59 1.88 0.00	38.93 1.60 0.00	35.54 1.56 0.00	31.67 1.45 0.00	32.85 1.47 0.00	35.99 1.71 0.00	36.75 2.11 0.00	40.10 2.45 0.00	43.69 2.67 0.00	45.78 2.92 0.03	49.66 3.03 0.00	54.32 3.27 0.00	59.44 3.73 0.00	68.30 4.35 0.00	83.31 5.55 0.41	91.93 6.47 0.76	114.91 10.54 0.00	148.98 13.79 0.00	167.21 15.48 0.00	140.03 11.82 -3.74	111.38 8.07 -6.12	89.14 5.75 0.00	70.90 3.50 0.00	61.06 2.96 0.00



KIAC_JFK_GT1 23816	44.72 2.01 0.00	39.15 1.83 0.00	35.92 1.94 0.00	32.01 1.78 0.00	33.22 1.85 0.00	36.37 2.09 0.00	37.13 2.49 0.00	40.74 3.09 0.00	44.59 3.57 0.00	46.90 3.99 -0.01	50.47 3.82 -0.01	55.09 4.03 0.00	60.05 4.35 0.00	68.49 4.54 0.00	84.04 5.86 0.00	93.11 6.90 0.00	117.29 11.59 -1.33	149.58 14.33 -0.06	167.59 15.17 -0.68	139.08 11.57 -3.04	109.75 7.58 -4.98	88.22 4.84 0.00	70.36 2.97 0.00	60.77 2.67 0.00
KIAC_JFK_GT2 23817	44.72 2.01 0.00	39.15 1.83 0.00	35.92 1.94 0.00	32.01 1.78 0.00	33.22 1.85 0.00	36.37 2.09 0.00	37.13 2.49 0.00	40.74 3.09 0.00	44.59 3.57 0.00	46.90 3.99 -0.01	50.47 3.82 -0.01	55.09 4.03 0.00	60.05 4.35 0.00	68.49 4.54 0.00	84.04 5.86 0.00	93.11 6.90 0.00	117.29 11.59 -1.33	149.58 14.33 -0.06	167.59 15.17 -0.68	139.08 11.57 -3.04	109.75 7.58 -4.98	88.22 4.84 0.00	70.36 2.97 0.00	60.77 2.67 0.00
KIAC_JFK____ 323774	44.72 2.01 0.00	39.15 1.83 0.00	35.91 1.94 0.00	32.01 1.78 0.00	33.22 1.85 0.00	36.37 2.09 0.00	37.06 2.42 0.00	40.74 3.09 0.00	44.59 3.57 0.00	46.86 3.94 -0.01	50.37 3.73 -0.01	55.04 3.98 0.00	59.89 4.18 0.00	68.43 4.48 0.00	83.96 5.78 0.00	93.12 6.90 0.00	117.28 11.58 -1.33	149.57 14.32 -0.06	167.59 15.17 -0.68	138.94 11.44 -3.04	109.85 7.68 -4.98	88.31 4.92 0.00	70.43 3.04 0.00	60.77 2.67 0.00
KINTIGH__24_KV_GSU 356498	41.43 -1.28 0.00	36.54 -0.79 0.00	32.99 -0.99 0.00	29.56 -0.67 0.00	30.53 -0.85 0.00	33.21 -1.06 0.00	33.87 -0.76 0.00	35.96 -1.69 0.00	39.79 -1.23 0.00	41.65 -1.25 0.00	45.84 -0.79 0.00	50.80 -0.25 0.00	55.99 0.28 0.00	64.21 0.26 0.00	78.10 -0.08 0.00	87.77 1.55 0.00	105.94 1.57 0.00	135.05 -0.14 0.00	151.89 0.15 0.00	124.96 0.50 0.00	96.90 -0.29 0.00	81.55 -1.83 0.00	65.98 -1.42 0.00	57.11 -0.99 0.00
KINTIGH____ 23543	41.43 -1.28 0.00	36.54 -0.78 0.00	32.99 -0.99 0.00	29.56 -0.66 0.00	30.46 -0.91 0.00	33.21 -1.06 0.00	33.84 -0.80 0.00	35.96 -1.69 0.00	39.79 -1.23 0.00	41.66 -1.24 0.00	45.42 -1.21 0.00	50.59 -0.46 0.00	55.32 -0.39 0.00	64.14 0.19 0.00	78.10 -0.08 0.00	87.51 1.29 0.00	105.83 1.46 0.00	135.05 -0.14 0.00	151.89 0.15 0.00	124.71 0.25 0.00	96.90 -0.29 0.00	81.30 -2.08 0.00	65.91 -1.48 0.00	57.11 -0.99 0.00
KNTFSRNC_46_KV_46KV_LOAD 80397	43.56 0.85 0.00	37.77 0.45 0.00	34.25 0.27 0.00	30.28 0.06 0.00	31.40 0.03 0.00	34.21 -0.07 0.00	34.39 -0.24 0.00	37.16 -0.49 0.00	40.37 -0.66 0.00	41.70 -1.20 0.00	45.46 -1.17 0.00	49.42 -1.63 0.00	54.09 -1.62 0.00	61.52 -2.43 0.00	75.05 -3.13 0.00	82.34 -3.88 0.00	91.35 -6.26 6.76	105.92 -7.84 21.42	112.61 -8.35 30.78	102.38 -6.10 15.99	92.82 -4.37 0.00	80.64 -2.75 0.00	65.64 -1.75 0.00	56.58 -1.51 0.00
LACHUTE____HYDRO 323717	46.38 3.67 0.00	40.57 3.25 0.00	36.97 2.99 0.00	32.82 2.60 0.00	34.20 2.82 0.00	37.43 3.15 0.00	38.03 3.40 0.00	41.35 3.69 0.00	44.63 3.61 0.00	46.46 3.56 0.00	50.27 3.64 0.00	55.14 4.09 0.00	60.55 4.84 0.00	69.45 5.50 0.00	85.21 7.04 0.00	94.75 8.54 0.00	121.84 12.10 -5.37	152.98 17.57 -0.23	176.47 21.99 -2.74	174.28 18.55 -31.27	162.77 14.38 -51.20	94.73 11.34 0.00	75.89 8.49 0.00	64.60 6.51 0.00
LAWRNCV_115KV_TB1 80681	43.18 0.47 0.00	37.59 0.26 0.00	34.05 0.07 0.00	30.13 -0.09 0.00	31.12 -0.25 0.00	34.00 -0.27 0.00	34.08 -0.55 0.00	36.86 -0.79 0.00	39.95 -1.07 0.00	41.61 -1.29 0.00	45.14 -1.49 0.00	48.71 -2.35 0.00	53.26 -2.45 0.00	60.95 -3.01 0.00	74.50 -3.67 0.00	81.90 -4.31 0.00	90.85 -8.04 5.49	62.57 -9.60 63.02	50.59 -10.62 90.53	70.22 -7.22 47.02	92.72 -4.47 0.00	81.14 -2.25 0.00	66.59 -0.81 0.00	57.63 -0.46 0.00
LEDERLE____ 23769	44.50 1.79 0.00	38.93 1.60 0.00	35.58 1.60 0.00	31.74 1.51 0.00	32.91 1.54 0.00	36.03 1.75 0.00	36.78 2.15 0.00	40.21 2.56 0.00	43.89 2.87 0.00	46.03 3.13 0.00	49.85 3.22 0.00	54.53 3.47 0.00	59.61 3.90 0.00	68.24 4.28 0.00	83.49 5.32 0.00	92.51 6.29 0.00	115.93 10.33 -1.22	148.35 13.11 -0.05	166.32 13.96 -0.62	137.97 10.58 -2.93	108.99 7.00 -4.80	88.06 4.67 0.00	70.09 2.70 0.00	60.48 2.38 0.00
LIGHTHSE_115KV_TB6 355974	42.84 0.13 0.00	37.44 0.11 0.00	34.01 0.03 0.00	30.25 0.03 0.00	31.44 0.06 0.00	34.45 0.17 0.00	34.98 0.35 0.00	37.95 0.30 0.00	41.39 0.37 0.00	43.24 0.34 0.00	46.91 0.28 0.00	51.36 0.31 0.00	55.99 0.28 0.00	64.27 0.32 0.00	78.57 0.39 0.00	86.90 0.69 0.00	105.42 1.04 0.00	157.28 1.76 -20.33	183.52 2.58 -29.20	142.62 2.99 -15.17	99.23 2.04 0.00	85.22 1.83 0.00	68.54 1.15 0.00	58.85 0.76 0.00
LINDEN COGEN____ 23786	44.58 1.88 0.00	39.08 1.75 0.00	35.64 1.66 0.00	31.82 1.60 0.00	33.00 1.63 0.00	36.09 1.82 0.00	36.92 2.29 0.00	40.55 2.90 0.00	44.30 3.28 0.00	46.52 3.60 -0.01	50.28 3.64 -0.01	51.70 3.78 3.14	53.56 3.90 6.04	59.44 4.15 8.67	73.84 5.39 9.72	82.86 6.38 9.74	106.03 10.75 9.09	116.49 13.26 31.95	133.99 13.81 31.55	116.05 10.32 18.74	99.02 6.80 4.98	76.31 4.33 11.41	60.12 2.36 9.63	53.90 2.21 6.40
LINDHRST_69_KV_BK1 356055	45.95 3.25 0.00	40.05 2.72 0.00	36.53 2.55 0.00	32.64 2.42 0.00	33.79 2.42 0.00	36.92 2.64 0.00	37.51 2.87 0.00	41.42 3.77 0.00	45.33 4.31 0.00	47.02 4.12 0.00	50.17 3.54 0.01	54.99 4.08 0.15	60.18 4.57 0.09	68.68 4.73 0.00	83.88 5.78 0.08	93.46 7.24 0.00	119.48 13.78 -1.33	152.82 17.57 -0.06	171.38 18.97 -0.68	142.06 14.56 -3.04	110.04 7.87 -4.98	87.85 4.92 0.46	65.55 3.71 5.55	55.38 2.67 5.38
LIPA_MISC_IPP 23656	45.40 2.69 0.00	39.56 2.24 0.00	36.02 2.04 0.00	32.28 2.06 0.00	33.41 2.04 0.00	36.44 2.16 0.00	36.96 2.32 0.00	40.89 3.24 0.00	44.71 3.69 0.00	46.16 3.26 0.00	49.14 2.52 0.01	53.92 3.17 0.30	58.84 3.40 0.27	67.40 3.45 0.00	82.08 4.14 0.24	91.82 5.60 0.00	117.93 12.21 -1.34	179.46 15.82 -28.45	189.21 16.84 -20.63	140.46 12.94 -3.05	108.49 6.32 -4.97	85.86 3.42 0.95	62.70 2.36 7.05	52.86 1.63 6.86
LISF____SOLAR 323691	45.31 2.61 0.00	39.64 2.31 0.00	36.12 2.14 0.00	32.34 2.11 0.00	33.38 2.01 0.00	36.50 2.23 0.00	37.02 2.39 0.00	40.97 3.31 0.00	44.79 3.77 0.00	46.16 3.26 0.00	49.00 2.38 0.01	53.80 3.06 0.32	58.82 3.40 0.28	67.02 3.07 0.00	81.83 3.91 0.25	91.99 5.78 0.00	118.45 12.73 -1.35	183.26 16.35 -31.72	192.11 17.44 -22.93	140.70 13.19 -3.05	109.17 7.00 -4.97	86.89 4.50 1.00	62.98 2.63 7.04	53.05 1.80 6.84
LITTLE FALLS____HYD 24013	41.43 -1.28 0.00	36.17 -1.16 0.00	32.96 -1.02 0.00	29.32 -0.91 0.00	30.46 -0.91 0.00	33.35 -0.93 0.00	33.77 -0.87 0.00	36.79 -0.87 0.00	40.08 -0.94 0.00	41.96 -0.94 0.00	45.56 -1.07 0.00	49.88 -1.17 0.00	54.43 -1.28 0.00	62.48 -1.47 0.00	76.45 -1.72 0.00	84.40 -1.81 0.00	103.91 -2.30 -1.83	137.13 -2.43 -4.37	155.44 -2.58 -6.28	125.49 -2.24 -3.26	95.25 -1.94 0.00	81.80 -1.58 0.00	65.78 -1.62 0.00	56.58 -1.51 0.00



LITTLRIV_115KV_TB1 356100	43.69 0.98 0.00	38.03 0.71 0.00	34.42 0.44 0.00	30.47 0.24 0.00	31.50 0.13 0.00	34.45 0.17 0.00	34.53 -0.10 0.00	37.28 -0.38 0.00	40.32 -0.70 0.00	41.91 -0.99 0.00	45.46 -1.17 0.00	49.01 -2.04 0.00	53.59 -2.12 0.00	61.46 -2.49 0.00	75.20 -2.97 0.00	82.68 -3.53 0.00	92.13 -6.89 5.35	59.66 -7.98 67.55	46.35 -8.35 97.04	69.08 -4.98 50.40	94.57 -2.62 0.00	82.72 -0.67 0.00	67.80 0.40 0.00	58.56 0.46 0.00
LI_NEWBRDGE___DRP 323616	45.14 2.43 0.00	39.38 2.05 0.00	35.92 1.94 0.00	32.10 1.87 0.00	33.26 1.88 0.00	36.33 2.06 0.00	36.96 2.32 0.00	40.78 3.13 0.00	44.59 3.57 0.00	46.29 3.39 0.00	49.47 2.84 0.01	54.27 3.22 0.00	59.27 3.57 0.00	67.66 3.71 0.00	82.78 4.61 0.01	91.90 5.69 0.00	117.08 11.38 -1.33	149.57 14.33 -0.06	167.74 15.33 -0.68	139.08 11.57 -3.04	108.19 6.03 -4.98	86.88 3.50 0.01	62.09 2.63 7.93	52.17 1.74 7.66
LOCKPORT_115KV_TB60_63_64 80432	41.77 -0.94 0.00	36.84 -0.49 0.00	33.23 -0.75 0.00	29.83 -0.39 0.00	30.71 -0.66 0.00	33.45 -0.82 0.00	33.94 -0.69 0.00	35.77 -1.88 0.00	39.63 -1.39 0.00	41.53 -1.37 0.00	45.32 -1.31 0.00	50.39 -0.66 0.00	54.98 -0.72 0.00	63.76 -0.19 0.00	77.47 -0.70 0.00	86.90 0.69 0.00	105.00 0.63 0.00	133.84 -1.35 0.00	150.52 -1.21 0.00	123.72 -0.75 0.00	95.83 -1.36 0.00	80.13 -3.25 0.00	65.17 -2.22 0.00	56.53 -1.57 0.00
LOCKPORT___CC1 323769	41.68 -1.03 0.00	36.77 -0.56 0.00	33.16 -0.82 0.00	29.77 -0.45 0.00	30.68 -0.69 0.00	33.39 -0.89 0.00	33.94 -0.69 0.00	35.73 -1.92 0.00	39.63 -1.39 0.00	41.49 -1.41 0.00	45.74 -0.89 0.00	50.49 -0.56 0.00	55.71 0.00 0.00	63.57 -0.38 0.00	77.16 -1.02 0.00	86.82 0.61 0.00	104.69 0.31 0.00	133.30 -1.89 0.00	149.92 -1.81 0.00	123.34 -1.12 0.00	95.45 -1.75 0.00	80.22 -3.17 0.00	65.03 -2.36 0.00	56.41 -1.69 0.00
LOCKPORT___CC2 323770	41.68 -1.03 0.00	36.77 -0.56 0.00	33.16 -0.82 0.00	29.77 -0.45 0.00	30.68 -0.69 0.00	33.39 -0.89 0.00	33.94 -0.69 0.00	35.73 -1.92 0.00	39.63 -1.39 0.00	41.49 -1.41 0.00	45.74 -0.89 0.00	50.49 -0.56 0.00	55.71 0.00 0.00	63.57 -0.38 0.00	77.16 -1.02 0.00	86.82 0.61 0.00	104.69 0.31 0.00	133.30 -1.89 0.00	149.92 -1.81 0.00	123.34 -1.12 0.00	95.45 -1.75 0.00	80.22 -3.17 0.00	65.03 -2.36 0.00	56.41 -1.69 0.00
LOCKPORT___CC3 323771	41.68 -1.03 0.00	36.77 -0.56 0.00	33.16 -0.82 0.00	29.77 -0.45 0.00	30.68 -0.69 0.00	33.39 -0.89 0.00	33.94 -0.69 0.00	35.73 -1.92 0.00	39.63 -1.39 0.00	41.49 -1.41 0.00	45.74 -0.89 0.00	50.49 -0.56 0.00	55.71 0.00 0.00	63.57 -0.38 0.00	77.16 -1.02 0.00	86.82 0.61 0.00	104.69 0.31 0.00	133.30 -1.89 0.00	149.92 -1.81 0.00	123.34 -1.12 0.00	95.45 -1.75 0.00	80.22 -3.17 0.00	65.03 -2.36 0.00	56.41 -1.69 0.00
LOCUSVLY_69_KV_BK2 55797	45.48 2.78 0.00	39.71 2.39 0.00	36.22 2.24 0.00	32.34 2.12 0.00	33.51 2.13 0.00	36.61 2.33 0.00	37.27 2.63 0.00	41.08 3.43 0.00	44.96 3.94 0.00	46.85 3.95 0.00	50.26 3.64 0.00	55.24 4.19 0.00	60.22 4.51 0.00	68.81 4.86 0.00	84.35 6.18 0.00	93.63 7.41 0.00	118.75 13.05 -1.33	151.87 16.63 -0.06	170.01 17.60 -0.68	140.94 13.44 -3.04	109.85 7.68 -4.98	88.31 4.92 0.00	68.16 3.30 2.54	58.08 2.44 2.45
LONG_LAKE_PHOENIX 24014	42.24 -0.47 0.00	36.91 -0.41 0.00	33.57 -0.41 0.00	29.89 -0.33 0.00	31.03 -0.35 0.00	33.90 -0.38 0.00	34.46 -0.17 0.00	37.43 -0.23 0.00	40.90 -0.12 0.00	42.81 -0.09 0.00	46.54 -0.09 0.00	51.05 0.00 0.00	55.71 0.00 0.00	64.14 0.19 0.00	78.41 0.23 0.00	86.82 0.60 0.00	105.42 1.04 0.00	143.44 1.49 -6.76	163.12 1.67 -9.71	131.12 1.62 -5.04	98.17 0.97 0.00	83.47 0.08 0.00	67.13 -0.27 0.00	57.75 -0.35 0.00
LOVETT___3 23632	44.29 1.58 0.00	38.78 1.46 0.00	35.44 1.46 0.00	31.64 1.42 0.00	32.78 1.41 0.00	35.89 1.61 0.00	36.61 1.97 0.00	40.06 2.41 0.00	43.69 2.67 0.00	45.82 2.92 0.00	49.61 2.98 0.00	54.22 3.17 0.00	59.22 3.51 0.00	67.73 3.77 0.00	82.94 4.77 0.00	91.82 5.60 0.00	115.01 9.39 -1.24	147.14 11.90 -0.05	164.81 12.44 -0.63	136.88 9.46 -2.95	108.15 6.12 -4.84	87.31 3.92 0.00	69.55 2.16 0.00	60.07 1.98 0.00
LOVETT___4 23642	44.29 1.58 0.00	38.78 1.46 0.00	35.44 1.46 0.00	31.64 1.42 0.00	32.78 1.41 0.00	35.89 1.61 0.00	36.61 1.97 0.00	40.06 2.41 0.00	43.69 2.67 0.00	45.82 2.92 0.00	49.61 2.98 0.00	54.22 3.17 0.00	59.22 3.51 0.00	67.73 3.77 0.00	82.94 4.77 0.00	91.82 5.60 0.00	115.01 9.39 -1.24	147.14 11.90 -0.05	164.81 12.44 -0.63	136.88 9.46 -2.95	108.15 6.12 -4.84	87.31 3.92 0.00	69.55 2.16 0.00	60.07 1.98 0.00
LOVETT___5 23593	44.29 1.58 0.00	38.78 1.46 0.00	35.44 1.46 0.00	31.64 1.42 0.00	32.78 1.41 0.00	35.89 1.61 0.00	36.61 1.97 0.00	40.06 2.41 0.00	43.69 2.67 0.00	45.82 2.92 0.00	49.61 2.98 0.00	54.22 3.17 0.00	59.22 3.51 0.00	67.73 3.77 0.00	82.94 4.77 0.00	91.82 5.60 0.00	115.01 9.39 -1.24	147.14 11.90 -0.05	164.81 12.44 -0.63	136.88 9.46 -2.95	108.15 6.12 -4.84	87.31 3.92 0.00	69.55 2.16 0.00	60.07 1.98 0.00
LOWER RAQUET___HYD 24057	43.22 0.51 0.00	37.62 0.30 0.00	34.08 0.10 0.00	30.16 -0.06 0.00	31.12 -0.25 0.00	34.00 -0.28 0.00	34.08 -0.56 0.00	36.86 -0.79 0.00	39.95 -1.07 0.00	41.57 -1.33 0.00	45.04 -1.59 0.00	48.50 -2.55 0.00	52.87 -2.84 0.00	60.62 -3.33 0.00	74.11 -4.07 0.00	81.30 -4.91 0.00	91.01 -8.14 5.22	53.23 -10.14 71.81	37.50 -11.07 103.16	63.28 -7.60 53.58	92.34 -4.86 0.00	80.80 -2.59 0.00	66.39 -1.01 0.00	57.51 -0.58 0.00
LOWER___HUDSON 24059	43.90 1.19 0.00	38.41 1.08 0.00	35.20 1.22 0.00	31.40 1.18 0.00	32.56 1.19 0.00	35.58 1.30 0.00	36.16 1.52 0.00	39.39 1.73 0.00	42.70 1.68 0.00	44.62 1.72 0.00	48.40 1.77 0.00	52.99 1.94 0.00	57.94 2.23 0.00	66.44 2.49 0.00	81.22 3.05 0.00	89.75 3.54 0.00	119.49 5.63 -9.49	143.15 7.57 -0.40	165.22 8.64 -4.84	157.05 6.72 -25.87	144.42 4.86 -42.36	86.97 3.58 0.00	69.82 2.42 0.00	60.01 1.91 0.00
LOWVILLE_115KV_TB2 356335	43.65 0.94 0.00	38.11 0.78 0.00	34.56 0.58 0.00	30.71 0.48 0.00	31.91 0.53 0.00	35.07 0.79 0.00	35.54 0.90 0.00	38.56 0.90 0.00	41.88 0.86 0.00	43.54 0.64 0.00	47.14 0.51 0.00	51.46 0.41 0.00	56.04 0.33 0.00	63.95 0.00 0.00	78.41 0.23 0.00	86.65 0.43 0.00	104.46 0.63 0.54	196.32 2.30 -58.84	239.90 3.64 -84.52	173.96 5.60 -43.90	100.60 3.40 0.00	87.14 3.75 0.00	70.02 2.63 0.00	60.01 1.92 0.00
LUTHERFT_115KV_GLOB_FND_222 355753	44.50 1.79 0.00	38.93 1.60 0.00	35.58 1.60 0.00	31.67 1.45 0.00	32.88 1.51 0.00	35.96 1.68 0.00	36.51 1.87 0.00	39.72 2.07 0.00	43.07 2.05 0.00	44.92 2.02 0.00	48.77 2.14 0.00	53.35 2.30 0.00	58.44 2.73 0.00	66.96 3.01 0.00	82.01 3.83 0.00	90.70 4.48 0.00	116.93 6.78 -5.78	144.89 9.46 -0.24	166.02 11.38 -2.91	164.65 9.33 -30.85	154.71 7.00 -50.52	88.72 5.34 0.00	71.17 3.77 0.00	61.06 2.96 0.00



LUTHERNY_35_KV_BK2 355980	44.50 1.79 0.00	38.93 1.60 0.00	35.58 1.60 0.00	31.71 1.48 0.00	32.91 1.54 0.00	35.99 1.71 0.00	36.54 1.90 0.00	39.76 2.11 0.00	43.07 2.05 0.00	44.96 2.06 0.00	48.77 2.14 0.00	53.40 2.35 0.00	58.44 2.73 0.00	67.02 3.07 0.00	82.08 3.91 0.00	90.78 4.57 0.00	117.04 6.89 -5.78	145.17 9.73 -0.24	166.33 11.68 -2.91	164.77 9.46 -30.85	154.81 7.10 -50.52	88.81 5.42 0.00	71.24 3.84 0.00	61.11 3.02 0.00
LWR___OSWEGATCHIE_HYD 23850	43.39 0.68 0.00	37.81 0.49 0.00	34.28 0.31 0.00	30.38 0.15 0.00	31.47 0.09 0.00	34.48 0.21 0.00	34.81 0.17 0.00	37.69 0.04 0.00	40.90 -0.12 0.00	42.56 -0.34 0.00	46.12 -0.51 0.00	49.98 -1.07 0.00	54.48 -1.23 0.00	62.10 -1.85 0.00	75.99 -2.19 0.00	83.80 -2.41 0.00	97.23 -3.97 3.18	271.70 -3.92 -140.43	230.00 -3.64 -81.91	228.24 -1.00 -104.78	96.51 -0.68 0.00	84.22 0.83 0.00	68.34 0.94 0.00	58.79 0.70 0.00
LYONS_FALL_HYD 23570	43.69 0.98 0.00	38.15 0.82 0.00	34.62 0.64 0.00	30.77 0.54 0.00	32.00 0.63 0.00	35.13 0.86 0.00	35.60 0.97 0.00	38.67 1.02 0.00	42.09 1.06 0.00	43.80 0.90 0.00	47.51 0.88 0.00	51.92 0.87 0.00	56.65 0.95 0.00	64.91 0.96 0.00	79.50 1.33 0.00	88.11 1.89 0.00	106.57 2.20 0.00	178.19 3.92 -39.08	213.04 5.16 -56.14	159.59 5.97 -29.16	101.09 3.89 0.00	87.14 3.76 0.00	69.96 2.56 0.00	60.01 1.91 0.00
MADISON___COUNTY_LFGE 323628	43.99 1.28 0.00	38.44 1.12 0.00	34.93 0.95 0.00	31.04 0.82 0.00	32.28 0.91 0.00	35.41 1.13 0.00	35.95 1.32 0.00	39.08 1.43 0.00	42.58 1.56 0.00	44.40 1.50 0.00	48.26 1.63 0.00	52.89 1.84 0.00	57.77 2.06 0.00	66.64 2.69 0.00	81.61 3.44 0.00	89.49 3.28 0.00	109.59 4.38 -0.83	154.27 6.62 -12.45	177.37 7.74 -17.89	140.73 6.97 -9.29	102.25 5.05 0.00	87.31 3.92 0.00	69.96 2.56 0.00	60.07 1.98 0.00
MALONE___115KV_TB1 356076	43.18 0.47 0.00	37.47 0.15 0.00	33.94 -0.03 0.00	30.04 -0.18 0.00	31.09 -0.28 0.00	33.90 -0.38 0.00	34.08 -0.55 0.00	36.86 -0.79 0.00	40.00 -1.03 0.00	41.61 -1.29 0.00	45.32 -1.31 0.00	49.17 -1.89 0.00	53.98 -1.73 0.00	61.71 -2.24 0.00	75.28 -2.89 0.00	82.59 -3.62 0.00	91.72 -6.37 6.29	90.47 -7.84 36.88	90.41 -8.35 52.98	91.10 -5.85 27.52	93.21 -3.98 0.00	81.22 -2.17 0.00	66.25 -1.15 0.00	57.16 -0.93 0.00
MAPLEWOD_115KV_TB3 80458	43.43 0.73 0.00	38.03 0.71 0.00	34.90 0.92 0.00	31.13 0.91 0.00	32.28 0.91 0.00	35.24 0.96 0.00	35.81 1.18 0.00	39.01 1.36 0.00	42.33 1.31 0.00	44.23 1.33 0.00	48.03 1.40 0.00	52.53 1.48 0.00	57.49 1.78 0.00	65.93 1.98 0.00	80.52 2.35 0.00	88.89 2.67 0.00	119.32 4.59 -10.35	141.84 6.22 -0.43	163.97 6.98 -5.25	150.69 5.35 -20.88	135.08 3.69 -34.19	85.97 2.58 0.00	69.01 1.62 0.00	59.37 1.28 0.00
MAPLE_RIDGE_WT_1 323574	42.02 -0.68 0.00	36.58 -0.75 0.00	33.23 -0.75 0.00	29.53 -0.69 0.00	30.62 -0.75 0.00	33.45 -0.82 0.00	33.77 -0.86 0.00	36.75 -0.90 0.00	40.12 -0.90 0.00	42.00 -0.90 0.00	45.74 -0.89 0.00	50.03 -1.02 0.00	54.71 -1.00 0.00	62.73 -1.22 0.00	76.69 -1.49 0.00	84.24 -1.98 0.00	81.69 -2.61 20.08	126.76 -3.25 5.19	140.95 -3.34 7.45	118.10 -2.49 3.87	95.25 -1.94 0.00	81.80 -1.59 0.00	66.31 -1.08 0.00	57.11 -0.99 0.00
MAPLE_RIDGE_WT_2 323611	42.02 -0.68 0.00	36.58 -0.75 0.00	33.23 -0.75 0.00	29.53 -0.69 0.00	30.62 -0.75 0.00	33.45 -0.82 0.00	33.77 -0.86 0.00	36.75 -0.90 0.00	40.12 -0.90 0.00	42.00 -0.90 0.00	45.74 -0.89 0.00	50.03 -1.02 0.00	54.71 -1.00 0.00	62.73 -1.22 0.00	76.69 -1.49 0.00	84.24 -1.98 0.00	81.69 -2.61 20.08	126.76 -3.25 5.19	140.95 -3.34 7.45	118.10 -2.49 3.87	95.25 -1.94 0.00	81.80 -1.59 0.00	66.31 -1.08 0.00	57.11 -0.99 0.00
MARBLE_RIVER_WT_PWR 323696	42.62 -0.09 0.00	36.99 -0.34 0.00	33.54 -0.44 0.00	29.68 -0.54 0.00	30.78 -0.60 0.00	33.52 -0.75 0.00	33.63 -1.01 0.00	36.45 -1.21 0.00	39.58 -1.44 0.00	41.18 -1.72 0.00	44.76 -1.87 0.00	48.71 -2.35 0.00	53.20 -2.51 0.00	61.01 -2.94 0.00	74.42 -3.75 0.00	81.56 -4.66 0.00	90.68 -6.89 6.80	106.27 -8.79 20.14	113.25 -9.55 28.93	102.21 -7.22 15.03	92.04 -5.15 0.00	79.80 -3.58 0.00	65.03 -2.36 0.00	56.12 -1.98 0.00
MARSHVLE_115KV_TB1 80742	46.64 3.93 0.00	40.76 3.43 0.00	37.10 3.13 0.00	33.00 2.78 0.00	34.32 2.95 0.00	37.60 3.32 0.00	38.00 3.36 0.00	40.78 3.13 0.00	44.55 3.53 0.00	46.25 3.35 0.00	50.31 3.68 0.00	55.19 4.14 0.00	60.50 4.79 0.00	69.13 5.18 0.00	84.43 6.25 0.00	93.37 7.16 0.00	116.45 8.87 -3.20	148.30 12.98 -0.13	169.91 16.84 -1.33	168.83 15.68 -28.69	156.70 12.54 -46.97	93.89 10.51 0.00	75.15 7.75 0.00	64.31 6.22 0.00
MARSH_HILL_WT_PWR 323713	42.75 0.04 0.00	37.44 0.11 0.00	33.74 -0.24 0.00	30.13 -0.09 0.00	31.22 -0.16 0.00	34.07 -0.20 0.00	34.88 0.24 0.00	37.13 -0.53 0.00	40.82 -0.20 0.00	42.69 -0.21 0.00	46.82 0.19 0.00	51.67 0.61 0.00	56.65 0.95 0.00	65.10 1.15 0.00	79.19 1.01 0.00	88.97 2.76 0.00	108.02 3.65 0.00	139.11 3.92 0.00	157.19 5.45 0.00	131.11 5.85 -0.80	102.40 3.89 -1.31	84.97 1.58 0.00	68.21 0.81 0.00	58.56 0.46 0.00
MCINTYRE_115KV_TB2 80467	43.86 1.15 0.00	38.18 0.86 0.00	34.56 0.58 0.00	30.56 0.33 0.00	31.66 0.28 0.00	34.62 0.34 0.00	34.71 0.07 0.00	37.39 -0.26 0.00	40.41 -0.62 0.00	41.96 -0.94 0.00	45.56 -1.07 0.00	49.22 -1.84 0.00	53.93 -1.78 0.00	61.84 -2.11 0.00	75.75 -2.42 0.00	83.37 -2.85 0.00	92.55 -6.26 5.56	67.60 -6.89 60.70	57.71 -6.83 87.20	75.44 -3.73 45.29	95.74 -1.46 0.00	83.72 0.33 0.00	68.54 1.15 0.00	59.20 1.10 0.00
MECO_____69_KV_BK1 80468	46.55 3.84 0.00	40.68 3.36 0.00	37.04 3.06 0.00	32.94 2.72 0.00	34.29 2.92 0.00	37.57 3.29 0.00	38.03 3.39 0.00	41.04 3.39 0.00	44.59 3.57 0.00	46.33 3.43 0.00	50.41 3.78 0.00	55.24 4.19 0.00	60.55 4.85 0.00	69.32 5.37 0.00	84.82 6.64 0.00	93.97 7.76 0.00	117.91 10.33 -3.20	150.47 15.14 -0.13	172.13 18.97 -1.43	172.05 16.80 -30.78	160.62 13.02 -50.40	93.89 10.51 0.00	75.21 7.82 0.00	64.31 6.22 0.00
MENANDS___115KV_TB5 355628	43.09 0.38 0.00	37.77 0.45 0.00	34.66 0.68 0.00	30.98 0.76 0.00	32.09 0.72 0.00	35.03 0.75 0.00	35.61 0.97 0.00	38.78 1.13 0.00	42.09 1.07 0.00	43.97 1.07 0.00	47.75 1.12 0.00	52.23 1.17 0.00	57.10 1.39 0.00	65.49 1.53 0.00	79.97 1.80 0.00	88.20 1.98 0.00	116.97 3.76 -8.84	140.70 5.14 -0.37	161.68 5.46 -4.49	148.47 3.98 -20.02	132.61 2.62 -32.79	85.22 1.83 0.00	68.34 0.94 0.00	58.85 0.76 0.00
MG INDUSTRY___DRP 24185	42.24 -0.47 0.00	37.03 -0.30 0.00	33.94 -0.03 0.00	30.28 0.06 0.00	31.40 0.03 0.00	34.28 0.00 0.00	34.74 0.10 0.00	37.80 0.15 0.00	41.02 0.00 0.00	42.60 -0.09 0.22	46.44 -0.19 0.00	50.80 -0.26 0.00	55.49 -0.22 0.00	63.63 -0.32 0.00	75.06 -0.39 2.73	80.71 -0.52 4.98	93.04 0.52 11.85	135.77 1.08 0.50	147.03 1.37 6.07	137.53 0.62 -12.44	117.76 0.19 -20.37	83.30 -0.08 0.00	66.92 -0.47 0.00	57.69 -0.41 0.00



