

Time Weighted/Integrated Real Time LBMP- Generator

--- LBMP \$		--- Marginal Cost of Losses										--- Marginal Cost of Congestion											
Generator Data		03/09/2025																					
Name	00:00	01:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00
PTID	EST	EST	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT
59TH STREET_GT_1 24138	46.72 1.77 0.00	40.79 1.57 0.00	50.87 1.97 0.00	52.73 1.96 0.00	62.25 2.13 0.00	50.32 2.12 0.00	52.67 2.35 0.00	46.47 1.97 0.00	43.75 1.81 0.00	41.23 1.83 0.00	36.98 1.41 0.00	37.25 1.60 0.00	33.99 1.56 0.00	27.82 1.32 0.00	22.73 1.21 0.00	19.62 1.09 0.00	35.85 1.80 0.00	52.81 2.27 0.00	70.75 2.76 0.00	65.14 2.51 0.00	58.69 2.27 0.00	47.26 1.79 0.00	42.43 1.61 0.00
74TH STREET_GT_1 24260	46.91 1.97 0.00	40.97 1.75 0.00	51.10 2.20 0.00	52.98 2.21 0.00	62.53 2.40 0.00	50.53 2.33 0.00	52.88 2.55 0.00	46.67 2.16 0.00	43.96 2.01 0.00	41.41 2.02 0.00	37.16 1.59 0.00	37.43 1.78 0.00	34.13 1.71 0.00	27.96 1.46 0.00	22.83 1.30 0.00	19.70 1.17 0.00	36.00 1.95 0.00	53.10 2.55 0.00	71.13 3.15 0.00	65.47 2.84 0.00	59.02 2.60 0.00	47.52 2.05 0.00	42.66 1.84 0.00
74TH STREET_GT_2 24261	46.91 1.97 0.00	40.97 1.75 0.00	51.10 2.20 0.00	52.98 2.21 0.00	62.53 2.40 0.00	50.53 2.33 0.00	52.88 2.55 0.00	46.67 2.16 0.00	43.96 2.01 0.00	41.41 2.02 0.00	37.16 1.59 0.00	37.43 1.78 0.00	34.13 1.71 0.00	27.96 1.46 0.00	22.83 1.30 0.00	19.70 1.17 0.00	36.00 1.95 0.00	53.10 2.55 0.00	71.13 3.15 0.00	65.47 2.84 0.00	59.02 2.60 0.00	47.52 2.05 0.00	42.66 1.84 0.00
ADK HUDSON___FALLS 24011	48.33 3.39 0.00	42.22 3.00 0.00	52.89 3.99 0.00	54.76 4.00 0.00	64.73 4.61 0.00	51.96 3.76 0.00	54.61 4.28 0.00	48.19 3.68 0.00	45.04 3.09 0.00	42.08 2.68 0.00	38.10 2.53 0.00	38.11 2.46 0.00	34.73 2.31 0.00	28.50 2.00 0.00	23.25 1.73 0.00	19.90 1.37 0.00	36.69 2.65 0.00	54.40 3.86 0.00	72.90 4.91 0.00	67.04 4.41 0.00	60.54 4.12 0.00	48.61 3.15 0.00	43.56 2.74 0.00
ADK RESOURCE___RCVRY 23798	48.63 3.68 0.00	42.52 3.30 0.00	53.31 4.41 0.00	55.16 4.39 0.00	65.16 5.03 0.00	52.27 4.07 0.00	55.05 4.72 0.00	48.55 4.05 0.00	45.30 3.35 0.00	42.28 2.88 0.00	38.30 2.73 0.00	38.31 2.66 0.00	34.95 2.52 0.00	28.68 2.18 0.00	23.45 1.93 0.00	20.07 1.54 0.00	36.97 2.92 0.00	54.77 4.23 0.00	73.33 5.35 0.00	67.44 4.81 0.00	61.02 4.61 0.00	48.96 3.49 0.00	43.82 3.01 0.00
ADK S GLENS___FALLS 24028	48.33 3.39 0.00	42.22 3.00 0.00	52.89 3.99 0.00	54.76 4.00 0.00	64.73 4.61 0.00	51.96 3.76 0.00	54.61 4.28 0.00	48.19 3.68 0.00	45.04 3.09 0.00	42.08 2.68 0.00	38.10 2.53 0.00	38.11 2.46 0.00	34.73 2.31 0.00	28.50 2.00 0.00	23.25 1.73 0.00	19.90 1.37 0.00	36.69 2.65 0.00	54.40 3.86 0.00	72.90 4.91 0.00	67.04 4.41 0.00	60.54 4.12 0.00	48.61 3.15 0.00	43.56 2.74 0.00
ADK_NYS___DAM 23527	47.20 2.25 0.00	41.16 1.94 0.00	51.48 2.58 0.00	53.41 2.64 0.00	63.07 2.95 0.00	50.60 2.40 0.00	53.15 2.82 0.00	46.89 2.38 0.00	43.87 1.93 0.00	41.13 1.73 0.00	36.99 1.42 0.00	37.15 1.50 0.00	33.92 1.50 0.00	27.85 1.35 0.00	22.73 1.21 0.00	19.58 1.05 0.00	36.08 2.03 0.00	52.95 2.41 0.00	70.89 2.90 0.00	65.18 2.55 0.00	58.93 2.51 0.00	47.56 2.09 0.00	42.70 1.88 0.00
AIR_PRODUCTS___DRP 24190	46.45 1.50 0.00	40.53 1.31 0.00	50.61 1.70 0.00	52.53 1.76 0.00	62.05 1.93 0.00	49.82 1.62 0.00	52.18 1.85 0.00	46.07 1.57 0.00	43.27 1.33 0.00	40.66 1.26 0.00	36.67 1.10 0.00	36.83 1.17 0.00	33.54 1.12 0.00	27.51 1.01 0.00	22.35 0.83 0.00	19.25 0.72 0.00	35.38 1.33 0.00	52.25 1.70 0.00	70.13 2.14 0.00	64.57 1.93 0.00	58.22 1.80 0.00	46.92 1.46 0.00	42.10 1.28 0.00
AKWESSNE_115KV_BK 355683	45.52 0.56 0.00	39.72 0.50 0.00	49.45 0.55 0.00	51.37 0.60 0.00	61.01 0.89 0.00	48.83 0.63 0.00	50.92 0.59 0.00	45.19 0.68 0.00	42.71 0.77 0.00	40.17 0.78 0.00	36.32 0.76 0.00	36.42 0.77 0.00	33.08 0.66 0.00	27.01 0.51 0.00	21.88 0.36 0.00	18.79 0.26 0.00	34.48 0.43 0.00	51.39 0.85 0.00	69.29 1.31 0.00	63.93 1.30 0.00	57.57 1.15 0.00	46.32 0.85 0.00	41.67 0.85 0.00
ALBANY_1_SOLAR 323833	46.88 1.93 0.00	40.91 1.69 0.00	51.07 2.17 0.00	53.01 2.24 0.00	62.65 2.53 0.00	50.29 2.09 0.00	52.62 2.29 0.00	46.42 1.92 0.00	43.58 1.63 0.00	40.81 1.41 0.00	36.88 1.31 0.00	37.01 1.36 0.00	33.66 1.24 0.00	27.66 1.16 0.00	22.39 0.87 0.00	19.18 0.65 0.00	35.43 1.38 0.00	52.67 2.13 0.00	70.82 2.83 0.00	65.18 2.54 0.00	58.74 2.33 0.00	47.34 1.87 0.00	42.47 1.65 0.00
ALBANY_2_SOLAR 323834	46.86 1.91 0.00	40.90 1.68 0.00	51.05 2.15 0.00	53.00 2.23 0.00	62.63 2.51 0.00	50.27 2.08 0.00	52.61 2.28 0.00	46.41 1.90 0.00	43.57 1.63 0.00	40.80 1.40 0.00	36.88 1.31 0.00	37.01 1.35 0.00	33.66 1.24 0.00	27.65 1.15 0.00	22.38 0.86 0.00	19.17 0.64 0.00	35.42 1.37 0.00	52.65 2.10 0.00	70.79 2.81 0.00	65.15 2.52 0.00	58.72 2.30 0.00	47.31 1.85 0.00	42.45 1.63 0.00
ALBANY___1 23571	46.45 1.50 0.00	40.53 1.31 0.00	50.61 1.70 0.00	52.53 1.76 0.00	62.05 1.93 0.00	49.82 1.62 0.00	52.18 1.85 0.00	46.07 1.57 0.00	43.27 1.33 0.00	40.66 1.26 0.00	36.67 1.10 0.00	36.83 1.17 0.00	33.54 1.12 0.00	27.51 1.01 0.00	22.35 0.83 0.00	19.25 0.72 0.00	35.38 1.33 0.00	52.25 1.70 0.00	70.13 2.14 0.00	64.57 1.93 0.00	58.22 1.80 0.00	46.92 1.46 0.00	42.10 1.28 0.00
ALBANY___2	46.45	40.53	50.61	52.53	62.05	49.82	52.18	46.07	43.27	40.66	36.67	36.83	33.54	27.51	22.35	19.25	35.38	52.25	70.13	64.57	58.22	46.92	42.10

23572	1.50 0.00	1.31 0.00	1.70 0.00	1.76 0.00	1.93 0.00	1.62 0.00	1.85 0.00	1.57 0.00	1.33 0.00	1.26 0.00	1.10 0.00	1.17 0.00	1.12 0.00	1.01 0.00	0.83 0.00	0.72 0.00	1.33 0.00	1.70 0.00	2.14 0.00	1.93 0.00	1.80 0.00	1.46 0.00	1.28 0.00