MID___OSWEGATCHIE_HYD 23849	43.39 0.68 0.00	37.81 0.49 0.00	34.28 0.31 0.00	30.38 0.15 0.00	31.47 0.09 0.00	34.48 0.21 0.00	34.81 0.17 0.00	37.69 0.04 0.00	40.90 -0.12 0.00	42.56 -0.34 0.00	46.12 -0.51 0.00	49.98 -1.07 0.00	54.48 -1.23 0.00	62.10 -1.85 0.00	75.99 -2.19 0.00	83.80 -2.41 0.00	97.23 -3.97 3.18	271.70 -3.92 -140.43	230.00 -3.64 -81.91	228.24 -1.00 -104.78	96.51 -0.68 0.00	84.22 0.83 0.00	68.34 0.94 0.00	58.79 0.70 0.00
MID___RAQUETTE_HYD 23851	43.22 0.51 0.00	37.62 0.30 0.00	34.08 0.10 0.00	30.16 -0.06 0.00	31.12 -0.25 0.00	34.00 -0.27 0.00	34.08 -0.55 0.00	36.86 -0.79 0.00	39.95 -1.07 0.00	41.57 -1.33 0.00	45.09 -1.54 0.00	48.50 -2.55 0.00	52.98 -2.73 0.00	60.63 -3.33 0.00	74.11 -4.07 0.00	81.39 -4.83 0.00	90.70 -8.45 5.22	53.24 -10.14 71.81	37.50 -11.08 103.16	63.41 -7.47 53.58	92.43 -4.76 0.00	80.89 -2.50 0.00	66.45 -0.94 0.00	57.51 -0.58 0.00
MILLIKEN___1 23584	43.56 0.85 0.00	38.11 0.78 0.00	34.59 0.61 0.00	30.80 0.57 0.00	31.97 0.60 0.00	34.96 0.69 0.00	35.61 0.97 0.00	38.56 0.90 0.00	42.13 1.11 0.00	44.02 1.12 0.00	47.80 1.17 0.00	52.64 1.58 0.00	57.44 1.73 0.00	66.25 2.30 0.00	81.07 2.89 0.00	90.01 3.79 0.00	109.49 5.11 0.00	142.35 7.17 0.00	160.38 8.65 0.00	132.91 7.59 -0.86	104.05 5.44 -1.41	86.97 3.59 0.00	69.75 2.36 0.00	59.95 1.86 0.00
MILLIKEN___2 23585	43.56 0.85 0.00	38.11 0.78 0.00	34.59 0.61 0.00	30.80 0.57 0.00	31.97 0.60 0.00	34.96 0.69 0.00	35.61 0.97 0.00	38.56 0.90 0.00	42.13 1.11 0.00	44.02 1.12 0.00	47.80 1.17 0.00	52.64 1.58 0.00	57.44 1.73 0.00	66.25 2.30 0.00	81.07 2.89 0.00	90.01 3.79 0.00	109.49 5.11 0.00	142.35 7.17 0.00	160.38 8.65 0.00	132.91 7.59 -0.86	104.05 5.44 -1.41	86.97 3.59 0.00	69.75 2.36 0.00	59.95 1.86 0.00
MILLIKEN___DIESEL 23629	43.56 0.85 0.00	38.11 0.78 0.00	34.59 0.61 0.00	30.80 0.57 0.00	31.97 0.60 0.00	34.96 0.69 0.00	35.61 0.97 0.00	38.56 0.90 0.00	42.13 1.11 0.00	44.02 1.12 0.00	47.80 1.17 0.00	52.64 1.58 0.00	57.44 1.73 0.00	66.25 2.30 0.00	81.07 2.89 0.00	90.01 3.79 0.00	109.49 5.11 0.00	142.35 7.17 0.00	160.38 8.65 0.00	132.91 7.59 -0.86	104.05 5.44 -1.41	86.97 3.59 0.00	69.75 2.36 0.00	59.95 1.86 0.00
MILLSEAT___LFGE 323607	42.88 0.17 0.00	37.59 0.26 0.00	33.91 -0.07 0.00	30.38 0.15 0.00	31.40 0.03 0.00	34.17 -0.10 0.00	34.78 0.14 0.00	36.83 -0.83 0.00	40.74 -0.29 0.00	42.64 -0.26 0.00	47.14 0.51 0.00	52.13 1.07 0.00	57.44 1.73 0.00	65.81 1.86 0.00	80.05 1.87 0.00	90.00 3.79 0.00	107.61 3.24 0.00	137.75 2.56 0.00	155.23 3.49 0.00	127.82 3.36 0.00	98.95 1.75 0.00	83.05 -0.33 0.00	67.13 -0.27 0.00	57.98 -0.12 0.00
MILLWOOD_138_KV_38W41_REV_LBMP_H 345005	44.46 1.75 0.00	38.93 1.60 0.00	35.54 1.56 0.00	31.74 1.51 0.00	32.91 1.54 0.00	35.99 1.71 0.00	36.75 2.11 0.00	40.21 2.56 0.00	43.89 2.87 0.00	46.08 3.17 0.00	49.89 3.26 0.00	54.53 3.47 0.00	59.50 3.79 0.00	68.04 4.09 0.00	83.33 5.16 0.00	92.25 6.04 0.00	115.61 9.92 -1.32	147.95 12.71 -0.06	165.76 13.35 -0.67	137.57 10.08 -3.03	108.85 6.71 -4.95	87.72 4.34 0.00	69.82 2.43 0.00	60.30 2.21 0.00
MILLWOOD_13_KV_LOAD 356217	44.59 1.88 0.00	39.04 1.72 0.00	35.64 1.66 0.00	31.83 1.60 0.00	32.97 1.60 0.00	36.09 1.82 0.00	36.82 2.18 0.00	40.33 2.67 0.00	44.02 2.99 0.00	46.20 3.30 0.00	50.08 3.45 0.00	54.68 3.62 0.00	59.72 4.01 0.00	68.30 4.35 0.00	83.65 5.47 0.00	92.59 6.38 0.00	116.24 10.54 -1.32	148.63 13.38 -0.06	166.67 14.26 -0.67	138.32 10.83 -3.03	109.34 7.19 -4.95	88.14 4.75 0.00	70.09 2.70 0.00	60.53 2.44 0.00
MODEL_CITY_ENERGY 24167	41.43 -1.28 0.00	36.61 -0.71 0.00	33.03 -0.95 0.00	29.65 -0.58 0.00	30.56 -0.82 0.00	33.25 -1.03 0.00	33.67 -0.97 0.00	35.36 -2.30 0.00	39.22 -1.80 0.00	41.06 -1.84 0.00	45.23 -1.40 0.00	50.14 -0.92 0.00	55.26 -0.45 0.00	63.19 -0.76 0.00	76.77 -1.40 0.00	86.47 0.26 0.00	104.16 -0.21 0.00	132.62 -2.57 0.00	149.16 -2.58 0.00	122.60 -1.86 0.00	94.96 -2.23 0.00	79.72 -3.67 0.00	64.70 -2.70 0.00	56.23 -1.86 0.00
MODERN_LFGE___ 323580	41.43 -1.28 0.00	36.61 -0.71 0.00	33.03 -0.95 0.00	29.65 -0.58 0.00	30.56 -0.82 0.00	33.25 -1.03 0.00	33.67 -0.97 0.00	35.36 -2.30 0.00	39.22 -1.80 0.00	41.06 -1.84 0.00	45.23 -1.40 0.00	50.14 -0.92 0.00	55.26 -0.45 0.00	63.19 -0.76 0.00	76.77 -1.40 0.00	86.47 0.26 0.00	104.16 -0.21 0.00	132.62 -2.57 0.00	149.16 -2.58 0.00	122.60 -1.86 0.00	94.96 -2.23 0.00	79.72 -3.67 0.00	64.70 -2.70 0.00	56.23 -1.86 0.00
MOHAWK_PAPER___DRP 24187	43.43 0.73 0.00	38.03 0.71 0.00	34.90 0.92 0.00	31.13 0.91 0.00	32.28 0.91 0.00	35.24 0.96 0.00	35.81 1.18 0.00	39.01 1.36 0.00	42.33 1.31 0.00	44.23 1.33 0.00	48.03 1.40 0.00	52.53 1.48 0.00	57.49 1.78 0.00	65.93 1.98 0.00	80.52 2.35 0.00	88.89 2.67 0.00	119.32 4.59 -10.35	141.84 6.22 -0.43	163.97 6.98 -5.25	150.69 5.35 -20.88	135.08 3.69 -34.19	85.97 2.58 0.00	69.01 1.62 0.00	59.37 1.28 0.00
MOHICAN___35_KV_115KV_LD 80490	44.72 2.01 0.00	39.12 1.79 0.00	35.71 1.73 0.00	31.77 1.54 0.00	33.04 1.66 0.00	36.13 1.85 0.00	36.71 2.08 0.00	39.95 2.30 0.00	43.24 2.22 0.00	45.05 2.15 0.00	48.73 2.10 0.00	53.35 2.30 0.00	58.44 2.73 0.00	66.96 3.01 0.00	82.08 3.91 0.00	90.96 4.74 0.00	117.27 7.31 -5.59	145.97 10.54 -0.23	168.05 13.50 -2.81	166.76 11.20 -31.09	156.76 8.65 -50.91	89.89 6.50 0.00	72.05 4.65 0.00	61.64 3.54 0.00
MONGAUP___HYD 23641	44.33 1.62 0.00	38.74 1.42 0.00	35.37 1.39 0.00	31.52 1.30 0.00	32.69 1.32 0.00	35.82 1.54 0.00	36.51 1.87 0.00	39.76 2.11 0.00	43.24 2.21 0.00	45.26 2.36 0.00	48.91 2.28 0.00	53.56 2.50 0.00	58.60 2.89 0.00	67.28 3.32 0.00	82.47 4.30 0.00	91.47 5.26 0.00	114.30 8.87 -1.06	145.64 10.41 -0.04	164.26 11.98 -0.54	137.19 9.96 -2.77	109.21 7.48 -4.54	88.73 5.34 0.00	70.63 3.23 0.00	60.77 2.67 0.00
MONTAUK___DIESEL 23721	46.38 3.67 0.00	40.35 3.02 0.00	36.73 2.75 0.00	32.88 2.66 0.00	34.04 2.67 0.00	37.12 2.85 0.00	37.37 2.74 0.00	41.38 3.73 0.00	45.29 4.27 0.00	46.85 3.95 0.00	50.12 3.50 0.01	55.19 4.44 0.31	60.22 4.79 0.27	68.88 4.92 0.00	83.95 6.02 0.24	94.32 8.10 0.00	121.69 15.97 -1.34	185.68 20.82 -29.67	195.67 22.46 -21.48	144.69 17.18 -3.05	110.82 8.65 -4.97	87.59 5.17 0.96	63.72 3.37 7.05	54.32 3.08 6.85
MOONROAD_115KV_HARTFLD_TB1-2 355988	42.24 -0.47 0.00	36.91 -0.41 0.00	33.06 -0.92 0.00	29.56 -0.66 0.00	30.46 -0.91 0.00	33.28 -0.99 0.00	34.12 -0.52 0.00	36.30 -1.36 0.00	40.45 -0.57 0.00	42.60 -0.30 0.00	46.58 -0.05 0.00	51.87 0.82 0.00	56.99 1.28 0.00	66.38 2.43 0.00	80.75 2.58 0.00	91.04 4.83 0.00	110.53 6.16 0.00	140.73 5.54 0.00	158.41 6.68 0.00	130.44 5.97 0.00	100.69 3.50 0.00	83.64 0.25 0.00	67.26 -0.13 0.00	57.63 -0.46 0.00



MORRIS_RIDGE___SOLAR 323848	42.24 -0.47 0.00	37.07 -0.26 0.00	33.43 -0.54 0.00	29.89 -0.33 0.00	30.90 -0.47 0.00	33.66 -0.62 0.00	34.36 -0.28 0.00	36.37 -1.28 0.00	40.00 -1.02 0.00	41.83 -1.07 0.00	45.88 -0.75 0.00	50.70 -0.35 0.00	55.71 0.00 0.00	63.95 0.00 0.00	77.79 -0.39 0.00	87.33 1.12 0.00	105.94 1.57 0.00	136.14 0.95 0.00	153.70 1.97 0.00	128.22 2.98 -0.77	100.30 1.84 -1.26	83.22 -0.17 0.00	67.06 -0.34 0.00	57.69 -0.40 0.00
MORTIMER_115KV_TB3 55949	42.84 0.13 0.00	37.36 0.04 0.00	33.84 -0.14 0.00	30.19 -0.03 0.00	31.28 -0.09 0.00	34.11 -0.17 0.00	34.77 0.14 0.00	37.54 -0.11 0.00	41.31 0.29 0.00	43.29 0.39 0.00	47.33 0.70 0.00	52.48 1.43 0.00	56.99 1.28 0.00	66.13 2.17 0.00	80.52 2.35 0.00	89.92 3.71 0.00	108.97 4.59 0.00	139.92 4.73 0.00	157.50 5.77 0.00	129.19 4.73 0.00	100.30 3.11 0.00	84.47 1.08 0.00	68.27 0.88 0.00	58.79 0.70 0.00
MOTTHAVN_138_KV_9M4_REV_LBMP_J 345006	44.84 2.14 0.00	39.27 1.94 0.00	35.85 1.87 0.00	31.98 1.75 0.00	33.16 1.79 0.00	36.30 2.02 0.00	37.10 2.46 0.00	40.67 3.01 0.00	44.43 3.40 0.00	46.69 3.78 -0.02	50.57 3.92 -0.02	55.14 4.08 0.00	60.11 4.40 0.00	68.62 4.67 0.00	84.12 5.94 0.00	93.11 6.90 0.00	116.98 11.27 -1.33	149.44 14.19 -0.06	167.28 14.87 -0.68	138.83 11.33 -3.04	109.65 7.48 -4.98	88.31 4.92 0.00	70.23 2.83 0.00	60.71 2.61 0.00
MUNSVILLE_WIND_PWR 323609	45.36 2.65 0.00	39.64 2.31 0.00	35.88 1.90 0.00	31.95 1.72 0.00	33.29 1.91 0.00	36.68 2.40 0.00	37.48 2.84 0.00	40.55 2.90 0.00	44.26 3.24 0.00	46.03 3.13 0.00	49.84 3.21 0.00	54.99 3.93 0.00	60.22 4.51 0.00	69.90 5.95 0.00	85.76 7.58 0.00	95.95 9.74 0.00	116.79 12.41 0.00	153.57 18.38 0.00	173.73 21.99 0.00	145.39 18.91 -2.02	114.59 14.09 -3.30	94.06 10.68 0.00	74.61 7.21 0.00	63.79 5.70 0.00
N SALMON___HYD 24042	43.18 0.47 0.00	37.47 0.15 0.00	33.94 -0.03 0.00	30.04 -0.18 0.00	31.09 -0.28 0.00	33.90 -0.38 0.00	34.08 -0.56 0.00	36.86 -0.79 0.00	40.00 -1.02 0.00	41.61 -1.29 0.00	45.32 -1.31 0.00	49.17 -1.89 0.00	53.76 -1.95 0.00	61.71 -2.24 0.00	75.28 -2.89 0.00	82.51 -3.70 0.00	91.82 -6.26 6.29	90.47 -7.84 36.88	90.41 -8.35 52.98	91.10 -5.85 27.52	93.12 -4.08 0.00	81.22 -2.17 0.00	66.18 -1.21 0.00	57.16 -0.93 0.00
N.AKRON__115KV_KNAPP 355671	42.58 -0.13 0.00	37.40 0.07 0.00	33.74 -0.24 0.00	30.25 0.03 0.00	31.18 -0.19 0.00	33.97 -0.31 0.00	34.53 -0.10 0.00	36.52 -1.13 0.00	40.45 -0.57 0.00	42.34 -0.56 0.00	46.30 -0.33 0.00	51.51 0.46 0.00	56.21 0.50 0.00	65.23 1.28 0.00	79.35 1.17 0.00	88.46 2.24 0.00	107.09 2.71 0.00	136.95 1.76 0.00	154.32 2.58 0.00	126.83 2.36 0.00	98.26 1.07 0.00	82.05 -1.33 0.00	66.65 -0.74 0.00	57.63 -0.46 0.00
N.E_GEN_SANDY PD 24062	43.82 1.11 0.00	38.41 1.08 0.00	35.20 1.22 0.00	31.46 1.24 0.00	32.60 1.22 0.00	35.61 1.34 0.00	37.30 1.63 -1.04	42.30 1.92 -2.73	42.95 1.93 0.00	44.96 2.06 0.00	48.78 2.15 0.00	53.30 2.24 0.00	58.16 2.45 0.00	66.70 2.75 0.00	81.46 3.28 0.00	90.10 3.88 0.00	115.21 6.47 -4.36	143.62 8.25 -0.18	162.76 8.80 -2.23	139.27 6.59 -8.22	111.75 4.57 -9.99	90.10 3.25 -3.46	69.35 1.96 0.00	59.72 1.62 0.00
N.HEMPST_138_KV_BK345_REV_LBMP_G 345014	44.37 1.67 0.00	38.86 1.53 0.00	35.47 1.50 0.00	31.67 1.45 0.00	32.85 1.47 0.00	35.92 1.65 0.00	36.68 2.04 0.00	40.10 2.45 0.00	43.73 2.71 0.00	45.90 3.00 0.00	49.71 3.08 0.00	54.37 3.32 0.00	59.38 3.68 0.00	67.92 3.97 0.00	83.18 5.00 0.00	92.08 5.86 0.00	115.41 9.81 -1.23	147.68 12.44 -0.05	165.56 13.20 -0.63	137.36 9.96 -2.94	108.52 6.51 -4.82	87.64 4.25 0.00	69.82 2.43 0.00	60.24 2.15 0.00
N.QUEENS_27_KV_LOAD 356247	45.23 2.52 0.00	39.56 2.24 0.00	36.12 2.14 0.00	32.19 1.96 0.00	33.38 2.01 0.00	36.57 2.30 0.00	37.37 2.74 0.00	40.89 3.24 0.00	44.67 3.65 0.00	47.02 4.12 0.00	50.70 4.06 -0.02	55.80 4.75 0.00	60.67 4.96 -0.01	68.49 4.54 0.00	83.88 5.71 0.00	92.94 6.72 0.00	116.66 10.96 -1.33	149.17 13.92 -0.06	166.83 14.41 -0.68	138.45 10.95 -3.04	109.46 7.29 -4.98	88.06 4.67 0.00	69.96 2.56 0.00	60.60 2.50 -0.01
N.TROY___115KV_TB1 355778	43.90 1.20 0.00	38.41 1.08 0.00	35.20 1.22 0.00	31.40 1.18 0.00	32.56 1.19 0.00	35.58 1.30 0.00	36.16 1.52 0.00	39.39 1.73 0.00	42.70 1.68 0.00	44.62 1.72 0.00	48.45 1.82 0.00	52.99 1.94 0.00	57.99 2.28 0.00	66.45 2.49 0.00	81.22 3.05 0.00	89.75 3.53 0.00	119.56 5.64 -9.55	143.16 7.57 -0.40	165.23 8.65 -4.84	157.06 6.72 -25.87	144.32 4.76 -42.36	86.97 3.59 0.00	69.82 2.43 0.00	60.01 1.92 0.00
NARROWS_GT1_1 24228	45.32 2.61 -0.01	39.65 2.31 -0.01	36.16 2.18 -0.01	32.26 2.03 -0.01	33.45 2.07 -0.01	36.58 2.30 -0.01	37.38 2.74 -0.01	40.94 3.27 -0.01	44.76 3.73 -0.01	47.08 4.16 -0.02	50.66 4.01 -0.02	55.39 4.34 0.00	60.06 4.35 0.00	68.23 4.29 0.01	83.72 5.55 0.01	92.76 6.55 0.01	116.65 10.96 -1.32	148.89 13.65 -0.05	166.83 14.42 -0.67	138.32 10.82 -3.03	109.45 7.29 -4.97	88.21 4.83 0.01	70.09 2.70 0.01	60.59 2.50 0.00
NARROWS_GT1_2 24229	45.32 2.61 -0.01	39.65 2.31 -0.01	36.16 2.18 -0.01	32.26 2.03 -0.01	33.45 2.07 -0.01	36.58 2.30 -0.01	37.38 2.74 -0.01	40.94 3.27 -0.01	44.76 3.73 -0.01	47.08 4.16 -0.02	50.66 4.01 -0.02	55.39 4.34 0.00	60.06 4.35 0.00	68.23 4.29 0.01	83.72 5.55 0.01	92.76 6.55 0.01	116.65 10.96 -1.32	148.89 13.65 -0.05	166.83 14.42 -0.67	138.32 10.82 -3.03	109.45 7.29 -4.97	88.21 4.83 0.01	70.09 2.70 0.01	60.59 2.50 0.00
NARROWS_GT1_3 24230	45.32 2.61 -0.01	39.65 2.31 -0.01	36.16 2.18 -0.01	32.26 2.03 -0.01	33.45 2.07 -0.01	36.58 2.30 -0.01	37.38 2.74 -0.01	40.94 3.27 -0.01	44.76 3.73 -0.01	47.08 4.16 -0.02	50.66 4.01 -0.02	55.39 4.34 0.00	60.06 4.35 0.00	68.23 4.29 0.01	83.72 5.55 0.01	92.76 6.55 0.01	116.65 10.96 -1.32	148.89 13.65 -0.05	166.83 14.42 -0.67	138.32 10.82 -3.03	109.45 7.29 -4.97	88.21 4.83 0.01	70.09 2.70 0.01	60.59 2.50 0.00
NARROWS_GT1_4 24231	45.32 2.61 -0.01	39.65 2.31 -0.01	36.16 2.18 -0.01	32.26 2.03 -0.01	33.45 2.07 -0.01	36.58 2.30 -0.01	37.38 2.74 -0.01	40.94 3.27 -0.01	44.76 3.73 -0.01	47.08 4.16 -0.02	50.66 4.01 -0.02	55.39 4.34 0.00	60.06 4.35 0.00	68.23 4.29 0.01	83.72 5.55 0.01	92.76 6.55 0.01	116.65 10.96 -1.32	148.89 13.65 -0.05	166.83 14.42 -0.67	138.32 10.82 -3.03	109.45 7.29 -4.97	88.21 4.83 0.01	70.09 2.70 0.01	60.59 2.50 0.00
NARROWS_GT1_5 24232	45.32 2.61 -0.01	39.65 2.31 -0.01	36.16 2.18 -0.01	32.26 2.03 -0.01	33.45 2.07 -0.01	36.58 2.30 -0.01	37.38 2.74 -0.01	40.94 3.27 -0.01	44.76 3.73 -0.01	47.08 4.16 -0.02	50.66 4.01 -0.02	55.39 4.34 0.00	60.06 4.35 0.00	68.23 4.29 0.01	83.72 5.55 0.01	92.76 6.55 0.01	116.65 10.96 -1.32	148.89 13.65 -0.05	166.83 14.42 -0.67	138.32 10.82 -3.03	109.45 7.29 -4.97	88.21 4.83 0.01	70.09 2.70 0.01	60.59 2.50 0.00



NARROWS_GT1_6 24233	45.32 2.61 -0.01	39.65 2.31 -0.01	36.16 2.18 -0.01	32.26 2.03 -0.01	33.45 2.07 -0.01	36.58 2.30 -0.01	37.38 2.74 -0.01	40.94 3.27 -0.01	44.76 3.73 -0.01	47.08 4.16 -0.02	50.66 4.01 -0.02	55.39 4.34 0.00	60.06 4.35 0.00	68.23 4.29 0.01	83.72 5.55 0.01	92.76 6.55 0.01	116.65 10.96 -1.32	148.89 13.65 -0.05	166.83 14.42 -0.67	138.32 10.82 -3.03	109.45 7.29 -4.97	88.21 4.83 0.01	70.09 2.70 0.01	60.59 2.50 0.00
NARROWS_GT1_7 24234	45.32 2.61 -0.01	39.65 2.31 -0.01	36.16 2.18 -0.01	32.26 2.03 -0.01	33.45 2.07 -0.01	36.58 2.30 -0.01	37.38 2.74 -0.01	40.94 3.27 -0.01	44.76 3.73 -0.01	47.08 4.16 -0.02	50.66 4.01 -0.02	55.39 4.34 0.00	60.06 4.35 0.00	68.23 4.29 0.01	83.72 5.55 0.01	92.76 6.55 0.01	116.65 10.96 -1.32	148.89 13.65 -0.05	166.83 14.42 -0.67	138.32 10.82 -3.03	109.45 7.29 -4.97	88.21 4.83 0.01	70.09 2.70 0.01	60.59 2.50 0.00
NARROWS_GT1_8 24235	45.32 2.61 -0.01	39.65 2.31 -0.01	36.16 2.18 -0.01	32.26 2.03 -0.01	33.45 2.07 -0.01	36.58 2.30 -0.01	37.38 2.74 -0.01	40.94 3.27 -0.01	44.76 3.73 -0.01	47.08 4.16 -0.02	50.66 4.01 -0.02	55.39 4.34 0.00	60.06 4.35 0.00	68.23 4.29 0.01	83.72 5.55 0.01	92.76 6.55 0.01	116.65 10.96 -1.32	148.89 13.65 -0.05	166.83 14.42 -0.67	138.32 10.82 -3.03	109.45 7.29 -4.97	88.21 4.83 0.01	70.09 2.70 0.01	60.59 2.50 0.00
NARROWS_GT2_1 24236	45.32 2.61 -0.01	39.65 2.31 -0.01	36.16 2.18 -0.01	32.26 2.03 -0.01	33.45 2.07 -0.01	36.58 2.30 -0.01	37.38 2.74 -0.01	40.94 3.27 -0.01	44.76 3.73 -0.01	47.08 4.16 -0.02	50.66 4.01 -0.02	55.39 4.34 0.00	60.06 4.35 0.00	68.23 4.29 0.01	83.72 5.55 0.01	92.76 6.55 0.01	116.66 10.96 -1.33	148.89 13.65 -0.05	166.83 14.42 -0.67	138.32 10.82 -3.03	109.45 7.29 -4.97	88.21 4.83 0.01	70.09 2.70 0.01	60.59 2.50 0.00
NARROWS_GT2_2 24237	45.32 2.61 -0.01	39.65 2.31 -0.01	36.16 2.18 -0.01	32.26 2.03 -0.01	33.45 2.07 -0.01	36.58 2.30 -0.01	37.38 2.74 -0.01	40.94 3.27 -0.01	44.76 3.73 -0.01	47.08 4.16 -0.02	50.66 4.01 -0.02	55.39 4.34 0.00	60.06 4.35 0.00	68.23 4.29 0.01	83.72 5.55 0.01	92.76 6.55 0.01	116.66 10.96 -1.33	148.89 13.65 -0.05	166.83 14.42 -0.67	138.32 10.82 -3.03	109.45 7.29 -4.97	88.21 4.83 0.01	70.09 2.70 0.01	60.59 2.50 0.00
NARROWS_GT2_3 24238	45.32 2.61 -0.01	39.65 2.31 -0.01	36.16 2.18 -0.01	32.26 2.03 -0.01	33.45 2.07 -0.01	36.58 2.30 -0.01	37.38 2.74 -0.01	40.94 3.27 -0.01	44.76 3.73 -0.01	47.08 4.16 -0.02	50.66 4.01 -0.02	55.39 4.34 0.00	60.06 4.35 0.00	68.23 4.29 0.01	83.72 5.55 0.01	92.76 6.55 0.01	116.66 10.96 -1.33	148.89 13.65 -0.05	166.83 14.42 -0.67	138.32 10.82 -3.03	109.45 7.29 -4.97	88.21 4.83 0.01	70.09 2.70 0.01	60.59 2.50 0.00
NARROWS_GT2_4 24239	45.32 2.61 -0.01	39.65 2.31 -0.01	36.16 2.18 -0.01	32.26 2.03 -0.01	33.45 2.07 -0.01	36.58 2.30 -0.01	37.38 2.74 -0.01	40.94 3.27 -0.01	44.76 3.73 -0.01	47.08 4.16 -0.02	50.66 4.01 -0.02	55.39 4.34 0.00	60.06 4.35 0.00	68.23 4.29 0.01	83.72 5.55 0.01	92.76 6.55 0.01	116.66 10.96 -1.33	148.89 13.65 -0.05	166.83 14.42 -0.67	138.32 10.82 -3.03	109.45 7.29 -4.97	88.21 4.83 0.01	70.09 2.70 0.01	60.59 2.50 0.00
NARROWS_GT2_5 24240	45.32 2.61 -0.01	39.65 2.31 -0.01	36.16 2.18 -0.01	32.26 2.03 -0.01	33.45 2.07 -0.01	36.58 2.30 -0.01	37.38 2.74 -0.01	40.94 3.27 -0.01	44.76 3.73 -0.01	47.08 4.16 -0.02	50.66 4.01 -0.02	55.39 4.34 0.00	60.06 4.35 0.00	68.23 4.29 0.01	83.72 5.55 0.01	92.76 6.55 0.01	116.66 10.96 -1.33	148.89 13.65 -0.05	166.83 14.42 -0.67	138.32 10.82 -3.03	109.45 7.29 -4.97	88.21 4.83 0.01	70.09 2.70 0.01	60.59 2.50 0.00
NARROWS_GT2_6 24241	45.32 2.61 -0.01	39.65 2.31 -0.01	36.16 2.18 -0.01	32.26 2.03 -0.01	33.45 2.07 -0.01	36.58 2.30 -0.01	37.38 2.74 -0.01	40.94 3.27 -0.01	44.76 3.73 -0.01	47.08 4.16 -0.02	50.66 4.01 -0.02	55.39 4.34 0.00	60.06 4.35 0.00	68.23 4.29 0.01	83.72 5.55 0.01	92.76 6.55 0.01	116.66 10.96 -1.33	148.89 13.65 -0.05	166.83 14.42 -0.67	138.32 10.82 -3.03	109.45 7.29 -4.97	88.21 4.83 0.01	70.09 2.70 0.01	60.59 2.50 0.00
NARROWS_GT2_7 24242	45.32 2.61 -0.01	39.65 2.31 -0.01	36.16 2.18 -0.01	32.26 2.03 -0.01	33.45 2.07 -0.01	36.58 2.30 -0.01	37.38 2.74 -0.01	40.94 3.27 -0.01	44.76 3.73 -0.01	47.08 4.16 -0.02	50.66 4.01 -0.02	55.39 4.34 0.00	60.06 4.35 0.00	68.23 4.29 0.01	83.72 5.55 0.01	92.76 6.55 0.01	116.66 10.96 -1.33	148.89 13.65 -0.05	166.83 14.42 -0.67	138.32 10.82 -3.03	109.45 7.29 -4.97	88.21 4.83 0.01	70.09 2.70 0.01	60.59 2.50 0.00
NARROWS_GT2_8 24243	45.32 2.61 -0.01	39.65 2.31 -0.01	36.16 2.18 -0.01	32.26 2.03 -0.01	33.45 2.07 -0.01	36.58 2.30 -0.01	37.38 2.74 -0.01	40.94 3.27 -0.01	44.76 3.73 -0.01	47.08 4.16 -0.02	50.66 4.01 -0.02	55.39 4.34 0.00	60.06 4.35 0.00	68.23 4.29 0.01	83.72 5.55 0.01	92.76 6.55 0.01	116.66 10.96 -1.33	148.89 13.65 -0.05	166.83 14.42 -0.67	138.32 10.82 -3.03	109.45 7.29 -4.97	88.21 4.83 0.01	70.09 2.70 0.01	60.59 2.50 0.00
NCATSKLL_69_KV_NC-LINE_REV_LBMP_G 345022	43.31 0.60 0.00	37.88 0.56 0.00	34.76 0.78 0.00	31.01 0.79 0.00	32.16 0.78 0.00	35.17 0.89 0.00	35.71 1.07 0.00	38.78 1.13 0.00	41.92 0.90 0.00	43.78 1.16 0.27	47.24 0.61 0.00	51.67 0.61 0.00	56.71 1.00 0.00	65.17 1.22 0.00	76.89 2.19 3.47	82.37 2.50 6.34	96.45 4.80 12.72	141.82 7.17 0.53	154.17 8.95 6.52	141.50 5.23 -11.81	120.22 3.69 -19.34	86.56 3.17 0.00	69.35 1.95 0.00	59.60 1.51 0.00
NCHELSEA_115KV_TR2 355582	44.54 1.84 0.00	38.93 1.60 0.00	35.58 1.60 0.00	31.77 1.54 0.00	32.91 1.54 0.00	36.06 1.78 0.00	36.78 2.15 0.00	40.18 2.52 0.00	43.77 2.75 0.00	45.95 3.05 0.00	49.80 3.17 0.00	54.47 3.42 0.00	59.61 3.90 0.00	68.36 4.41 0.00	83.72 5.55 0.00	92.68 6.47 0.00	115.90 10.44 -1.09	148.62 13.38 -0.05	167.16 14.87 -0.55	138.83 11.20 -3.17	109.96 7.58 -5.19	88.72 5.34 0.00	70.63 3.23 0.00	60.88 2.79 0.00
NEG CAPITAL___MECHNVIL 23645	44.58 1.88 0.00	39.01 1.68 0.00	35.64 1.66 0.00	31.73 1.51 0.00	32.97 1.60 0.00	36.02 1.75 0.00	36.61 1.97 0.00	39.84 2.18 0.00	43.19 2.17 0.00	45.09 2.19 0.00	48.91 2.28 0.00	53.61 2.55 0.00	58.66 2.95 0.00	67.34 3.39 0.00	82.39 4.22 0.00	91.21 5.00 0.00	118.54 7.41 -6.75	145.74 10.27 -0.28	167.33 12.14 -3.45	163.82 9.83 -29.52	152.83 7.29 -48.34	88.97 5.59 0.00	71.37 3.98 0.00	61.23 3.13 0.00
NEG CENTRAL_HIGH_ACRES 23767	42.15 -0.56 0.00	36.77 -0.56 0.00	33.30 -0.68 0.00	29.68 -0.54 0.00	30.81 -0.56 0.00	33.59 -0.69 0.00	34.26 -0.38 0.00	37.01 -0.64 0.00	40.65 -0.37 0.00	42.60 -0.30 0.00	46.82 0.19 0.00	51.67 0.61 0.00	56.55 0.84 0.00	65.10 1.15 0.00	79.42 1.25 0.00	88.72 2.50 0.00	107.40 3.03 0.00	138.30 3.11 0.00	155.53 3.79 0.00	127.58 3.11 0.00	99.04 1.84 0.00	83.64 0.25 0.00	67.39 0.00 0.00	57.92 -0.17 0.00



NEG CENTRAL___DRP 24199	43.13 0.43 0.00	37.70 0.37 0.00	34.18 0.20 0.00	30.44 0.21 0.00	31.59 0.22 0.00	34.52 0.24 0.00	35.23 0.59 0.00	38.11 0.45 0.00	41.72 0.70 0.00	43.67 0.77 0.00	47.56 0.93 0.00	52.48 1.43 0.00	57.10 1.39 0.00	66.00 2.05 0.00	80.60 2.42 0.00	89.58 3.36 0.00	108.55 4.17 0.00	144.31 5.41 -3.71	163.60 6.52 -5.34	132.96 5.73 -2.77	101.08 3.89 0.00	85.81 2.42 0.00	68.88 1.48 0.00	59.20 1.10 0.00
NEG CENTRAL___INDECK 23768	44.37 1.66 0.00	38.63 1.31 0.00	34.86 0.88 0.00	31.13 0.91 0.00	32.28 0.91 0.00	35.20 0.93 0.00	35.99 1.35 0.00	38.41 0.75 0.00	41.97 0.94 0.00	43.80 0.90 0.00	48.03 1.40 0.00	51.31 0.26 0.00	56.27 0.56 0.00	64.66 0.70 0.00	76.61 -1.56 0.00	86.39 0.17 0.00	105.00 0.63 0.00	135.05 -0.14 0.00	153.10 1.36 0.00	128.07 3.61 0.00	99.91 2.72 0.00	83.89 0.50 0.00	69.41 2.02 0.00	59.37 1.28 0.00
NEG CENTRAL___SENECA 23627	43.39 0.68 0.00	37.88 0.56 0.00	34.28 0.31 0.00	30.59 0.36 0.00	31.72 0.35 0.00	34.65 0.38 0.00	35.43 0.80 0.00	38.22 0.56 0.00	41.92 0.90 0.00	43.84 0.94 0.00	47.75 1.12 0.00	52.79 1.74 0.00	57.32 1.62 0.00	66.38 2.43 0.00	81.07 2.89 0.00	90.18 3.97 0.00	109.07 4.70 0.00	141.14 5.95 0.00	159.02 7.28 0.00	130.93 6.47 0.00	101.57 4.37 0.00	86.22 2.84 0.00	69.21 1.82 0.00	59.49 1.39 0.00
NEG CENTRAL___STATE_STREET 24147	43.09 0.38 0.00	37.62 0.30 0.00	34.18 0.20 0.00	30.44 0.21 0.00	31.59 0.22 0.00	34.55 0.27 0.00	35.19 0.55 0.00	38.18 0.53 0.00	41.76 0.74 0.00	43.72 0.82 0.00	47.61 0.98 0.00	52.43 1.38 0.00	57.16 1.45 0.00	65.93 1.98 0.00	80.60 2.42 0.00	89.49 3.28 0.00	108.76 4.38 0.00	144.84 5.68 -3.97	164.27 6.83 -5.71	133.28 5.85 -2.96	101.37 4.18 0.00	85.97 2.58 0.00	69.01 1.62 0.00	59.26 1.16 0.00
NEG MILLWOOD___DRP 24198	44.72 2.01 0.00	39.08 1.75 0.00	35.71 1.73 0.00	31.89 1.66 0.00	33.04 1.66 0.00	36.20 1.92 0.00	36.89 2.25 0.00	40.36 2.71 0.00	44.06 3.04 0.00	46.25 3.35 0.00	50.17 3.54 0.00	54.88 3.83 0.00	60.05 4.35 0.00	68.81 4.86 0.00	84.27 6.10 0.00	93.28 7.07 0.00	117.00 11.38 -1.25	149.98 14.74 -0.05	168.61 16.24 -0.64	139.81 12.20 -3.15	110.61 8.26 -5.16	89.06 5.67 0.00	70.90 3.50 0.00	61.06 2.96 0.00
NEG NORTH_FLCN_SEA 23793	43.56 0.85 0.00	37.77 0.45 0.00	34.25 0.27 0.00	30.28 0.06 0.00	31.40 0.03 0.00	34.21 -0.07 0.00	34.39 -0.24 0.00	37.16 -0.49 0.00	40.41 -0.62 0.00	41.57 -1.33 0.00	45.28 -1.35 0.00	49.22 -1.84 0.00	53.76 -1.95 0.00	61.01 -2.94 0.00	74.42 -3.75 0.00	81.65 -4.57 0.00	90.60 -6.99 6.78	105.53 -8.92 20.74	112.39 -9.56 29.79	101.77 -7.22 15.47	92.04 -5.15 0.00	79.88 -3.50 0.00	65.04 -2.36 0.00	56.06 -2.03 0.00
NEG NORTH_KES_CHATEGAY 23792	42.67 -0.04 0.00	37.03 -0.30 0.00	33.57 -0.41 0.00	29.68 -0.54 0.00	30.78 -0.60 0.00	33.56 -0.72 0.00	33.67 -0.97 0.00	36.41 -1.24 0.00	39.50 -1.52 0.00	41.10 -1.80 0.00	44.72 -1.91 0.00	48.60 -2.45 0.00	53.37 -2.34 0.00	60.88 -3.07 0.00	74.27 -3.91 0.00	81.47 -4.74 0.00	90.62 -7.10 6.65	101.07 -9.06 25.07	106.02 -9.71 36.01	98.54 -7.22 18.70	92.14 -5.05 0.00	79.97 -3.42 0.00	65.24 -2.16 0.00	56.29 -1.80 0.00
NEG NORTH___ALICE_FALLS 23915	43.56 0.85 0.00	37.77 0.45 0.00	34.25 0.27 0.00	30.28 0.06 0.00	31.40 0.03 0.00	34.21 -0.07 0.00	34.39 -0.24 0.00	37.16 -0.49 0.00	40.37 -0.66 0.00	41.70 -1.20 0.00	45.46 -1.17 0.00	49.42 -1.63 0.00	54.09 -1.62 0.00	61.52 -2.43 0.00	75.05 -3.13 0.00	82.34 -3.88 0.00	91.35 -6.26 6.76	105.92 -7.84 21.42	112.61 -8.35 30.78	102.38 -6.10 15.99	92.82 -4.37 0.00	80.64 -2.75 0.00	65.64 -1.75 0.00	56.58 -1.51 0.00
NEG NORTH___LWR_SARANAC 23913	43.56 0.85 0.00	37.77 0.45 0.00	34.25 0.27 0.00	30.28 0.06 0.00	31.40 0.03 0.00	34.21 -0.07 0.00	34.39 -0.24 0.00	37.16 -0.49 0.00	40.37 -0.66 0.00	41.70 -1.20 0.00	45.46 -1.17 0.00	49.42 -1.63 0.00	54.09 -1.62 0.00	61.52 -2.43 0.00	75.05 -3.13 0.00	82.34 -3.88 0.00	91.35 -6.26 6.76	105.92 -7.84 21.42	112.61 -8.35 30.78	102.38 -6.10 15.99	92.82 -4.37 0.00	80.64 -2.75 0.00	65.64 -1.75 0.00	56.58 -1.51 0.00
NEG NORTH___PLATTSBURG 23628	43.56 0.85 0.00	37.77 0.45 0.00	34.25 0.27 0.00	30.28 0.06 0.00	31.40 0.03 0.00	34.21 -0.07 0.00	34.40 -0.24 0.00	37.16 -0.49 0.00	40.36 -0.66 0.00	41.70 -1.20 0.00	45.47 -1.16 0.00	49.42 -1.64 0.00	53.65 -2.06 0.00	61.52 -2.43 0.00	75.05 -3.13 0.00	82.25 -3.96 0.00	91.35 -6.26 6.76	105.92 -7.84 21.42	112.61 -8.35 30.78	102.38 -6.10 15.99	92.82 -4.37 0.00	80.64 -2.75 0.00	65.58 -1.82 0.00	56.58 -1.51 0.00
NEG WEST_LEA_LOCKPORT 23791	41.64 -1.07 0.00	36.77 -0.56 0.00	33.16 -0.82 0.00	29.77 -0.45 0.00	30.65 -0.72 0.00	33.39 -0.89 0.00	33.87 -0.76 0.00	35.73 -1.92 0.00	39.63 -1.39 0.00	41.48 -1.42 0.00	45.28 -1.35 0.00	50.29 -0.77 0.00	54.87 -0.84 0.00	63.50 -0.45 0.00	77.16 -1.02 0.00	86.56 0.34 0.00	104.58 0.21 0.00	133.30 -1.89 0.00	149.91 -1.82 0.00	123.09 -1.37 0.00	95.44 -1.75 0.00	79.80 -3.59 0.00	64.97 -2.43 0.00	56.35 -1.74 0.00
NEG WEST___LANCASTR 23811	41.47 -1.24 0.00	36.50 -0.82 0.00	32.89 -1.09 0.00	29.47 -0.76 0.00	30.37 -1.00 0.00	33.11 -1.17 0.00	33.81 -0.83 0.00	35.81 -1.85 0.00	39.67 -1.35 0.00	41.61 -1.29 0.00	45.42 -1.21 0.00	50.65 -0.41 0.00	55.54 -0.17 0.00	64.53 0.58 0.00	78.49 0.31 0.00	88.28 2.07 0.00	107.19 2.82 0.00	136.95 1.76 0.00	153.86 2.12 0.00	126.45 1.99 0.00	97.78 0.58 0.00	81.64 -1.75 0.00	66.11 -1.28 0.00	57.16 -0.93 0.00
NEG_PENN_ALLEGHNY 23528	43.18 0.47 0.00	37.81 0.48 0.00	34.35 0.37 0.00	30.62 0.39 0.00	31.75 0.38 0.00	34.69 0.41 0.00	35.33 0.69 0.00	38.18 0.53 0.00	41.80 0.78 0.00	43.76 0.86 0.00	47.65 1.02 0.00	52.48 1.43 0.00	57.38 1.67 0.00	66.00 2.05 0.00	80.68 2.50 0.00	89.67 3.45 0.00	109.07 4.70 0.00	141.13 5.94 0.00	158.40 6.67 0.00	131.43 5.61 -1.36	103.21 3.79 -2.23	85.64 2.25 0.00	68.74 1.35 0.00	59.26 1.16 0.00
NEG___GEN_MONROE 24207	43.22 0.51 0.00	37.74 0.41 0.00	34.11 0.14 0.00	30.44 0.21 0.00	31.50 0.13 0.00	34.35 0.07 0.00	34.98 0.35 0.00	37.58 -0.08 0.00	41.31 0.29 0.00	43.29 0.39 0.00	47.38 0.75 0.00	52.53 1.48 0.00	56.99 1.28 0.00	66.19 2.24 0.00	80.60 2.42 0.00	89.75 3.53 0.00	108.65 4.28 0.00	139.65 4.46 0.00	157.81 6.07 0.00	129.69 5.23 0.00	100.69 3.50 0.00	84.80 1.42 0.00	68.54 1.15 0.00	59.20 1.10 0.00
NEPA___ENERGY 23901	42.02 -0.68 0.00	36.95 -0.37 0.00	33.27 -0.71 0.00	29.80 -0.42 0.00	30.71 -0.66 0.00	33.49 -0.79 0.00	34.19 -0.45 0.00	36.15 -1.51 0.00	40.04 -0.98 0.00	41.96 -0.94 0.00	45.79 -0.84 0.00	51.16 0.10 0.00	56.10 0.39 0.00	65.17 1.22 0.00	79.27 1.09 0.00	89.15 2.93 0.00	108.23 3.86 0.00	138.43 3.24 0.00	155.53 3.79 0.00	127.82 3.36 0.00	98.94 1.75 0.00	82.72 -0.67 0.00	66.86 -0.54 0.00	57.92 -0.17 0.00



NEVERSINK___HYD 23608	44.20 1.49 0.00	38.63 1.31 0.00	35.24 1.26 0.00	31.43 1.21 0.00	32.56 1.19 0.00	35.72 1.44 0.00	36.40 1.77 0.00	39.72 2.07 0.00	43.28 2.25 0.00	45.37 2.49 0.02	49.10 2.47 0.00	53.81 2.76 0.00	58.83 3.12 0.00	67.60 3.64 0.00	82.60 4.69 0.26	91.33 5.60 0.48	113.66 9.29 0.00	147.36 12.17 0.00	165.40 13.66 0.00	138.17 10.46 -3.25	109.71 7.19 -5.32	88.47 5.09 0.00	70.43 3.04 0.00	60.59 2.50 0.00
NEWKRMKL_115KV_TB1 55635	42.88 0.17 0.00	37.55 0.22 0.00	34.49 0.51 0.00	30.83 0.60 0.00	31.91 0.53 0.00	34.86 0.58 0.00	35.40 0.76 0.00	38.56 0.90 0.00	41.88 0.86 0.00	43.72 0.82 0.00	47.47 0.84 0.00	51.92 0.87 0.00	56.77 1.06 0.00	65.10 1.15 0.00	79.50 1.33 0.00	87.68 1.47 0.00	103.76 3.13 3.74	139.36 4.33 0.16	154.50 4.70 1.94	147.10 3.36 -19.27	130.89 2.14 -31.56	84.72 1.33 0.00	68.00 0.61 0.00	58.56 0.46 0.00
NEWTON___FALLS_HYD 23847	43.39 0.68 0.00	37.81 0.49 0.00	34.28 0.31 0.00	30.38 0.15 0.00	31.47 0.09 0.00	34.48 0.21 0.00	34.81 0.17 0.00	37.69 0.04 0.00	40.90 -0.12 0.00	42.56 -0.34 0.00	46.12 -0.51 0.00	49.98 -1.07 0.00	54.48 -1.23 0.00	62.10 -1.85 0.00	75.99 -2.19 0.00	83.80 -2.41 0.00	97.23 -3.97 3.18	271.70 -3.92 -140.43	230.00 -3.64 -81.91	228.24 -1.00 -104.78	96.51 -0.68 0.00	84.22 0.83 0.00	68.34 0.94 0.00	58.79 0.70 0.00
NGRID_A1_DSASP 323792	40.44 -2.26 0.00	35.83 -1.49 0.00	32.28 -1.70 0.00	28.98 -1.24 0.00	29.87 -1.51 0.00	32.49 -1.78 0.00	33.15 -1.49 0.00	35.02 -2.64 0.00	38.85 -2.18 0.00	40.67 -2.23 0.00	44.81 -1.82 0.00	49.78 -1.27 0.00	54.87 -0.83 0.00	62.73 -1.22 0.00	76.22 -1.95 0.00	85.79 -0.43 0.00	103.43 -0.94 0.00	131.40 -3.78 0.00	147.79 -3.95 0.00	121.36 -3.11 0.00	94.08 -3.11 0.00	79.14 -4.25 0.00	64.16 -3.23 0.00	55.77 -2.33 0.00
NGRID_A2_DSASP 323793	40.44 -2.26 0.00	35.83 -1.49 0.00	32.28 -1.70 0.00	28.98 -1.24 0.00	29.87 -1.51 0.00	32.49 -1.78 0.00	33.15 -1.49 0.00	35.02 -2.64 0.00	38.85 -2.18 0.00	40.67 -2.23 0.00	44.81 -1.82 0.00	49.78 -1.27 0.00	54.87 -0.83 0.00	62.73 -1.22 0.00	76.22 -1.95 0.00	85.79 -0.43 0.00	103.43 -0.94 0.00	131.40 -3.78 0.00	147.79 -3.95 0.00	121.36 -3.11 0.00	94.08 -3.11 0.00	79.14 -4.25 0.00	64.16 -3.23 0.00	55.77 -2.33 0.00
NGRID_A4_DSASP 323807	40.44 -2.26 0.00	35.83 -1.49 0.00	32.28 -1.70 0.00	28.98 -1.24 0.00	29.87 -1.51 0.00	32.49 -1.78 0.00	33.15 -1.49 0.00	35.02 -2.64 0.00	38.85 -2.18 0.00	40.67 -2.23 0.00	44.81 -1.82 0.00	49.78 -1.27 0.00	54.87 -0.83 0.00	62.73 -1.22 0.00	76.22 -1.95 0.00	85.79 -0.43 0.00	103.43 -0.94 0.00	131.40 -3.78 0.00	147.79 -3.95 0.00	121.36 -3.11 0.00	94.08 -3.11 0.00	79.14 -4.25 0.00	64.16 -3.23 0.00	55.77 -2.33 0.00
NIAGARA_115E_LBMP 323715	41.26 -1.45 0.00	36.47 -0.86 0.00	32.93 -1.05 0.00	29.56 -0.67 0.00	30.46 -0.91 0.00	33.15 -1.13 0.00	33.49 -1.14 0.00	35.13 -2.52 0.00	38.93 -2.09 0.00	40.80 -2.10 0.00	44.95 -1.68 0.00	49.83 -1.23 0.00	54.93 -0.78 0.00	62.86 -1.09 0.00	76.38 -1.79 0.00	86.04 -0.17 0.00	103.75 -0.62 0.00	131.94 -3.25 0.00	148.40 -3.34 0.00	121.97 -2.49 0.00	94.47 -2.72 0.00	79.30 -4.08 0.00	64.30 -3.10 0.00	55.95 -2.15 0.00
NIAGARA_115W_LBMP 323714	40.36 -2.35 0.00	35.72 -1.60 0.00	32.18 -1.80 0.00	28.89 -1.33 0.00	29.80 -1.57 0.00	32.43 -1.85 0.00	33.04 -1.59 0.00	34.94 -2.71 0.00	38.73 -2.30 0.00	40.54 -2.36 0.00	44.67 -1.96 0.00	49.62 -1.43 0.00	54.71 -1.00 0.00	62.61 -1.35 0.00	75.99 -2.19 0.00	85.52 -0.69 0.00	103.13 -1.25 0.00	131.14 -4.05 0.00	147.33 -4.41 0.00	121.11 -3.35 0.00	93.79 -3.40 0.00	78.88 -4.50 0.00	64.03 -3.37 0.00	55.60 -2.50 0.00
NIAGARA_230_LBMP 323716	41.00 -1.71 0.00	36.28 -1.04 0.00	32.69 -1.29 0.00	29.35 -0.88 0.00	30.27 -1.10 0.00	32.91 -1.37 0.00	33.53 -1.11 0.00	35.47 -2.18 0.00	39.30 -1.72 0.00	41.14 -1.76 0.00	45.28 -1.35 0.00	50.29 -0.76 0.00	55.43 -0.28 0.00	63.44 -0.51 0.00	77.08 -1.09 0.00	86.74 0.52 0.00	104.69 0.31 0.00	133.17 -2.02 0.00	149.61 -2.12 0.00	122.97 -1.49 0.00	95.34 -1.85 0.00	80.13 -3.25 0.00	64.97 -2.42 0.00	56.41 -1.69 0.00
NIAGARA___115KV_198_GIBSON 55903	40.36 -2.35 0.00	35.72 -1.60 0.00	32.18 -1.80 0.00	28.89 -1.33 0.00	29.74 -1.63 0.00	32.39 -1.89 0.00	33.01 -1.63 0.00	34.94 -2.71 0.00	38.72 -2.30 0.00	40.54 -2.36 0.00	44.20 -2.42 0.00	49.37 -1.68 0.00	53.87 -1.84 0.00	62.55 -1.41 0.00	75.99 -2.19 0.00	85.35 -0.86 0.00	103.02 -1.36 0.00	131.00 -4.19 0.00	147.34 -4.40 0.00	120.85 -3.61 0.00	93.79 -3.40 0.00	78.47 -4.92 0.00	63.89 -3.50 0.00	55.77 -2.32 0.00
NIAGARA____ 23760	41.00 -1.71 0.00	36.28 -1.04 0.00	32.69 -1.29 0.00	29.35 -0.88 0.00	30.27 -1.10 0.00	32.91 -1.37 0.00	33.53 -1.11 0.00	35.47 -2.18 0.00	39.30 -1.72 0.00	41.14 -1.76 0.00	45.28 -1.35 0.00	50.29 -0.76 0.00	55.43 -0.28 0.00	63.44 -0.51 0.00	77.08 -1.09 0.00	86.74 0.52 0.00	104.69 0.31 0.00	133.17 -2.02 0.00	149.61 -2.12 0.00	122.97 -1.49 0.00	95.34 -1.85 0.00	80.13 -3.25 0.00	64.97 -2.42 0.00	56.41 -1.69 0.00
NINE_MILE_1 23575	41.56 -1.15 0.00	36.32 -1.01 0.00	33.06 -0.92 0.00	29.44 -0.79 0.00	30.56 -0.82 0.00	33.39 -0.89 0.00	33.87 -0.76 0.00	36.75 -0.90 0.00	40.16 -0.86 0.00	42.00 -0.90 0.00	45.74 -0.89 0.00	50.19 -0.87 0.00	54.81 -0.89 0.00	62.93 -1.03 0.00	76.92 -1.25 0.00	85.09 -1.12 0.00	103.13 -1.25 0.00	133.43 -1.76 0.00	149.92 -1.81 0.00	123.10 -1.37 0.00	95.93 -1.27 0.00	81.80 -1.59 0.00	65.91 -1.48 0.00	56.76 -1.33 0.00
NINE_MILE_2 23744	41.56 -1.15 0.00	36.32 -1.01 0.00	33.06 -0.92 0.00	29.44 -0.79 0.00	30.56 -0.82 0.00	33.39 -0.89 0.00	33.87 -0.76 0.00	36.75 -0.90 0.00	40.16 -0.86 0.00	42.00 -0.90 0.00	45.74 -0.89 0.00	50.19 -0.87 0.00	54.81 -0.89 0.00	62.93 -1.03 0.00	76.92 -1.25 0.00	85.09 -1.12 0.00	103.13 -1.25 0.00	133.43 -1.76 0.00	149.92 -1.81 0.00	123.10 -1.37 0.00	95.93 -1.27 0.00	81.80 -1.59 0.00	65.91 -1.48 0.00	56.76 -1.33 0.00
NM_CAPITAL___DRP 24208	42.96 0.26 0.00	37.66 0.34 0.00	34.59 0.61 0.00	30.92 0.70 0.00	32.03 0.66 0.00	34.96 0.69 0.00	35.50 0.87 0.00	38.67 1.02 0.00	42.01 0.98 0.00	43.84 0.94 0.00	47.61 0.98 0.00	52.08 1.02 0.00	56.93 1.23 0.00	65.29 1.34 0.00	79.66 1.49 0.00	87.94 1.72 0.00	114.23 3.44 -6.42	140.05 4.60 -0.27	159.99 5.01 -3.25	147.00 3.61 -18.93	130.52 2.33 -30.99	84.89 1.50 0.00	68.14 0.74 0.00	58.73 0.64 0.00
NM_CENTRAL___DRP 24181	42.49 -0.21 0.00	37.18 -0.15 0.00	33.77 -0.20 0.00	30.07 -0.15 0.00	31.25 -0.13 0.00	34.14 -0.14 0.00	34.71 0.07 0.00	37.69 0.04 0.00	41.23 0.21 0.00	43.20 0.30 0.00	47.00 0.37 0.00	51.67 0.61 0.00	56.38 0.67 0.00	64.98 1.02 0.00	79.43 1.25 0.00	87.94 1.72 0.00	106.77 2.40 0.00	144.31 3.11 -6.01	163.87 3.49 -8.64	131.81 2.86 -4.49	99.14 1.94 0.00	84.22 0.83 0.00	67.66 0.27 0.00	58.27 0.17 0.00



NM_FRONTIER___DRP 24179	40.36 -2.35 0.00	35.72 -1.60 0.00	32.18 -1.80 0.00	28.89 -1.33 0.00	29.74 -1.63 0.00	32.39 -1.89 0.00	33.01 -1.63 0.00	34.94 -2.71 0.00	38.72 -2.30 0.00	40.54 -2.36 0.00	44.20 -2.42 0.00	49.37 -1.68 0.00	53.87 -1.84 0.00	62.55 -1.41 0.00	75.99 -2.19 0.00	85.35 -0.86 0.00	103.02 -1.36 0.00	131.00 -4.19 0.00	147.34 -4.40 0.00	120.85 -3.61 0.00	93.79 -3.40 0.00	78.47 -4.92 0.00	63.89 -3.50 0.00	55.77 -2.32 0.00
NM_ST_REGIS___HYD 24053	43.22 0.51 0.00	37.59 0.26 0.00	34.05 0.07 0.00	30.13 -0.09 0.00	31.12 -0.25 0.00	34.00 -0.27 0.00	34.08 -0.55 0.00	36.86 -0.79 0.00	39.95 -1.07 0.00	41.57 -1.33 0.00	45.14 -1.49 0.00	48.65 -2.40 0.00	53.20 -2.51 0.00	60.82 -3.13 0.00	74.34 -3.83 0.00	81.65 -4.57 0.00	90.89 -8.04 5.44	60.83 -9.73 64.62	48.28 -10.62 92.83	69.03 -7.22 48.22	92.53 -4.67 0.00	80.97 -2.42 0.00	66.38 -1.01 0.00	57.40 -0.70 0.00
NORTHPORT___1 23551	45.14 2.43 0.00	39.53 2.20 0.00	36.05 2.07 0.00	32.22 1.99 0.00	33.32 1.95 0.00	36.47 2.20 0.00	37.06 2.42 0.00	41.00 3.35 0.00	44.71 3.69 0.00	46.03 3.13 0.00	48.44 1.82 0.01	49.13 2.24 4.17	53.90 2.51 4.32	66.13 2.18 0.00	77.17 2.73 3.74	90.44 4.22 0.00	115.83 10.12 -1.34	135.48 12.98 12.69	140.00 13.50 25.24	137.33 9.83 -3.04	106.93 4.76 -4.97	73.05 2.75 13.09	61.65 1.48 7.23	51.25 0.70 7.55
NORTHPORT___2 23552	45.14 2.43 0.00	39.53 2.20 0.00	36.05 2.07 0.00	32.22 1.99 0.00	33.32 1.95 0.00	36.47 2.20 0.00	37.06 2.42 0.00	41.00 3.35 0.00	44.71 3.69 0.00	46.03 3.13 0.00	48.44 1.82 0.01	49.13 2.24 4.17	53.90 2.51 4.32	66.13 2.18 0.00	77.17 2.73 3.74	90.44 4.22 0.00	115.83 10.12 -1.34	135.48 12.98 12.69	140.00 13.50 25.24	137.33 9.83 -3.04	106.93 4.76 -4.97	73.05 2.75 13.09	61.65 1.48 7.23	51.25 0.70 7.55
NORTHPORT___3 23553	44.80 2.09 0.00	39.26 1.94 0.00	35.78 1.80 0.00	31.98 1.75 0.00	33.07 1.69 0.00	36.20 1.92 0.00	36.82 2.18 0.00	40.63 2.97 0.00	44.47 3.45 0.00	45.82 2.92 0.00	48.38 1.77 0.02	48.97 2.09 4.18	53.73 2.34 4.32	66.05 2.11 0.01	77.17 2.73 3.74	90.26 4.05 0.01	115.41 9.71 -1.33	134.92 12.43 12.70	139.16 12.75 25.33	136.83 9.34 -3.03	106.63 4.47 -4.97	72.96 2.67 13.10	61.46 1.28 7.21	51.14 0.58 7.53
NORTHPORT___4 23650	44.80 2.09 0.00	39.26 1.94 0.00	35.78 1.80 0.00	31.98 1.75 0.00	33.07 1.69 0.00	36.20 1.92 0.00	36.82 2.18 0.00	40.63 2.97 0.00	44.47 3.45 0.00	45.82 2.92 0.00	48.38 1.77 0.02	48.97 2.09 4.18	53.73 2.34 4.32	66.05 2.11 0.01	77.17 2.73 3.74	90.26 4.05 0.01	115.41 9.71 -1.33	134.92 12.43 12.70	139.16 12.75 25.33	136.83 9.34 -3.03	106.63 4.47 -4.97	72.96 2.67 13.10	61.46 1.28 7.21	51.14 0.58 7.53
NORTHPORT___IC 23718	45.27 2.56 0.00	39.53 2.20 0.00	36.05 2.07 0.00	32.22 1.99 0.00	33.41 2.04 0.00	36.47 2.19 0.00	37.10 2.46 0.00	41.00 3.35 0.00	44.71 3.69 0.00	46.12 3.22 0.00	48.72 2.10 0.01	49.28 2.40 4.17	54.07 2.67 4.32	66.57 2.62 0.00	77.56 3.13 3.74	90.52 4.31 0.00	115.83 10.12 -1.33	135.47 12.98 12.70	140.00 13.50 25.24	137.58 10.08 -3.04	106.74 4.57 -4.97	72.30 2.00 13.09	61.58 1.42 7.23	51.24 0.70 7.55
NORTH___COUNTRY_ESR 323785	42.58 -0.13 0.00	36.95 -0.37 0.00	33.50 -0.48 0.00	29.62 -0.60 0.00	30.71 -0.66 0.00	33.49 -0.79 0.00	33.56 -1.07 0.00	36.33 -1.32 0.00	39.46 -1.56 0.00	41.10 -1.80 0.00	44.67 -1.96 0.00	48.55 -2.50 0.00	53.09 -2.62 0.00	60.88 -3.07 0.00	74.27 -3.91 0.00	81.30 -4.91 0.00	90.52 -7.20 6.65	100.83 -9.20 25.16	105.57 -10.02 36.15	98.09 -7.60 18.77	91.75 -5.44 0.00	79.72 -3.67 0.00	65.03 -2.36 0.00	56.12 -1.98 0.00
NPX_GEN_1385_PROXY 323591	44.97 2.26 0.00	39.38 2.05 0.00	36.05 2.07 0.00	32.22 1.99 0.00	33.32 1.95 0.00	36.54 2.26 0.00	37.27 2.63 0.00	41.31 3.65 0.00	44.42 3.40 0.00	45.73 2.83 0.00	48.11 1.49 0.01	49.13 2.24 4.17	53.90 2.51 4.32	66.19 2.24 0.00	77.17 2.73 3.74	90.78 4.57 0.00	115.94 10.23 -1.34	136.01 13.52 12.69	141.07 14.57 25.24	137.33 9.83 -3.04	103.85 5.15 -1.51	76.60 2.84 9.62	61.78 1.61 7.23	51.42 0.87 7.55
NPX_GEN_CSC 323557	45.01 2.30 0.00	39.34 2.01 0.00	35.85 1.87 0.00	32.10 1.87 0.00	33.16 1.79 0.00	36.23 1.95 0.00	36.75 2.11 0.00	40.70 3.05 0.00	44.51 3.48 0.00	45.90 3.00 0.00	48.72 2.10 0.01	53.51 2.76 0.30	58.55 3.12 0.27	66.64 2.69 0.00	81.46 3.52 0.24	91.56 5.35 0.00	117.92 12.21 -1.34	154.18 15.81 -3.18	171.45 16.84 -2.88	140.07 12.57 -3.04	105.12 6.41 -1.51	89.90 4.00 -2.51	62.50 2.16 7.05	52.69 1.45 6.86
NSINS_S_GLNS_FALLS 23858	44.63 1.92 0.00	39.08 1.75 0.00	35.68 1.70 0.00	31.74 1.51 0.00	32.97 1.60 0.00	36.09 1.82 0.00	36.65 2.01 0.00	39.91 2.26 0.00	43.20 2.17 0.00	45.00 2.10 0.00	48.68 2.05 0.00	53.30 2.25 0.00	58.38 2.67 0.00	66.89 2.94 0.00	82.01 3.83 0.00	90.87 4.66 0.00	116.92 7.10 -5.45	145.83 10.41 -0.23	167.98 13.50 -2.74	166.81 11.08 -31.27	156.95 8.55 -51.20	89.81 6.42 0.00	72.05 4.65 0.00	61.58 3.49 0.00
NUCOR_STEEL___DRP 24197	43.09 0.38 0.00	37.66 0.34 0.00	34.22 0.24 0.00	30.47 0.24 0.00	31.62 0.25 0.00	34.55 0.27 0.00	35.16 0.52 0.00	38.11 0.45 0.00	41.68 0.66 0.00	43.59 0.69 0.00	47.47 0.84 0.00	52.23 1.17 0.00	56.99 1.28 0.00	65.68 1.73 0.00	80.29 2.11 0.00	89.15 2.93 0.00	108.23 3.86 0.00	144.54 5.27 -4.08	163.82 6.22 -5.86	132.98 5.48 -3.04	101.08 3.89 0.00	85.72 2.33 0.00	68.88 1.48 0.00	59.20 1.10 0.00
NUMBER_THREE_WT_PWR 323818	43.61 0.90 0.00	38.07 0.75 0.00	34.52 0.54 0.00	30.65 0.42 0.00	31.87 0.50 0.00	35.03 0.75 0.00	35.47 0.83 0.00	38.52 0.87 0.00	41.84 0.82 0.00	43.50 0.60 0.00	47.10 0.47 0.00	51.41 0.36 0.00	55.99 0.28 0.00	63.82 -0.13 0.00	78.25 0.08 0.00	86.74 0.52 0.00	104.18 0.42 0.62	198.11 2.03 -60.89	242.54 3.33 -87.47	175.24 5.35 -45.43	100.40 3.20 0.00	87.05 3.66 0.00	69.96 2.56 0.00	59.95 1.86 0.00
NYISO_LBMP_REFERENCE 24008	42.71 0.00 0.00	37.32 0.00 0.00	33.98 0.00 0.00	30.22 0.00 0.00	31.37 0.00 0.00	34.28 0.00 0.00	34.64 0.00 0.00	37.65 0.00 0.00	41.02 0.00 0.00	42.90 0.00 0.00	46.63 0.00 0.00	51.05 0.00 0.00	55.71 0.00 0.00	63.95 0.00 0.00	78.17 0.00 0.00	86.21 0.00 0.00	104.37 0.00 0.00	135.19 0.00 0.00	151.74 0.00 0.00	124.46 0.00 0.00	97.19 0.00 0.00	83.39 0.00 0.00	67.39 0.00 0.00	58.09 0.00 0.00
NYPA_BRENTWD____GT 24164	45.78 3.08 0.00	40.01 2.69 0.00	36.49 2.51 0.00	32.61 2.39 0.00	33.69 2.32 0.00	36.88 2.60 0.00	37.48 2.84 0.00	41.46 3.80 0.00	45.29 4.27 0.00	46.76 3.86 0.00	49.56 2.94 0.01	54.24 3.57 0.39	59.67 4.01 0.05	67.79 3.84 0.00	82.50 4.38 0.05	91.99 5.78 0.00	118.02 12.31 -1.33	151.06 15.81 -0.06	169.11 16.69 -0.68	140.07 12.57 -3.04	108.87 6.70 -4.97	86.50 4.33 1.22	63.79 3.23 6.84	53.64 2.21 6.66