ALBANY___3 23573	46.45 1.50 0.00	40.53 1.31 0.00	50.61 1.70 0.00	52.53 1.76 0.00	62.05 1.93 0.00	49.82 1.62 0.00	52.18 1.85 0.00	46.07 1.57 0.00	43.27 1.33 0.00	40.66 1.26 0.00	36.67 1.10 0.00	36.83 1.17 0.00	33.54 1.12 0.00	27.51 1.01 0.00	22.35 0.83 0.00	19.25 0.72 0.00	35.38 1.33 0.00	52.25 1.70 0.00	70.13 2.14 0.00	64.57 1.93 0.00	58.22 1.80 0.00	46.92 1.46 0.00	42.10 1.28 0.00
ALBANY___4 23574	46.45 1.50 0.00	40.53 1.31 0.00	50.61 1.70 0.00	52.53 1.76 0.00	62.05 1.93 0.00	49.82 1.62 0.00	52.18 1.85 0.00	46.07 1.57 0.00	43.27 1.33 0.00	40.66 1.26 0.00	36.67 1.10 0.00	36.83 1.17 0.00	33.54 1.12 0.00	27.51 1.01 0.00	22.35 0.83 0.00	19.25 0.72 0.00	35.38 1.33 0.00	52.25 1.70 0.00	70.13 2.14 0.00	64.57 1.93 0.00	58.22 1.80 0.00	46.92 1.46 0.00	42.10 1.28 0.00
ALBANY___LFGE 323615	46.67 1.72 0.00	40.73 1.51 0.00	50.84 1.94 0.00	52.79 2.02 0.00	62.35 2.23 0.00	50.07 1.87 0.00	52.43 2.10 0.00	46.30 1.79 0.00	43.48 1.53 0.00	40.85 1.46 0.00	36.86 1.29 0.00	37.02 1.36 0.00	33.72 1.30 0.00	27.66 1.16 0.00	22.47 0.95 0.00	19.35 0.82 0.00	35.58 1.53 0.00	52.54 2.00 0.00	70.52 2.53 0.00	64.91 2.28 0.00	58.53 2.11 0.00	47.15 1.68 0.00	42.31 1.49 0.00
ALCOA_PA_115KV_PL-6C 55860	45.87 0.92 0.00	40.03 0.81 0.00	49.83 0.93 0.00	51.71 0.94 0.00	61.41 1.29 0.00	49.16 0.96 0.00	51.27 0.94 0.00	45.50 0.99 0.00	42.99 1.05 0.00	40.47 1.08 0.00	36.58 1.01 0.00	36.66 1.01 0.00	33.27 0.85 0.00	27.15 0.65 0.00	21.98 0.46 0.00	18.87 0.34 0.00	34.66 0.61 0.00	51.74 1.19 0.00	69.78 1.79 0.00	64.41 1.77 0.00	58.03 1.61 0.00	46.71 1.24 0.00	42.01 1.19 0.00
ALCOA_RYNLDS___DRP 24188	45.87 0.92 0.00	40.03 0.81 0.00	49.83 0.93 0.00	51.71 0.94 0.00	61.41 1.29 0.00	49.16 0.96 0.00	51.27 0.94 0.00	45.50 0.99 0.00	42.99 1.05 0.00	40.47 1.08 0.00	36.58 1.01 0.00	36.66 1.01 0.00	33.27 0.85 0.00	27.15 0.65 0.00	21.98 0.46 0.00	18.87 0.34 0.00	34.66 0.61 0.00	51.74 1.19 0.00	69.78 1.79 0.00	64.41 1.77 0.00	58.03 1.61 0.00	46.71 1.24 0.00	42.01 1.19 0.00
ALCOA___DSASP 323711	45.87 0.92 0.00	40.03 0.81 0.00	49.83 0.93 0.00	51.71 0.94 0.00	61.41 1.29 0.00	49.16 0.96 0.00	51.27 0.93 0.00	45.50 0.99 0.00	42.99 1.05 0.00	40.47 1.08 0.00	36.58 1.01 0.00	36.66 1.01 0.00	33.27 0.85 0.00	27.15 0.65 0.00	21.98 0.46 0.00	18.87 0.34 0.00	34.66 0.62 0.00	51.74 1.19 0.00	69.78 1.79 0.00	64.41 1.77 0.00	58.02 1.61 0.00	46.71 1.24 0.00	42.00 1.19 0.00
ALLEGHENY___COGEN 23514	44.38 -0.57 0.00	38.69 -0.53 0.00	48.51 -0.39 0.00	50.37 -0.40 0.00	59.81 -0.31 0.00	47.07 -1.13 0.00	48.64 -1.69 0.00	43.02 -1.48 0.00	55.96 -1.89 -15.91	63.45 -2.54 -26.59	57.78 -2.46 -24.68	57.55 -2.76 -24.65	52.79 -2.78 -23.14	43.94 -2.37 -19.81	37.46 -1.88 -17.82	33.25 -1.56 -16.28	51.64 -2.51 -20.10	85.86 -2.72 -38.04	114.89 -1.60 -48.50	105.94 -1.24 -44.54	96.31 -1.62 -41.51	79.15 -1.51 -35.20	70.97 -1.50 -31.66
ALTAMONT_115KV_TB 2 55880	46.14 1.19 0.00	40.27 1.05 0.00	50.27 1.37 0.00	52.17 1.40 0.00	61.65 1.53 0.00	49.51 1.31 0.00	51.83 1.49 0.00	45.77 1.26 0.00	42.99 1.04 0.00	40.36 0.97 0.00	36.43 0.85 0.00	36.57 0.92 0.00	33.31 0.89 0.00	27.29 0.79 0.00	22.17 0.64 0.00	19.10 0.57 0.00	35.08 1.03 0.00	51.91 1.37 0.00	69.71 1.72 0.00	64.19 1.55 0.00	57.87 1.45 0.00	46.63 1.17 0.00	41.85 1.03 0.00
ALTONA_WT_PWR 323606	44.06 -0.89 0.00	38.63 -0.59 0.00	48.48 -0.42 0.00	50.62 -0.15 0.00	60.63 0.50 0.00	48.41 0.21 0.00	50.68 0.35 0.00	45.01 0.50 0.00	42.29 0.34 0.00	39.55 0.16 0.00	35.91 0.34 0.00	36.33 0.67 0.00	33.35 0.93 0.00	27.36 0.86 0.00	21.92 0.40 0.00	18.52 -0.01 0.00	34.03 -0.02 0.00	52.04 1.50 0.00	70.65 2.66 0.00	64.87 2.24 0.00	58.45 2.03 0.00	46.46 0.99 0.00	42.33 1.51 0.00
AMERICAN_REF_FUEL 24010	41.62 -3.33 0.00	36.18 -3.04 0.00	45.26 -3.64 0.00	46.93 -3.84 0.00	55.39 -4.74 0.00	43.35 -4.85 0.00	44.52 -5.81 0.00	39.43 -5.08 0.00	33.92 -4.49 3.54	29.07 -4.41 5.91	26.41 -3.68 5.49	26.48 -3.69 5.48	23.60 -3.67 5.15	19.02 -3.08 4.41	15.09 -2.47 3.96	12.76 -2.15 3.62	25.64 -3.94 4.47	36.27 -5.82 8.46	49.46 -7.72 10.80	45.59 -7.11 9.94	40.37 -6.78 9.26	32.34 -5.27 7.85	29.32 -4.44 7.06
ARKWRIGHT___SUMMIT_WT_PWR 323751	42.28 -2.67 0.00	36.92 -2.30 0.00	46.70 -2.21 0.00	48.49 -2.28 0.00	56.76 -3.37 0.00	44.53 -3.67 0.00	45.86 -4.48 0.00	40.48 -4.02 0.00	36.48 -3.69 1.77	32.47 -3.97 2.96	29.66 -3.17 2.75	30.08 -2.83 2.74	27.12 -2.72 2.58	21.85 -2.44 2.20	17.67 -1.87 1.98	15.00 -1.72 1.81	28.51 -3.30 2.24	41.94 -4.38 4.23	57.87 -4.94 5.17	53.09 -4.95 4.59	46.96 -5.18 4.27	37.66 -4.18 3.63	33.68 -3.88 3.26
ARTHUR_KILL_GT_1 23520	60.24 2.06 -13.23	60.10 1.84 -19.04	58.86 2.29 -7.67	58.86 2.33 -5.76	62.37 2.18 -0.07	59.75 2.36 -9.20	59.32 2.59 -6.40	60.23 2.19 -13.54	59.53 2.02 -15.57	60.21 1.96 -18.85	58.92 1.60 -21.75	58.95 1.85 -21.45	58.50 1.77 -24.30	58.52 1.51 -30.52	58.66 1.35 -35.79	60.03 1.20 -40.29	60.17 1.98 -24.14	60.39 2.46 -7.38	70.99 3.01 0.00	65.41 2.77 0.00	62.44 2.61 -3.41	60.23 2.12 -12.64	61.99 1.93 -19.24
ARTHUR_KILL_2 23512	60.11 1.93 -13.23	60.00 1.73 -19.04	58.73 2.16 -7.67	58.73 2.20 -5.76	62.21 2.02 -0.07	59.63 2.23 -9.20	59.19 2.46 -6.40	60.11 2.07 -13.54	59.42 1.90 -15.57	60.11 1.86 -18.85	58.84 1.53 -21.75	58.88 1.77 -21.45	58.43 1.71 -24.30	58.47 1.45 -30.52	58.61 1.30 -35.79	59.99 1.16 -40.29	60.09 1.90 -24.14	60.26 2.34 -7.38	70.79 2.80 0.00	65.22 2.59 0.00	62.28 2.45 -3.41	60.11 2.00 -12.64	61.88 1.82 -19.24
ARTHUR_KILL_3 23513	59.53 1.35 -13.23	59.90 1.22 -19.45	58.13 1.56 -7.68	58.09 1.55 -5.77	61.83 1.63 -0.07	59.17 1.71 -9.26	58.84 1.87 -6.64	59.62 1.57 -13.54	58.96 1.43 -15.58	59.69 1.45 -18.85	58.38 1.06 -21.75	58.35 1.24 -21.46	57.96 1.23 -24.31	58.10 1.07 -30.53	58.32 1.00 -35.80	59.75 0.92 -40.30	59.63 1.43 -24.15	59.70 1.78 -7.38	70.11 2.12 0.00	64.58 1.95 0.00	61.19 1.77 -3.01	59.51 1.40 -12.65	61.35 1.28 -19.25