NYPA_GOWANUS____GT5 24156	45.32 2.61 -0.01	39.65 2.31 -0.01	36.16 2.18 -0.01	32.26 2.03 -0.01	33.45 2.07 -0.01	36.58 2.30 -0.01	37.38 2.74 -0.01	40.94 3.27 -0.01	44.76 3.73 -0.01	47.08 4.16 -0.02	50.66 4.01 -0.02	55.39 4.34 0.00	60.06 4.35 0.00	68.16 4.22 0.01	83.72 5.55 0.01	92.76 6.55 0.01	116.65 10.96 -1.32	148.75 13.52 -0.05	166.83 14.42 -0.67	138.32 10.82 -3.03	109.45 7.29 -4.97	88.21 4.83 0.01	70.01 2.63 0.01	60.59 2.50 0.00
NYPA_GOWANUS____GT6 24157	45.32 2.61 -0.01	39.65 2.31 -0.01	36.16 2.18 -0.01	32.26 2.03 -0.01	33.45 2.07 -0.01	36.58 2.30 -0.01	37.38 2.74 -0.01	40.94 3.27 -0.01	44.76 3.73 -0.01	47.08 4.16 -0.02	50.66 4.01 -0.02	55.39 4.34 0.00	60.06 4.35 0.00	68.16 4.22 0.01	83.72 5.55 0.01	92.76 6.55 0.01	116.65 10.96 -1.32	148.75 13.52 -0.05	166.83 14.42 -0.67	138.32 10.82 -3.03	109.45 7.29 -4.97	88.21 4.83 0.01	70.01 2.63 0.01	60.59 2.50 0.00
NYPA_HARLEM__RVR__GT1 24160	45.11 2.39 -0.01	39.50 2.16 -0.01	36.06 2.07 -0.01	32.17 1.94 -0.01	33.33 1.95 -0.01	36.51 2.23 -0.01	37.31 2.67 -0.01	40.83 3.16 -0.01	44.60 3.57 -0.01	46.81 3.90 -0.01	50.46 3.82 -0.01	55.55 4.49 0.00	60.12 4.40 -0.01	68.16 4.22 0.01	83.49 5.32 0.01	92.59 6.38 0.01	116.35 10.65 -1.33	148.62 13.39 -0.05	166.21 13.81 -0.67	137.95 10.46 -3.03	109.16 7.00 -4.97	87.88 4.50 0.01	69.81 2.42 0.01	60.48 2.38 -0.01
NYPA_HARLEM__RVR__GT2 24161	45.11 2.39 -0.01	39.50 2.16 -0.01	36.06 2.07 -0.01	32.17 1.94 -0.01	33.33 1.95 -0.01	36.51 2.23 -0.01	37.31 2.67 -0.01	40.83 3.16 -0.01	44.60 3.57 -0.01	46.81 3.90 -0.01	50.46 3.82 -0.01	55.55 4.49 0.00	60.12 4.40 -0.01	68.16 4.22 0.01	83.49 5.32 0.01	92.59 6.38 0.01	116.35 10.65 -1.33	148.62 13.39 -0.05	166.21 13.81 -0.67	137.95 10.46 -3.03	109.16 7.00 -4.97	87.88 4.50 0.01	69.81 2.42 0.01	60.48 2.38 -0.01
NYPA_KENT____GT 24152	45.19 2.48 -0.01	39.57 2.24 -0.01	36.09 2.11 -0.01	32.23 1.99 -0.01	33.42 2.04 -0.01	36.55 2.26 -0.01	37.35 2.70 -0.01	40.94 3.27 -0.01	44.72 3.69 -0.01	47.00 4.08 -0.02	50.66 4.01 -0.02	55.39 4.34 0.00	60.06 4.35 0.00	68.16 4.22 0.01	83.64 5.47 0.01	92.76 6.55 0.01	116.55 10.85 -1.33	148.75 13.52 -0.05	166.52 14.11 -0.67	138.20 10.71 -3.03	109.25 7.09 -4.97	88.05 4.67 0.01	69.95 2.56 0.01	60.53 2.44 0.00
NYPA_POUCH1____GT 24155	45.28 2.56 -0.01	39.61 2.28 -0.01	36.13 2.14 -0.01	32.23 1.99 -0.01	33.39 2.01 -0.01	36.55 2.26 -0.01	37.31 2.67 -0.01	40.86 3.20 -0.01	44.68 3.65 -0.01	47.00 4.08 -0.02	50.47 3.82 -0.02	51.96 4.03 3.13	53.74 4.06 6.04	59.19 3.90 8.66	73.62 5.16 9.71	82.61 6.12 9.73	105.73 10.44 9.08	116.22 12.98 31.95	133.69 13.50 31.55	115.94 10.21 18.73	98.93 6.70 4.97	76.40 4.42 11.40	60.06 2.29 9.62	53.85 2.15 6.39
NYPA_VERNON____GT2 24162	45.11 2.39 -0.01	39.50 2.16 -0.01	36.03 2.04 -0.01	32.17 1.94 -0.01	33.36 1.98 -0.01	36.48 2.20 -0.01	37.31 2.67 -0.01	40.94 3.27 -0.01	44.72 3.69 -0.01	46.95 4.03 -0.02	50.66 4.01 -0.02	55.39 4.34 0.00	60.06 4.35 0.00	68.23 4.29 0.01	83.72 5.55 0.01	92.76 6.55 0.01	116.55 10.85 -1.33	148.75 13.52 -0.05	166.52 14.11 -0.67	138.07 10.57 -3.03	109.25 7.09 -4.97	87.96 4.58 0.01	69.88 2.50 0.01	60.53 2.44 0.00
NYPA_VERNON____GT3 24163	45.11 2.39 -0.01	39.50 2.16 -0.01	36.03 2.04 -0.01	32.17 1.94 -0.01	33.36 1.98 -0.01	36.48 2.20 -0.01	37.31 2.67 -0.01	40.94 3.27 -0.01	44.72 3.69 -0.01	46.95 4.03 -0.02	50.66 4.01 -0.02	55.39 4.34 0.00	60.06 4.35 0.00	68.23 4.29 0.01	83.72 5.55 0.01	92.76 6.55 0.01	116.55 10.85 -1.33	148.75 13.52 -0.05	166.52 14.11 -0.67	138.07 10.57 -3.03	109.25 7.09 -4.97	87.96 4.58 0.01	69.88 2.50 0.01	60.53 2.44 0.00
NYPA____ASTORIA_CC1 323568	45.06 2.35 -0.01	39.46 2.13 -0.01	36.03 2.04 -0.01	32.14 1.91 -0.01	33.33 1.95 -0.01	36.48 2.20 -0.01	37.28 2.63 -0.01	40.86 3.20 -0.01	44.64 3.61 -0.01	46.87 3.94 -0.02	50.56 3.92 -0.02	55.34 4.29 0.00	59.94 4.23 0.00	67.98 4.03 0.01	83.40 5.24 0.01	92.42 6.21 0.01	116.13 10.44 -1.33	148.22 12.98 -0.05	165.90 13.50 -0.67	137.70 10.21 -3.03	108.96 6.80 -4.97	87.63 4.25 0.01	69.68 2.29 0.01	60.30 2.21 0.00
NYPA____ASTORIA_CC2 323569	45.06 2.35 -0.01	39.46 2.13 -0.01	36.03 2.04 -0.01	32.14 1.91 -0.01	33.33 1.95 -0.01	36.48 2.20 -0.01	37.28 2.63 -0.01	40.86 3.20 -0.01	44.64 3.61 -0.01	46.87 3.94 -0.02	50.56 3.92 -0.02	55.34 4.29 0.00	59.94 4.23 0.00	67.98 4.03 0.01	83.40 5.24 0.01	92.42 6.21 0.01	116.13 10.44 -1.33	148.22 12.98 -0.05	165.90 13.50 -0.67	137.70 10.21 -3.03	108.96 6.80 -4.97	87.63 4.25 0.01	69.68 2.29 0.01	60.30 2.21 0.00
NYPA____HOLTSVILL 23794	45.36 2.65 0.00	39.68 2.35 0.00	36.16 2.18 0.00	32.37 2.15 0.00	33.41 2.04 0.00	36.54 2.26 0.00	37.10 2.46 0.00	41.04 3.39 0.00	44.84 3.82 0.00	46.20 3.30 0.00	49.00 2.38 0.01	53.78 3.01 0.29	58.74 3.29 0.26	66.83 2.88 0.00	81.62 3.68 0.23	91.56 5.35 0.00	117.61 11.89 -1.34	175.66 15.14 -25.34	186.25 16.08 -18.44	139.58 12.07 -3.05	108.48 6.31 -4.97	86.49 4.00 0.90	62.68 2.36 7.07	52.85 1.62 6.87
NYPA____HELLGATE_GT1 24158	45.11 2.39 -0.01	39.50 2.16 -0.01	36.06 2.07 -0.01	32.17 1.94 -0.01	33.33 1.95 -0.01	36.51 2.23 -0.01	37.31 2.67 -0.01	40.83 3.16 -0.01	44.60 3.57 -0.01	46.81 3.90 -0.01	50.46 3.82 -0.01	55.55 4.49 0.00	60.12 4.40 -0.01	68.16 4.22 0.01	83.49 5.32 0.01	92.59 6.38 0.01	116.35 10.65 -1.33	148.62 13.39 -0.05	166.21 13.81 -0.67	137.95 10.46 -3.03	109.16 7.00 -4.97	87.88 4.50 0.01	69.81 2.42 0.01	60.48 2.38 -0.01
NYPA____HELLGATE_GT2 24159	45.11 2.39 -0.01	39.50 2.16 -0.01	36.06 2.07 -0.01	32.17 1.94 -0.01	33.33 1.95 -0.01	36.51 2.23 -0.01	37.31 2.67 -0.01	40.83 3.16 -0.01	44.60 3.57 -0.01	46.81 3.90 -0.01	50.46 3.82 -0.01	55.55 4.49 0.00	60.12 4.40 -0.01	68.16 4.22 0.01	83.49 5.32 0.01	92.59 6.38 0.01	116.35 10.65 -1.33	148.62 13.39 -0.05	166.21 13.81 -0.67	137.95 10.46 -3.03	109.16 7.00 -4.97	87.88 4.50 0.01	69.81 2.42 0.01	60.48 2.38 -0.01
NYS_BARGE____HYD 23848	41.77 -0.94 0.00	36.84 -0.49 0.00	33.23 -0.75 0.00	29.83 -0.39 0.00	30.75 -0.63 0.00	33.49 -0.79 0.00	33.98 -0.66 0.00	35.77 -1.88 0.00	39.63 -1.39 0.00	41.49 -1.41 0.00	45.79 -0.84 0.00	50.64 -0.41 0.00	55.82 0.11 0.00	63.82 -0.13 0.00	77.47 -0.70 0.00	87.25 1.04 0.00	105.11 0.74 0.00	133.97 -1.22 0.00	150.68 -1.05 0.00	123.84 -0.62 0.00	95.83 -1.36 0.00	80.55 -2.84 0.00	65.31 -2.09 0.00	56.64 -1.45 0.00
OAK ORCHARD____HYD 24046	42.84 0.13 0.00	37.36 0.04 0.00	33.84 -0.14 0.00	30.19 -0.03 0.00	31.31 -0.06 0.00	34.14 -0.14 0.00	34.81 0.17 0.00	37.54 -0.11 0.00	41.31 0.29 0.00	43.29 0.39 0.00	47.65 1.02 0.00	52.58 1.53 0.00	57.44 1.73 0.00	66.13 2.18 0.00	80.60 2.43 0.00	90.18 3.97 0.00	109.07 4.70 0.00	140.05 4.86 0.00	157.50 5.76 0.00	129.31 4.85 0.00	100.30 3.11 0.00	84.64 1.25 0.00	68.34 0.94 0.00	58.79 0.70 0.00



OAKDALE___35_KV_LOAD 356122	42.96 0.26 0.00	37.62 0.30 0.00	34.18 0.20 0.00	30.47 0.24 0.00	31.59 0.22 0.00	34.52 0.24 0.00	35.12 0.48 0.00	37.99 0.34 0.00	41.55 0.53 0.00	43.50 0.60 0.00	47.28 0.65 0.00	52.08 1.02 0.00	56.82 1.11 0.00	65.49 1.53 0.00	80.05 1.88 0.00	88.89 2.67 0.00	108.13 3.76 0.00	139.79 4.60 0.00	157.05 5.31 0.00	130.23 4.36 -1.41	102.42 2.92 -2.31	84.89 1.50 0.00	68.20 0.81 0.00	58.85 0.76 0.00
OCC_CHEM___DRP 24175	40.44 -2.26 0.00	35.83 -1.49 0.00	32.28 -1.70 0.00	28.98 -1.24 0.00	29.84 -1.54 0.00	32.46 -1.82 0.00	33.11 -1.52 0.00	35.02 -2.64 0.00	38.85 -2.17 0.00	40.67 -2.23 0.00	44.30 -2.33 0.00	49.52 -1.53 0.00	54.04 -1.67 0.00	62.67 -1.28 0.00	76.22 -1.95 0.00	85.53 -0.69 0.00	103.33 -1.04 0.00	131.40 -3.79 0.00	147.79 -3.95 0.00	121.23 -3.24 0.00	94.08 -3.11 0.00	78.63 -4.75 0.00	64.09 -3.30 0.00	55.94 -2.15 0.00
OH_GEN_PROXY 24063	41.04 -1.67 0.00	36.28 -1.04 0.00	32.69 -1.29 0.00	29.35 -0.88 0.00	30.27 -1.10 0.00	32.94 -1.34 0.00	33.56 -1.07 0.00	35.51 -2.14 0.00	39.34 -1.68 0.00	41.18 -1.72 0.00	45.32 -1.31 0.00	50.34 -0.71 0.00	55.49 -0.22 0.00	63.57 -0.38 0.00	77.24 -0.93 0.00	86.90 0.69 0.00	104.90 0.52 0.00	133.57 -1.62 0.00	150.07 -1.67 0.00	123.34 -1.12 0.00	92.08 -1.65 3.46	83.85 -3.00 -3.46	65.10 -2.29 0.00	56.47 -1.63 0.00
OLIN_CORP_DRP 24177	41.26 -1.45 0.00	36.50 -0.82 0.00	32.93 -1.05 0.00	29.56 -0.66 0.00	30.43 -0.94 0.00	33.15 -1.13 0.00	33.49 -1.14 0.00	35.24 -2.41 0.00	39.05 -1.97 0.00	40.88 -2.02 0.00	44.58 -2.05 0.00	49.78 -1.28 0.00	54.26 -1.45 0.00	62.99 -0.96 0.00	76.53 -1.64 0.00	86.04 -0.17 0.00	103.96 -0.42 0.00	132.22 -2.97 0.00	148.70 -3.03 0.00	122.10 -2.36 0.00	94.67 -2.53 0.00	79.13 -4.25 0.00	64.43 -2.97 0.00	55.94 -2.15 0.00
OLIN_CORP_DSASP 323712	40.44 -2.26 0.00	35.83 -1.49 0.00	32.28 -1.70 0.00	28.98 -1.24 0.00	29.87 -1.51 0.00	32.49 -1.78 0.00	33.15 -1.49 0.00	35.02 -2.64 0.00	38.85 -2.18 0.00	40.67 -2.23 0.00	44.81 -1.82 0.00	49.78 -1.27 0.00	54.87 -0.83 0.00	62.73 -1.22 0.00	76.22 -1.95 0.00	85.79 -0.43 0.00	103.43 -0.94 0.00	131.40 -3.78 0.00	147.79 -3.95 0.00	121.36 -3.11 0.00	94.08 -3.11 0.00	79.14 -4.25 0.00	64.16 -3.23 0.00	55.77 -2.33 0.00
ONEIDA_HERK_LFGE 323681	43.69 0.98 0.00	38.15 0.82 0.00	34.66 0.68 0.00	30.80 0.57 0.00	32.03 0.66 0.00	35.17 0.89 0.00	35.64 1.01 0.00	38.75 1.09 0.00	42.17 1.15 0.00	43.93 1.03 0.00	47.65 1.02 0.00	52.18 1.12 0.00	56.93 1.22 0.00	65.36 1.41 0.00	80.05 1.87 0.00	88.72 2.50 0.00	107.95 2.92 -0.66	167.96 4.73 -28.04	197.93 5.91 -40.29	151.48 6.10 -20.92	101.37 4.18 0.00	87.05 3.66 0.00	69.89 2.50 0.00	59.95 1.86 0.00
ONEIDA___115KV_TB4 55905	43.99 1.28 0.00	38.44 1.12 0.00	34.93 0.95 0.00	31.04 0.82 0.00	32.28 0.91 0.00	35.41 1.13 0.00	35.95 1.32 0.00	39.08 1.43 0.00	42.58 1.56 0.00	44.40 1.50 0.00	48.26 1.63 0.00	52.89 1.84 0.00	57.77 2.06 0.00	66.64 2.69 0.00	81.61 3.44 0.00	89.49 3.28 0.00	109.59 4.38 -0.83	154.27 6.62 -12.45	177.37 7.74 -17.89	140.73 6.97 -9.29	102.25 5.05 0.00	87.31 3.92 0.00	69.96 2.56 0.00	60.07 1.98 0.00
ONONDAGA_REF_OCCRA 23987	42.67 -0.04 0.00	37.29 -0.04 0.00	33.88 -0.10 0.00	30.16 -0.06 0.00	31.34 -0.03 0.00	34.24 -0.03 0.00	34.81 0.17 0.00	37.80 0.15 0.00	41.35 0.33 0.00	43.29 0.39 0.00	47.10 0.47 0.00	51.77 0.71 0.00	56.54 0.84 0.00	65.10 1.15 0.00	79.66 1.49 0.00	88.20 1.98 0.00	107.19 2.82 0.00	143.81 3.65 -4.97	162.97 4.10 -7.14	131.66 3.48 -3.71	99.62 2.43 0.00	84.55 1.17 0.00	67.93 0.54 0.00	58.44 0.35 0.00
ONONDAGA___COGEN 23986	42.75 0.04 0.00	37.36 0.04 0.00	33.94 -0.03 0.00	30.22 0.00 0.00	31.37 0.00 0.00	34.31 0.03 0.00	34.88 0.24 0.00	37.88 0.23 0.00	41.43 0.41 0.00	43.37 0.47 0.00	47.19 0.56 0.00	51.87 0.82 0.00	56.60 0.89 0.00	65.23 1.28 0.00	79.74 1.56 0.00	88.37 2.16 0.00	107.30 2.92 0.00	143.86 3.79 -4.89	163.15 4.40 -7.02	131.84 3.73 -3.64	99.72 2.53 0.00	84.72 1.33 0.00	68.07 0.67 0.00	58.62 0.52 0.00
ONTARIO___LFGE 23819	43.39 0.68 0.00	37.89 0.56 0.00	34.28 0.31 0.00	30.59 0.36 0.00	31.75 0.38 0.00	34.69 0.41 0.00	35.43 0.80 0.00	38.22 0.57 0.00	41.92 0.90 0.00	43.84 0.94 0.00	47.93 1.30 0.00	52.94 1.89 0.00	57.66 1.95 0.00	66.38 2.43 0.00	81.07 2.89 0.00	90.35 4.14 0.00	109.07 4.70 0.00	141.13 5.94 0.00	159.02 7.28 0.00	130.93 6.47 0.00	101.57 4.38 0.00	86.38 3.00 0.00	69.28 1.88 0.00	59.49 1.39 0.00
ORANGEVILLE_WT_PWR 323706	41.94 -0.77 0.00	36.84 -0.49 0.00	33.20 -0.78 0.00	29.68 -0.54 0.00	30.68 -0.69 0.00	33.35 -0.92 0.00	34.01 -0.62 0.00	36.00 -1.66 0.00	39.79 -1.23 0.00	41.65 -1.25 0.00	45.74 -0.89 0.00	50.70 -0.35 0.00	55.76 0.06 0.00	63.95 0.00 0.00	77.79 -0.39 0.00	87.51 1.30 0.00	106.04 1.66 0.00	135.87 0.68 0.00	153.10 1.36 0.00	126.58 2.11 0.00	98.17 0.97 0.00	82.39 -1.00 0.00	66.39 -1.01 0.00	57.16 -0.93 0.00
ORANGEVILLE___ESR 323794	41.94 -0.77 0.00	36.84 -0.49 0.00	33.20 -0.78 0.00	29.68 -0.54 0.00	30.68 -0.69 0.00	33.35 -0.92 0.00	34.01 -0.62 0.00	36.00 -1.66 0.00	39.79 -1.23 0.00	41.65 -1.25 0.00	45.74 -0.89 0.00	50.70 -0.35 0.00	55.76 0.06 0.00	63.95 0.00 0.00	77.79 -0.39 0.00	87.51 1.30 0.00	106.04 1.66 0.00	135.87 0.68 0.00	153.10 1.36 0.00	126.58 2.11 0.00	98.17 0.97 0.00	82.39 -1.00 0.00	66.39 -1.01 0.00	57.16 -0.93 0.00
OSWEGATCHIE___HYD 24044	43.39 0.68 0.00	37.81 0.48 0.00	34.28 0.31 0.00	30.38 0.15 0.00	31.47 0.09 0.00	34.48 0.21 0.00	34.81 0.17 0.00	37.69 0.04 0.00	40.90 -0.12 0.00	42.56 -0.34 0.00	46.12 -0.51 0.00	49.98 -1.07 0.00	54.43 -1.28 0.00	62.10 -1.86 0.00	75.99 -2.19 0.00	83.89 -2.32 0.00	97.33 -3.86 3.18	271.69 -3.92 -140.43	230.00 -3.64 -81.91	228.24 -1.00 -104.78	96.52 -0.68 0.00	84.22 0.83 0.00	68.27 0.87 0.00	58.79 0.70 0.00
OSWEGO___5 23606	41.90 -0.81 0.00	36.61 -0.71 0.00	33.30 -0.68 0.00	29.65 -0.58 0.00	30.78 -0.60 0.00	33.63 -0.65 0.00	34.15 -0.48 0.00	37.05 -0.60 0.00	40.49 -0.53 0.00	42.34 -0.56 0.00	46.12 -0.51 0.00	50.59 -0.46 0.00	55.26 -0.45 0.00	63.51 -0.44 0.00	77.55 -0.63 0.00	85.87 -0.34 0.00	104.06 -0.31 0.00	134.79 -0.40 0.00	151.28 -0.45 0.00	124.21 -0.25 0.00	96.81 -0.39 0.00	82.47 -0.92 0.00	66.45 -0.94 0.00	57.22 -0.87 0.00
OSWEGO___6 23613	41.90 -0.81 0.00	36.61 -0.71 0.00	33.30 -0.68 0.00	29.65 -0.58 0.00	30.78 -0.60 0.00	33.63 -0.65 0.00	34.15 -0.48 0.00	37.05 -0.60 0.00	40.49 -0.53 0.00	42.34 -0.56 0.00	46.12 -0.51 0.00	50.59 -0.46 0.00	55.26 -0.45 0.00	63.51 -0.44 0.00	77.55 -0.63 0.00	85.87 -0.34 0.00	104.06 -0.31 0.00	134.79 -0.40 0.00	151.28 -0.45 0.00	124.21 -0.25 0.00	96.81 -0.39 0.00	82.47 -0.92 0.00	66.45 -0.94 0.00	57.22 -0.87 0.00



OUTOKUMPU-AB___DRP 24206	41.64 -1.07 0.00	36.80 -0.52 0.00	33.13 -0.85 0.00	29.74 -0.48 0.00	30.62 -0.75 0.00	33.35 -0.93 0.00	33.98 -0.66 0.00	35.92 -1.73 0.00	39.87 -1.15 0.00	41.78 -1.12 0.00	45.60 -1.03 0.00	50.95 -0.10 0.00	55.65 -0.06 0.00	64.40 0.45 0.00	78.25 0.08 0.00	87.77 1.55 0.00	106.15 1.77 0.00	135.32 0.14 0.00	152.19 0.46 0.00	124.96 0.50 0.00	96.61 -0.58 0.00	80.72 -2.67 0.00	65.78 -1.62 0.00	57.28 -0.81 0.00
OXBOW___BTM 323836	41.13 -1.58 0.00	36.35 -0.97 0.00	32.76 -1.22 0.00	29.41 -0.81 0.00	30.34 -1.03 0.00	33.01 -1.27 0.00	33.67 -0.97 0.00	35.55 -2.11 0.00	39.42 -1.60 0.00	41.31 -1.59 0.00	45.56 -1.07 0.00	50.59 -0.46 0.00	55.82 0.11 0.00	63.82 -0.13 0.00	77.47 -0.70 0.00	86.74 0.52 0.00	104.58 0.21 0.00	133.17 -2.02 0.00	149.61 -2.12 0.00	122.97 -1.49 0.00	95.15 -2.05 0.00	80.39 -3.00 0.00	65.17 -2.22 0.00	56.64 -1.45 0.00
OXBOW___ 24026	41.13 -1.58 0.00	36.35 -0.97 0.00	32.76 -1.22 0.00	29.41 -0.82 0.00	30.27 -1.10 0.00	32.97 -1.30 0.00	33.60 -1.04 0.00	35.55 -2.11 0.00	39.42 -1.60 0.00	41.31 -1.59 0.00	45.09 -1.54 0.00	50.39 -0.66 0.00	54.98 -0.72 0.00	63.76 -0.19 0.00	77.47 -0.70 0.00	86.56 0.34 0.00	104.48 0.10 0.00	133.03 -2.16 0.00	149.61 -2.12 0.00	122.84 -1.62 0.00	95.06 -2.14 0.00	79.47 -3.92 0.00	65.10 -2.29 0.00	56.70 -1.39 0.00
OXY_CHEM_DSASP 323612	40.44 -2.26 0.00	35.83 -1.49 0.00	32.28 -1.70 0.00	28.98 -1.24 0.00	29.84 -1.54 0.00	32.46 -1.82 0.00	33.11 -1.52 0.00	35.02 -2.64 0.00	38.85 -2.17 0.00	40.67 -2.23 0.00	44.30 -2.33 0.00	49.52 -1.53 0.00	54.04 -1.67 0.00	62.67 -1.28 0.00	76.22 -1.95 0.00	85.53 -0.69 0.00	103.33 -1.04 0.00	131.40 -3.79 0.00	147.79 -3.95 0.00	121.23 -3.24 0.00	94.08 -3.11 0.00	78.63 -4.75 0.00	64.09 -3.30 0.00	55.94 -2.15 0.00
OZONE_PARK_ESR 323760	45.31 2.61 0.00	39.68 2.35 0.00	36.19 2.21 0.00	32.28 2.06 0.00	33.47 2.10 0.00	36.64 2.37 0.00	37.48 2.84 0.00	41.12 3.46 0.00	44.96 3.94 0.00	47.25 4.33 -0.01	51.17 4.52 -0.01	55.85 4.80 0.00	60.89 5.18 0.00	69.52 5.56 0.00	85.29 7.11 0.00	94.41 8.19 0.00	118.75 13.05 -1.33	151.60 16.36 -0.06	169.71 17.30 -0.68	140.69 13.19 -3.04	111.11 8.94 -4.98	89.47 6.09 0.00	71.10 3.71 0.00	61.46 3.37 0.00
PACKARD_115_KV_ADAMS_187_REV_LBMP_A 345013	40.44 -2.26 0.00	35.83 -1.49 0.00	32.28 -1.70 0.00	28.98 -1.24 0.00	29.84 -1.54 0.00	32.46 -1.82 0.00	33.11 -1.52 0.00	35.02 -2.64 0.00	38.85 -2.17 0.00	40.67 -2.23 0.00	44.30 -2.33 0.00	49.52 -1.53 0.00	54.04 -1.67 0.00	62.67 -1.28 0.00	76.22 -1.95 0.00	85.53 -0.69 0.00	103.33 -1.04 0.00	131.40 -3.79 0.00	147.79 -3.95 0.00	121.23 -3.24 0.00	94.08 -3.11 0.00	78.63 -4.75 0.00	64.09 -3.30 0.00	55.94 -2.15 0.00
PACKARD___115KV_DUPONT_184 80571	40.44 -2.26 0.00	35.83 -1.49 0.00	32.28 -1.70 0.00	28.98 -1.24 0.00	29.84 -1.54 0.00	32.46 -1.82 0.00	33.11 -1.52 0.00	35.02 -2.64 0.00	38.85 -2.17 0.00	40.67 -2.23 0.00	44.30 -2.33 0.00	49.52 -1.53 0.00	54.04 -1.67 0.00	62.67 -1.28 0.00	76.22 -1.95 0.00	85.53 -0.69 0.00	103.33 -1.04 0.00	131.40 -3.79 0.00	147.79 -3.95 0.00	121.23 -3.24 0.00	94.08 -3.11 0.00	78.63 -4.75 0.00	64.09 -3.30 0.00	55.94 -2.15 0.00
PARKCHTR_138_KV_TB2S_REV_LBMP_J 345007	45.18 2.48 0.00	39.53 2.20 0.00	36.09 2.11 0.00	32.19 1.96 0.00	33.38 2.01 0.00	36.54 2.26 0.00	37.30 2.67 0.00	40.82 3.16 0.00	44.59 3.57 0.00	46.68 3.78 -0.02	50.47 3.82 0.00	55.55 4.49 0.00	60.40 4.68 -0.01	68.24 4.28 0.00	83.65 5.47 0.00	92.68 6.47 0.00	116.35 10.65 -1.33	148.76 13.52 -0.06	166.37 13.96 -0.68	138.08 10.58 -3.04	109.17 7.00 -4.98	87.89 4.50 0.00	69.89 2.49 0.00	60.48 2.38 -0.01
PARKCHTR_13_KV_CPCTY_REV_LBMP_J 345019	45.91 3.20 0.00	40.20 2.87 0.00	36.70 2.72 0.00	32.73 2.51 0.00	33.95 2.57 0.00	37.12 2.85 0.00	37.93 3.29 0.00	41.49 3.84 0.00	45.33 4.31 0.00	47.45 4.55 -0.02	51.26 4.62 0.00	56.41 5.36 0.00	61.34 5.63 -0.01	69.45 5.50 0.00	85.13 6.96 0.00	94.32 8.10 0.00	118.44 12.73 -1.33	151.60 16.36 -0.06	169.71 17.30 -0.68	140.82 13.32 -3.04	111.21 9.04 -4.98	89.56 6.17 0.00	71.24 3.84 0.00	61.65 3.54 -0.01
PATROON___115KV_TB1 80586	43.01 0.30 0.00	37.70 0.37 0.00	34.59 0.61 0.00	30.92 0.70 0.00	32.03 0.66 0.00	34.96 0.69 0.00	35.50 0.87 0.00	38.71 1.05 0.00	42.01 0.98 0.00	43.89 0.99 0.00	47.66 1.03 0.00	52.13 1.07 0.00	56.99 1.28 0.00	65.36 1.41 0.00	79.82 1.64 0.00	88.11 1.90 0.00	109.27 3.65 -1.25	140.24 5.00 -0.05	157.80 5.46 -0.61	149.24 3.98 -20.80	133.87 2.62 -34.05	85.14 1.75 0.00	68.27 0.88 0.00	58.79 0.70 0.00
PATTRSNVILLE___SOLAR 323815	44.33 1.62 0.00	38.74 1.42 0.00	35.37 1.39 0.00	31.52 1.30 0.00	32.72 1.35 0.00	35.78 1.51 0.00	36.26 1.63 0.00	39.31 1.65 0.00	42.70 1.68 0.00	44.49 1.59 0.00	48.31 1.68 0.00	52.94 1.89 0.00	57.88 2.17 0.00	66.32 2.37 0.00	81.07 2.89 0.00	89.57 3.36 0.00	112.41 5.01 -3.03	142.61 7.30 -0.13	162.39 9.10 -1.55	165.71 7.97 -33.28	157.71 6.03 -54.49	88.14 4.75 0.00	70.70 3.30 0.00	60.71 2.62 0.00
PAVMNTRD_115_KV_BK1_REV_LBMP_A 345030	41.73 -0.98 0.00	36.77 -0.56 0.00	33.13 -0.85 0.00	29.68 -0.54 0.00	30.59 -0.78 0.00	33.35 -0.93 0.00	34.05 -0.59 0.00	36.03 -1.62 0.00	39.95 -1.07 0.00	41.91 -0.99 0.00	45.79 -0.84 0.00	51.11 0.05 0.00	55.99 0.28 0.00	65.10 1.15 0.00	79.19 1.02 0.00	89.15 2.93 0.00	108.13 3.76 0.00	138.03 2.84 0.00	155.23 3.49 0.00	127.45 2.99 0.00	98.46 1.26 0.00	82.22 -1.17 0.00	66.59 -0.81 0.00	57.51 -0.58 0.00
PAWLING_115_KV_BK3_REV_LBMP_H 345028	44.72 2.01 0.00	39.08 1.75 0.00	35.71 1.73 0.00	31.89 1.66 0.00	33.04 1.66 0.00	36.20 1.92 0.00	36.89 2.25 0.00	40.36 2.71 0.00	44.06 3.04 0.00	46.25 3.35 0.00	50.17 3.54 0.00	54.88 3.83 0.00	60.05 4.35 0.00	68.81 4.86 0.00	84.27 6.10 0.00	93.28 7.07 0.00	117.00 11.38 -1.25	149.98 14.74 -0.05	168.61 16.24 -0.64	139.81 12.20 -3.15	110.61 8.26 -5.16	89.06 5.67 0.00	70.90 3.50 0.00	61.06 2.96 0.00
PEEKSKILL___ 23653	44.42 1.71 0.00	38.89 1.57 0.00	35.51 1.53 0.00	31.70 1.48 0.00	32.88 1.51 0.00	35.96 1.68 0.00	36.71 2.08 0.00	40.18 2.52 0.00	43.85 2.83 0.00	46.03 3.13 0.00	49.75 3.12 0.00	54.42 3.37 0.00	59.33 3.62 0.00	67.92 3.97 0.00	83.18 5.01 0.00	92.16 5.94 0.00	115.59 9.92 -1.30	147.82 12.57 -0.05	165.75 13.36 -0.66	137.43 9.96 -3.01	108.83 6.70 -4.93	87.80 4.42 0.00	69.82 2.42 0.00	60.30 2.21 0.00
PGE MADISON___WINDPWR 24146	45.36 2.65 0.00	39.64 2.31 0.00	35.88 1.90 0.00	31.95 1.72 0.00	33.29 1.91 0.00	36.68 2.40 0.00	37.48 2.84 0.00	40.55 2.90 0.00	44.26 3.24 0.00	46.03 3.13 0.00	49.84 3.21 0.00	54.99 3.93 0.00	60.22 4.51 0.00	69.90 5.95 0.00	85.76 7.58 0.00	95.95 9.74 0.00	116.79 12.41 0.00	153.57 18.38 0.00	173.73 21.99 0.00	145.39 18.91 -2.02	114.59 14.09 -3.30	94.06 10.68 0.00	74.61 7.21 0.00	63.79 5.70 0.00



PIERCEFIELD___HYD 23852	43.22 0.51 0.00	37.62 0.30 0.00	34.08 0.10 0.00	30.16 -0.06 0.00	31.12 -0.25 0.00	34.00 -0.27 0.00	34.08 -0.55 0.00	36.86 -0.79 0.00	39.95 -1.07 0.00	41.57 -1.33 0.00	45.09 -1.54 0.00	48.50 -2.55 0.00	52.98 -2.73 0.00	60.63 -3.33 0.00	74.11 -4.07 0.00	81.39 -4.83 0.00	90.70 -8.45 5.22	53.24 -10.14 71.81	37.50 -11.08 103.16	63.41 -7.47 53.58	92.43 -4.76 0.00	80.89 -2.50 0.00	66.45 -0.94 0.00	57.51 -0.58 0.00
PINELAWN_CC_1 323563	45.53 2.82 0.00	39.79 2.46 0.00	36.29 2.31 0.00	32.43 2.21 0.00	33.51 2.13 0.00	36.68 2.40 0.00	37.30 2.67 0.00	41.19 3.54 0.00	45.04 4.02 0.00	46.59 3.69 0.00	49.61 2.99 0.01	53.97 3.06 0.15	58.94 3.34 0.11	66.89 2.94 0.00	81.75 3.68 0.10	91.47 5.26 0.00	117.08 11.38 -1.33	149.86 14.60 -0.06	167.74 15.32 -0.68	138.94 11.44 -3.04	108.20 6.03 -4.98	86.75 3.84 0.48	63.88 2.22 5.74	54.15 1.62 5.56
PJM_GEN_HTTP_PROXY 323702	44.80 2.09 0.00	39.26 1.94 0.00	35.81 1.83 0.00	31.95 1.72 0.00	33.13 1.76 0.00	36.26 1.99 0.00	37.10 2.46 0.00	40.67 3.01 0.00	44.47 3.45 0.00	46.73 3.82 -0.01	50.51 3.87 -0.01	55.14 4.09 0.00	60.00 4.29 0.00	68.56 4.61 0.00	84.11 5.94 0.00	93.20 6.98 0.00	117.18 11.48 -1.33	149.44 14.19 -0.06	167.29 14.88 -0.68	138.71 11.21 -3.04	106.19 7.48 -1.51	91.85 5.00 -3.46	70.22 2.83 0.00	60.71 2.62 0.00
PJM_GEN_KEystone 24065	42.88 0.17 0.00	37.66 0.34 0.00	34.18 0.21 0.00	30.56 0.33 0.00	31.62 0.25 0.00	34.55 0.27 0.00	35.26 0.62 0.00	38.03 0.38 0.00	41.72 0.70 0.00	43.71 0.81 0.00	47.61 0.98 0.00	52.26 1.43 0.22	56.95 1.67 0.42	65.20 1.86 0.61	79.68 2.19 0.68	88.89 3.36 0.68	109.97 5.63 0.04	139.20 6.22 2.21	156.35 6.52 1.90	129.96 5.10 -0.39	99.19 3.02 1.02	87.22 1.17 -2.67	67.06 0.34 0.67	58.11 0.46 0.45
PJM_GEN_NEPTUNE_PROXY 323594	44.97 2.26 0.00	39.38 2.05 0.00	35.91 1.94 0.00	32.07 1.84 0.00	33.16 1.79 0.00	36.30 2.02 0.00	36.92 2.29 0.00	40.74 3.09 0.00	44.55 3.53 0.00	46.20 3.30 0.00	49.28 2.66 0.01	54.12 3.06 0.00	59.11 3.40 0.00	67.27 3.32 0.00	82.31 4.14 0.01	91.81 5.60 0.00	116.98 11.28 -1.33	149.58 14.32 -0.06	167.59 15.17 -0.68	138.83 11.32 -3.04	104.93 6.23 -1.51	91.01 4.17 -3.46	62.09 2.63 7.93	52.12 1.69 7.66
PJM_GEN_VFT_PROXY 323633	44.58 1.88 0.00	39.08 1.75 0.00	35.64 1.66 0.00	31.82 1.60 0.00	33.00 1.63 0.00	36.09 1.82 0.00	36.92 2.29 0.00	40.55 2.90 0.00	44.30 3.28 0.00	46.52 3.60 -0.01	50.28 3.64 -0.01	51.70 3.78 3.14	53.56 3.90 6.04	59.44 4.15 8.67	73.84 5.39 9.72	82.86 6.38 9.74	106.03 10.75 9.09	116.49 13.26 31.95	133.99 13.81 31.55	116.05 10.32 18.74	95.56 6.80 8.44	79.78 4.33 7.94	60.12 2.36 9.63	53.90 2.21 6.40
PLATSBURG_115KV_PMLD1 355749	43.52 0.81 0.00	37.77 0.45 0.00	34.22 0.24 0.00	30.25 0.03 0.00	31.37 0.00 0.00	34.17 -0.10 0.00	34.36 -0.28 0.00	37.16 -0.49 0.00	40.37 -0.66 0.00	41.61 -1.29 0.00	45.32 -1.31 0.00	49.27 -1.79 0.00	53.81 -1.89 0.00	61.20 -2.75 0.00	74.66 -3.52 0.00	81.90 -4.31 0.00	90.91 -6.68 6.78	105.95 -8.52 20.72	112.86 -9.10 29.77	102.15 -6.85 15.46	92.33 -4.86 0.00	80.13 -3.25 0.00	65.24 -2.16 0.00	56.23 -1.86 0.00
PLEASANTVLY___LBMP 24000	44.07 1.37 0.00	38.56 1.23 0.00	35.27 1.29 0.00	31.49 1.27 0.00	32.63 1.25 0.00	35.68 1.41 0.00	36.40 1.77 0.00	39.80 2.15 0.00	43.36 2.34 0.00	45.47 2.57 0.00	49.29 2.66 0.00	53.81 2.76 0.00	58.77 3.06 0.00	67.21 3.26 0.00	82.32 4.14 0.00	91.04 4.83 0.00	114.06 8.14 -1.54	145.53 10.27 -0.06	163.44 10.92 -0.78	135.89 8.21 -3.22	107.81 5.35 -5.27	86.97 3.59 0.00	69.35 1.95 0.00	59.89 1.80 0.00
PLSNTVLE_13_KV_13.8KVDIST 80602	44.42 1.71 0.00	38.86 1.53 0.00	35.51 1.53 0.00	31.71 1.48 0.00	32.85 1.47 0.00	35.92 1.65 0.00	36.68 2.04 0.00	40.18 2.52 0.00	43.81 2.79 0.00	45.95 3.05 0.00	49.80 3.17 0.00	54.42 3.37 0.00	59.44 3.73 0.00	67.98 4.03 0.00	83.26 5.08 0.00	92.16 5.95 0.00	115.55 9.81 -1.37	147.82 12.57 -0.06	165.78 13.35 -0.69	137.63 10.08 -3.08	108.95 6.71 -5.05	87.72 4.34 0.00	69.82 2.43 0.00	60.30 2.21 0.00
PLSNTVLE_13_KV_13KVDSA_REV_LBMP_I 345020	44.42 1.71 0.00	38.86 1.53 0.00	35.51 1.53 0.00	31.71 1.48 0.00	32.85 1.47 0.00	35.92 1.65 0.00	36.68 2.04 0.00	40.18 2.52 0.00	43.81 2.79 0.00	45.95 3.05 0.00	49.80 3.17 0.00	54.42 3.37 0.00	59.44 3.73 0.00	67.98 4.03 0.00	83.26 5.08 0.00	92.16 5.95 0.00	115.55 9.81 -1.37	147.82 12.57 -0.06	165.78 13.35 -0.69	137.63 10.08 -3.08	108.95 6.71 -5.05	87.72 4.34 0.00	69.82 2.43 0.00	60.30 2.21 0.00
PLSTVYCH_69_KV_RQ-3_RG2_REV_LBMP_G 345023	44.42 1.71 0.00	38.82 1.49 0.00	35.47 1.50 0.00	31.67 1.45 0.00	32.85 1.47 0.00	35.96 1.68 0.00	36.68 2.04 0.00	40.06 2.41 0.00	43.65 2.63 0.00	45.77 2.87 0.00	49.66 3.03 0.00	54.27 3.22 0.00	59.38 3.68 0.00	68.04 4.09 0.00	83.33 5.16 0.00	92.25 6.04 0.00	115.52 9.81 -1.34	147.82 12.57 -0.06	166.22 13.81 -0.68	138.35 10.45 -3.43	109.91 7.10 -5.62	88.31 4.92 0.00	70.36 2.97 0.00	60.65 2.56 0.00
POLETTI_____ 23519	44.84 2.14 0.00	39.27 1.94 0.00	35.81 1.83 0.00	31.98 1.75 0.00	33.16 1.79 0.00	36.27 1.99 0.00	37.10 2.46 0.00	40.67 3.01 0.00	44.47 3.45 0.00	46.69 3.78 -0.01	50.56 3.92 -0.01	55.14 4.08 0.00	60.05 4.35 0.00	68.56 4.60 0.00	84.04 5.86 0.00	93.11 6.90 0.00	116.98 11.27 -1.33	149.30 14.06 -0.06	167.13 14.72 -0.68	138.58 11.08 -3.04	109.46 7.29 -4.98	88.14 4.75 0.00	70.09 2.70 0.00	60.65 2.56 0.00
POMONA___ESR 323819	44.37 1.66 0.00	38.86 1.53 0.00	35.47 1.49 0.00	31.67 1.45 0.00	32.82 1.44 0.00	35.92 1.65 0.00	36.68 2.04 0.00	40.10 2.45 0.00	43.73 2.71 0.00	45.90 3.00 0.00	49.62 2.99 0.00	54.32 3.27 0.00	59.28 3.57 0.00	67.85 3.90 0.00	83.18 5.01 0.00	92.16 5.94 0.00	115.52 9.92 -1.22	147.67 12.43 -0.05	165.56 13.19 -0.63	137.36 9.96 -2.94	108.62 6.61 -4.82	87.72 4.33 0.00	69.82 2.42 0.00	60.24 2.15 0.00
PORT_JEFF_3 23555	45.40 2.69 0.00	39.72 2.39 0.00	36.19 2.21 0.00	32.40 2.18 0.00	33.44 2.07 0.00	36.57 2.30 0.00	37.13 2.50 0.00	41.12 3.46 0.00	44.92 3.90 0.00	46.33 3.43 0.00	49.14 2.52 0.01	53.75 3.01 0.32	58.65 3.23 0.29	66.70 2.75 0.00	81.44 3.52 0.25	91.39 5.17 0.00	117.41 11.69 -1.35	182.18 15.00 -31.98	190.63 15.78 -23.11	139.34 11.83 -3.05	108.30 6.13 -4.97	86.15 3.76 0.99	62.63 2.29 7.05	52.86 1.62 6.86
PORT_JEFF_4 23616	45.40 2.69 0.00	39.72 2.39 0.00	36.19 2.21 0.00	32.40 2.18 0.00	33.44 2.07 0.00	36.57 2.30 0.00	37.13 2.50 0.00	41.12 3.46 0.00	44.92 3.90 0.00	46.33 3.43 0.00	49.14 2.52 0.01	53.75 3.01 0.32	58.65 3.23 0.29	66.70 2.75 0.00	81.44 3.52 0.25	91.39 5.17 0.00	117.41 11.69 -1.35	182.18 15.00 -31.98	190.63 15.78 -23.11	139.34 11.83 -3.05	108.30 6.13 -4.97	86.15 3.76 0.99	62.63 2.29 7.05	52.86 1.62 6.86



PORT_JEFF_IC 23713	45.65 2.95 0.00	39.79 2.46 0.00	36.26 2.28 0.00	32.43 2.21 0.00	33.60 2.23 0.00	36.64 2.37 0.00	37.20 2.56 0.00	41.16 3.50 0.00	45.00 3.98 0.00	46.46 3.56 0.00	49.47 2.84 0.01	54.11 3.47 0.41	58.94 3.62 0.39	67.66 3.71 0.00	81.82 3.99 0.34	91.64 5.43 0.00	117.63 11.90 -1.36	205.27 15.28 -54.80	206.96 16.08 -39.14	139.85 12.32 -3.06	108.10 5.93 -4.97	85.17 3.09 1.30	62.88 2.49 7.01	53.12 1.86 6.83
PPL PILGRIM_ST_GT1 24216	45.78 3.08 0.00	40.01 2.69 0.00	36.49 2.51 0.00	32.61 2.39 0.00	33.69 2.32 0.00	36.88 2.60 0.00	37.48 2.84 0.00	41.46 3.80 0.00	45.29 4.27 0.00	46.76 3.86 0.00	49.56 2.94 0.01	54.24 3.57 0.39	59.67 4.01 0.05	67.79 3.84 0.00	82.50 4.38 0.05	91.99 5.78 0.00	118.02 12.31 -1.33	151.06 15.81 -0.06	169.11 16.69 -0.68	140.07 12.57 -3.04	108.87 6.70 -4.97	86.50 4.33 1.22	63.79 3.23 6.84	53.64 2.21 6.66
PPL PILGRIM_ST_GT2 24217	45.78 3.08 0.00	40.01 2.69 0.00	36.49 2.51 0.00	32.61 2.39 0.00	33.69 2.32 0.00	36.88 2.60 0.00	37.48 2.84 0.00	41.46 3.80 0.00	45.29 4.27 0.00	46.76 3.86 0.00	49.56 2.94 0.01	54.24 3.57 0.39	59.67 4.01 0.05	67.79 3.84 0.00	82.50 4.38 0.05	91.99 5.78 0.00	118.02 12.31 -1.33	151.06 15.81 -0.06	169.11 16.69 -0.68	140.07 12.57 -3.04	108.87 6.70 -4.97	86.50 4.33 1.22	63.79 3.23 6.84	53.64 2.21 6.66
PPL_SHRM_GT3 24213	45.06 2.35 0.00	39.41 2.09 0.00	35.88 1.90 0.00	32.16 1.94 0.00	33.19 1.82 0.00	36.26 1.99 0.00	36.78 2.15 0.00	40.74 3.09 0.00	44.51 3.48 0.00	45.90 3.00 0.00	48.77 2.15 0.01	53.52 2.81 0.34	58.52 3.12 0.30	66.70 2.75 0.00	81.50 3.60 0.27	91.74 5.52 0.00	118.14 12.41 -1.35	187.56 15.94 -36.43	194.96 16.99 -26.23	140.34 12.82 -3.05	108.78 6.61 -4.97	86.50 4.17 1.06	62.58 2.22 7.03	52.76 1.51 6.84
PPL_SHRM_GT4 24214	45.06 2.35 0.00	39.41 2.09 0.00	35.88 1.90 0.00	32.16 1.94 0.00	33.19 1.82 0.00	36.26 1.99 0.00	36.78 2.15 0.00	40.74 3.09 0.00	44.51 3.48 0.00	45.90 3.00 0.00	48.77 2.15 0.01	53.52 2.81 0.34	58.52 3.12 0.30	66.70 2.75 0.00	81.50 3.60 0.27	91.74 5.52 0.00	118.14 12.41 -1.35	187.56 15.94 -36.43	194.96 16.99 -26.23	140.34 12.82 -3.05	108.78 6.61 -4.97	86.50 4.17 1.06	62.58 2.22 7.03	52.76 1.51 6.84
PROJECT___ORANGE 1 24174	42.54 -0.17 0.00	37.18 -0.15 0.00	33.81 -0.17 0.00	30.10 -0.12 0.00	31.25 -0.13 0.00	34.14 -0.14 0.00	34.74 0.10 0.00	37.73 0.08 0.00	41.27 0.25 0.00	43.20 0.30 0.00	47.05 0.42 0.00	51.72 0.66 0.00	56.43 0.72 0.00	65.04 1.09 0.00	79.50 1.33 0.00	88.03 1.81 0.00	106.88 2.50 0.00	144.29 3.24 -5.86	163.79 3.64 -8.41	131.94 3.11 -4.37	99.23 2.04 0.00	84.30 0.92 0.00	67.73 0.34 0.00	58.27 0.17 0.00
PROJECT___ORANGE 2 24166	42.54 -0.17 0.00	37.18 -0.15 0.00	33.81 -0.17 0.00	30.10 -0.12 0.00	31.25 -0.13 0.00	34.14 -0.14 0.00	34.74 0.10 0.00	37.73 0.08 0.00	41.27 0.25 0.00	43.20 0.30 0.00	47.05 0.42 0.00	51.72 0.66 0.00	56.43 0.72 0.00	65.04 1.09 0.00	79.50 1.33 0.00	88.03 1.81 0.00	106.88 2.50 0.00	144.29 3.24 -5.86	163.79 3.64 -8.41	131.94 3.11 -4.37	99.23 2.04 0.00	84.30 0.92 0.00	67.73 0.34 0.00	58.27 0.17 0.00
PUCKETT___SOLAR 323809	43.65 0.94 0.00	38.18 0.86 0.00	34.66 0.68 0.00	30.89 0.66 0.00	32.09 0.72 0.00	35.10 0.82 0.00	35.78 1.14 0.00	38.63 0.98 0.00	42.17 1.15 0.00	43.93 1.03 0.00	47.70 1.07 0.00	52.48 1.43 0.00	57.38 1.67 0.00	66.13 2.18 0.00	80.91 2.73 0.00	90.18 3.97 0.00	109.80 5.42 0.00	142.76 7.57 0.00	160.84 9.10 0.00	134.15 7.97 -1.71	105.73 5.73 -2.80	87.22 3.84 0.00	69.82 2.42 0.00	60.07 1.98 0.00
PYRITES___HYD 24023	43.86 1.15 0.00	38.18 0.86 0.00	34.56 0.58 0.00	30.59 0.36 0.00	31.66 0.28 0.00	34.62 0.34 0.00	34.71 0.07 0.00	37.43 -0.23 0.00	40.49 -0.53 0.00	42.04 -0.86 0.00	45.60 -1.03 0.00	49.22 -1.84 0.00	53.87 -1.84 0.00	61.71 -2.24 0.00	75.59 -2.58 0.00	83.20 -3.02 0.00	92.62 -6.37 5.39	61.73 -7.17 66.30	49.21 -7.28 95.24	71.01 -3.98 49.47	95.44 -1.75 0.00	83.47 0.08 0.00	68.34 0.94 0.00	59.02 0.93 0.00
QUAKERRD_115KV_BK1 80622	41.90 -0.81 0.00	36.54 -0.78 0.00	33.13 -0.85 0.00	29.56 -0.66 0.00	30.62 -0.75 0.00	33.42 -0.86 0.00	34.05 -0.59 0.00	36.75 -0.90 0.00	40.37 -0.66 0.00	42.30 -0.60 0.00	46.26 -0.37 0.00	51.16 0.10 0.00	55.71 0.00 0.00	64.53 0.58 0.00	78.72 0.55 0.00	87.77 1.55 0.00	106.36 1.98 0.00	136.95 1.76 0.00	153.86 2.12 0.00	126.20 1.74 0.00	98.07 0.87 0.00	82.80 -0.58 0.00	66.79 -0.61 0.00	57.51 -0.58 0.00
QUENSBRY_115KV_TB8 356137	44.67 1.96 0.00	39.08 1.75 0.00	35.68 1.70 0.00	31.74 1.51 0.00	33.00 1.63 0.00	36.09 1.82 0.00	36.68 2.04 0.00	39.95 2.30 0.00	43.24 2.22 0.00	45.05 2.15 0.00	48.73 2.10 0.00	53.35 2.30 0.00	58.44 2.73 0.00	66.96 3.01 0.00	82.16 3.99 0.00	90.96 4.74 0.00	117.00 7.31 -5.32	146.09 10.68 -0.22	168.37 13.96 -2.67	167.34 11.45 -31.43	157.50 8.84 -51.46	90.06 6.67 0.00	72.18 4.79 0.00	61.70 3.60 0.00
RAMAPO___LBMP 323565	44.20 1.49 0.00	38.71 1.38 0.00	35.34 1.36 0.00	31.55 1.33 0.00	32.72 1.35 0.00	35.79 1.51 0.00	36.54 1.90 0.00	39.95 2.30 0.00	43.56 2.54 0.00	45.69 2.79 0.00	49.52 2.89 0.00	54.12 3.06 0.00	59.05 3.34 0.00	67.60 3.65 0.00	82.71 4.53 0.00	91.56 5.35 0.00	114.66 9.08 -1.20	146.73 11.49 -0.05	164.49 12.14 -0.61	136.59 9.21 -2.92	107.90 5.93 -4.78	87.22 3.84 0.00	69.48 2.09 0.00	60.01 1.92 0.00
RANKINE____ 23646	41.85 -0.85 0.00	36.91 -0.41 0.00	33.23 -0.75 0.00	29.80 -0.42 0.00	30.68 -0.69 0.00	33.45 -0.82 0.00	34.15 -0.48 0.00	36.11 -1.54 0.00	40.08 -0.94 0.00	42.00 -0.90 0.00	45.84 -0.79 0.00	51.21 0.15 0.00	55.93 0.22 0.00	65.04 1.09 0.00	79.11 0.94 0.00	88.97 2.76 0.00	107.71 3.34 0.00	137.49 2.30 0.00	154.62 2.88 0.00	127.08 2.61 0.00	98.26 1.07 0.00	82.05 -1.33 0.00	66.59 -0.81 0.00	57.57 -0.52 0.00
RAVENSWOOD_GT2_1 24244	44.89 2.18 0.00	39.30 1.98 0.00	35.85 1.87 0.00	32.01 1.78 0.00	33.19 1.82 0.00	36.30 2.02 0.00	37.13 2.49 0.00	40.70 3.05 0.00	44.51 3.49 0.00	46.73 3.82 -0.02	50.61 3.96 -0.02	55.19 4.14 0.00	60.16 4.46 0.00	68.62 4.67 0.00	84.12 5.94 0.00	93.20 6.98 0.00	117.08 11.38 -1.33	149.44 14.19 -0.06	167.28 14.87 -0.68	138.83 11.33 -3.04	109.56 7.39 -4.98	88.31 4.92 0.00	70.23 2.83 0.00	60.71 2.61 0.00
RAVENSWOOD_GT2_2 24245	44.89 2.18 0.00	39.30 1.98 0.00	35.85 1.87 0.00	32.01 1.78 0.00	33.19 1.82 0.00	36.30 2.02 0.00	37.13 2.49 0.00	40.70 3.05 0.00	44.51 3.49 0.00	46.73 3.82 -0.02	50.61 3.96 -0.02	55.19 4.14 0.00	60.16 4.46 0.00	68.62 4.67 0.00	84.12 5.94 0.00	93.20 6.98 0.00	117.08 11.38 -1.33	149.44 14.19 -0.06	167.28 14.87 -0.68	138.83 11.33 -3.04	109.56 7.39 -4.98	88.31 4.92 0.00	70.23 2.83 0.00	60.71 2.61 0.00



RAVENSWOOD_GT2_3 24246	44.89 2.18 0.00	39.30 1.98 0.00	35.85 1.87 0.00	32.01 1.78 0.00	33.19 1.82 0.00	36.33 2.06 0.00	37.16 2.53 0.00	40.74 3.09 0.00	44.51 3.49 0.00	46.78 3.86 -0.02	50.61 3.96 -0.02	55.24 4.19 0.00	60.22 4.51 0.00	68.68 4.73 0.00	84.19 6.02 0.00	93.28 7.07 0.00	117.19 11.48 -1.33	149.58 14.33 -0.06	167.43 15.02 -0.68	138.95 11.45 -3.04	109.65 7.48 -4.98	88.31 4.92 0.00	70.23 2.83 0.00	60.77 2.67 0.00
RAVENSWOOD_GT2_4 24247	44.89 2.18 0.00	39.30 1.98 0.00	35.85 1.87 0.00	32.01 1.78 0.00	33.19 1.82 0.00	36.33 2.06 0.00	37.16 2.53 0.00	40.74 3.09 0.00	44.51 3.49 0.00	46.78 3.86 -0.02	50.61 3.96 -0.02	55.24 4.19 0.00	60.22 4.51 0.00	68.68 4.73 0.00	84.19 6.02 0.00	93.28 7.07 0.00	117.19 11.48 -1.33	149.58 14.33 -0.06	167.43 15.02 -0.68	138.95 11.45 -3.04	109.65 7.48 -4.98	88.31 4.92 0.00	70.23 2.83 0.00	60.77 2.67 0.00
RAVENSWOOD_GT3_1 24248	44.89 2.18 0.00	39.30 1.98 0.00	35.85 1.87 0.00	32.01 1.78 0.00	33.19 1.82 0.00	36.30 2.02 0.00	37.13 2.49 0.00	40.70 3.05 0.00	44.51 3.49 0.00	46.73 3.82 -0.02	50.61 3.96 -0.02	55.19 4.14 0.00	60.16 4.46 0.00	68.68 4.73 0.00	84.19 6.02 0.00	93.20 6.98 0.00	117.08 11.38 -1.33	149.44 14.19 -0.06	167.28 14.87 -0.68	138.83 11.33 -3.04	109.65 7.48 -4.98	88.31 4.92 0.00	70.23 2.83 0.00	60.71 2.61 0.00
RAVENSWOOD_GT3_2 24249	44.89 2.18 0.00	39.30 1.98 0.00	35.85 1.87 0.00	32.01 1.78 0.00	33.19 1.82 0.00	36.30 2.02 0.00	37.13 2.49 0.00	40.70 3.05 0.00	44.51 3.49 0.00	46.73 3.82 -0.02	50.61 3.96 -0.02	55.19 4.14 0.00	60.16 4.46 0.00	68.68 4.73 0.00	84.19 6.02 0.00	93.20 6.98 0.00	117.08 11.38 -1.33	149.44 14.19 -0.06	167.28 14.87 -0.68	138.83 11.33 -3.04	109.65 7.48 -4.98	88.31 4.92 0.00	70.23 2.83 0.00	60.71 2.61 0.00
RAVENSWOOD_GT3_3 24250	44.93 2.22 0.00	39.34 2.02 0.00	35.92 1.94 0.00	32.04 1.81 0.00	33.26 1.88 0.00	36.37 2.09 0.00	37.20 2.56 0.00	40.78 3.13 0.00	44.59 3.57 0.00	46.82 3.90 -0.02	50.70 4.06 -0.02	55.34 4.29 0.00	60.28 4.57 0.00	68.81 4.86 0.00	84.35 6.18 0.00	93.37 7.16 0.00	117.40 11.69 -1.33	149.85 14.60 -0.06	167.74 15.33 -0.68	139.08 11.57 -3.04	109.85 7.68 -4.98	88.47 5.09 0.00	70.36 2.97 0.00	60.82 2.73 0.00
RAVENSWOOD_GT3_4 24251	44.93 2.22 0.00	39.34 2.02 0.00	35.92 1.94 0.00	32.04 1.81 0.00	33.26 1.88 0.00	36.37 2.09 0.00	37.20 2.56 0.00	40.78 3.13 0.00	44.59 3.57 0.00	46.82 3.90 -0.02	50.70 4.06 -0.02	55.34 4.29 0.00	60.28 4.57 0.00	68.81 4.86 0.00	84.35 6.18 0.00	93.37 7.16 0.00	117.40 11.69 -1.33	149.85 14.60 -0.06	167.74 15.33 -0.68	139.08 11.57 -3.04	109.85 7.68 -4.98	88.47 5.09 0.00	70.36 2.97 0.00	60.82 2.73 0.00
RAVENSWOOD_GT_1 23729	45.10 2.39 0.00	39.49 2.16 0.00	36.02 2.04 0.00	32.16 1.93 0.00	33.35 1.98 0.00	36.47 2.19 0.00	37.34 2.70 0.00	40.93 3.28 0.00	44.71 3.69 0.00	46.95 4.03 -0.02	50.75 4.10 -0.02	55.50 4.44 0.00	60.33 4.62 0.00	68.30 4.35 0.00	83.72 5.55 0.00	92.77 6.55 0.00	116.56 10.85 -1.33	148.76 13.52 -0.06	166.52 14.11 -0.68	138.20 10.70 -3.04	109.17 7.00 -4.98	87.81 4.42 0.00	69.82 2.43 0.00	60.53 2.44 0.00
RAVENSWOOD_GT_10 24258	44.89 2.18 0.00	39.30 1.98 0.00	35.85 1.87 0.00	32.01 1.78 0.00	33.19 1.82 0.00	36.30 2.02 0.00	37.13 2.49 0.00	40.70 3.05 0.00	44.51 3.49 0.00	46.73 3.82 -0.02	50.61 3.96 -0.02	55.19 4.14 0.00	60.16 4.46 0.00	68.68 4.73 0.00	84.19 6.02 0.00	93.20 6.98 0.00	117.08 11.38 -1.33	149.44 14.19 -0.06	167.43 15.02 -0.68	138.83 11.33 -3.04	109.65 7.48 -4.98	88.31 4.92 0.00	70.23 2.83 0.00	60.71 2.61 0.00
RAVENSWOOD_GT_11 24259	44.89 2.18 0.00	39.30 1.98 0.00	35.85 1.87 0.00	32.01 1.78 0.00	33.19 1.82 0.00	36.30 2.02 0.00	37.13 2.49 0.00	40.70 3.05 0.00	44.51 3.49 0.00	46.73 3.82 -0.02	50.61 3.96 -0.02	55.19 4.14 0.00	60.16 4.46 0.00	68.68 4.73 0.00	84.19 6.02 0.00	93.20 6.98 0.00	117.08 11.38 -1.33	149.44 14.19 -0.06	167.43 15.02 -0.68	138.83 11.33 -3.04	109.65 7.48 -4.98	88.31 4.92 0.00	70.23 2.83 0.00	60.71 2.61 0.00
RAVENSWOOD_GT_4 24252	44.89 2.18 0.00	39.30 1.98 0.00	35.85 1.87 0.00	32.01 1.78 0.00	33.19 1.82 0.00	36.30 2.02 0.00	37.13 2.49 0.00	40.70 3.05 0.00	44.51 3.49 0.00	46.73 3.82 -0.02	50.61 3.96 -0.02	55.19 4.14 0.00	60.16 4.46 0.00	68.68 4.73 0.00	84.19 6.02 0.00	93.20 6.98 0.00	117.08 11.38 -1.33	149.44 14.19 -0.06	167.43 15.02 -0.68	138.83 11.33 -3.04	109.65 7.48 -4.98	88.31 4.92 0.00	70.23 2.83 0.00	60.71 2.61 0.00
RAVENSWOOD_GT_5 24254	44.89 2.18 0.00	39.30 1.98 0.00	35.85 1.87 0.00	32.01 1.78 0.00	33.19 1.82 0.00	36.30 2.02 0.00	37.13 2.49 0.00	40.70 3.05 0.00	44.51 3.49 0.00	46.73 3.82 -0.02	50.61 3.96 -0.02	55.19 4.14 0.00	60.16 4.46 0.00	68.68 4.73 0.00	84.19 6.02 0.00	93.20 6.98 0.00	117.08 11.38 -1.33	149.44 14.19 -0.06	167.43 15.02 -0.68	138.83 11.33 -3.04	109.65 7.48 -4.98	88.31 4.92 0.00	70.23 2.83 0.00	60.71 2.61 0.00
RAVENSWOOD_GT_6 24253	44.89 2.18 0.00	39.30 1.98 0.00	35.85 1.87 0.00	32.01 1.78 0.00	33.19 1.82 0.00	36.30 2.02 0.00	37.13 2.49 0.00	40.70 3.05 0.00	44.51 3.49 0.00	46.73 3.82 -0.02	50.61 3.96 -0.02	55.19 4.14 0.00	60.16 4.46 0.00	68.68 4.73 0.00	84.19 6.02 0.00	93.20 6.98 0.00	117.08 11.38 -1.33	149.44 14.19 -0.06	167.43 15.02 -0.68	138.83 11.33 -3.04	109.65 7.48 -4.98	88.31 4.92 0.00	70.23 2.83 0.00	60.71 2.61 0.00
RAVENSWOOD_GT_7 24255	44.89 2.18 0.00	39.30 1.98 0.00	35.85 1.87 0.00	32.01 1.78 0.00	33.19 1.82 0.00	36.30 2.02 0.00	37.13 2.49 0.00	40.70 3.05 0.00	44.51 3.49 0.00	46.73 3.82 -0.02	50.61 3.96 -0.02	55.19 4.14 0.00	60.16 4.46 0.00	68.68 4.73 0.00	84.19 6.02 0.00	93.20 6.98 0.00	117.08 11.38 -1.33	149.44 14.19 -0.06	167.43 15.02 -0.68	138.83 11.33 -3.04	109.65 7.48 -4.98	88.31 4.92 0.00	70.23 2.83 0.00	60.71 2.61 0.00
RAVENSWOOD_GT_8 TEMP GRP(8-11) 24256	44.89 2.18 0.00	39.30 1.98 0.00	35.85 1.87 0.00	32.01 1.78 0.00	33.19 1.82 0.00	36.30 2.02 0.00	37.13 2.49 0.00	40.70 3.05 0.00	44.51 3.49 0.00	46.73 3.82 -0.02	50.61 3.96 -0.02	55.19 4.14 0.00	60.16 4.46 0.00	68.68 4.73 0.00	84.19 6.02 0.00	93.20 6.98 0.00	117.08 11.38 -1.33	149.44 14.19 -0.06	167.43 15.02 -0.68	138.83 11.33 -3.04	109.65 7.48 -4.98	88.31 4.92 0.00	70.23 2.83 0.00	60.71 2.61 0.00
RAVENSWOOD_GT_9 24257	44.89 2.18 0.00	39.30 1.98 0.00	35.85 1.87 0.00	32.01 1.78 0.00	33.19 1.82 0.00	36.30 2.02 0.00	37.13 2.49 0.00	40.70 3.05 0.00	44.51 3.49 0.00	46.73 3.82 -0.02	50.61 3.96 -0.02	55.19 4.14 0.00	60.16 4.46 0.00	68.68 4.73 0.00	84.19 6.02 0.00	93.20 6.98 0.00	117.08 11.38 -1.33	149.44 14.19 -0.06	167.43 15.02 -0.68	138.83 11.33 -3.04	109.65 7.48 -4.98	88.31 4.92 0.00	70.23 2.83 0.00	60.71 2.61 0.00