ARTHUR_KILL_COGEN	60.24	60.10	58.86	58.86	62.37	59.75	59.32	60.23	59.53	60.21	58.92	58.95	58.50	58.52	58.66	60.03	60.17	60.39	70.99	65.41	62.44	60.23	61.99

323718	2.06 -13.23	1.84 -19.04	2.29 -7.67	2.33 -5.76	2.18 -0.07	2.36 -9.20	2.59 -6.40	2.19 -13.54	2.02 -15.57	1.96 -18.85	1.60 -21.75	1.85 -21.45	1.77 -24.30	1.51 -30.52	1.35 -35.79	1.20 -40.29	1.98 -24.14	2.46 -7.38	3.01 0.00	2.77 0.00	2.61 -3.41	2.12 -12.64	1.93 -19.24
ASHOKAN____ 23654	47.99 3.04 0.00	41.82 2.60 0.00	52.21 3.31 0.00	54.18 3.41 0.00	64.09 3.97 0.00	51.57 3.37 0.00	54.04 3.70 0.00	47.67 3.16 0.00	44.87 2.93 0.00	42.09 2.69 0.00	37.97 2.40 0.00	37.97 2.32 0.00	34.33 1.91 0.00	28.44 1.94 0.00	22.92 1.40 0.00	19.66 1.13 0.00	36.25 2.21 0.00	54.01 3.46 0.00	72.87 4.88 0.00	67.04 4.41 0.00	60.35 3.93 0.00	48.48 3.02 0.00	43.41 2.59 0.00
ASTORIA_EAST_ENERGY_CC1 323581	46.47 1.52 0.00	40.63 1.41 0.00	50.67 1.77 0.00	52.54 1.77 0.00	61.84 1.71 0.00	50.12 1.93 0.00	52.47 2.14 0.00	46.30 1.79 0.00	43.57 1.62 0.00	40.89 1.49 0.00	36.73 1.16 -0.01	37.14 1.48 -0.01	33.85 1.41 -0.01	27.72 1.22 0.00	22.63 1.11 0.00	19.51 0.98 0.00	35.63 1.58 0.00	52.43 1.89 0.00	70.31 2.32 0.00	64.75 2.11 0.00	58.48 2.06 0.00	47.07 1.60 0.00	42.28 1.47 0.00
ASTORIA_EAST_ENERGY_CC2 323582	46.47 1.52 0.00	40.63 1.41 0.00	50.67 1.77 0.00	52.54 1.77 0.00	61.84 1.71 0.00	50.12 1.93 0.00	52.47 2.14 0.00	46.30 1.79 0.00	43.57 1.62 0.00	40.89 1.49 0.00	36.73 1.16 -0.01	37.14 1.47 -0.01	33.85 1.41 -0.01	27.71 1.21 0.00	22.63 1.11 0.00	19.51 0.98 0.00	35.63 1.58 0.00	52.43 1.89 0.00	70.31 2.32 0.00	64.75 2.11 0.00	58.48 2.06 0.00	47.07 1.60 0.00	42.28 1.47 0.00
ASTORIA_GT2_1 24094	46.50 1.55 0.00	40.65 1.43 0.00	50.70 1.79 0.00	52.57 1.80 0.00	61.88 1.76 0.00	50.15 1.95 0.00	52.50 2.17 0.00	46.33 1.83 0.00	43.59 1.64 0.00	40.93 1.54 0.00	36.75 1.17 -0.01	37.14 1.48 -0.01	33.85 1.42 -0.01	27.72 1.22 0.00	22.63 1.11 0.00	19.52 0.99 0.00	35.66 1.61 -0.01	52.47 1.93 0.00	70.37 2.38 0.00	64.79 2.15 0.00	58.53 2.12 0.00	47.11 1.64 0.00	42.32 1.51 0.00
ASTORIA_GT2_2 24095	46.50 1.55 0.00	40.65 1.43 0.00	50.70 1.79 0.00	52.57 1.80 0.00	61.88 1.76 0.00	50.15 1.95 0.00	52.50 2.17 0.00	46.33 1.83 0.00	43.59 1.64 0.00	40.93 1.54 0.00	36.75 1.17 -0.01	37.14 1.48 -0.01	33.85 1.42 -0.01	27.72 1.22 0.00	22.63 1.11 0.00	19.52 0.99 0.00	35.66 1.61 -0.01	52.47 1.93 0.00	70.37 2.38 0.00	64.79 2.15 0.00	58.53 2.12 0.00	47.11 1.64 0.00	42.32 1.51 0.00
ASTORIA_GT2_3 24096	46.50 1.55 0.00	40.65 1.43 0.00	50.70 1.79 0.00	52.57 1.80 0.00	61.88 1.76 0.00	50.15 1.95 0.00	52.50 2.17 0.00	46.33 1.83 0.00	43.59 1.64 0.00	40.93 1.54 0.00	36.75 1.17 -0.01	37.14 1.48 -0.01	33.85 1.42 -0.01	27.72 1.22 0.00	22.63 1.11 0.00	19.52 0.99 0.00	35.66 1.61 -0.01	52.47 1.93 0.00	70.37 2.38 0.00	64.79 2.15 0.00	58.53 2.12 0.00	47.11 1.64 0.00	42.32 1.51 0.00
ASTORIA_GT2_4 24097	46.50 1.55 0.00	40.65 1.43 0.00	50.70 1.79 0.00	52.57 1.80 0.00	61.88 1.76 0.00	50.15 1.95 0.00	52.50 2.17 0.00	46.33 1.83 0.00	43.59 1.64 0.00	40.93 1.54 0.00	36.75 1.17 -0.01	37.14 1.48 -0.01	33.85 1.42 -0.01	27.72 1.22 0.00	22.63 1.11 0.00	19.52 0.99 0.00	35.66 1.61 -0.01	52.47 1.93 0.00	70.37 2.38 0.00	64.79 2.15 0.00	58.53 2.12 0.00	47.11 1.64 0.00	42.32 1.51 0.00
ASTORIA_GT3_1 24098	46.50 1.55 0.00	40.65 1.43 0.00	50.70 1.79 0.00	52.57 1.80 0.00	61.88 1.76 0.00	50.15 1.95 0.00	52.50 2.17 0.00	46.33 1.83 0.00	43.59 1.64 0.00	40.93 1.54 0.00	36.75 1.17 -0.01	37.14 1.48 -0.01	33.85 1.42 -0.01	27.72 1.22 0.00	22.63 1.11 0.00	19.52 0.99 0.00	35.66 1.61 -0.01	52.47 1.93 0.00	70.37 2.38 0.00	64.79 2.15 0.00	58.53 2.12 0.00	47.11 1.64 0.00	42.32 1.51 0.00
ASTORIA_GT3_2 24099	46.50 1.55 0.00	40.65 1.43 0.00	50.70 1.79 0.00	52.57 1.80 0.00	61.88 1.76 0.00	50.15 1.95 0.00	52.50 2.17 0.00	46.33 1.83 0.00	43.59 1.64 0.00	40.93 1.54 0.00	36.75 1.17 -0.01	37.14 1.48 -0.01	33.85 1.42 -0.01	27.72 1.22 0.00	22.63 1.11 0.00	19.52 0.99 0.00	35.66 1.61 -0.01	52.47 1.93 0.00	70.37 2.38 0.00	64.79 2.15 0.00	58.53 2.12 0.00	47.11 1.64 0.00	42.32 1.51 0.00
ASTORIA_GT3_3 24100	46.50 1.55 0.00	40.65 1.43 0.00	50.70 1.79 0.00	52.57 1.80 0.00	61.88 1.76 0.00	50.15 1.95 0.00	52.50 2.17 0.00	46.33 1.83 0.00	43.59 1.64 0.00	40.93 1.54 0.00	36.75 1.17 -0.01	37.14 1.48 -0.01	33.85 1.42 -0.01	27.72 1.22 0.00	22.63 1.11 0.00	19.52 0.99 0.00	35.66 1.61 -0.01	52.47 1.93 0.00	70.37 2.38 0.00	64.79 2.15 0.00	58.53 2.12 0.00	47.11 1.64 0.00	42.32 1.51 0.00
ASTORIA_GT3_4 24101	46.50 1.55 0.00	40.65 1.43 0.00	50.70 1.79 0.00	52.57 1.80 0.00	61.88 1.76 0.00	50.15 1.95 0.00	52.50 2.17 0.00	46.33 1.83 0.00	43.59 1.64 0.00	40.93 1.54 0.00	36.75 1.17 -0.01	37.14 1.48 -0.01	33.85 1.42 -0.01	27.72 1.22 0.00	22.63 1.11 0.00	19.52 0.99 0.00	35.66 1.61 -0.01	52.47 1.93 0.00	70.37 2.38 0.00	64.79 2.15 0.00	58.53 2.12 0.00	47.11 1.64 0.00	42.32 1.51 0.00
ASTORIA_GT4_1 24102	46.50 1.55 0.00	40.65 1.43 0.00	50.70 1.79 0.00	52.57 1.80 0.00	61.88 1.76 0.00	50.15 1.95 0.00	52.50 2.17 0.00	46.33 1.83 0.00	43.59 1.64 0.00	40.93 1.54 0.00	36.75 1.17 -0.01	37.14 1.48 -0.01	33.85 1.42 -0.01	27.72 1.22 0.00	22.63 1.11 0.00	19.52 0.99 0.00	35.66 1.61 -0.01	52.47 1.93 0.00	70.37 2.38 0.00	64.79 2.15 0.00	58.53 2.12 0.00	47.11 1.64 0.00	42.32 1.51 0.00
ASTORIA_GT4_2 24103	46.50 1.55 0.00	40.65 1.43 0.00	50.70 1.79 0.00	52.57 1.80 0.00	61.88 1.76 0.00	50.15 1.95 0.00	52.50 2.17 0.00	46.33 1.83 0.00	43.59 1.64 0.00	40.93 1.54 0.00	36.75 1.17 -0.01	37.14 1.48 -0.01	33.85 1.42 -0.01	27.72 1.22 0.00	22.63 1.11 0.00	19.52 0.99 0.00	35.66 1.61 -0.01	52.47 1.93 0.00	70.37 2.38 0.00	64.79 2.15 0.00	58.53 2.12 0.00	47.11 1.64 0.00	42.32 1.51 0.00