RAVENSWOOD___1 23533	45.06 2.35 -0.01	39.50 2.16 -0.01	36.03 2.04 -0.01	32.17 1.94 -0.01	33.36 1.98 -0.01	36.48 2.20 -0.01	37.31 2.67 -0.01	40.90 3.24 -0.01	44.68 3.65 -0.01	46.91 3.99 -0.02	50.61 3.96 -0.02	55.39 4.34 0.00	60.00 4.29 0.00	68.10 4.15 0.01	83.56 5.39 0.01	92.59 6.38 0.01	116.35 10.65 -1.33	148.49 13.26 -0.05	166.21 13.81 -0.67	137.95 10.46 -3.03	109.06 6.90 -4.97	87.80 4.42 0.01	69.81 2.42 0.01	60.42 2.33 0.00
RAVENSWOOD___2 23534	44.98 2.26 -0.01	39.42 2.09 -0.01	35.96 1.97 -0.01	32.11 1.87 -0.01	33.29 1.91 -0.01	36.41 2.13 -0.01	37.24 2.60 -0.01	40.83 3.16 -0.01	44.60 3.57 -0.01	46.83 3.90 -0.02	50.51 3.87 -0.02	55.29 4.24 0.00	59.83 4.12 0.00	67.52 3.58 0.01	82.86 4.69 0.01	91.81 5.60 0.01	115.41 9.71 -1.33	147.14 11.90 -0.05	164.85 12.44 -0.67	136.70 9.21 -3.03	108.19 6.03 -4.97	87.22 3.84 0.01	69.34 1.96 0.01	60.30 2.21 0.00
RAVENSWOOD___3 23535	44.84 2.13 0.00	39.30 1.98 0.00	35.85 1.87 0.00	32.01 1.78 0.00	33.19 1.82 0.00	36.30 2.02 0.00	37.13 2.50 0.00	40.70 3.05 0.00	44.51 3.48 0.00	46.73 3.82 -0.02	50.51 3.87 -0.02	55.14 4.09 0.00	60.00 4.29 0.00	68.56 4.61 0.00	84.11 5.94 0.00	93.20 6.98 0.00	117.18 11.48 -1.33	149.44 14.19 -0.06	167.29 14.88 -0.68	138.83 11.32 -3.04	109.76 7.59 -4.98	88.39 5.00 0.00	70.29 2.90 0.00	60.71 2.62 0.00
RAVENSWOOD___4 23820	45.06 2.35 -0.01	39.46 2.13 -0.01	36.03 2.04 -0.01	32.14 1.91 -0.01	33.33 1.95 -0.01	36.48 2.20 -0.01	37.31 2.67 -0.01	40.90 3.24 -0.01	44.68 3.65 -0.01	46.91 3.99 -0.02	50.56 3.92 -0.02	55.34 4.29 0.00	59.94 4.23 0.00	68.04 4.10 0.01	83.40 5.24 0.01	92.50 6.29 0.01	116.23 10.54 -1.32	148.35 13.11 -0.05	166.07 13.66 -0.67	137.70 10.21 -3.03	108.96 6.80 -4.97	87.71 4.33 0.01	69.68 2.29 0.01	60.36 2.26 0.00
RCPL_TRUST___DRP 24196	44.89 2.18 0.00	39.30 1.98 0.00	35.85 1.87 0.00	32.01 1.78 0.00	33.19 1.82 0.00	36.33 2.06 0.00	37.20 2.56 0.00	40.78 3.13 0.00	44.55 3.53 0.00	46.86 3.95 -0.01	50.70 4.06 -0.01	55.34 4.29 0.00	60.28 4.57 0.00	68.88 4.92 0.00	84.43 6.25 0.00	93.46 7.24 0.00	117.50 11.79 -1.33	149.85 14.60 -0.06	167.74 15.33 -0.68	139.08 11.57 -3.04	109.75 7.58 -4.97	88.47 5.09 0.00	70.29 2.90 0.00	60.82 2.73 0.00
RED___ROCHESTER 323720	43.22 0.51 0.00	37.66 0.34 0.00	34.08 0.10 0.00	30.41 0.18 0.00	31.53 0.16 0.00	34.35 0.07 0.00	35.05 0.42 0.00	37.80 0.15 0.00	41.64 0.62 0.00	43.63 0.73 0.00	48.12 1.49 0.00	53.15 2.09 0.00	58.16 2.45 0.00	67.02 3.07 0.00	81.61 3.44 0.00	91.39 5.17 0.00	110.53 6.16 0.00	141.95 6.76 0.00	159.47 7.73 0.00	130.93 6.47 0.00	101.57 4.38 0.00	85.72 2.33 0.00	69.14 1.75 0.00	59.43 1.34 0.00
REGAN___SOLAR 323812	46.17 3.46 0.00	40.35 3.02 0.00	36.77 2.79 0.00	32.70 2.48 0.00	34.01 2.64 0.00	37.26 2.98 0.00	37.72 3.08 0.00	40.74 3.09 0.00	44.30 3.28 0.00	46.03 3.13 0.00	50.03 3.40 0.00	54.89 3.83 0.00	60.17 4.46 0.00	68.81 4.86 0.00	84.19 6.02 0.00	93.29 7.07 0.00	116.70 9.50 -2.83	149.10 13.80 -0.12	170.47 17.29 -1.45	170.75 15.18 -31.11	159.98 11.85 -50.94	92.97 9.59 0.00	74.47 7.07 0.00	63.67 5.58 0.00
RENSSELAER___COGEN 23796	42.71 0.00 0.00	37.40 0.07 0.00	34.35 0.37 0.00	30.71 0.48 0.00	31.81 0.44 0.00	34.72 0.44 0.00	35.26 0.62 0.00	38.41 0.75 0.00	41.72 0.70 0.00	43.54 0.64 0.00	47.19 0.56 0.00	51.62 0.56 0.00	56.43 0.72 0.00	64.72 0.77 0.00	78.96 0.78 0.00	87.08 0.86 0.00	82.96 2.40 23.82	137.43 3.24 1.00	143.07 3.49 12.16	143.52 2.24 -16.81	126.19 1.46 -27.53	84.14 0.75 0.00	67.53 0.14 0.00	58.27 0.17 0.00
REPUBLIC_115KV_BARTNBRK 55605	46.81 4.10 0.00	40.91 3.58 0.00	37.27 3.30 0.00	33.10 2.87 0.00	34.45 3.07 0.00	37.74 3.46 0.00	38.34 3.71 0.00	41.72 4.07 0.00	45.04 4.02 0.00	46.89 3.99 0.00	50.78 4.15 0.00	55.70 4.65 0.00	61.17 5.46 0.00	70.22 6.27 0.00	86.15 7.97 0.00	95.78 9.57 0.00	123.18 13.36 -5.45	154.75 19.33 -0.23	178.45 23.97 -2.74	175.89 20.16 -31.27	164.04 15.65 -51.20	95.73 12.34 0.00	76.63 9.23 0.00	65.24 7.15 0.00
REVERE_CPPR_DRP 24186	44.33 1.62 0.00	38.74 1.42 0.00	35.17 1.19 0.00	31.25 1.03 0.00	32.53 1.16 0.00	35.72 1.44 0.00	36.26 1.63 0.00	39.39 1.73 0.00	42.91 1.89 0.00	44.75 1.84 0.00	48.54 1.91 0.00	53.20 2.14 0.00	58.10 2.40 0.00	67.02 3.07 0.00	82.16 3.99 0.00	90.35 4.14 0.00	110.55 5.43 -0.75	161.58 8.25 -18.15	187.67 9.86 -26.07	146.96 8.96 -13.54	103.71 6.51 0.00	88.72 5.34 0.00	70.97 3.57 0.00	60.88 2.79 0.00
REYNLDPA_13_KV_LD 356490	42.96 0.26 0.00	37.44 0.11 0.00	33.94 -0.03 0.00	30.07 -0.15 0.00	31.22 -0.16 0.00	34.04 -0.24 0.00	34.15 -0.48 0.00	36.94 -0.72 0.00	40.12 -0.90 0.00	41.87 -1.03 0.00	45.60 -1.03 0.00	49.73 -1.33 0.00	54.65 -1.06 0.00	62.67 -1.28 0.00	76.53 -1.64 0.00	84.06 -2.16 0.00	93.12 -4.49 6.76	108.00 -5.68 21.51	114.62 -6.22 30.90	103.93 -4.48 16.05	94.28 -2.92 0.00	82.14 -1.25 0.00	67.13 -0.27 0.00	58.04 -0.06 0.00
REYNOLDS_115KV_TB3 80639	43.13 0.43 0.00	37.81 0.49 0.00	34.69 0.71 0.00	31.01 0.79 0.00	32.13 0.75 0.00	35.07 0.79 0.00	35.64 1.00 0.00	38.82 1.17 0.00	42.13 1.11 0.00	44.02 1.12 0.00	47.80 1.17 0.00	52.28 1.23 0.00	57.16 1.45 0.00	65.49 1.53 0.00	79.97 1.80 0.00	88.20 1.98 0.00	123.74 3.86 -15.51	140.84 5.00 -0.65	165.09 5.46 -7.89	147.12 3.98 -18.67	130.40 2.62 -30.58	85.14 1.75 0.00	68.34 0.94 0.00	58.85 0.76 0.00
RIVERBAY____ 323610	45.91 3.20 0.00	40.20 2.87 0.00	36.70 2.72 0.00	32.73 2.51 0.00	33.95 2.57 0.00	37.12 2.85 0.00	37.93 3.29 0.00	41.49 3.84 0.00	45.33 4.31 0.00	47.45 4.55 0.00	51.26 4.62 -0.02	56.41 5.36 0.00	61.34 5.63 -0.01	69.45 5.50 0.00	85.13 6.96 0.00	94.32 8.10 0.00	118.44 12.73 -1.33	151.60 16.36 -0.06	169.71 17.30 -0.68	140.82 13.32 -3.04	111.21 9.04 -4.98	89.56 6.17 0.00	71.24 3.84 0.00	61.65 3.54 -0.01
RIVERSDE_115KV_TB3 55908	42.96 0.26 0.00	37.66 0.34 0.00	34.59 0.61 0.00	30.92 0.70 0.00	32.03 0.66 0.00	34.96 0.69 0.00	35.50 0.87 0.00	38.67 1.02 0.00	42.01 0.98 0.00	43.84 0.94 0.00	47.61 0.98 0.00	52.08 1.02 0.00	56.93 1.23 0.00	65.29 1.34 0.00	79.66 1.49 0.00	87.94 1.72 0.00	114.23 3.44 -6.42	140.05 4.60 -0.27	159.99 5.01 -3.25	147.00 3.61 -18.93	130.52 2.33 -30.99	84.89 1.50 0.00	68.14 0.74 0.00	58.73 0.64 0.00
ROARING___BROOK_WT_PWR 323790	42.02 -0.68 0.00	36.58 -0.75 0.00	33.23 -0.75 0.00	29.53 -0.69 0.00	30.62 -0.75 0.00	33.45 -0.82 0.00	33.77 -0.86 0.00	36.75 -0.90 0.00	40.12 -0.90 0.00	42.00 -0.90 0.00	45.74 -0.89 0.00	50.03 -1.02 0.00	54.71 -1.00 0.00	62.73 -1.22 0.00	76.69 -1.49 0.00	84.24 -1.98 0.00	81.69 -2.61 20.08	126.76 -3.25 5.19	140.95 -3.34 7.45	118.10 -2.49 3.87	95.25 -1.94 0.00	81.80 -1.59 0.00	66.31 -1.08 0.00	57.11 -0.99 0.00



ROCHESRG_115KV_T4 355643	42.67 -0.04 0.00	37.25 -0.07 0.00	33.74 -0.24 0.00	30.13 -0.09 0.00	31.18 -0.19 0.00	34.00 -0.27 0.00	34.67 0.03 0.00	37.39 -0.26 0.00	41.14 0.12 0.00	43.07 0.17 0.00	47.10 0.47 0.00	52.23 1.17 0.00	56.54 0.84 0.00	65.55 1.60 0.00	79.89 1.72 0.00	89.23 3.02 0.00	108.03 3.65 0.00	138.70 3.51 0.00	155.98 4.25 0.00	128.07 3.61 0.00	99.43 2.24 0.00	83.80 0.42 0.00	67.73 0.34 0.00	58.38 0.29 0.00
ROCHESTER_9_IC 23652	42.92 0.21 0.00	37.44 0.11 0.00	33.91 -0.07 0.00	30.25 0.03 0.00	31.34 -0.03 0.00	34.17 -0.10 0.00	34.84 0.21 0.00	37.58 -0.08 0.00	41.35 0.33 0.00	43.33 0.43 0.00	47.42 0.79 0.00	52.59 1.53 0.00	57.16 1.45 0.00	66.32 2.37 0.00	80.83 2.66 0.00	90.27 4.05 0.00	109.38 5.01 0.00	140.46 5.27 0.00	157.96 6.22 0.00	129.57 5.10 0.00	100.60 3.40 0.00	84.72 1.33 0.00	68.47 1.08 0.00	58.97 0.87 0.00
ROCKVIEW_13_KV_LD 356306	44.89 2.18 0.00	39.27 1.94 0.00	35.81 1.83 0.00	31.98 1.75 0.00	33.16 1.79 0.00	36.30 2.02 0.00	37.10 2.46 0.00	40.67 3.01 0.00	44.43 3.40 0.00	46.68 3.78 0.00	50.55 3.92 0.00	55.19 4.14 0.00	60.22 4.51 0.00	68.88 4.92 0.00	84.43 6.25 0.00	93.54 7.33 0.00	117.50 11.79 -1.33	150.39 15.14 -0.06	168.50 16.08 -0.68	139.70 12.20 -3.04	110.33 8.16 -4.98	88.72 5.34 0.00	70.43 3.03 0.00	60.82 2.73 0.00
ROME____115KV_TB2 80656	44.33 1.62 0.00	38.74 1.42 0.00	35.17 1.19 0.00	31.25 1.03 0.00	32.53 1.16 0.00	35.72 1.44 0.00	36.26 1.63 0.00	39.39 1.73 0.00	42.91 1.89 0.00	44.75 1.84 0.00	48.54 1.91 0.00	53.20 2.14 0.00	58.10 2.40 0.00	67.02 3.07 0.00	82.16 3.99 0.00	90.35 4.14 0.00	110.55 5.43 -0.75	161.58 8.25 -18.15	187.67 9.86 -26.07	146.96 8.96 -13.54	103.71 6.51 0.00	88.72 5.34 0.00	70.97 3.57 0.00	60.88 2.79 0.00
ROSETON___1 23587	43.99 1.28 0.00	38.52 1.19 0.00	35.20 1.22 0.00	31.43 1.21 0.00	32.56 1.19 0.00	35.61 1.34 0.00	36.30 1.66 0.00	39.69 2.03 0.00	43.28 2.25 0.00	45.34 2.44 0.00	49.10 2.47 0.00	53.66 2.60 0.00	58.49 2.78 0.00	66.96 3.01 0.00	82.00 3.83 0.00	90.70 4.48 0.00	113.28 7.72 -1.19	144.98 9.74 -0.05	162.66 10.32 -0.61	135.27 7.85 -2.97	107.20 5.15 -4.86	86.73 3.34 0.00	69.22 1.82 0.00	59.78 1.69 0.00
ROSETON___2 23588	43.99 1.28 0.00	38.52 1.19 0.00	35.20 1.22 0.00	31.43 1.21 0.00	32.56 1.19 0.00	35.61 1.34 0.00	36.30 1.66 0.00	39.69 2.03 0.00	43.28 2.25 0.00	45.34 2.44 0.00	49.10 2.47 0.00	53.66 2.60 0.00	58.49 2.78 0.00	66.96 3.01 0.00	82.00 3.83 0.00	90.70 4.48 0.00	113.28 7.72 -1.19	144.98 9.74 -0.05	162.66 10.32 -0.61	135.27 7.85 -2.97	107.20 5.15 -4.86	86.73 3.34 0.00	69.22 1.82 0.00	59.78 1.69 0.00
ROTTRDAM_115KV_TB3 80664	43.69 0.98 0.00	38.22 0.90 0.00	34.90 0.92 0.00	31.10 0.88 0.00	32.28 0.91 0.00	35.27 0.99 0.00	35.78 1.14 0.00	38.93 1.28 0.00	42.33 1.31 0.00	44.23 1.33 0.00	48.03 1.40 0.00	52.59 1.53 0.00	57.44 1.73 0.00	65.87 1.92 0.00	80.52 2.35 0.00	88.97 2.76 0.00	111.86 4.28 -3.20	141.27 5.95 -0.13	160.30 6.98 -1.58	164.17 5.60 -34.11	157.13 4.08 -55.85	86.39 3.00 0.00	69.42 2.02 0.00	59.72 1.63 0.00
RUSSELL___1 23602	43.22 0.51 0.00	37.66 0.34 0.00	34.08 0.10 0.00	30.41 0.18 0.00	31.50 0.13 0.00	34.35 0.07 0.00	35.02 0.38 0.00	37.80 0.15 0.00	41.64 0.62 0.00	43.63 0.73 0.00	47.80 1.17 0.00	53.05 1.99 0.00	57.66 1.95 0.00	66.96 3.01 0.00	81.54 3.36 0.00	91.13 4.91 0.00	110.43 6.05 0.00	141.81 6.62 0.00	159.47 7.74 0.00	130.81 6.35 0.00	101.57 4.37 0.00	85.47 2.08 0.00	69.08 1.68 0.00	59.43 1.34 0.00
RUSSELL___2 23532	43.22 0.51 0.00	37.66 0.34 0.00	34.08 0.10 0.00	30.41 0.18 0.00	31.50 0.13 0.00	34.35 0.07 0.00	35.02 0.38 0.00	37.80 0.15 0.00	41.64 0.62 0.00	43.63 0.73 0.00	47.80 1.17 0.00	53.05 1.99 0.00	57.66 1.95 0.00	66.96 3.01 0.00	81.54 3.36 0.00	91.13 4.91 0.00	110.43 6.05 0.00	141.81 6.62 0.00	159.47 7.74 0.00	130.81 6.35 0.00	101.57 4.37 0.00	85.47 2.08 0.00	69.08 1.68 0.00	59.43 1.34 0.00
RUSSELL___3 23549	43.22 0.51 0.00	37.66 0.34 0.00	34.08 0.10 0.00	30.41 0.18 0.00	31.50 0.13 0.00	34.35 0.07 0.00	35.02 0.38 0.00	37.80 0.15 0.00	41.64 0.62 0.00	43.63 0.73 0.00	47.80 1.17 0.00	53.05 1.99 0.00	57.66 1.95 0.00	66.96 3.01 0.00	81.54 3.36 0.00	91.13 4.91 0.00	110.43 6.05 0.00	141.81 6.62 0.00	159.47 7.74 0.00	130.81 6.35 0.00	101.57 4.37 0.00	85.47 2.08 0.00	69.08 1.68 0.00	59.43 1.34 0.00
RUSSELL___4 23556	43.22 0.51 0.00	37.66 0.34 0.00	34.08 0.10 0.00	30.41 0.18 0.00	31.50 0.13 0.00	34.35 0.07 0.00	35.02 0.38 0.00	37.80 0.15 0.00	41.64 0.62 0.00	43.63 0.73 0.00	47.80 1.17 0.00	53.05 1.99 0.00	57.66 1.95 0.00	66.96 3.01 0.00	81.54 3.36 0.00	91.13 4.91 0.00	110.43 6.05 0.00	141.81 6.62 0.00	159.47 7.74 0.00	130.81 6.35 0.00	101.57 4.37 0.00	85.47 2.08 0.00	69.08 1.68 0.00	59.43 1.34 0.00
RUSSELL___STATION 23914	43.22 0.51 0.00	37.66 0.34 0.00	34.08 0.10 0.00	30.41 0.18 0.00	31.50 0.13 0.00	34.35 0.07 0.00	35.02 0.38 0.00	37.80 0.15 0.00	41.64 0.62 0.00	43.63 0.73 0.00	47.80 1.17 0.00	53.05 1.99 0.00	57.66 1.95 0.00	66.96 3.01 0.00	81.54 3.36 0.00	91.13 4.91 0.00	110.43 6.05 0.00	141.81 6.62 0.00	159.47 7.74 0.00	130.81 6.35 0.00	101.57 4.37 0.00	85.47 2.08 0.00	69.08 1.68 0.00	59.43 1.34 0.00
S SALMON___HYD 24043	42.84 0.13 0.00	37.44 0.11 0.00	34.01 0.03 0.00	30.25 0.03 0.00	31.44 0.06 0.00	34.45 0.17 0.00	34.98 0.35 0.00	37.95 0.30 0.00	41.39 0.37 0.00	43.24 0.34 0.00	46.96 0.33 0.00	51.36 0.31 0.00	56.10 0.39 0.00	64.27 0.32 0.00	78.57 0.39 0.00	87.08 0.86 0.00	105.42 1.04 0.00	157.27 1.75 -20.33	183.52 2.58 -29.20	142.61 2.98 -15.17	99.24 2.04 0.00	85.31 1.92 0.00	68.54 1.14 0.00	58.85 0.75 0.00
S.PERRY__115KV_TB1 80734	44.37 1.67 0.00	38.63 1.31 0.00	34.86 0.88 0.00	31.13 0.91 0.00	32.25 0.88 0.00	35.20 0.93 0.00	35.95 1.32 0.00	38.41 0.75 0.00	41.96 0.94 0.00	43.80 0.90 0.00	46.21 -0.42 0.00	51.16 0.10 0.00	55.71 0.00 0.00	64.59 0.64 0.00	76.61 -1.56 0.00	86.21 0.00 0.00	105.00 0.63 0.00	135.05 -0.14 0.00	153.10 1.37 0.00	127.95 3.48 0.00	99.92 2.72 0.00	83.64 0.25 0.00	69.35 1.95 0.00	59.37 1.28 0.00
SAWYER_23_KV_LOAD_REV_LBMP_A 345024	41.51 -1.20 0.00	36.69 -0.63 0.00	33.03 -0.95 0.00	29.65 -0.57 0.00	30.53 -0.85 0.00	33.25 -1.03 0.00	33.91 -0.73 0.00	35.88 -1.77 0.00	39.79 -1.23 0.00	41.70 -1.20 0.00	45.46 -1.17 0.00	50.80 -0.26 0.00	55.49 -0.22 0.00	64.46 0.51 0.00	78.41 0.23 0.00	88.11 1.90 0.00	106.56 2.19 0.00	135.87 0.68 0.00	152.80 1.06 0.00	125.46 1.00 0.00	97.19 0.00 0.00	81.22 -2.17 0.00	65.98 -1.42 0.00	57.16 -0.93 0.00



SAWYER___23_KV_LOAD 55526	41.51 -1.20 0.00	36.69 -0.63 0.00	33.03 -0.95 0.00	29.65 -0.57 0.00	30.53 -0.85 0.00	33.25 -1.03 0.00	33.91 -0.73 0.00	35.88 -1.77 0.00	39.79 -1.23 0.00	41.70 -1.20 0.00	45.46 -1.17 0.00	50.80 -0.26 0.00	55.49 -0.22 0.00	64.46 0.51 0.00	78.41 0.23 0.00	88.11 1.90 0.00	106.56 2.19 0.00	135.87 0.68 0.00	152.80 1.06 0.00	125.46 1.00 0.00	97.19 0.00 0.00	81.22 -2.17 0.00	65.98 -1.42 0.00	57.16 -0.93 0.00
SELKIRK___I 23801	42.28 -0.43 0.00	37.02 -0.30 0.00	33.94 -0.03 0.00	30.28 0.06 0.00	31.40 0.03 0.00	34.28 0.00 0.00	34.74 0.10 0.00	37.80 0.15 0.00	41.02 0.00 0.00	42.60 -0.09 0.22	46.40 -0.23 0.00	50.75 -0.30 0.00	55.43 -0.28 0.00	63.63 -0.32 0.00	74.98 -0.47 2.73	80.72 -0.51 4.98	93.11 0.63 11.89	135.77 1.08 0.50	147.03 1.36 6.07	137.53 0.63 -12.44	117.76 0.19 -20.37	83.30 -0.08 0.00	66.93 -0.47 0.00	57.69 -0.40 0.00
SELKIRK___II 23799	42.58 -0.13 0.00	37.29 -0.04 0.00	34.18 0.21 0.00	30.53 0.30 0.00	31.62 0.25 0.00	34.52 0.24 0.00	35.05 0.42 0.00	38.18 0.53 0.00	41.52 0.49 0.00	42.55 0.43 0.78	47.00 0.37 0.00	51.41 0.36 0.00	56.15 0.44 0.00	64.46 0.51 0.00	68.70 0.39 9.87	68.70 0.52 18.04	92.46 1.88 13.79	137.05 2.44 0.58	147.27 2.58 7.04	139.43 1.61 -13.36	119.94 0.87 -21.87	83.81 0.42 0.00	67.26 -0.13 0.00	58.04 -0.06 0.00
SENECA OSWGO___HYD 24041	42.24 -0.47 0.00	36.92 -0.41 0.00	33.57 -0.41 0.00	29.89 -0.33 0.00	31.03 -0.34 0.00	33.90 -0.38 0.00	34.46 -0.17 0.00	37.43 -0.22 0.00	40.90 -0.12 0.00	42.81 -0.09 0.00	46.58 -0.05 0.00	51.11 0.05 0.00	55.82 0.11 0.00	64.14 0.19 0.00	78.41 0.24 0.00	86.90 0.69 0.00	105.42 1.04 0.00	143.44 1.49 -6.76	163.12 1.67 -9.71	131.12 1.61 -5.04	98.17 0.97 0.00	83.55 0.17 0.00	67.13 -0.27 0.00	57.75 -0.35 0.00
SENECA___115KV_TB3 355854	41.90 -0.81 0.00	36.95 -0.37 0.00	33.30 -0.68 0.00	29.86 -0.36 0.00	30.75 -0.63 0.00	33.52 -0.75 0.00	34.19 -0.45 0.00	36.19 -1.47 0.00	40.12 -0.90 0.00	42.09 -0.82 0.00	45.93 -0.70 0.00	51.31 0.26 0.00	56.10 0.39 0.00	65.17 1.22 0.00	79.27 1.09 0.00	89.15 2.93 0.00	107.92 3.55 0.00	137.76 2.57 0.00	154.92 3.19 0.00	127.33 2.86 0.00	98.46 1.26 0.00	82.22 -1.17 0.00	66.72 -0.67 0.00	57.69 -0.41 0.00
SENECA___ENERGY 23797	42.92 0.21 0.00	37.47 0.15 0.00	33.98 0.00 0.00	30.28 0.06 0.00	31.44 0.06 0.00	34.35 0.07 0.00	35.05 0.42 0.00	37.92 0.27 0.00	41.55 0.53 0.00	43.50 0.60 0.00	47.51 0.88 0.00	52.33 1.28 0.00	57.15 1.45 0.00	65.74 1.79 0.00	80.36 2.19 0.00	89.31 3.10 0.00	108.24 3.86 0.00	143.88 4.86 -3.83	163.00 5.76 -5.50	132.43 5.10 -2.86	100.59 3.40 0.00	85.38 2.00 0.00	68.54 1.14 0.00	58.91 0.81 0.00
SHOEMAKER___GT 23640	43.90 1.19 0.00	38.41 1.08 0.00	35.07 1.09 0.00	31.28 1.06 0.00	32.44 1.07 0.00	35.51 1.23 0.00	36.20 1.56 0.00	39.46 1.81 0.00	42.99 1.97 0.00	45.04 2.14 0.00	48.78 2.15 0.00	53.40 2.35 0.00	58.27 2.56 0.00	66.83 2.88 0.00	81.85 3.68 0.00	90.61 4.39 0.00	112.84 7.41 -1.06	144.69 9.46 -0.04	162.60 10.32 -0.54	135.20 7.97 -2.77	107.07 5.34 -4.54	86.97 3.58 0.00	69.41 2.02 0.00	59.83 1.74 0.00
SHOEMAKR_138KV_BK 111 55601	43.90 1.20 0.00	38.41 1.08 0.00	35.07 1.09 0.00	31.28 1.06 0.00	32.44 1.07 0.00	35.51 1.23 0.00	36.19 1.56 0.00	39.46 1.81 0.00	43.03 2.01 0.00	45.09 2.19 0.00	48.87 2.24 0.00	53.45 2.40 0.00	58.38 2.67 0.00	66.89 2.94 0.00	81.93 3.75 0.00	90.61 4.40 0.00	112.83 7.41 -1.05	144.70 9.46 -0.04	162.59 10.32 -0.53	135.05 7.84 -2.75	106.94 5.25 -4.50	86.81 3.42 0.00	69.28 1.89 0.00	59.84 1.74 0.00
SHOREHAM_IC_1 23715	45.06 2.35 0.00	39.41 2.09 0.00	35.88 1.90 0.00	32.16 1.94 0.00	33.19 1.82 0.00	36.26 1.99 0.00	36.78 2.15 0.00	40.74 3.09 0.00	44.51 3.48 0.00	45.90 3.00 0.00	48.77 2.15 0.01	53.52 2.81 0.34	58.52 3.12 0.30	66.70 2.75 0.00	81.50 3.60 0.27	91.74 5.52 0.00	118.14 12.41 -1.35	187.56 15.94 -36.43	194.96 16.99 -26.23	140.34 12.82 -3.05	108.78 6.61 -4.97	86.50 4.17 1.06	62.58 2.22 7.03	52.76 1.51 6.84
SHOREHAM_IC_2 23716	45.23 2.52 0.00	39.42 2.09 0.00	35.88 1.90 0.00	32.16 1.93 0.00	33.29 1.91 0.00	36.30 2.02 0.00	36.78 2.15 0.00	40.74 3.09 0.00	44.51 3.49 0.00	45.99 3.09 0.00	48.95 2.33 0.01	53.73 3.01 0.34	58.64 3.23 0.30	67.21 3.26 0.00	81.89 3.99 0.27	91.82 5.60 0.00	118.04 12.32 -1.35	187.56 15.95 -36.42	194.96 16.99 -26.23	140.58 13.07 -3.05	108.49 6.32 -4.97	85.75 3.42 1.06	62.58 2.22 7.03	52.76 1.51 6.84
SISSONVILLE____ 23735	43.22 0.51 0.00	37.62 0.30 0.00	34.08 0.10 0.00	30.16 -0.06 0.00	31.12 -0.25 0.00	34.00 -0.27 0.00	34.08 -0.55 0.00	36.86 -0.79 0.00	39.95 -1.07 0.00	41.57 -1.33 0.00	45.09 -1.54 0.00	48.50 -2.55 0.00	52.98 -2.73 0.00	60.63 -3.33 0.00	74.11 -4.07 0.00	81.39 -4.83 0.00	90.70 -8.45 5.22	53.24 -10.14 71.81	37.50 -11.08 103.16	63.41 -7.47 53.58	92.43 -4.76 0.00	80.89 -2.50 0.00	66.45 -0.94 0.00	57.51 -0.58 0.00
SITHE_IND_GS1 24169	41.56 -1.15 0.00	36.32 -1.01 0.00	33.06 -0.92 0.00	29.44 -0.79 0.00	30.56 -0.82 0.00	33.39 -0.89 0.00	33.84 -0.80 0.00	36.75 -0.90 0.00	40.12 -0.90 0.00	42.00 -0.90 0.00	45.74 -0.89 0.00	50.19 -0.87 0.00	54.81 -0.89 0.00	62.93 -1.03 0.00	76.92 -1.25 0.00	85.09 -1.12 0.00	103.13 -1.25 0.00	133.43 -1.76 0.00	149.92 -1.81 0.00	123.10 -1.37 0.00	95.93 -1.27 0.00	81.80 -1.59 0.00	65.91 -1.48 0.00	56.76 -1.33 0.00
SITHE_IND_GS2 24170	41.56 -1.15 0.00	36.32 -1.01 0.00	33.06 -0.92 0.00	29.44 -0.79 0.00	30.56 -0.82 0.00	33.39 -0.89 0.00	33.84 -0.80 0.00	36.75 -0.90 0.00	40.12 -0.90 0.00	42.00 -0.90 0.00	45.74 -0.89 0.00	50.19 -0.87 0.00	54.81 -0.89 0.00	62.93 -1.03 0.00	76.92 -1.25 0.00	85.09 -1.12 0.00	103.13 -1.25 0.00	133.43 -1.76 0.00	149.92 -1.81 0.00	123.10 -1.37 0.00	95.93 -1.27 0.00	81.80 -1.59 0.00	65.91 -1.48 0.00	56.76 -1.33 0.00
SITHE_IND_GS3 24171	41.56 -1.15 0.00	36.32 -1.01 0.00	33.06 -0.92 0.00	29.44 -0.79 0.00	30.56 -0.82 0.00	33.39 -0.89 0.00	33.84 -0.80 0.00	36.75 -0.90 0.00	40.12 -0.90 0.00	42.00 -0.90 0.00	45.74 -0.89 0.00	50.19 -0.87 0.00	54.81 -0.89 0.00	62.93 -1.03 0.00	76.92 -1.25 0.00	85.09 -1.12 0.00	103.13 -1.25 0.00	133.43 -1.76 0.00	149.92 -1.81 0.00	123.10 -1.37 0.00	95.93 -1.27 0.00	81.80 -1.59 0.00	65.91 -1.48 0.00	56.76 -1.33 0.00
SITHE_IND_GS4 24172	41.56 -1.15 0.00	36.32 -1.01 0.00	33.06 -0.92 0.00	29.44 -0.79 0.00	30.56 -0.82 0.00	33.39 -0.89 0.00	33.84 -0.80 0.00	36.75 -0.90 0.00	40.12 -0.90 0.00	42.00 -0.90 0.00	45.74 -0.89 0.00	50.19 -0.87 0.00	54.81 -0.89 0.00	62.93 -1.03 0.00	76.92 -1.25 0.00	85.09 -1.12 0.00	103.13 -1.25 0.00	133.43 -1.76 0.00	149.92 -1.81 0.00	123.10 -1.37 0.00	95.93 -1.27 0.00	81.80 -1.59 0.00	65.91 -1.48 0.00	56.76 -1.33 0.00