ASTORIA_GT4_3 24104	46.50 1.55 0.00	40.65 1.43 0.00	50.70 1.79 0.00	52.57 1.80 0.00	61.88 1.76 0.00	50.15 1.95 0.00	52.50 2.17 0.00	46.33 1.83 0.00	43.59 1.64 0.00	40.93 1.54 0.00	36.75 1.17 -0.01	37.14 1.48 -0.01	33.85 1.42 -0.01	27.72 1.22 0.00	22.63 1.11 0.00	19.52 0.99 0.00	35.66 1.61 -0.01	52.47 1.93 0.00	70.37 2.38 0.00	64.79 2.15 0.00	58.53 2.12 0.00	47.11 1.64 0.00	42.32 1.51 0.00
ASTORIA_GT4_4	46.50	40.65	50.70	52.57	61.88	50.15	52.50	46.33	43.59	40.93	36.75	37.14	33.85	27.72	22.63	19.52	35.66	52.47	70.37	64.79	58.53	47.11	42.32

24105	1.55 0.00	1.43 0.00	1.79 0.00	1.80 0.00	1.76 0.00	1.95 0.00	2.17 0.00	1.83 0.00	1.64 0.00	1.54 0.00	1.17 -0.01	1.48 -0.01	1.42 -0.01	1.22 0.00	1.11 0.00	0.99 0.00	1.61 -0.01	1.93 0.00	2.38 0.00	2.15 0.00	2.12 0.00	1.64 0.00	1.51 0.00
ASTORIA_GT_1 23523	46.56 1.61 0.00	40.71 1.49 0.00	50.77 1.87 0.00	52.65 1.88 0.00	61.96 1.83 0.00	50.23 2.03 0.00	52.58 2.25 0.00	46.40 1.89 0.00	43.66 1.71 0.00	40.98 1.58 0.00	36.81 1.24 -0.01	37.21 1.55 -0.01	33.91 1.48 -0.01	27.76 1.26 0.00	22.67 1.15 0.00	19.55 1.02 0.00	35.70 1.65 0.00	52.55 2.00 0.00	70.46 2.47 0.00	64.89 2.25 0.00	58.60 2.19 0.00	47.16 1.70 0.00	42.37 1.55 0.00
ASTORIA_GT_10 24110	46.68 1.73 0.00	40.84 1.62 0.00	50.87 1.96 0.00	52.75 1.98 0.00	62.18 2.05 0.00	50.31 2.12 0.00	52.66 2.33 0.00	46.48 1.97 0.00	43.75 1.81 0.00	41.22 1.82 0.00	37.13 1.46 -0.10	37.36 1.69 -0.01	34.05 1.63 -0.01	27.88 1.38 0.00	22.76 1.24 0.00	19.65 1.12 0.00	35.91 1.85 -0.01	52.80 2.26 0.00	70.74 2.75 0.00	65.14 2.51 0.00	58.74 2.32 0.00	47.27 1.81 0.00	42.46 1.64 0.00
ASTORIA_GT_11 24225	46.68 1.73 0.00	40.84 1.62 0.00	50.87 1.96 0.00	52.75 1.98 0.00	62.18 2.05 0.00	50.31 2.12 0.00	52.66 2.33 0.00	46.48 1.97 0.00	43.75 1.81 0.00	41.22 1.82 0.00	37.13 1.46 -0.10	37.36 1.69 -0.01	34.05 1.63 -0.01	27.88 1.38 0.00	22.76 1.24 0.00	19.65 1.12 0.00	35.91 1.85 -0.01	52.80 2.26 0.00	70.74 2.75 0.00	65.14 2.51 0.00	58.74 2.32 0.00	47.27 1.81 0.00	42.46 1.64 0.00
ASTORIA_GT_12 24226	46.68 1.73 0.00	40.84 1.62 0.00	50.87 1.96 0.00	52.75 1.98 0.00	62.18 2.05 0.00	50.31 2.12 0.00	52.66 2.33 0.00	46.48 1.97 0.00	43.75 1.81 0.00	41.22 1.82 0.00	37.13 1.46 -0.10	37.36 1.69 -0.01	34.05 1.63 -0.01	27.88 1.38 0.00	22.76 1.24 0.00	19.65 1.12 0.00	35.91 1.85 -0.01	52.80 2.26 0.00	70.74 2.75 0.00	65.14 2.51 0.00	58.74 2.32 0.00	47.27 1.81 0.00	42.46 1.64 0.00
ASTORIA_GT_13 24227	46.68 1.73 0.00	40.84 1.62 0.00	50.87 1.96 0.00	52.75 1.98 0.00	62.18 2.05 0.00	50.31 2.12 0.00	52.66 2.33 0.00	46.48 1.97 0.00	43.75 1.81 0.00	41.22 1.82 0.00	37.13 1.46 -0.10	37.36 1.69 -0.01	34.05 1.63 -0.01	27.88 1.38 0.00	22.76 1.24 0.00	19.65 1.12 0.00	35.91 1.85 -0.01	52.80 2.26 0.00	70.74 2.75 0.00	65.14 2.51 0.00	58.74 2.32 0.00	47.27 1.81 0.00	42.46 1.64 0.00
ASTORIA_GT_5 24106	46.57 1.62 0.00	40.71 1.49 0.00	50.77 1.87 0.00	52.64 1.87 0.00	61.96 1.84 0.00	50.23 2.03 0.00	52.59 2.25 0.00	46.40 1.89 0.00	43.65 1.71 0.00	41.00 1.60 0.00	36.80 1.22 -0.01	37.20 1.54 -0.01	33.91 1.48 -0.01	27.77 1.27 0.00	22.67 1.15 0.00	19.55 1.02 0.00	35.71 1.66 -0.01	52.56 2.01 0.00	70.48 2.49 0.00	64.90 2.27 0.00	58.62 2.21 0.00	47.17 1.71 0.00	42.38 1.56 0.00
ASTORIA_GT_7 24107	46.57 1.62 0.00	40.71 1.49 0.00	50.77 1.87 0.00	52.64 1.87 0.00	61.96 1.84 0.00	50.23 2.03 0.00	52.59 2.25 0.00	46.40 1.89 0.00	43.65 1.71 0.00	41.00 1.60 0.00	36.80 1.22 -0.01	37.20 1.54 -0.01	33.91 1.48 -0.01	27.77 1.27 0.00	22.67 1.15 0.00	19.55 1.02 0.00	35.71 1.66 -0.01	52.56 2.01 0.00	70.48 2.49 0.00	64.90 2.27 0.00	58.62 2.21 0.00	47.17 1.71 0.00	42.38 1.56 0.00
ASTORIA_GT_8 24108	46.57 1.62 0.00	40.71 1.49 0.00	50.77 1.87 0.00	52.64 1.87 0.00	61.96 1.84 0.00	50.23 2.03 0.00	52.59 2.25 0.00	46.40 1.89 0.00	43.65 1.71 0.00	41.00 1.60 0.00	36.80 1.22 -0.01	37.20 1.54 -0.01	33.91 1.48 -0.01	27.77 1.27 0.00	22.67 1.15 0.00	19.55 1.02 0.00	35.71 1.66 -0.01	52.56 2.01 0.00	70.48 2.49 0.00	64.90 2.27 0.00	58.62 2.21 0.00	47.17 1.71 0.00	42.38 1.56 0.00
ASTORIA___2 24149	46.50 1.55 0.00	40.65 1.43 0.00	50.69 1.79 0.00	52.57 1.80 0.00	61.88 1.75 0.00	50.15 1.95 0.00	52.50 2.17 0.00	46.33 1.82 0.00	43.59 1.64 0.00	40.92 1.52 0.00	36.76 1.18 -0.01	37.14 1.48 -0.01	33.86 1.43 -0.01	27.72 1.22 0.00	22.63 1.12 0.00	19.53 1.00 0.00	35.65 1.60 0.00	52.46 1.92 0.00	70.34 2.35 0.00	64.78 2.15 0.00	58.51 2.09 0.00	47.09 1.63 0.00	42.31 1.50 0.00
ASTORIA___3 23516	46.68 1.73 0.00	40.85 1.63 0.00	50.86 1.96 0.00	52.75 1.98 0.00	62.18 2.05 0.00	50.31 2.11 0.00	52.65 2.32 0.00	46.47 1.96 0.00	43.75 1.81 0.00	41.19 1.80 0.00	37.12 1.45 -0.10	37.35 1.69 -0.01	34.05 1.62 -0.01	27.88 1.37 0.00	22.77 1.25 0.00	19.66 1.12 0.00	35.90 1.85 -0.01	52.79 2.24 0.00	70.74 2.75 0.00	65.13 2.50 0.00	58.73 2.31 0.00	47.26 1.80 0.00	42.45 1.63 0.00
ASTORIA___4 23517	46.68 1.73 0.00	40.84 1.62 0.00	50.87 1.96 0.00	52.75 1.98 0.00	62.18 2.05 0.00	50.31 2.12 0.00	52.66 2.33 0.00	46.48 1.97 0.00	43.75 1.81 0.00	41.22 1.82 0.00	37.13 1.46 -0.10	37.36 1.69 -0.01	34.05 1.63 -0.01	27.88 1.38 0.00	22.76 1.24 0.00	19.65 1.12 0.00	35.91 1.85 -0.01	52.80 2.26 0.00	70.74 2.75 0.00	65.14 2.51 0.00	58.74 2.32 0.00	47.27 1.81 0.00	42.46 1.64 0.00
ASTORIA___5 23518	46.68 1.73 0.00	40.85 1.63 0.00	50.86 1.96 0.00	52.75 1.98 0.00	62.18 2.05 0.00	50.31 2.11 0.00	52.65 2.32 0.00	46.47 1.96 0.00	43.75 1.81 0.00	41.19 1.80 0.00	37.12 1.45 -0.10	37.35 1.69 -0.01	34.05 1.62 -0.01	27.88 1.37 0.00	22.77 1.25 0.00	19.66 1.12 0.00	35.90 1.85 -0.01	52.79 2.24 0.00	70.74 2.75 0.00	65.13 2.50 0.00	58.73 2.31 0.00	47.26 1.80 0.00	42.45 1.63 0.00
AST_ENERGY_2_CC3 323677	46.60 1.65 0.00	40.70 1.48 0.00	50.76 1.86 0.00	52.63 1.86 0.00	62.12 2.00 0.00	50.22 2.02 0.00	52.54 2.21 0.00	46.36 1.86 0.00	43.66 1.71 0.00	41.10 1.71 0.00	36.87 1.30 0.00	37.17 1.52 0.00	33.90 1.47 0.00	27.75 1.25 0.00	22.66 1.14 0.00	19.56 1.03 0.00	35.73 1.69 0.00	52.69 2.15 0.00	70.58 2.59 0.00	65.00 2.37 0.00	58.58 2.16 0.00	47.16 1.70 0.00	42.35 1.54 0.00
AST_ENERGY_2_CC4 323678	46.60 1.65 0.00	40.70 1.48 0.00	50.76 1.86 0.00	52.63 1.86 0.00	62.12 2.00 0.00	50.22 2.02 0.00	52.54 2.21 0.00	46.36 1.86 0.00	43.66 1.71 0.00	41.10 1.71 0.00	36.87 1.30 0.00	37.17 1.52 0.00	33.90 1.47 0.00	27.75 1.25 0.00	22.66 1.14 0.00	19.56 1.03 0.00	35.73 1.69 0.00	52.69 2.15 0.00	70.58 2.59 0.00	65.00 2.37 0.00	58.58 2.16 0.00	47.16 1.70 0.00	42.35 1.54 0.00
ATHENS_STG_1	46.07	40.21	50.17	52.04	61.51	49.45	51.77	45.71	42.97	40.38	36.38	36.56	33.30	27.28	22.20	19.15	35.10	51.85	69.59	64.09	57.78	46.55	41.79

23668	1.12 0.00	0.99 0.00	1.27 0.00	1.27 0.00	1.38 0.00	1.25 0.00	1.44 0.00	1.21 0.00	1.02 0.00	0.98 0.00	0.81 0.00	0.91 0.00	0.88 0.00	0.78 0.00	0.68 0.00	0.62 0.00	1.05 0.00	1.31 0.00	1.61 0.00	1.46 0.00	1.36 0.00	1.09 0.00	0.97 0.00
ATHENS_STG_2 23670	46.07 1.12 0.00	40.21 0.99 0.00	50.17 1.27 0.00	52.04 1.27 0.00	61.51 1.38 0.00	49.45 1.25 0.00	51.77 1.44 0.00	45.71 1.21 0.00	42.97 1.02 0.00	40.38 0.98 0.00	36.38 0.81 0.00	36.56 0.91 0.00	33.30 0.88 0.00	27.28 0.78 0.00	22.20 0.68 0.00	19.15 0.62 0.00	35.10 1.05 0.00	51.85 1.31 0.00	69.59 1.61 0.00	64.09 1.46 0.00	57.78 1.36 0.00	46.55 1.09 0.00	41.79 0.97 0.00
ATHENS_STG_3 23677	46.07 1.12 0.00	40.21 0.99 0.00	50.17 1.27 0.00	52.04 1.27 0.00	61.51 1.38 0.00	49.45 1.25 0.00	51.77 1.44 0.00	45.71 1.21 0.00	42.97 1.02 0.00	40.38 0.98 0.00	36.38 0.81 0.00	36.56 0.91 0.00	33.30 0.88 0.00	27.28 0.78 0.00	22.20 0.68 0.00	19.15 0.62 0.00	35.10 1.05 0.00	51.85 1.31 0.00	69.59 1.61 0.00	64.09 1.46 0.00	57.78 1.36 0.00	46.55 1.09 0.00	41.79 0.97 0.00
AUBURN____LFGE 323710	44.44 -0.51 0.00	38.79 -0.43 0.00	48.28 -0.62 0.00	50.25 -0.52 0.00	59.54 -0.58 0.00	47.56 -0.64 0.00	49.49 -0.84 0.00	43.51 -0.99 0.00	41.20 -0.74 0.00	38.54 -0.85 0.00	34.78 -0.79 0.00	34.84 -0.82 0.00	31.49 -0.93 0.00	25.53 -0.97 0.00	20.78 -0.74 0.00	17.89 -0.64 0.00	33.17 -0.88 0.00	49.80 -0.75 0.00	67.14 -0.85 0.00	61.69 -0.95 0.00	55.46 -0.96 0.00	44.64 -0.83 0.00	40.04 -0.77 0.00
BABYLON_RES_REC 323704	47.25 2.30 0.00	41.17 1.95 0.00	51.33 2.43 0.00	53.15 2.38 0.00	62.75 2.63 0.00	50.71 2.51 0.00	52.82 2.49 0.00	46.61 2.11 0.00	43.86 1.92 0.00	41.35 1.96 0.00	36.92 1.35 0.00	37.11 1.46 0.00	33.83 1.41 0.00	27.60 1.10 0.00	22.66 1.14 0.00	19.69 1.16 0.00	36.08 2.03 0.00	53.36 2.82 0.00	70.80 2.81 0.00	65.52 2.89 0.00	59.34 2.92 0.00	47.86 2.39 0.00	43.05 2.23 0.00
BABYLON__69_KV_BK2 356345	47.69 2.74 0.00	41.53 2.31 0.00	51.78 2.88 0.00	53.62 2.85 0.00	63.34 3.22 0.00	51.17 2.97 0.00	53.27 2.94 0.00	47.01 2.51 0.00	44.25 2.30 0.00	41.73 2.33 0.00	37.25 1.68 0.00	37.42 1.77 0.00	34.10 1.68 0.00	27.80 1.30 0.00	22.84 1.32 0.00	19.87 1.34 0.00	36.44 2.39 0.00	53.95 3.40 0.00	71.35 3.37 0.00	66.05 3.42 0.00	59.95 3.53 0.00	48.32 2.86 0.00	43.46 2.64 0.00
BALL_HILL_WT_PWR 323825	42.91 -2.04 0.00	37.39 -1.83 0.00	46.98 -1.92 0.00	48.67 -2.10 0.00	57.37 -2.75 0.00	45.00 -3.20 0.00	46.30 -4.03 0.00	40.90 -3.61 0.00	36.13 -3.19 2.62	31.69 -3.33 4.37	28.79 -2.72 4.06	28.96 -2.64 4.05	26.00 -2.62 3.80	21.01 -2.24 3.26	16.85 -1.74 2.93	14.32 -1.53 2.68	27.89 -2.86 3.30	40.30 -4.00 6.25	55.40 -4.86 7.73	51.15 -4.56 6.92	45.36 -4.61 6.44	36.33 -3.67 5.46	32.64 -3.27 4.92
BARON_WINDS____WT_PWR 323822	42.05 -2.90 0.00	36.76 -2.46 0.00	46.19 -2.71 0.00	48.14 -2.63 0.00	57.20 -2.93 0.00	44.93 -3.26 0.00	46.44 -3.90 0.00	41.08 -3.43 0.00	1.86 -3.22 36.87	-25.77 -3.54 61.62	-25.00 -3.39 57.18	-24.97 -3.50 57.12	-24.61 -3.41 53.63	-22.25 -2.85 45.91	-22.02 -2.24 41.30	-21.10 -1.90 37.73	-15.75 -3.22 46.58	-41.58 -3.98 88.15	-49.02 -4.61 112.40	-45.00 -4.40 103.24	-44.14 -4.35 96.21	-39.79 -3.68 81.57	-36.06 -3.51 73.37
BARRETT_IC_1 23704	46.89 1.94 0.00	40.92 1.70 0.00	50.99 2.09 0.00	52.78 2.01 0.00	62.26 2.14 0.00	50.30 2.10 0.00	52.50 2.17 0.00	46.35 1.84 0.00	43.64 1.69 0.00	41.18 1.78 0.00	36.83 1.26 0.00	37.05 1.40 0.00	33.78 1.36 0.00	27.59 1.09 0.00	22.63 1.11 0.00	19.60 1.07 0.00	35.82 1.77 0.00	52.80 2.26 0.00	70.25 2.26 0.00	64.98 2.34 0.00	58.80 2.38 0.00	47.46 2.00 0.00	42.72 1.90 0.00
BARRETT_IC_10 23701	46.89 1.94 0.00	40.92 1.70 0.00	50.99 2.09 0.00	52.78 2.01 0.00	62.26 2.14 0.00	50.30 2.10 0.00	52.50 2.17 0.00	46.35 1.84 0.00	43.64 1.69 0.00	41.18 1.78 0.00	36.83 1.26 0.00	37.05 1.40 0.00	33.78 1.36 0.00	27.59 1.09 0.00	22.63 1.11 0.00	19.60 1.07 0.00	35.82 1.77 0.00	52.80 2.26 0.00	70.25 2.26 0.00	64.98 2.34 0.00	58.80 2.38 0.00	47.46 2.00 0.00	42.72 1.90 0.00
BARRETT_IC_11 23702	46.89 1.94 0.00	40.92 1.70 0.00	50.99 2.09 0.00	52.78 2.01 0.00	62.26 2.14 0.00	50.30 2.10 0.00	52.50 2.17 0.00	46.35 1.84 0.00	43.64 1.69 0.00	41.18 1.78 0.00	36.83 1.26 0.00	37.05 1.40 0.00	33.78 1.36 0.00	27.59 1.09 0.00	22.63 1.11 0.00	19.60 1.07 0.00	35.82 1.77 0.00	52.80 2.26 0.00	70.25 2.26 0.00	64.98 2.34 0.00	58.80 2.38 0.00	47.46 2.00 0.00	42.72 1.90 0.00
BARRETT_IC_12 23703	46.89 1.94 0.00	40.92 1.70 0.00	50.99 2.09 0.00	52.78 2.01 0.00	62.26 2.14 0.00	50.30 2.10 0.00	52.50 2.17 0.00	46.35 1.84 0.00	43.64 1.69 0.00	41.18 1.78 0.00	36.83 1.26 0.00	37.05 1.40 0.00	33.78 1.36 0.00	27.59 1.09 0.00	22.63 1.11 0.00	19.60 1.07 0.00	35.82 1.77 0.00	52.80 2.26 0.00	70.25 2.26 0.00	64.98 2.34 0.00	58.80 2.38 0.00	47.46 2.00 0.00	42.72 1.90 0.00