SITHE___BATAVIA 24024	43.39 0.68 0.00	37.92 0.60 0.00	34.22 0.24 0.00	30.65 0.42 0.00	31.69 0.31 0.00	34.52 0.24 0.00	35.16 0.52 0.00	37.35 -0.30 0.00	41.27 0.25 0.00	43.20 0.30 0.00	47.75 1.12 0.00	52.79 1.74 0.00	58.10 2.39 0.00	66.70 2.75 0.00	81.14 2.97 0.00	91.21 5.00 0.00	108.44 4.07 0.00	139.11 3.92 0.00	156.90 5.16 0.00	129.19 4.73 0.00	100.01 2.82 0.00	83.97 0.59 0.00	67.80 0.41 0.00	58.39 0.29 0.00
SITHE___INDEPEND 23800	41.55 -1.15 0.00	36.32 -1.01 0.00	33.06 -0.92 0.00	29.44 -0.79 0.00	30.53 -0.85 0.00	33.35 -0.93 0.00	33.84 -0.80 0.00	36.75 -0.90 0.00	40.12 -0.90 0.00	42.00 -0.90 0.00	45.70 -0.93 0.00	50.14 -0.92 0.00	54.71 -1.00 0.00	62.93 -1.02 0.00	76.85 -1.33 0.00	85.09 -1.12 0.00	103.12 -1.25 0.00	133.43 -1.76 0.00	149.91 -1.82 0.00	123.09 -1.37 0.00	95.93 -1.26 0.00	81.72 -1.67 0.00	65.91 -1.48 0.00	56.76 -1.34 0.00
SITHE___MASSENA 23902	43.01 0.30 0.00	37.44 0.11 0.00	33.98 0.00 0.00	30.07 -0.15 0.00	31.19 -0.19 0.00	34.00 -0.28 0.00	34.15 -0.48 0.00	36.94 -0.72 0.00	40.08 -0.94 0.00	41.78 -1.12 0.00	45.47 -1.16 0.00	49.47 -1.58 0.00	54.26 -1.45 0.00	62.29 -1.66 0.00	76.14 -2.03 0.00	83.45 -2.76 0.00	92.44 -5.43 6.50	98.03 -7.04 30.13	100.56 -7.90 43.28	96.51 -5.47 22.48	93.99 -3.21 0.00	81.89 -1.50 0.00	67.13 -0.27 0.00	58.04 -0.06 0.00
SITHE___OGDNSBRG 24021	43.73 1.02 0.00	38.07 0.75 0.00	34.49 0.51 0.00	30.50 0.27 0.00	31.62 0.25 0.00	34.55 0.27 0.00	34.64 0.00 0.00	37.35 -0.30 0.00	40.37 -0.66 0.00	41.96 -0.94 0.00	45.56 -1.07 0.00	49.27 -1.79 0.00	53.98 -1.73 0.00	61.91 -2.05 0.00	75.83 -2.35 0.00	83.37 -2.85 0.00	92.60 -6.05 5.72	72.67 -6.89 55.62	64.85 -6.98 79.91	79.10 -3.86 41.50	95.54 -1.65 0.00	83.47 0.08 0.00	68.41 1.01 0.00	59.02 0.93 0.00
SITHE___STERLING 23777	43.99 1.28 0.00	38.44 1.12 0.00	34.93 0.95 0.00	31.04 0.82 0.00	32.28 0.91 0.00	35.41 1.13 0.00	35.95 1.32 0.00	39.08 1.43 0.00	42.58 1.56 0.00	44.40 1.50 0.00	48.26 1.63 0.00	52.94 1.89 0.00	57.82 2.12 0.00	66.64 2.69 0.00	81.61 3.44 0.00	90.52 4.31 0.00	109.59 4.38 -0.83	154.27 6.62 -12.45	177.36 7.73 -17.89	140.72 6.97 -9.29	102.34 5.15 0.00	87.39 4.00 0.00	69.96 2.56 0.00	60.07 1.98 0.00
SLEIGHT__34_KV_TB1 80719	42.71 0.00 0.00	37.25 -0.07 0.00	33.74 -0.24 0.00	30.07 -0.15 0.00	31.22 -0.16 0.00	34.07 -0.21 0.00	34.77 0.14 0.00	37.58 -0.08 0.00	41.27 0.25 0.00	43.24 0.34 0.00	47.24 0.61 0.00	52.28 1.23 0.00	56.93 1.23 0.00	65.93 1.98 0.00	80.52 2.35 0.00	89.75 3.53 0.00	108.76 4.38 0.00	140.33 5.14 0.00	157.81 6.07 0.00	129.57 5.10 0.00	100.60 3.40 0.00	84.89 1.50 0.00	68.34 0.94 0.00	58.73 0.64 0.00
SMITHTWN_69_KV_BK 1 55830	45.78 3.07 0.00	39.90 2.58 0.00	36.36 2.38 0.00	32.52 2.30 0.00	33.66 2.29 0.00	36.75 2.47 0.00	37.30 2.67 0.00	41.27 3.61 0.00	45.16 4.14 0.00	46.67 3.78 0.00	49.70 3.08 0.01	54.19 3.78 0.64	59.13 4.07 0.64	68.17 4.22 0.00	82.62 5.00 0.56	92.77 6.55 0.00	119.11 13.36 -1.38	263.53 17.17 -111.17	248.40 18.21 -78.45	141.49 13.94 -3.09	109.26 7.10 -4.97	85.45 4.09 2.03	63.44 3.03 6.98	53.41 2.15 6.83
SOUTH CAIRO___GT 23612	43.69 0.98 0.00	38.18 0.86 0.00	35.03 1.05 0.00	31.25 1.03 0.00	32.38 1.00 0.00	35.44 1.17 0.00	36.06 1.42 0.00	39.12 1.47 0.00	42.21 1.19 0.00	44.04 1.42 0.27	47.47 0.84 0.00	51.97 0.92 0.00	57.10 1.39 0.00	65.68 1.73 0.00	77.52 2.81 3.47	83.15 3.28 6.34	97.70 6.05 12.72	143.71 9.06 0.53	156.75 11.53 6.52	143.62 7.34 -11.81	121.88 5.35 -19.34	87.97 4.59 0.00	70.36 2.97 0.00	60.42 2.32 0.00
SOUTH HAMPTN___IC 23720	45.70 2.99 0.00	39.94 2.61 0.00	36.39 2.41 0.00	32.58 2.36 0.00	33.63 2.26 0.00	36.78 2.50 0.00	37.20 2.56 0.00	41.23 3.58 0.00	45.12 4.10 0.00	46.59 3.69 0.00	49.61 2.99 0.01	54.58 3.83 0.31	59.72 4.29 0.27	68.05 4.10 0.00	83.17 5.24 0.24	93.63 7.42 0.00	120.64 14.92 -1.35	184.13 19.33 -29.61	193.81 20.63 -21.44	143.20 15.68 -3.05	110.62 8.45 -4.97	88.10 5.67 0.96	63.71 3.37 7.05	53.79 2.55 6.85
SOUTHDOW_115KV_TB1 355954	42.62 -0.09 0.00	37.36 0.04 0.00	33.50 -0.48 0.00	30.01 -0.21 0.00	30.90 -0.47 0.00	33.80 -0.48 0.00	34.71 0.07 0.00	37.05 -0.60 0.00	41.27 0.25 0.00	43.46 0.56 0.00	47.52 0.89 0.00	52.84 1.79 0.00	58.05 2.34 0.00	67.66 3.71 0.00	82.24 4.07 0.00	92.68 6.47 0.00	112.51 8.14 0.00	142.35 7.17 0.00	160.08 8.35 0.00	131.81 7.34 0.00	101.76 4.57 0.00	84.64 1.25 0.00	68.27 0.88 0.00	58.56 0.46 0.00
SOUTHOLD_69_KV_BK 2 55809	46.47 3.76 0.00	40.42 3.10 0.00	36.80 2.82 0.00	32.97 2.75 0.00	34.10 2.73 0.00	37.19 2.91 0.00	37.51 2.87 0.00	41.53 3.88 0.00	45.49 4.47 0.00	47.10 4.20 0.00	50.40 3.78 0.01	55.50 4.75 0.31	60.61 5.18 0.27	69.39 5.44 0.00	84.58 6.64 0.24	95.09 8.88 0.00	122.52 16.80 -1.34	186.83 21.90 -29.74	196.94 23.67 -21.53	145.68 18.17 -3.05	111.69 9.52 -4.97	88.34 5.92 0.97	64.32 3.98 7.05	54.61 3.37 6.85
SOUTHOLD___IC 23719	46.30 3.59 0.00	40.42 3.10 0.00	36.80 2.82 0.00	32.97 2.75 0.00	34.01 2.64 0.00	37.19 2.91 0.00	37.48 2.84 0.00	41.53 3.88 0.00	45.49 4.47 0.00	47.02 4.12 0.00	50.21 3.59 0.01	55.29 4.54 0.31	60.50 5.07 0.28	68.81 4.86 0.00	84.19 6.26 0.24	94.92 8.70 0.00	122.63 16.91 -1.35	186.84 21.90 -29.75	196.94 23.66 -21.54	145.44 17.93 -3.05	111.98 9.81 -4.97	89.09 6.67 0.97	64.32 3.98 7.05	54.61 3.37 6.85
SOUTH_FORK_WT_PWR 323839	46.13 3.42 0.00	40.31 2.99 0.00	36.70 2.72 0.00	32.85 2.63 0.00	33.88 2.51 0.00	37.09 2.81 0.00	37.30 2.67 0.00	41.35 3.69 0.00	45.21 4.19 0.00	46.67 3.78 0.00	49.79 3.17 0.01	54.83 4.09 0.31	59.94 4.51 0.28	68.10 4.15 0.00	83.32 5.39 0.24	93.98 7.76 0.00	121.48 15.76 -1.35	185.28 20.42 -29.67	195.22 21.99 -21.49	144.07 16.56 -3.05	110.82 8.65 -4.97	88.17 5.75 0.96	63.58 3.23 7.05	54.20 2.96 6.85
SPIERFLS_115KV_TB 1 80737	44.37 1.67 0.00	38.86 1.53 0.00	35.47 1.50 0.00	31.55 1.33 0.00	32.78 1.41 0.00	35.89 1.61 0.00	36.44 1.80 0.00	39.69 2.03 0.00	42.99 1.97 0.00	44.79 1.89 0.00	48.35 1.73 0.00	52.94 1.89 0.00	57.99 2.28 0.00	66.45 2.49 0.00	81.46 3.28 0.00	90.18 3.97 0.00	115.86 6.26 -5.22	144.74 9.33 -0.22	166.80 12.44 -2.62	166.23 10.21 -31.56	156.74 7.87 -51.67	89.31 5.92 0.00	71.57 4.18 0.00	61.23 3.14 0.00
ST LAWRENCE____ 23600	42.54 -0.17 0.00	37.07 -0.26 0.00	33.64 -0.34 0.00	29.80 -0.42 0.00	30.93 -0.44 0.00	33.73 -0.55 0.00	33.84 -0.80 0.00	36.67 -0.98 0.00	39.83 -1.19 0.00	41.57 -1.33 0.00	45.18 -1.45 0.00	49.27 -1.79 0.00	54.09 -1.62 0.00	62.10 -1.86 0.00	75.83 -2.34 0.00	83.19 -3.02 0.00	92.52 -5.01 6.84	110.28 -6.35 18.56	117.95 -7.13 26.66	105.27 -5.35 13.85	93.60 -3.59 0.00	81.31 -2.08 0.00	66.45 -0.94 0.00	57.40 -0.69 0.00



STATE_CA_115KV_115_LB 55624	43.01 0.30 0.00	37.70 0.37 0.00	34.59 0.61 0.00	30.92 0.70 0.00	32.03 0.66 0.00	34.96 0.69 0.00	35.50 0.87 0.00	38.71 1.05 0.00	42.01 0.98 0.00	43.89 0.99 0.00	47.66 1.03 0.00	52.13 1.07 0.00	57.05 1.34 0.00	65.36 1.41 0.00	79.82 1.64 0.00	88.11 1.90 0.00	109.85 3.65 -1.83	140.27 5.00 -0.08	158.10 5.46 -0.90	149.54 3.98 -21.09	134.36 2.62 -34.54	85.14 1.75 0.00	68.27 0.88 0.00	58.79 0.70 0.00
STATE_ST_34_KV_LOAD 55959	43.09 0.38 0.00	37.62 0.30 0.00	34.18 0.20 0.00	30.44 0.21 0.00	31.59 0.22 0.00	34.55 0.27 0.00	35.19 0.55 0.00	38.18 0.53 0.00	41.76 0.74 0.00	43.72 0.82 0.00	47.61 0.98 0.00	52.43 1.38 0.00	57.16 1.45 0.00	65.93 1.98 0.00	80.60 2.42 0.00	89.49 3.28 0.00	108.76 4.38 0.00	144.84 5.68 -3.97	164.27 6.83 -5.71	133.28 5.85 -2.96	101.37 4.18 0.00	85.97 2.58 0.00	69.01 1.62 0.00	59.26 1.16 0.00
STATION_5_MISC_HYD 23604	42.92 0.21 0.00	37.44 0.11 0.00	33.91 -0.07 0.00	30.25 0.03 0.00	31.37 0.00 0.00	34.17 -0.10 0.00	34.85 0.21 0.00	37.58 -0.08 0.00	41.35 0.33 0.00	43.33 0.43 0.00	47.75 1.12 0.00	52.74 1.68 0.00	57.60 1.90 0.00	66.32 2.37 0.00	80.83 2.66 0.00	90.44 4.22 0.00	109.38 5.01 0.00	140.46 5.27 0.00	157.96 6.22 0.00	129.69 5.23 0.00	100.59 3.40 0.00	84.89 1.50 0.00	68.54 1.14 0.00	58.97 0.87 0.00
STA_168_34_KV_BK1_2_REV_LBMP_B 345032	42.88 0.17 0.00	37.40 0.07 0.00	33.88 -0.10 0.00	30.22 0.00 0.00	31.34 -0.03 0.00	34.21 -0.07 0.00	34.91 0.28 0.00	37.69 0.04 0.00	41.39 0.37 0.00	43.37 0.47 0.00	47.38 0.75 0.00	52.38 1.33 0.00	56.99 1.28 0.00	66.00 2.05 0.00	80.60 2.42 0.00	89.84 3.62 0.00	108.76 4.38 0.00	140.33 5.14 0.00	157.81 6.07 0.00	129.57 5.10 0.00	100.69 3.50 0.00	85.05 1.67 0.00	68.54 1.15 0.00	58.91 0.81 0.00
STA_56_34_KV_BUS2_REV_LBMP_B 345033	42.71 0.00 0.00	37.21 -0.11 0.00	33.71 -0.27 0.00	30.07 -0.15 0.00	31.15 -0.22 0.00	33.97 -0.31 0.00	34.64 0.00 0.00	37.43 -0.23 0.00	41.14 0.12 0.00	43.11 0.21 0.00	47.24 0.61 0.00	52.33 1.28 0.00	56.88 1.17 0.00	66.00 2.05 0.00	80.52 2.35 0.00	89.84 3.62 0.00	108.86 4.49 0.00	139.92 4.73 0.00	157.35 5.61 0.00	129.07 4.61 0.00	100.21 3.01 0.00	84.39 1.00 0.00	68.14 0.74 0.00	58.67 0.58 0.00
STA_56___34_KV_BUS2 355983	42.71 0.00 0.00	37.21 -0.11 0.00	33.71 -0.27 0.00	30.07 -0.15 0.00	31.15 -0.22 0.00	33.97 -0.31 0.00	34.64 0.00 0.00	37.43 -0.23 0.00	41.14 0.12 0.00	43.11 0.21 0.00	47.24 0.61 0.00	52.33 1.28 0.00	56.88 1.17 0.00	66.00 2.05 0.00	80.52 2.35 0.00	89.84 3.62 0.00	108.86 4.49 0.00	139.92 4.73 0.00	157.35 5.61 0.00	129.07 4.61 0.00	100.21 3.01 0.00	84.39 1.00 0.00	68.14 0.74 0.00	58.67 0.58 0.00
STA_67___115KV_BK2 355882	42.79 0.09 0.00	37.36 0.04 0.00	33.81 -0.17 0.00	30.19 -0.03 0.00	31.25 -0.13 0.00	34.07 -0.21 0.00	34.74 0.10 0.00	37.50 -0.15 0.00	41.23 0.21 0.00	43.20 0.30 0.00	47.28 0.65 0.00	52.38 1.33 0.00	56.88 1.17 0.00	66.00 2.05 0.00	80.44 2.27 0.00	89.84 3.62 0.00	108.86 4.49 0.00	139.79 4.60 0.00	157.20 5.46 0.00	128.94 4.48 0.00	100.21 3.01 0.00	84.30 0.92 0.00	68.20 0.81 0.00	58.73 0.64 0.00
STA_7___115KV_9TRANS 80674	43.22 0.51 0.00	37.66 0.34 0.00	34.08 0.10 0.00	30.41 0.18 0.00	31.50 0.13 0.00	34.35 0.07 0.00	35.02 0.38 0.00	37.80 0.15 0.00	41.64 0.62 0.00	43.63 0.73 0.00	47.80 1.17 0.00	53.05 1.99 0.00	57.66 1.95 0.00	66.96 3.01 0.00	81.54 3.36 0.00	91.13 4.91 0.00	110.43 6.05 0.00	141.81 6.62 0.00	159.47 7.74 0.00	130.81 6.35 0.00	101.57 4.37 0.00	85.47 2.08 0.00	69.08 1.68 0.00	59.43 1.34 0.00
STA_82___115KV_TB1 80780	42.84 0.13 0.00	37.36 0.04 0.00	33.84 -0.14 0.00	30.19 -0.03 0.00	31.28 -0.09 0.00	34.11 -0.17 0.00	34.77 0.14 0.00	37.54 -0.11 0.00	41.27 0.25 0.00	43.24 0.34 0.00	47.33 0.70 0.00	52.48 1.43 0.00	56.93 1.23 0.00	66.06 2.11 0.00	80.52 2.35 0.00	89.92 3.71 0.00	108.97 4.59 0.00	139.92 4.73 0.00	157.35 5.61 0.00	129.19 4.73 0.00	100.30 3.11 0.00	84.39 1.00 0.00	68.27 0.88 0.00	58.79 0.70 0.00
STEEL___WIND 323596	41.85 -0.85 0.00	36.92 -0.41 0.00	33.26 -0.72 0.00	29.83 -0.39 0.00	30.75 -0.63 0.00	33.49 -0.79 0.00	34.19 -0.45 0.00	36.15 -1.51 0.00	40.08 -0.94 0.00	42.00 -0.90 0.00	46.25 -0.37 0.00	51.46 0.41 0.00	56.76 1.06 0.00	65.04 1.09 0.00	79.12 0.94 0.00	89.15 2.93 0.00	107.81 3.44 0.00	137.63 2.44 0.00	154.77 3.03 0.00	127.20 2.73 0.00	98.36 1.17 0.00	82.47 -0.92 0.00	66.65 -0.74 0.00	57.63 -0.47 0.00
STEPHTWN_115KV_BK_2 55603	43.13 0.43 0.00	37.81 0.49 0.00	34.69 0.71 0.00	30.98 0.76 0.00	32.09 0.72 0.00	35.07 0.79 0.00	35.64 1.00 0.00	38.86 1.20 0.00	42.17 1.15 0.00	44.02 1.12 0.00	47.75 1.12 0.00	52.23 1.17 0.00	57.16 1.45 0.00	65.55 1.60 0.00	80.05 1.88 0.00	88.37 2.16 0.00	84.68 4.07 23.77	139.87 5.68 1.00	145.80 6.22 12.16	145.76 4.48 -16.81	127.84 3.11 -27.53	85.47 2.08 0.00	68.54 1.15 0.00	59.08 0.99 0.00
STEUBEN_REC_LFGE 323667	42.92 0.21 0.00	37.59 0.26 0.00	33.88 -0.10 0.00	30.22 0.00 0.00	31.28 -0.09 0.00	34.17 -0.10 0.00	35.02 0.38 0.00	37.31 -0.34 0.00	41.10 0.08 0.00	43.03 0.13 0.00	46.77 0.14 0.00	51.92 0.87 0.00	56.66 0.95 0.00	65.74 1.79 0.00	80.13 1.95 0.00	89.75 3.53 0.00	109.07 4.70 0.00	140.73 5.54 0.00	158.87 7.13 0.00	132.29 6.97 -0.86	103.36 4.76 -1.41	85.39 2.00 0.00	68.68 1.28 0.00	59.02 0.93 0.00
STILLWATER___SOLAR 323814	44.42 1.71 0.00	38.86 1.53 0.00	35.54 1.56 0.00	31.64 1.42 0.00	32.85 1.47 0.00	35.92 1.65 0.00	36.47 1.83 0.00	39.69 2.03 0.00	42.99 1.97 0.00	44.83 1.93 0.00	48.59 1.96 0.00	53.20 2.14 0.00	58.22 2.51 0.00	66.83 2.88 0.00	81.77 3.60 0.00	90.52 4.31 0.00	117.10 6.58 -6.15	144.64 9.20 -0.26	165.95 11.07 -3.14	163.82 9.08 -30.28	153.58 6.80 -49.58	88.56 5.17 0.00	71.10 3.70 0.00	61.00 2.90 0.00
STONY___BROOK 24151	45.61 2.91 0.00	39.86 2.54 0.00	36.32 2.34 0.00	32.49 2.27 0.00	33.57 2.20 0.00	36.71 2.43 0.00	37.27 2.63 0.00	41.23 3.58 0.00	45.08 4.06 0.00	46.50 3.60 0.00	49.42 2.80 0.01	54.00 3.42 0.47	59.05 3.79 0.45	67.15 3.20 0.00	81.92 4.14 0.39	92.16 5.94 0.00	118.46 12.73 -1.36	220.19 16.35 -68.65	217.90 17.29 -48.87	140.47 12.94 -3.07	109.07 6.90 -4.97	86.32 4.42 1.48	63.22 2.83 7.00	53.30 2.03 6.83
STURGEON_POOL_HYD 23609	44.16 1.45 0.00	38.59 1.27 0.00	35.27 1.29 0.00	31.46 1.24 0.00	32.63 1.25 0.00	35.68 1.41 0.00	36.40 1.77 0.00	39.76 2.11 0.00	43.36 2.34 0.00	45.59 2.75 0.06	49.29 2.66 0.00	53.91 2.86 0.00	58.88 3.18 0.00	67.53 3.58 0.00	82.25 4.85 0.77	90.33 5.52 1.40	111.62 9.18 1.93	146.87 11.76 0.08	163.49 12.75 0.99	138.03 8.84 -4.73	110.68 5.73 -7.75	87.47 4.09 0.00	69.69 2.29 0.00	60.13 2.03 0.00



ST_LAW_115_BK7_LBMP 345037	42.54 -0.17 0.00	37.07 -0.26 0.00	33.64 -0.34 0.00	29.77 -0.45 0.00	30.90 -0.47 0.00	33.73 -0.55 0.00	33.80 -0.83 0.00	36.64 -1.01 0.00	39.79 -1.23 0.00	41.49 -1.41 0.00	45.09 -1.54 0.00	49.17 -1.89 0.00	53.92 -1.78 0.00	61.97 -1.98 0.00	75.67 -2.50 0.00	83.03 -3.19 0.00	92.18 -5.43 6.76	106.79 -6.89 21.51	113.26 -7.58 30.90	102.69 -5.72 16.05	93.30 -3.89 0.00	81.22 -2.17 0.00	66.39 -1.01 0.00	57.40 -0.69 0.00
ST_LAW_115_BK8_LBMP 345038	42.54 -0.17 0.00	37.07 -0.26 0.00	33.64 -0.34 0.00	29.77 -0.45 0.00	30.90 -0.47 0.00	33.73 -0.55 0.00	33.80 -0.83 0.00	36.64 -1.01 0.00	39.79 -1.23 0.00	41.49 -1.41 0.00	45.09 -1.54 0.00	49.17 -1.89 0.00	53.92 -1.78 0.00	61.97 -1.98 0.00	75.67 -2.50 0.00	83.03 -3.19 0.00	92.18 -5.43 6.76	106.79 -6.89 21.51	113.26 -7.58 30.90	102.69 -5.72 16.05	93.30 -3.89 0.00	81.22 -2.17 0.00	66.39 -1.01 0.00	57.40 -0.69 0.00
ST_LAW_230_BK5_LBMP 345035	42.54 -0.17 0.00	37.07 -0.26 0.00	33.64 -0.34 0.00	29.80 -0.42 0.00	30.93 -0.44 0.00	33.73 -0.55 0.00	33.84 -0.80 0.00	36.67 -0.98 0.00	39.83 -1.19 0.00	41.57 -1.33 0.00	45.18 -1.45 0.00	49.27 -1.79 0.00	54.09 -1.62 0.00	62.10 -1.86 0.00	75.83 -2.34 0.00	83.19 -3.02 0.00	92.45 -5.01 6.92	112.50 -6.35 16.34	121.14 -7.13 23.47	106.93 -5.35 12.19	93.60 -3.59 0.00	81.31 -2.08 0.00	66.45 -0.94 0.00	57.40 -0.69 0.00
ST_LAW_230_BK6_LBMP 345036	42.54 -0.17 0.00	37.07 -0.26 0.00	33.64 -0.34 0.00	29.80 -0.42 0.00	30.93 -0.44 0.00	33.73 -0.55 0.00	33.84 -0.80 0.00	36.67 -0.98 0.00	39.83 -1.19 0.00	41.57 -1.33 0.00	45.18 -1.45 0.00	49.27 -1.79 0.00	54.09 -1.62 0.00	62.10 -1.86 0.00	75.83 -2.34 0.00	83.19 -3.02 0.00	92.45 -5.01 6.92	112.50 -6.35 16.34	121.14 -7.13 23.47	106.93 -5.35 12.19	93.60 -3.59 0.00	81.31 -2.08 0.00	66.45 -0.94 0.00	57.40 -0.69 0.00
SUGRLOAF_69_KV_LOAD_REV_LBMP_G 345026	44.07 1.37 0.00	38.59 1.27 0.00	35.24 1.26 0.00	31.43 1.21 0.00	32.60 1.22 0.00	35.68 1.41 0.00	36.37 1.73 0.00	39.72 2.07 0.00	43.32 2.30 0.00	45.43 2.53 0.00	49.24 2.61 0.00	53.86 2.81 0.00	58.83 3.12 0.00	67.34 3.39 0.00	82.47 4.30 0.00	91.30 5.09 0.00	114.04 8.56 -1.11	146.05 10.82 -0.05	163.98 11.68 -0.56	136.14 8.84 -2.84	107.57 5.73 -4.64	87.22 3.84 0.00	69.48 2.09 0.00	60.01 1.92 0.00
SWANROAD_115KV_TB1 355699	41.34 -1.37 0.00	36.58 -0.75 0.00	32.99 -0.99 0.00	29.62 -0.60 0.00	30.49 -0.88 0.00	33.21 -1.06 0.00	33.56 -1.07 0.00	35.24 -2.41 0.00	39.09 -1.93 0.00	40.93 -1.97 0.00	44.62 -2.01 0.00	49.78 -1.28 0.00	54.32 -1.39 0.00	62.99 -0.96 0.00	76.53 -1.64 0.00	85.96 -0.26 0.00	103.96 -0.42 0.00	132.35 -2.84 0.00	148.85 -2.88 0.00	122.22 -2.24 0.00	94.76 -2.43 0.00	79.22 -4.17 0.00	64.43 -2.97 0.00	55.94 -2.15 0.00
SYNERGY___BIOGAS 323694	43.39 0.68 0.00	37.92 0.60 0.00	34.22 0.24 0.00	30.65 0.42 0.00	31.66 0.28 0.00	34.48 0.21 0.00	35.12 0.48 0.00	37.35 -0.30 0.00	41.27 0.25 0.00	43.20 0.30 0.00	47.28 0.65 0.00	52.64 1.58 0.00	57.32 1.62 0.00	66.64 2.69 0.00	81.15 2.97 0.00	89.40 3.19 0.00	108.34 3.97 0.00	138.97 3.79 0.00	156.89 5.16 0.00	129.07 4.61 0.00	100.01 2.82 0.00	83.64 0.25 0.00	67.73 0.34 0.00	58.33 0.23 0.00
SYRACUSE___ENERGY_ST1 323597	42.75 0.04 0.00	37.36 0.04 0.00	33.94 -0.03 0.00	30.22 0.00 0.00	31.37 0.00 0.00	34.31 0.03 0.00	34.88 0.24 0.00	37.88 0.23 0.00	41.43 0.41 0.00	43.37 0.47 0.00	47.19 0.56 0.00	51.87 0.82 0.00	56.60 0.89 0.00	65.23 1.28 0.00	79.74 1.56 0.00	88.37 2.16 0.00	107.30 2.92 0.00	143.86 3.79 -4.89	163.15 4.40 -7.02	131.84 3.73 -3.64	99.72 2.53 0.00	84.72 1.33 0.00	68.07 0.67 0.00	58.62 0.52 0.00
SYRACUSE___ENERGY_ST2 323598	42.75 0.04 0.00	37.36 0.04 0.00	33.94 -0.03 0.00	30.22 0.00 0.00	31.37 0.00 0.00	34.31 0.03 0.00	34.88 0.24 0.00	37.88 0.23 0.00	41.43 0.41 0.00	43.37 0.47 0.00	47.19 0.56 0.00	51.87 0.82 0.00	56.60 0.89 0.00	65.23 1.28 0.00	79.74 1.56 0.00	88.37 2.16 0.00	107.30 2.92 0.00	143.86 3.79 -4.89	163.15 4.40 -7.02	131.84 3.73 -3.64	99.72 2.53 0.00	84.72 1.33 0.00	68.07 0.67 0.00	58.62 0.52 0.00
SYRACUSE___POWER 24017	42.62 -0.09 0.00	37.29 -0.04 0.00	33.88 -0.10 0.00	30.16 -0.06 0.00	31.31 -0.06 0.00	34.21 -0.07 0.00	34.81 0.17 0.00	37.80 0.15 0.00	41.35 0.33 0.00	43.29 0.39 0.00	47.10 0.47 0.00	51.77 0.71 0.00	56.49 0.78 0.00	65.10 1.15 0.00	79.58 1.41 0.00	88.20 1.98 0.00	107.09 2.71 0.00	143.75 3.51 -5.04	163.08 4.10 -7.25	131.71 3.48 -3.76	99.53 2.33 0.00	84.55 1.17 0.00	67.93 0.54 0.00	58.44 0.35 0.00
TALLMAN_138KV_BK151 55660	44.33 1.62 0.00	38.82 1.49 0.00	35.44 1.46 0.00	31.64 1.42 0.00	32.82 1.44 0.00	35.89 1.61 0.00	36.65 2.01 0.00	40.06 2.41 0.00	43.73 2.71 0.00	45.86 2.96 0.00	49.66 3.03 0.00	54.32 3.27 0.00	59.33 3.62 0.00	67.85 3.90 0.00	83.10 4.92 0.00	91.99 5.78 0.00	115.28 9.71 -1.20	147.54 12.30 -0.05	165.40 13.05 -0.61	137.21 9.83 -2.92	108.39 6.41 -4.78	87.56 4.17 0.00	69.69 2.29 0.00	60.19 2.09 0.00
TEALLAVE_115KV_TB7 355573	42.49 -0.21 0.00	37.18 -0.15 0.00	33.77 -0.20 0.00	30.07 -0.15 0.00	31.25 -0.13 0.00	34.14 -0.14 0.00	34.71 0.07 0.00	37.69 0.04 0.00	41.23 0.21 0.00	43.20 0.30 0.00	47.00 0.37 0.00	51.67 0.61 0.00	56.38 0.67 0.00	64.98 1.02 0.00	79.43 1.25 0.00	87.94 1.72 0.00	106.77 2.40 0.00	144.31 3.11 -6.01	163.87 3.49 -8.64	131.81 2.86 -4.49	99.14 1.94 0.00	84.22 0.83 0.00	67.66 0.27 0.00	58.27 0.17 0.00
TELGRAPH_34_KV_EAST 80808	42.28 -0.43 0.00	37.21 -0.11 0.00	33.57 -0.41 0.00	30.10 -0.12 0.00	31.03 -0.35 0.00	33.80 -0.48 0.00	34.32 -0.31 0.00	36.34 -1.32 0.00	40.20 -0.82 0.00	42.13 -0.77 0.00	46.02 -0.61 0.00	51.21 0.15 0.00	55.88 0.17 0.00	64.78 0.83 0.00	78.80 0.63 0.00	88.20 1.98 0.00	106.67 2.30 0.00	136.41 1.22 0.00	153.40 1.67 0.00	126.08 1.62 0.00	97.68 0.49 0.00	81.72 -1.67 0.00	66.38 -1.01 0.00	57.40 -0.70 0.00
TEMPLE___115KV_TB 2 55572	42.54 -0.17 0.00	37.18 -0.15 0.00	33.81 -0.17 0.00	30.10 -0.12 0.00	31.25 -0.13 0.00	34.14 -0.14 0.00	34.74 0.10 0.00	37.73 0.08 0.00	41.27 0.25 0.00	43.20 0.30 0.00	47.05 0.42 0.00	51.72 0.66 0.00	56.43 0.72 0.00	65.04 1.09 0.00	79.50 1.33 0.00	88.03 1.81 0.00	106.88 2.50 0.00	144.29 3.24 -5.86	163.79 3.64 -8.41	131.94 3.11 -4.37	99.23 2.04 0.00	84.30 0.92 0.00	67.73 0.34 0.00	58.27 0.17 0.00
TIANA___69_KV_BK 1 55817	45.78 3.07 0.00	39.86 2.54 0.00	36.29 2.31 0.00	32.52 2.30 0.00	33.66 2.29 0.00	36.71 2.43 0.00	37.16 2.53 0.00	41.16 3.50 0.00	45.04 4.02 0.00	46.59 3.69 0.00	49.70 3.08 0.01	54.63 3.88 0.31	59.67 4.23 0.27	68.36 4.41 0.00	83.33 5.39 0.24	93.46 7.24 0.00	120.23 14.51 -1.34	183.70 18.79 -29.72	193.43 20.18 -21.52	142.95 15.43 -3.05	110.14 7.97 -4.97	87.09 4.67 0.96	63.51 3.17 7.05	53.62 2.38 6.85