BARRETT_IC_2 23705	46.89 1.94 0.00	40.92 1.70 0.00	50.99 2.09 0.00	52.78 2.01 0.00	62.26 2.14 0.00	50.30 2.10 0.00	52.50 2.17 0.00	46.35 1.84 0.00	43.64 1.69 0.00	41.18 1.78 0.00	36.83 1.26 0.00	37.05 1.40 0.00	33.78 1.36 0.00	27.59 1.09 0.00	22.63 1.11 0.00	19.60 1.07 0.00	35.82 1.77 0.00	52.80 2.26 0.00	70.25 2.26 0.00	64.98 2.34 0.00	58.80 2.38 0.00	47.46 2.00 0.00	42.72 1.90 0.00
BARRETT_IC_3 23706	46.89 1.94 0.00	40.92 1.70 0.00	50.99 2.09 0.00	52.78 2.01 0.00	62.26 2.14 0.00	50.30 2.10 0.00	52.50 2.17 0.00	46.35 1.84 0.00	43.64 1.69 0.00	41.18 1.78 0.00	36.83 1.26 0.00	37.05 1.40 0.00	33.78 1.36 0.00	27.59 1.09 0.00	22.63 1.11 0.00	19.60 1.07 0.00	35.82 1.77 0.00	52.80 2.26 0.00	70.25 2.26 0.00	64.98 2.34 0.00	58.80 2.38 0.00	47.46 2.00 0.00	42.72 1.90 0.00
BARRETT_IC_4 23707	46.89 1.94 0.00	40.92 1.70 0.00	50.99 2.09 0.00	52.78 2.01 0.00	62.26 2.14 0.00	50.30 2.10 0.00	52.50 2.17 0.00	46.35 1.84 0.00	43.64 1.69 0.00	41.18 1.78 0.00	36.83 1.26 0.00	37.05 1.40 0.00	33.78 1.36 0.00	27.59 1.09 0.00	22.63 1.11 0.00	19.60 1.07 0.00	35.82 1.77 0.00	52.80 2.26 0.00	70.25 2.26 0.00	64.98 2.34 0.00	58.80 2.38 0.00	47.46 2.00 0.00	42.72 1.90 0.00
BARRETT_IC_5	46.89	40.92	50.99	52.78	62.26	50.30	52.50	46.35	43.64	41.18	36.83	37.05	33.78	27.59	22.63	19.60	35.82	52.80	70.25	64.98	58.80	47.46	42.72

23708	1.94 0.00	1.70 0.00	2.09 0.00	2.01 0.00	2.14 0.00	2.10 0.00	2.17 0.00	1.84 0.00	1.69 0.00	1.78 0.00	1.26 0.00	1.40 0.00	1.36 0.00	1.09 0.00	1.11 0.00	1.07 0.00	1.77 0.00	2.26 0.00	2.26 0.00	2.34 0.00	2.38 0.00	2.00 0.00	1.90 0.00
BARRETT_IC_6 23709	46.89 1.94 0.00	40.92 1.70 0.00	50.99 2.09 0.00	52.78 2.01 0.00	62.26 2.14 0.00	50.30 2.10 0.00	52.50 2.17 0.00	46.35 1.84 0.00	43.64 1.69 0.00	41.18 1.78 0.00	36.83 1.26 0.00	37.05 1.40 0.00	33.78 1.36 0.00	27.59 1.09 0.00	22.63 1.11 0.00	19.60 1.07 0.00	35.82 1.77 0.00	52.80 2.26 0.00	70.25 2.26 0.00	64.98 2.34 0.00	58.80 2.38 0.00	47.46 2.00 0.00	42.72 1.90 0.00
BARRETT_IC_7 23710	46.89 1.94 0.00	40.92 1.70 0.00	50.99 2.09 0.00	52.78 2.01 0.00	62.26 2.14 0.00	50.29 2.10 0.00	52.50 2.17 0.00	46.35 1.84 0.00	43.64 1.69 0.00	41.19 1.79 0.00	36.84 1.27 0.00	37.05 1.40 0.00	33.79 1.37 0.00	27.60 1.09 0.00	22.63 1.11 0.00	19.60 1.07 0.00	35.82 1.78 0.00	52.82 2.28 0.00	70.27 2.29 0.00	65.00 2.37 0.00	58.80 2.38 0.00	47.47 2.00 0.00	42.72 1.90 0.00
BARRETT_IC_8 23711	46.89 1.94 0.00	40.92 1.70 0.00	50.99 2.09 0.00	52.78 2.01 0.00	62.26 2.14 0.00	50.30 2.10 0.00	52.50 2.17 0.00	46.35 1.84 0.00	43.64 1.69 0.00	41.18 1.78 0.00	36.83 1.26 0.00	37.05 1.40 0.00	33.78 1.36 0.00	27.59 1.09 0.00	22.63 1.11 0.00	19.60 1.07 0.00	35.82 1.77 0.00	52.80 2.26 0.00	70.25 2.26 0.00	64.98 2.34 0.00	58.80 2.38 0.00	47.46 2.00 0.00	42.72 1.90 0.00
BARRETT_IC_9 23700	46.89 1.94 0.00	40.92 1.70 0.00	50.99 2.09 0.00	52.78 2.01 0.00	62.26 2.14 0.00	50.30 2.10 0.00	52.50 2.17 0.00	46.35 1.84 0.00	43.64 1.69 0.00	41.18 1.78 0.00	36.83 1.26 0.00	37.05 1.40 0.00	33.78 1.36 0.00	27.59 1.09 0.00	22.63 1.11 0.00	19.60 1.07 0.00	35.82 1.77 0.00	52.80 2.26 0.00	70.25 2.26 0.00	64.98 2.34 0.00	58.80 2.38 0.00	47.46 2.00 0.00	42.72 1.90 0.00
BARRETT___1 23545	46.89 1.94 0.00	40.92 1.70 0.00	50.99 2.09 0.00	52.78 2.01 0.00	62.26 2.14 0.00	50.30 2.10 0.00	52.50 2.17 0.00	46.35 1.84 0.00	43.64 1.69 0.00	41.18 1.78 0.00	36.83 1.26 0.00	37.05 1.40 0.00	33.78 1.36 0.00	27.59 1.09 0.00	22.63 1.11 0.00	19.60 1.07 0.00	35.82 1.77 0.00	52.80 2.26 0.00	70.25 2.26 0.00	64.98 2.34 0.00	58.80 2.38 0.00	47.46 2.00 0.00	42.72 1.90 0.00
BARRETT___2 23546	46.89 1.94 0.00	40.92 1.70 0.00	50.99 2.09 0.00	52.78 2.01 0.00	62.26 2.14 0.00	50.30 2.10 0.00	52.50 2.17 0.00	46.35 1.84 0.00	43.64 1.69 0.00	41.18 1.78 0.00	36.83 1.26 0.00	37.05 1.40 0.00	33.78 1.36 0.00	27.59 1.09 0.00	22.63 1.11 0.00	19.60 1.07 0.00	35.82 1.77 0.00	52.80 2.26 0.00	70.25 2.26 0.00	64.98 2.34 0.00	58.80 2.38 0.00	47.46 2.00 0.00	42.72 1.90 0.00
BATAVIA___115KV_TB1 55881	43.67 -1.28 0.00	37.97 -1.25 0.00	47.49 -1.42 0.00	49.22 -1.55 0.00	58.18 -1.95 0.00	45.74 -2.46 0.00	47.21 -3.13 0.00	41.69 -2.82 0.00	36.50 -2.64 2.81	31.85 -2.85 4.70	29.15 -2.06 4.36	29.47 -1.82 4.36	25.69 -2.64 4.09	20.70 -2.30 3.50	16.54 -1.83 3.15	14.09 -1.56 2.88	28.08 -2.42 3.55	40.74 -3.08 6.72	55.56 -3.85 8.58	51.21 -3.53 7.89	45.41 -3.65 7.36	36.34 -2.89 6.24	32.73 -2.48 5.61
BAYONEEC___CTG1 323682	46.51 1.56 0.00	40.63 1.41 0.00	50.67 1.77 0.00	52.53 1.76 0.00	62.01 1.89 0.00	50.12 1.92 0.00	52.44 2.11 0.00	46.28 1.77 0.00	43.57 1.63 0.00	41.02 1.63 0.00	36.80 1.23 0.00	37.08 1.42 0.00	33.82 1.39 0.00	27.69 1.20 0.00	22.62 1.10 0.00	19.53 1.00 0.00	35.66 1.61 0.00	52.58 2.03 0.00	70.44 2.46 0.00	64.86 2.22 0.00	58.46 2.04 0.00	47.08 1.61 0.00	42.29 1.47 0.00
BAYONEEC___CTG10 323750	46.51 1.56 0.00	40.63 1.41 0.00	50.67 1.77 0.00	52.53 1.76 0.00	62.01 1.89 0.00	50.12 1.92 0.00	52.44 2.11 0.00	46.28 1.77 0.00	43.57 1.63 0.00	41.02 1.63 0.00	36.80 1.23 0.00	37.08 1.42 0.00	33.82 1.39 0.00	27.69 1.20 0.00	22.62 1.10 0.00	19.53 1.00 0.00	35.66 1.61 0.00	52.58 2.03 0.00	70.44 2.46 0.00	64.86 2.22 0.00	58.46 2.04 0.00	47.08 1.61 0.00	42.29 1.47 0.00
BAYONEEC___CTG2 323683	46.51 1.56 0.00	40.63 1.41 0.00	50.67 1.77 0.00	52.53 1.76 0.00	62.01 1.89 0.00	50.12 1.92 0.00	52.44 2.11 0.00	46.28 1.77 0.00	43.57 1.63 0.00	41.02 1.63 0.00	36.80 1.23 0.00	37.08 1.42 0.00	33.82 1.39 0.00	27.69 1.20 0.00	22.62 1.10 0.00	19.53 1.00 0.00	35.66 1.61 0.00	52.58 2.03 0.00	70.44 2.46 0.00	64.86 2.22 0.00	58.46 2.04 0.00	47.08 1.61 0.00	42.29 1.47 0.00
BAYONEEC___CTG3 323684	46.51 1.56 0.00	40.63 1.41 0.00	50.67 1.77 0.00	52.53 1.76 0.00	62.01 1.89 0.00	50.12 1.92 0.00	52.44 2.11 0.00	46.28 1.77 0.00	43.57 1.63 0.00	41.02 1.63 0.00	36.80 1.23 0.00	37.08 1.42 0.00	33.82 1.39 0.00	27.69 1.20 0.00	22.62 1.10 0.00	19.53 1.00 0.00	35.66 1.61 0.00	52.58 2.03 0.00	70.44 2.46 0.00	64.86 2.22 0.00	58.46 2.04 0.00	47.08 1.61 0.00	42.29 1.47 0.00
BAYONEEC___CTG4 323685	46.51 1.56 0.00	40.63 1.41 0.00	50.67 1.77 0.00	52.53 1.76 0.00	62.01 1.89 0.00	50.12 1.92 0.00	52.44 2.11 0.00	46.28 1.77 0.00	43.57 1.63 0.00	41.02 1.63 0.00	36.80 1.23 0.00	37.08 1.42 0.00	33.82 1.39 0.00	27.69 1.20 0.00	22.62 1.10 0.00	19.53 1.00 0.00	35.66 1.61 0.00	52.58 2.03 0.00	70.44 2.46 0.00	64.86 2.22 0.00	58.46 2.04 0.00	47.08 1.61 0.00	42.29 1.47 0.00
BAYONEEC___CTG5 323686	46.51 1.56 0.00	40.63 1.41 0.00	50.67 1.77 0.00	52.53 1.76 0.00	62.01 1.89 0.00	50.12 1.92 0.00	52.44 2.11 0.00	46.28 1.77 0.00	43.57 1.63 0.00	41.02 1.63 0.00	36.80 1.23 0.00	37.08 1.42 0.00	33.82 1.39 0.00	27.69 1.20 0.00	22.62 1.10 0.00	19.53 1.00 0.00	35.66 1.61 0.00	52.58 2.03 0.00	70.44 2.46 0.00	64.86 2.22 0.00	58.46 2.04 0.00	47.08 1.61 0.00	42.29 1.47 0.00
BAYONEEC___CTG6 323687	46.51 1.56 0.00	40.63 1.41 0.00	50.67 1.77 0.00	52.53 1.76 0.00	62.01 1.89 0.00	50.12 1.92 0.00	52.44 2.11 0.00	46.28 1.77 0.00	43.57 1.63 0.00	41.02 1.63 0.00	36.80 1.23 0.00	37.08 1.42 0.00	33.82 1.39 0.00	27.69 1.20 0.00	22.62 1.10 0.00	19.53 1.00 0.00	35.66 1.61 0.00	52.58 2.03 0.00	70.44 2.46 0.00	64.86 2.22 0.00	58.46 2.04 0.00	47.08 1.61 0.00	42.29 1.47 0.00
BAYONEEC___CTG7	46.51	40.63	50.67	52.53	62.01	50.12	52.44	46.28	43.57	41.02	36.80	37.08	33.82	27.69	22.62	19.53	35.66	52.58	70.44	64.86	58.46	47.08	42.29

323688	1.56 0.00	1.41 0.00	1.77 0.00	1.76 0.00	1.89 0.00	1.92 0.00	2.11 0.00	1.77 0.00	1.63 0.00	1.63 0.00	1.23 0.00	1.42 0.00	1.39 0.00	1.20 0.00	1.10 0.00	1.00 0.00	1.61 0.00	2.03 0.00	2.46 0.00	2.22 0.00	2.04 0.00	1.61 0.00	1.47 0.00
BAYONEEC___CTG8 323689	46.51 1.56 0.00	40.63 1.41 0.00	50.67 1.77 0.00	52.53 1.76 0.00	62.01 1.89 0.00	50.12 1.92 0.00	52.44 2.11 0.00	46.28 1.77 0.00	43.57 1.63 0.00	41.02 1.63 0.00	36.80 1.23 0.00	37.08 1.42 0.00	33.82 1.39 0.00	27.69 1.20 0.00	22.62 1.10 0.00	19.53 1.00 0.00	35.66 1.61 0.00	52.58 2.03 0.00	70.44 2.46 0.00	64.86 2.22 0.00	58.46 2.04 0.00	47.08 1.61 0.00	42.29 1.47 0.00
BAYONEEC___CTG9 323749	46.51 1.56 0.00	40.63 1.41 0.00	50.67 1.77 0.00	52.53 1.76 0.00	62.01 1.89 0.00	50.12 1.92 0.00	52.44 2.11 0.00	46.28 1.77 0.00	43.57 1.63 0.00	41.02 1.63 0.00	36.80 1.23 0.00	37.08 1.42 0.00	33.82 1.39 0.00	27.69 1.20 0.00	22.62 1.10 0.00	19.53 1.00 0.00	35.66 1.61 0.00	52.58 2.03 0.00	70.44 2.46 0.00	64.86 2.22 0.00	58.46 2.04 0.00	47.08 1.61 0.00	42.29 1.47 0.00
BEACON___LESR 323632	47.00 2.05 0.00	40.92 1.70 0.00	51.16 2.26 0.00	52.93 2.16 0.00	62.78 2.65 0.00	50.33 2.13 0.00	52.78 2.45 0.00	46.56 2.05 0.00	43.72 1.77 0.00	41.09 1.69 0.00	37.10 1.53 0.00	37.21 1.56 0.00	33.85 1.43 0.00	27.76 1.26 0.00	22.54 1.02 0.00	19.42 0.89 0.00	35.82 1.77 0.00	52.97 2.42 0.00	71.10 3.11 0.00	65.44 2.80 0.00	58.97 2.55 0.00	47.40 1.93 0.00	42.45 1.63 0.00
BEAVER RIVER___HYD 24048	44.27 -0.68 0.00	38.47 -0.75 0.00	47.90 -1.01 0.00	49.71 -1.06 0.00	59.11 -1.01 0.00	47.68 -0.52 0.00	49.93 -0.40 0.00	44.06 -0.45 0.00	41.50 -0.45 0.00	39.14 -0.26 0.00	35.24 -0.33 0.00	34.87 -0.78 0.00	31.44 -0.98 0.00	25.28 -1.22 0.00	20.50 -1.02 0.00	17.70 -0.82 0.00	32.76 -1.28 0.00	49.83 -0.72 0.00	67.45 -0.54 0.00	62.54 -0.09 0.00	56.78 0.36 0.00	46.35 0.88 0.00	40.92 0.11 0.00
BEEBEE_GT_13 23619	43.34 -1.61 0.00	37.76 -1.46 0.00	47.17 -1.73 0.00	48.90 -1.87 0.00	57.82 -2.30 0.00	45.74 -2.46 0.00	47.39 -2.94 0.00	41.85 -2.66 0.00	39.63 -2.31 0.00	37.12 -2.28 0.00	33.73 -1.83 0.00	33.57 -2.08 0.00	30.39 -2.03 0.00	24.77 -1.73 0.00	20.15 -1.36 0.00	17.37 -1.16 0.00	32.07 -1.98 0.00	47.76 -2.78 0.00	64.41 -3.58 0.00	59.31 -3.32 0.00	53.09 -3.33 0.00	42.83 -2.64 0.00	38.55 -2.27 0.00
BENSHRST_27_KV_BENSHRST_1 355998	60.52 2.35 -13.23	60.38 2.12 -19.04	59.19 2.61 -7.67	59.19 2.65 -5.76	62.94 2.75 -0.07	60.11 2.72 -9.20	59.70 2.97 -6.40	60.60 2.55 -13.54	59.88 2.36 -15.57	60.60 2.36 -18.85	59.26 1.94 -21.75	59.29 2.18 -21.45	58.80 2.07 -24.30	58.76 1.74 -30.52	58.85 1.54 -35.79	60.20 1.37 -40.29	60.52 2.33 -24.14	60.90 2.98 -7.38	71.71 3.72 0.00	66.02 3.38 0.00	62.94 3.11 -3.41	60.55 2.44 -12.64	62.25 2.19 -19.24
BETHLEHEM___GRP 23843	46.45 1.50 0.00	40.53 1.31 0.00	50.61 1.70 0.00	52.53 1.76 0.00	62.05 1.93 0.00	49.82 1.62 0.00	52.18 1.85 0.00	46.07 1.57 0.00	43.27 1.33 0.00	40.66 1.26 0.00	36.67 1.10 0.00	36.83 1.17 0.00	33.54 1.12 0.00	27.51 1.01 0.00	22.35 0.83 0.00	19.25 0.72 0.00	35.38 1.33 0.00	52.25 1.70 0.00	70.13 2.14 0.00	64.57 1.93 0.00	58.22 1.80 0.00	46.92 1.46 0.00	42.10 1.28 0.00
BETHLEHEM___GS1 323560	46.45 1.50 0.00	40.53 1.31 0.00	50.61 1.70 0.00	52.53 1.76 0.00	62.05 1.93 0.00	49.82 1.62 0.00	52.18 1.85 0.00	46.07 1.56 0.00	43.27 1.32 0.00	40.66 1.26 0.00	36.67 1.10 0.00	36.82 1.17 0.00	33.54 1.12 0.00	27.51 1.01 0.00	22.34 0.83 0.00	19.25 0.72 0.00	35.37 1.33 0.00	52.24 1.69 0.00	70.12 2.14 0.00	64.57 1.93 0.00	58.22 1.80 0.00	46.92 1.45 0.00	42.10 1.29 0.00
BETHLEHEM___GS2 323561	46.45 1.50 0.00	40.53 1.31 0.00	50.61 1.70 0.00	52.53 1.76 0.00	62.05 1.93 0.00	49.82 1.62 0.00	52.18 1.85 0.00	46.07 1.56 0.00	43.27 1.32 0.00	40.66 1.26 0.00	36.67 1.10 0.00	36.82 1.17 0.00	33.54 1.12 0.00	27.51 1.01 0.00	22.34 0.83 0.00	19.25 0.72 0.00	35.37 1.33 0.00	52.24 1.69 0.00	70.12 2.14 0.00	64.57 1.93 0.00	58.22 1.80 0.00	46.92 1.45 0.00	42.10 1.29 0.00