TILDEN___115KV_TB1 80814	42.62 -0.09 0.00	37.29 -0.04 0.00	33.88 -0.10 0.00	30.16 -0.06 0.00	31.31 -0.06 0.00	34.21 -0.07 0.00	34.81 0.17 0.00	37.80 0.15 0.00	41.35 0.33 0.00	43.29 0.39 0.00	47.10 0.47 0.00	51.77 0.71 0.00	56.49 0.78 0.00	65.10 1.15 0.00	79.58 1.41 0.00	88.20 1.98 0.00	107.09 2.71 0.00	143.75 3.51 -5.04	163.08 4.10 -7.25	131.71 3.48 -3.76	99.53 2.33 0.00	84.55 1.17 0.00	67.93 0.54 0.00	58.44 0.35 0.00
TRIGEN___CC 323695	45.27 2.56 0.00	39.49 2.16 0.00	36.05 2.07 0.00	32.19 1.96 0.00	33.35 1.98 0.00	36.47 2.19 0.00	37.10 2.46 0.00	40.89 3.24 0.00	44.71 3.69 0.00	46.55 3.65 0.00	49.89 3.26 0.00	54.73 3.68 0.00	59.72 4.01 0.00	68.17 4.22 0.00	83.51 5.32 -0.02	92.68 6.47 0.00	117.71 12.00 -1.33	150.39 15.14 -0.06	168.50 16.08 -0.68	139.82 12.32 -3.04	108.97 6.80 -4.98	87.66 4.25 -0.02	71.74 3.10 -1.24	61.56 2.27 -1.20
TRINITY___115KV___4 BK 55933	42.84 0.13 0.00	37.55 0.22 0.00	34.49 0.51 0.00	30.80 0.57 0.00	31.91 0.53 0.00	34.83 0.55 0.00	35.40 0.76 0.00	38.56 0.90 0.00	41.88 0.86 0.00	43.72 0.82 0.00	47.42 0.79 0.00	51.87 0.82 0.00	56.71 1.00 0.00	65.04 1.09 0.00	79.35 1.17 0.00	87.59 1.38 0.00	102.26 3.03 5.14	139.03 4.06 0.22	153.49 4.40 2.65	145.03 3.11 -17.46	127.73 1.94 -28.59	84.64 1.25 0.00	67.87 0.47 0.00	58.50 0.41 0.00
UNION___PROCESSING_DRP 323587	42.84 0.13 0.00	37.36 0.04 0.00	33.84 -0.14 0.00	30.19 -0.03 0.00	31.28 -0.09 0.00	34.11 -0.17 0.00	34.77 0.14 0.00	37.54 -0.11 0.00	41.31 0.29 0.00	43.29 0.39 0.00	47.33 0.70 0.00	52.48 1.43 0.00	56.99 1.28 0.00	66.13 2.17 0.00	80.52 2.35 0.00	89.92 3.71 0.00	108.97 4.59 0.00	139.92 4.73 0.00	157.50 5.77 0.00	129.19 4.73 0.00	100.30 3.11 0.00	84.47 1.08 0.00	68.27 0.88 0.00	58.79 0.70 0.00
UPPER HUDSON___HYD 24058	44.37 1.66 0.00	38.86 1.53 0.00	35.47 1.49 0.00	31.55 1.33 0.00	32.79 1.41 0.00	35.89 1.61 0.00	36.44 1.80 0.00	39.69 2.03 0.00	42.99 1.97 0.00	44.79 1.89 0.00	48.31 1.68 0.00	52.94 1.89 0.00	57.99 2.28 0.00	66.44 2.49 0.00	81.46 3.28 0.00	90.27 4.05 0.00	115.87 6.37 -5.13	144.73 9.32 -0.22	166.80 12.44 -2.62	166.23 10.21 -31.56	156.74 7.87 -51.67	89.31 5.92 0.00	71.57 4.18 0.00	61.23 3.13 0.00
UPPER RAQUET___HYD 24056	43.22 0.51 0.00	37.62 0.30 0.00	34.08 0.10 0.00	30.16 -0.06 0.00	31.12 -0.25 0.00	34.00 -0.28 0.00	34.08 -0.56 0.00	36.86 -0.79 0.00	39.95 -1.07 0.00	41.57 -1.33 0.00	45.04 -1.59 0.00	48.50 -2.55 0.00	52.87 -2.84 0.00	60.62 -3.33 0.00	74.11 -4.07 0.00	81.30 -4.91 0.00	91.01 -8.14 5.22	53.23 -10.14 71.81	37.50 -11.07 103.16	63.28 -7.60 53.58	92.34 -4.86 0.00	80.80 -2.59 0.00	66.39 -1.01 0.00	57.51 -0.58 0.00
VALLEY44_115KV_TB2 355964	41.60 -1.11 0.00	36.62 -0.71 0.00	32.99 -0.99 0.00	29.56 -0.66 0.00	30.46 -0.91 0.00	33.25 -1.03 0.00	33.98 -0.66 0.00	35.96 -1.69 0.00	39.83 -1.19 0.00	41.74 -1.16 0.00	45.56 -1.07 0.00	50.59 -0.46 0.00	55.54 -0.17 0.00	64.53 0.58 0.00	78.49 0.31 0.00	88.28 2.07 0.00	107.30 2.92 0.00	137.08 1.89 0.00	154.01 2.28 0.00	126.58 2.12 0.00	97.97 0.78 0.00	81.89 -1.50 0.00	66.18 -1.21 0.00	57.34 -0.76 0.00
VALLEY___115KV_TB 1-4 80826	42.11 -0.60 0.00	36.77 -0.56 0.00	33.50 -0.48 0.00	29.80 -0.42 0.00	30.96 -0.41 0.00	33.90 -0.38 0.00	34.32 -0.31 0.00	37.39 -0.26 0.00	40.73 -0.29 0.00	42.64 -0.26 0.00	46.35 -0.28 0.00	50.75 -0.31 0.00	55.37 -0.33 0.00	63.63 -0.32 0.00	77.78 -0.39 0.00	85.96 -0.26 0.00	105.89 -0.31 -1.83	139.56 0.00 -4.37	158.17 0.15 -6.28	127.73 0.00 -3.26	97.00 -0.19 0.00	83.14 -0.25 0.00	66.86 -0.54 0.00	57.51 -0.58 0.00
VINEGAR_115_KV_917_CH_LD_REV_LBMP_E 345011	44.29 1.58 0.00	38.74 1.42 0.00	35.34 1.36 0.00	31.46 1.24 0.00	32.69 1.32 0.00	35.82 1.54 0.00	36.40 1.77 0.00	39.57 1.92 0.00	43.11 2.09 0.00	45.13 2.23 0.00	48.91 2.28 0.00	53.66 2.60 0.00	58.61 2.90 0.00	67.53 3.58 0.00	82.94 4.77 0.00	91.82 5.60 0.00	111.99 7.62 0.00	145.60 10.41 0.00	163.42 11.68 0.00	138.27 9.46 -4.35	111.21 6.90 -7.12	88.64 5.25 0.00	70.83 3.44 0.00	60.94 2.85 0.00
VISCHER___FERRY HYD 24020	43.90 1.19 0.00	38.41 1.08 0.00	35.20 1.22 0.00	31.40 1.18 0.00	32.56 1.19 0.00	35.58 1.30 0.00	36.16 1.52 0.00	39.39 1.73 0.00	42.70 1.68 0.00	44.62 1.72 0.00	48.40 1.77 0.00	52.99 1.94 0.00	57.94 2.23 0.00	66.44 2.49 0.00	81.22 3.05 0.00	89.75 3.54 0.00	119.49 5.63 -9.49	143.15 7.57 -0.40	165.22 8.64 -4.84	157.05 6.72 -25.87	144.42 4.86 -42.36	86.97 3.58 0.00	69.82 2.42 0.00	60.01 1.91 0.00
V_A_10_SYNC_DSASP 323832	41.43 -1.28 0.00	36.54 -0.78 0.00	32.99 -0.99 0.00	29.56 -0.66 0.00	30.46 -0.91 0.00	33.21 -1.06 0.00	33.84 -0.80 0.00	35.96 -1.69 0.00	39.79 -1.23 0.00	41.66 -1.24 0.00	45.42 -1.21 0.00	50.59 -0.46 0.00	55.32 -0.39 0.00	64.14 0.19 0.00	78.10 -0.08 0.00	87.51 1.29 0.00	105.83 1.46 0.00	135.05 -0.14 0.00	151.89 0.15 0.00	124.71 0.25 0.00	96.90 -0.29 0.00	81.30 -2.08 0.00	65.91 -1.48 0.00	57.11 -0.99 0.00
V_CMM_10_SYNC_DSASP 323787	42.75 0.04 0.00	37.25 -0.07 0.00	33.78 -0.20 0.00	29.92 -0.30 0.00	31.06 -0.31 0.00	33.87 -0.41 0.00	33.98 -0.66 0.00	36.79 -0.86 0.00	39.95 -1.07 0.00	41.65 -1.25 0.00	45.37 -1.26 0.00	49.42 -1.64 0.00	54.26 -1.45 0.00	62.29 -1.66 0.00	76.14 -2.03 0.00	83.45 -2.76 0.00	92.71 -4.90 6.76	107.33 -6.35 21.51	113.86 -6.98 30.90	103.31 -5.11 16.05	93.79 -3.40 0.00	81.63 -1.76 0.00	66.79 -0.61 0.00	57.69 -0.40 0.00
V_CMP_10_SYNC_DSASP 323788	43.52 0.81 0.00	37.77 0.45 0.00	34.22 0.24 0.00	30.25 0.03 0.00	31.37 0.00 0.00	34.17 -0.10 0.00	34.36 -0.28 0.00	37.16 -0.49 0.00	40.36 -0.66 0.00	41.61 -1.29 0.00	45.32 -1.31 0.00	49.27 -1.79 0.00	53.37 -2.34 0.00	61.20 -2.75 0.00	74.66 -3.52 0.00	81.73 -4.49 0.00	90.91 -6.68 6.78	105.95 -8.51 20.72	112.86 -9.10 29.77	102.15 -6.85 15.46	92.24 -4.95 0.00	80.05 -3.34 0.00	65.17 -2.22 0.00	56.23 -1.86 0.00
V_D_10_SYNC_DSASP 323841	43.01 0.30 0.00	37.44 0.11 0.00	33.98 0.00 0.00	30.07 -0.15 0.00	31.19 -0.19 0.00	34.00 -0.28 0.00	34.15 -0.48 0.00	36.94 -0.72 0.00	40.08 -0.94 0.00	41.78 -1.12 0.00	45.47 -1.16 0.00	49.47 -1.58 0.00	54.26 -1.45 0.00	62.29 -1.66 0.00	76.14 -2.03 0.00	83.54 -2.67 0.00	92.43 -5.43 6.52	98.78 -6.89 29.52	101.59 -7.73 42.41	97.09 -5.35 22.03	93.99 -3.21 0.00	81.97 -1.42 0.00	67.13 -0.27 0.00	58.04 -0.06 0.00
V_E_10_SYNC_DSASP 323830	45.36 2.65 0.00	39.64 2.31 0.00	35.88 1.90 0.00	31.95 1.72 0.00	33.29 1.91 0.00	36.68 2.40 0.00	37.48 2.84 0.00	40.55 2.90 0.00	44.26 3.24 0.00	46.03 3.13 0.00	49.84 3.21 0.00	54.99 3.93 0.00	60.22 4.51 0.00	69.90 5.95 0.00	85.76 7.58 0.00	95.95 9.74 0.00	116.79 12.41 0.00	153.57 18.38 0.00	173.73 21.99 0.00	145.39 18.91 -2.02	114.59 14.09 -3.30	94.06 10.68 0.00	74.61 7.21 0.00	63.79 5.70 0.00



V_F_30_NSYNC___DSASP 323816	44.50 1.79 0.00	38.93 1.60 0.00	35.58 1.60 0.00	31.67 1.45 0.00	32.88 1.51 0.00	35.96 1.68 0.00	36.51 1.87 0.00	39.72 2.07 0.00	43.07 2.05 0.00	44.92 2.02 0.00	48.73 2.10 0.00	53.35 2.30 0.00	58.38 2.67 0.00	66.96 3.01 0.00	82.00 3.83 0.00	90.70 4.48 0.00	116.85 6.78 -5.69	144.89 9.46 -0.24	166.03 11.39 -2.91	164.65 9.34 -30.85	154.72 7.00 -50.52	88.73 5.34 0.00	71.23 3.84 0.00	61.05 2.96 0.00
V_F_30_SYNC_DSASP 323786	43.01 0.30 0.00	37.70 0.37 0.00	34.59 0.61 0.00	30.92 0.70 0.00	32.03 0.66 0.00	34.96 0.69 0.00	35.50 0.87 0.00	38.71 1.05 0.00	42.01 0.98 0.00	43.89 0.99 0.00	47.66 1.03 0.00	52.13 1.07 0.00	56.99 1.28 0.00	65.36 1.41 0.00	79.82 1.64 0.00	88.11 1.90 0.00	109.27 3.65 -1.25	140.24 5.00 -0.05	157.80 5.46 -0.61	149.24 3.98 -20.80	133.87 2.62 -34.05	85.14 1.75 0.00	68.27 0.88 0.00	58.79 0.70 0.00
V_XM_10_SYNC_DSASP 323789	43.52 0.81 0.00	37.77 0.45 0.00	34.22 0.24 0.00	30.25 0.03 0.00	31.37 0.00 0.00	34.17 -0.10 0.00	34.36 -0.28 0.00	37.16 -0.49 0.00	40.36 -0.66 0.00	41.61 -1.29 0.00	45.32 -1.31 0.00	49.27 -1.79 0.00	53.37 -2.34 0.00	61.20 -2.75 0.00	74.66 -3.52 0.00	81.73 -4.49 0.00	90.91 -6.68 6.78	105.95 -8.51 20.72	112.86 -9.10 29.77	102.15 -6.85 15.46	92.24 -4.95 0.00	80.05 -3.34 0.00	65.17 -2.22 0.00	56.23 -1.86 0.00
W.BABYLN_69_KV_BK1 56697	46.12 3.42 0.00	40.20 2.87 0.00	36.63 2.65 0.00	32.73 2.51 0.00	33.91 2.54 0.00	37.02 2.74 0.00	37.62 2.98 0.00	41.57 3.92 0.00	45.49 4.47 0.00	47.10 4.20 0.01	50.26 3.64 0.18	55.12 4.24 0.10	60.29 4.68 0.10	68.81 4.86 0.00	83.95 5.86 0.09	93.54 7.33 0.00	119.69 13.99 -1.33	153.22 17.98 -0.06	171.68 19.27 -0.68	142.44 14.94 -3.04	110.24 8.07 -4.97	87.84 5.00 0.55	65.46 3.77 5.71	55.34 2.79 5.54
W.NYACK_69_KV_BK 521_REV_LBMP_G 345027	44.46 1.75 0.00	38.89 1.57 0.00	35.54 1.56 0.00	31.71 1.48 0.00	32.88 1.51 0.00	35.99 1.71 0.00	36.75 2.11 0.00	40.18 2.52 0.00	43.81 2.79 0.00	45.99 3.09 0.00	49.80 3.17 0.00	54.47 3.42 0.00	59.50 3.79 0.00	68.11 4.16 0.00	83.41 5.24 0.00	92.34 6.12 0.00	115.62 10.02 -1.23	148.08 12.84 -0.05	166.02 13.66 -0.63	137.73 10.33 -2.94	108.81 6.80 -4.82	87.89 4.50 0.00	69.96 2.56 0.00	60.36 2.27 0.00
W49TH_ST_138_KV_38M43_REV_LBMP_J 345008	44.89 2.18 0.00	39.30 1.98 0.00	35.85 1.87 0.00	32.01 1.78 0.00	33.19 1.82 0.00	36.33 2.06 0.00	37.20 2.56 0.00	40.78 3.13 0.00	44.55 3.53 -0.01	46.86 3.95 -0.01	50.70 4.06 0.00	55.34 4.29 0.00	60.28 4.57 0.00	68.88 4.92 0.00	84.43 6.25 0.00	93.46 7.24 0.00	117.50 11.79 -1.33	149.85 14.60 -0.06	167.74 15.33 -0.68	139.08 11.57 -3.04	109.75 7.58 -4.97	88.47 5.09 0.00	70.29 2.90 0.00	60.82 2.73 0.00
W50THST__13_KV_LOAD 356117	45.14 2.43 0.00	39.53 2.20 0.00	36.05 2.07 0.00	32.16 1.93 0.00	33.38 2.01 0.00	36.54 2.26 0.00	37.41 2.77 0.00	41.04 3.39 0.00	44.88 3.86 0.00	47.20 4.29 -0.01	51.12 4.48 -0.01	55.75 4.70 0.00	60.78 5.07 0.00	69.45 5.50 0.00	85.13 6.96 0.00	94.32 8.10 0.00	118.44 12.73 -1.33	151.20 15.95 -0.06	169.10 16.69 -0.68	139.95 12.45 -3.04	110.43 8.26 -4.97	89.06 5.67 0.00	70.70 3.30 0.00	61.17 3.08 0.00
WADING RIVER_IC_1 23522	45.01 2.30 0.00	39.34 2.01 0.00	35.85 1.87 0.00	32.10 1.87 0.00	33.13 1.76 0.00	36.23 1.95 0.00	36.71 2.08 0.00	40.67 3.01 0.00	44.47 3.45 0.00	45.90 3.00 0.00	48.72 2.10 0.01	53.51 2.76 0.30	58.55 3.12 0.27	66.64 2.69 0.00	81.46 3.52 0.24	91.56 5.35 0.00	117.92 12.21 -1.35	179.91 15.81 -28.91	189.53 16.84 -20.95	140.08 12.57 -3.05	108.58 6.41 -4.97	86.44 4.00 0.95	62.50 2.16 7.05	52.69 1.45 6.86
WADING RIVER_IC_2 23547	45.01 2.30 0.00	39.34 2.01 0.00	35.85 1.87 0.00	32.10 1.87 0.00	33.13 1.76 0.00	36.23 1.95 0.00	36.71 2.08 0.00	40.67 3.01 0.00	44.47 3.45 0.00	45.90 3.00 0.00	48.72 2.10 0.01	53.51 2.76 0.30	58.55 3.12 0.27	66.64 2.69 0.00	81.46 3.52 0.24	91.56 5.35 0.00	117.92 12.21 -1.35	179.91 15.81 -28.91	189.53 16.84 -20.95	140.08 12.57 -3.05	108.58 6.41 -4.97	86.44 4.00 0.95	62.50 2.16 7.05	52.69 1.45 6.86
WADING RIVER_IC_3 23601	45.01 2.30 0.00	39.34 2.01 0.00	35.85 1.87 0.00	32.10 1.87 0.00	33.13 1.76 0.00	36.23 1.95 0.00	36.71 2.08 0.00	40.67 3.01 0.00	44.47 3.45 0.00	45.90 3.00 0.00	48.72 2.10 0.01	53.51 2.76 0.30	58.55 3.12 0.27	66.64 2.69 0.00	81.46 3.52 0.24	91.56 5.35 0.00	117.92 12.21 -1.35	179.91 15.81 -28.91	189.53 16.84 -20.95	140.08 12.57 -3.05	108.58 6.41 -4.97	86.44 4.00 0.95	62.50 2.16 7.05	52.69 1.45 6.86
WALDENNY_12_KV_BK2 80841	41.98 -0.73 0.00	37.03 -0.30 0.00	33.33 -0.65 0.00	29.92 -0.30 0.00	30.78 -0.60 0.00	33.59 -0.69 0.00	34.22 -0.42 0.00	36.19 -1.47 0.00	40.16 -0.86 0.00	42.13 -0.77 0.00	45.98 -0.65 0.00	51.36 0.31 0.00	56.15 0.45 0.00	65.23 1.28 0.00	79.35 1.17 0.00	89.32 3.10 0.00	108.13 3.76 0.00	137.89 2.70 0.00	155.07 3.34 0.00	127.33 2.86 0.00	98.46 1.26 0.00	82.22 -1.17 0.00	66.72 -0.67 0.00	57.69 -0.41 0.00
WALDEN__HYDRO 24148	44.29 1.58 0.00	38.71 1.38 0.00	35.37 1.39 0.00	31.55 1.33 0.00	32.72 1.35 0.00	35.82 1.54 0.00	36.54 1.90 0.00	39.91 2.26 0.00	43.48 2.46 0.00	45.60 2.70 0.00	49.43 2.80 0.00	54.07 3.01 0.00	59.11 3.40 0.00	67.73 3.77 0.00	82.94 4.77 0.00	91.82 5.60 0.00	114.58 9.29 -0.92	147.12 11.90 -0.04	165.25 13.05 -0.47	137.36 9.83 -3.06	108.82 6.61 -5.02	87.89 4.50 0.00	70.02 2.63 0.00	60.36 2.27 0.00
WARRENSBURG____ 23737	44.37 1.67 0.00	38.86 1.53 0.00	35.47 1.50 0.00	31.55 1.33 0.00	32.78 1.41 0.00	35.89 1.61 0.00	36.44 1.80 0.00	39.69 2.03 0.00	42.99 1.97 0.00	44.79 1.89 0.00	48.35 1.73 0.00	52.94 1.89 0.00	57.99 2.28 0.00	66.45 2.49 0.00	81.46 3.28 0.00	90.18 3.97 0.00	115.86 6.26 -5.22	144.74 9.33 -0.22	166.80 12.44 -2.62	166.23 10.21 -31.56	156.74 7.87 -51.67	89.31 5.92 0.00	71.57 4.18 0.00	61.23 3.14 0.00
WATERSIDE____6 8 9 23538	45.10 2.39 0.00	39.45 2.13 0.00	36.02 2.04 0.00	32.13 1.90 0.00	33.35 1.98 0.00	36.47 2.19 0.00	37.30 2.67 0.00	40.89 3.24 0.00	44.67 3.65 0.00	46.91 3.99 -0.02	50.70 4.06 -0.02	55.44 4.39 0.00	60.28 4.57 0.00	68.11 4.16 0.00	83.49 5.32 0.00	92.42 6.21 0.00	116.14 10.44 -1.33	148.36 13.11 -0.06	166.07 13.66 -0.68	137.83 10.33 -3.04	108.88 6.71 -4.98	87.64 4.25 0.00	69.69 2.29 0.00	60.36 2.27 0.00
WATKINRD_115KV_LN8_ILLION 55919	42.28 -0.43 0.00	36.95 -0.37 0.00	33.67 -0.31 0.00	29.95 -0.27 0.00	31.09 -0.28 0.00	34.04 -0.24 0.00	34.46 -0.17 0.00	37.50 -0.15 0.00	40.86 -0.16 0.00	42.77 -0.13 0.00	46.44 -0.19 0.00	50.90 -0.15 0.00	55.54 -0.17 0.00	63.76 -0.19 0.00	78.02 -0.16 0.00	86.13 -0.09 0.00	106.21 0.00 -1.83	139.97 0.41 -4.37	158.48 0.46 -6.28	128.10 0.37 -3.26	97.29 0.10 0.00	83.39 0.00 0.00	67.06 -0.34 0.00	57.69 -0.41 0.00



WDELAWARE___HYD 323627	44.12 1.41 0.00	38.55 1.23 0.00	35.17 1.19 0.00	31.37 1.15 0.00	32.53 1.16 0.00	35.65 1.37 0.00	36.33 1.70 0.00	39.65 1.99 0.00	43.24 2.21 0.00	45.28 2.40 0.02	49.05 2.42 0.00	53.71 2.65 0.00	58.71 3.01 0.00	67.47 3.52 0.00	82.44 4.53 0.27	91.24 5.52 0.49	113.45 9.08 0.00	147.09 11.90 0.00	165.09 13.36 0.00	137.95 10.21 -3.28	109.56 7.00 -5.36	88.31 4.92 0.00	70.29 2.90 0.00	60.48 2.38 0.00
WEST BABYLON___IC 23714	46.12 3.42 0.00	40.20 2.87 0.00	36.63 2.65 0.00	32.73 2.51 0.00	33.91 2.54 0.00	37.02 2.74 0.00	37.62 2.98 0.00	41.57 3.92 0.00	45.49 4.47 0.00	47.10 4.20 0.00	50.26 3.64 0.01	55.12 4.24 0.18	60.29 4.68 0.10	68.81 4.86 0.00	83.95 5.86 0.09	93.54 7.33 0.00	119.69 13.99 -1.33	153.22 17.98 -0.06	171.68 19.27 -0.68	142.44 14.94 -3.04	110.24 8.07 -4.97	87.84 5.00 0.55	65.46 3.77 5.71	55.34 2.79 5.54
WEST CANADA___HYD 24049	42.75 0.04 0.00	37.36 0.04 0.00	34.05 0.07 0.00	30.32 0.09 0.00	31.47 0.09 0.00	34.38 0.10 0.00	34.81 0.17 0.00	37.88 0.23 0.00	41.27 0.25 0.00	43.16 0.26 0.00	46.86 0.23 0.00	51.36 0.31 0.00	56.04 0.34 0.00	64.34 0.39 0.00	78.73 0.55 0.00	86.90 0.69 0.00	107.25 1.04 -1.83	141.05 1.49 -4.37	159.69 1.67 -6.28	128.97 1.24 -3.26	98.07 0.87 0.00	83.97 0.59 0.00	67.67 0.27 0.00	58.27 0.17 0.00
WESTERN_NY_WIND 24143	43.31 0.60 0.00	37.88 0.56 0.00	34.18 0.20 0.00	30.62 0.39 0.00	31.62 0.25 0.00	34.45 0.17 0.00	35.09 0.45 0.00	37.28 -0.38 0.00	41.19 0.16 0.00	43.11 0.21 0.00	47.19 0.56 0.00	52.48 1.43 0.00	57.21 1.50 0.00	66.51 2.56 0.00	80.91 2.74 0.00	89.40 3.19 0.00	108.34 3.97 0.00	138.97 3.79 0.00	156.74 5.01 0.00	128.94 4.48 0.00	99.92 2.72 0.00	83.55 0.17 0.00	67.66 0.27 0.00	58.33 0.23 0.00
WESTOVER___LESR 323668	43.05 0.34 0.00	37.70 0.37 0.00	34.25 0.27 0.00	30.53 0.30 0.00	31.66 0.28 0.00	34.59 0.31 0.00	35.23 0.59 0.00	38.03 0.38 0.00	41.64 0.62 0.00	43.54 0.64 0.00	47.33 0.70 0.00	52.18 1.12 0.00	56.93 1.23 0.00	65.61 1.66 0.00	80.21 2.03 0.00	89.15 2.93 0.00	108.55 4.17 0.00	140.33 5.14 0.00	157.50 5.77 0.00	130.67 4.85 -1.35	102.71 3.30 -2.21	85.14 1.75 0.00	68.41 1.01 0.00	59.02 0.93 0.00
WETHRSFD_WT_PWR 323626	41.94 -0.77 0.00	36.84 -0.49 0.00	33.20 -0.78 0.00	29.71 -0.51 0.00	30.68 -0.69 0.00	33.39 -0.89 0.00	34.05 -0.59 0.00	36.04 -1.62 0.00	39.79 -1.23 0.00	41.65 -1.25 0.00	45.74 -0.89 0.00	50.64 -0.41 0.00	55.76 0.06 0.00	63.95 0.00 0.00	77.79 -0.39 0.00	87.42 1.21 0.00	106.04 1.66 0.00	135.87 0.68 0.00	153.25 1.52 0.00	126.71 2.24 0.00	98.26 1.07 0.00	82.47 -0.92 0.00	66.45 -0.94 0.00	57.16 -0.93 0.00
WHAVSTOR_138KV_BK127 55557	44.29 1.58 0.00	38.78 1.46 0.00	35.44 1.46 0.00	31.61 1.39 0.00	32.78 1.41 0.00	35.89 1.61 0.00	36.61 1.97 0.00	40.03 2.37 0.00	43.69 2.67 0.00	45.82 2.92 0.00	49.61 2.98 0.00	54.27 3.22 0.00	59.22 3.51 0.00	67.73 3.77 0.00	82.94 4.77 0.00	91.82 5.60 0.00	115.00 9.39 -1.24	147.14 11.90 -0.05	164.96 12.59 -0.63	136.87 9.46 -2.95	108.24 6.22 -4.83	87.39 4.00 0.00	69.55 2.16 0.00	60.07 1.98 0.00
WHAVSTOR_138_KV_BK127_REV_LBMP_G 345015	44.29 1.58 0.00	38.78 1.46 0.00	35.44 1.46 0.00	31.61 1.39 0.00	32.78 1.41 0.00	35.89 1.61 0.00	36.61 1.97 0.00	40.03 2.37 0.00	43.69 2.67 0.00	45.82 2.92 0.00	49.61 2.98 0.00	54.27 3.22 0.00	59.22 3.51 0.00	67.73 3.77 0.00	82.94 4.77 0.00	91.82 5.60 0.00	115.00 9.39 -1.24	147.14 11.90 -0.05	164.96 12.59 -0.63	136.87 9.46 -2.95	108.24 6.22 -4.83	87.39 4.00 0.00	69.55 2.16 0.00	60.07 1.98 0.00
WHITEHAL_115KV_TB1 80871	45.31 2.61 0.00	39.60 2.28 0.00	36.12 2.14 0.00	32.13 1.90 0.00	33.41 2.04 0.00	36.57 2.30 0.00	37.16 2.53 0.00	40.44 2.79 0.00	43.73 2.71 0.00	45.52 2.62 0.00	49.24 2.61 0.00	53.96 2.91 0.00	59.16 3.45 0.00	67.79 3.84 0.00	83.18 5.00 0.00	92.25 6.04 -5.45	118.80 8.98 -0.23	148.67 13.25 -2.74	171.47 16.99 -31.27	169.92 14.19 -51.20	159.37 10.98 0.00	91.81 8.42 0.00	73.53 6.13 0.00	62.74 4.65 0.00
WHITEPLN_13_KV_LOAD 356215	45.06 2.35 0.00	39.45 2.13 0.00	35.95 1.97 0.00	32.10 1.87 0.00	33.29 1.91 0.00	36.44 2.16 0.00	37.27 2.63 0.00	40.89 3.24 0.00	44.67 3.65 0.00	46.93 4.03 0.00	50.78 4.15 0.00	55.60 4.54 0.00	60.72 5.01 0.00	69.64 5.69 0.00	85.29 7.11 0.00	94.58 8.36 0.00	118.85 13.05 -1.33	152.41 17.17 -0.06	170.62 18.21 -0.68	141.44 13.94 -3.03	111.69 9.52 -4.97	89.47 6.09 0.00	70.90 3.50 0.00	61.17 3.08 0.00
WM_FLOYD_69_KV_BK2 356380	45.61 2.90 0.00	39.71 2.39 0.00	36.19 2.21 0.00	32.43 2.21 0.00	33.57 2.20 0.00	36.61 2.33 0.00	37.13 2.49 0.00	41.08 3.43 0.00	44.92 3.90 0.00	46.37 3.47 0.00	49.37 2.75 0.01	54.15 3.42 0.33	59.15 3.73 0.29	67.79 3.84 0.00	82.53 4.61 0.26	92.42 6.21 0.00	118.77 13.05 -1.35	185.84 16.90 -33.75	194.29 18.21 -24.35	141.58 14.06 -3.05	109.36 7.19 -4.97	86.45 4.09 1.03	63.20 2.83 7.03	53.23 1.98 6.83
WOODARD__115KV_TB2 355635	42.45 -0.26 0.00	37.10 -0.22 0.00	33.74 -0.24 0.00	30.04 -0.18 0.00	31.18 -0.19 0.00	34.07 -0.21 0.00	34.64 0.00 0.00	37.62 -0.04 0.00	41.14 0.12 0.00	43.07 0.17 0.00	46.86 0.23 0.00	51.51 0.46 0.00	56.21 0.50 0.00	64.72 0.77 0.00	79.11 0.94 0.00	87.59 1.38 0.00	106.36 1.98 0.00	143.44 2.57 -5.68	162.78 2.88 -8.16	131.19 2.49 -4.24	98.75 1.56 0.00	83.97 0.58 0.00	67.53 0.13 0.00	58.09 0.00 0.00
WOODMERE_69_KV_BK1 55827	45.95 3.25 0.00	40.09 2.76 0.00	36.56 2.58 0.00	32.64 2.42 0.00	33.82 2.45 0.00	36.95 2.67 0.00	37.58 2.94 0.00	41.42 3.77 0.00	45.33 4.31 0.00	47.23 4.33 0.00	50.69 4.06 0.00	55.75 4.70 0.00	60.94 5.24 0.00	69.64 5.69 0.00	85.34 7.11 -0.05	94.75 8.54 0.00	120.42 14.72 -1.33	153.90 18.66 -0.06	172.59 20.18 -0.68	143.06 15.56 -3.04	111.31 9.14 -4.98	89.62 6.17 -0.06	78.26 4.58 -6.28	67.53 3.37 -6.07
YORK___WARBASSE 23770	45.31 2.61 0.00	39.64 2.31 0.00	36.15 2.17 0.00	32.25 2.03 0.00	33.44 2.07 0.00	36.57 2.30 0.00	37.37 2.74 0.00	40.93 3.28 0.00	44.75 3.73 0.00	47.08 4.16 -0.02	50.80 4.15 -0.02	55.50 4.44 0.00	60.33 4.62 0.00	68.30 4.35 0.00	83.80 5.63 0.00	92.77 6.55 0.00	116.66 10.96 -1.33	148.90 13.65 -0.06	166.83 14.41 -0.68	138.45 10.95 -3.04	109.36 7.19 -4.98	88.14 4.75 0.00	70.02 2.63 0.00	60.59 2.50 0.00