BETHLEHEM___GS3 323562	46.45 1.50 0.00	40.53 1.31 0.00	50.61 1.70 0.00	52.53 1.76 0.00	62.05 1.93 0.00	49.82 1.62 0.00	52.18 1.85 0.00	46.07 1.56 0.00	43.27 1.32 0.00	40.66 1.26 0.00	36.67 1.10 0.00	36.82 1.17 0.00	33.54 1.12 0.00	27.51 1.01 0.00	22.34 0.83 0.00	19.25 0.72 0.00	35.37 1.33 0.00	52.24 1.69 0.00	70.12 2.14 0.00	64.57 1.93 0.00	58.22 1.80 0.00	46.92 1.45 0.00	42.10 1.29 0.00
BETHLEHEM___STEEL 23779	43.18 -1.77 0.00	37.58 -1.64 0.00	47.08 -1.82 0.00	48.78 -1.99 0.00	57.64 -2.49 0.00	45.16 -3.04 0.00	46.44 -3.89 0.00	41.00 -3.51 0.00	36.18 -3.00 2.77	31.66 -3.12 4.63	28.75 -2.52 4.29	28.83 -2.53 4.29	25.84 -2.56 4.03	20.87 -2.18 3.44	16.74 -1.68 3.10	14.23 -1.47 2.83	27.88 -2.67 3.50	40.00 -3.93 6.61	54.46 -5.07 8.46	50.24 -4.62 7.78	44.58 -4.59 7.25	35.72 -3.60 6.15	32.24 -3.05 5.53
BETHLHEM_115KV_TB1 79974	46.37 1.42 0.00	40.46 1.25 0.00	50.52 1.62 0.00	52.44 1.67 0.00	61.95 1.83 0.00	49.74 1.55 0.00	52.09 1.75 0.00	46.00 1.49 0.00	43.21 1.26 0.00	40.59 1.20 0.00	36.60 1.04 0.00	36.76 1.11 0.00	33.48 1.06 0.00	27.46 0.96 0.00	22.30 0.78 0.00	19.22 0.69 0.00	35.31 1.26 0.00	52.17 1.62 0.00	70.03 2.04 0.00	64.46 1.83 0.00	58.13 1.71 0.00	46.84 1.38 0.00	42.04 1.22 0.00
BETHPAGE_CC_5 323564	47.13 2.18 0.00	41.08 1.86 0.00	51.20 2.30 0.00	53.03 2.26 0.00	62.63 2.50 0.00	50.59 2.39 0.00	52.74 2.41 0.00	46.56 2.05 0.00	43.85 1.91 0.00	41.35 1.96 0.00	36.97 1.40 0.00	37.17 1.52 0.00	33.88 1.45 0.00	27.65 1.15 0.00	22.69 1.17 0.00	19.69 1.16 0.00	36.02 1.97 0.00	53.24 2.69 0.00	70.71 2.72 0.00	65.40 2.77 0.00	59.19 2.77 0.00	47.73 2.26 0.00	42.92 2.11 0.00
BIGTREE_115_KV_TB2_REV_LBMP_A 345034	43.36 -1.59 0.00	37.74 -1.48 0.00	47.32 -1.58 0.00	49.02 -1.76 0.00	57.91 -2.22 0.00	45.37 -2.83 0.00	46.68 -3.65 0.00	41.20 -3.31 0.00	36.55 -2.82 2.57	32.11 -2.99 4.30	29.16 -2.42 3.99	29.24 -2.43 3.99	26.22 -2.46 3.74	21.19 -2.10 3.20	17.02 -1.62 2.88	14.49 -1.41 2.63	28.26 -2.54 3.25	40.66 -3.74 6.15	55.36 -4.76 7.86	51.08 -4.32 7.23	45.34 -4.34 6.74	36.31 -3.44 5.71	32.75 -2.92 5.14
BINGHAMTON___COGEN	44.45	38.80	48.51	50.31	59.64	47.55	49.48	43.68	41.19	38.56	34.80	34.88	31.60	25.78	20.98	18.08	33.33	49.71	67.03	61.72	55.45	44.62	39.95

23790	-0.50 0.00	-0.42 0.00	-0.39 0.00	-0.46 0.00	-0.48 0.00	-0.65 0.00	-0.85 0.00	-0.83 0.00	-0.75 0.00	-0.83 0.00	-0.77 0.00	-0.77 0.00	-0.82 0.00	-0.72 0.00	-0.54 0.00	-0.45 0.00	-0.72 0.00	-0.83 0.00	-0.95 0.00	-0.91 0.00	-0.97 0.00	-0.84 0.00	-0.87 0.00
BIXINCNT_115KV_LOAD 355685	43.23 -1.72 0.00	37.79 -1.43 0.00	47.93 -0.97 0.00	49.62 -1.15 0.00	58.73 -1.40 0.00	45.70 -2.50 0.00	46.95 -3.39 0.00	41.30 -3.21 0.00	37.46 -3.07 1.41	33.39 -3.65 2.36	30.09 -3.29 2.19	30.36 -3.11 2.19	27.31 -3.06 2.05	22.10 -2.65 1.76	17.80 -2.14 1.58	15.34 -1.74 1.44	29.64 -2.62 1.78	43.10 -4.07 3.38	59.06 -4.64 4.29	55.07 -3.63 3.93	48.68 -4.08 3.66	38.46 -3.90 3.10	34.49 -3.54 2.79
BLACK RIVER___HYD 24047	44.12 -0.83 0.00	38.34 -0.88 0.00	47.73 -1.17 0.00	49.57 -1.20 0.00	58.98 -1.15 0.00	47.53 -0.67 0.00	49.83 -0.51 0.00	43.91 -0.60 0.00	41.31 -0.64 0.00	38.97 -0.42 0.00	35.06 -0.51 0.00	34.54 -1.12 0.00	30.93 -1.49 0.00	24.78 0.00 0.00	20.10 -1.42 0.00	17.42 -1.11 0.00	32.25 -1.80 0.00	49.75 -0.79 0.00	67.44 -0.55 0.00	62.45 -0.19 0.00	56.64 0.22 0.00	46.31 0.85 0.00	40.67 -0.15 0.00
BLACKRVR_115KV_TB2 79977	44.12 -0.83 0.00	38.35 -0.87 0.00	47.73 -1.17 0.00	49.57 -1.20 0.00	58.98 -1.15 0.00	47.53 -0.67 0.00	49.83 -0.50 0.00	43.90 -0.60 0.00	41.31 -0.63 0.00	38.97 -0.42 0.00	35.06 -0.51 0.00	34.54 -1.12 0.00	30.93 -1.49 0.00	24.78 -1.73 0.00	20.10 -1.42 0.00	17.42 -1.11 0.00	32.25 -1.80 0.00	49.75 -0.79 0.00	67.43 -0.55 0.00	62.43 -0.20 0.00	56.64 0.22 0.00	46.31 0.85 0.00	40.67 -0.15 0.00
BLISS_WT_PWR 323608	42.96 -1.99 0.00	37.60 -1.62 0.00	47.83 -1.07 0.00	49.52 -1.25 0.00	58.64 -1.49 0.00	45.53 -2.66 0.00	46.75 -3.58 0.00	41.11 -3.40 0.00	37.23 -3.31 1.41	33.12 -3.92 2.36	29.74 -3.63 2.19	30.05 -3.42 2.19	27.04 -3.33 2.05	21.86 -2.89 1.76	17.55 -2.39 1.58	15.17 -1.92 1.44	29.49 -2.78 1.78	42.87 -4.29 3.38	58.84 -4.85 4.29	55.00 -3.71 3.93	48.52 -4.24 3.66	38.16 -4.20 3.10	34.17 -3.86 2.79
BLUESTONE___WT_PWR 323821	44.36 -0.59 0.00	39.14 -0.08 0.00	48.78 -0.12 0.00	51.96 1.19 0.00	61.72 1.59 0.00	49.10 0.91 0.00	51.10 0.77 0.00	45.33 0.82 0.00	42.53 0.58 0.00	39.58 0.19 0.00	35.63 0.06 0.00	35.24 -0.41 0.00	31.09 -1.33 0.00	25.33 -1.17 0.00	20.30 -1.22 0.00	17.62 -0.91 0.00	32.94 -1.11 0.00	50.64 0.09 0.00	69.80 1.82 0.00	64.64 2.00 0.00	58.28 1.86 0.00	45.83 0.36 0.00	39.98 -0.84 0.00
BLUE_CIRC_CHEM_DRP 24182	46.50 1.55 0.00	40.59 1.37 0.00	50.67 1.77 0.00	52.60 1.83 0.00	62.15 2.03 0.00	49.89 1.69 0.00	52.20 1.87 0.00	46.08 1.58 0.00	43.28 1.33 0.00	40.58 1.19 0.00	36.65 1.08 0.00	36.79 1.13 0.00	33.49 1.07 0.00	27.48 0.98 0.00	22.28 0.76 0.00	19.14 0.61 0.00	35.27 1.22 0.00	52.27 1.72 0.00	70.20 2.21 0.00	64.62 1.99 0.00	58.25 1.84 0.00	46.96 1.49 0.00	42.14 1.32 0.00
BOC_GAS_DRP 24189	46.00 1.05 0.00	40.15 0.93 0.00	50.12 1.21 0.00	52.00 1.23 0.00	61.45 1.33 0.00	49.35 1.16 0.00	51.65 1.32 0.00	45.62 1.12 0.00	42.88 0.93 0.00	40.28 0.89 0.00	36.33 0.76 0.00	36.48 0.83 0.00	33.22 0.80 0.00	27.23 0.73 0.00	22.12 0.60 0.00	19.06 0.53 0.00	35.00 0.95 0.00	51.73 1.19 0.00	69.43 1.45 0.00	63.94 1.31 0.00	57.66 1.24 0.00	46.48 1.01 0.00	41.72 0.90 0.00
BOONVILLE_115KV_TB1 79983	45.29 0.34 0.00	39.41 0.20 0.00	49.11 0.21 0.00	50.99 0.22 0.00	60.50 0.37 0.00	48.71 0.51 0.00	50.98 0.65 0.00	45.02 0.51 0.00	42.39 0.44 0.00	39.86 0.46 0.00	35.93 0.36 0.00	35.72 0.07 0.00	32.47 0.04 0.00	26.30 -0.20 0.00	21.31 -0.21 0.00	18.38 -0.15 0.00	34.02 -0.03 0.00	51.01 0.46 0.00	68.84 0.85 0.00	63.58 0.95 0.00	57.48 1.07 0.00	46.58 1.12 0.00	41.42 0.60 0.00
BORALEX_4TH_BRANCH 23824	47.20 2.25 0.00	41.15 1.93 0.00	51.48 2.58 0.00	53.40 2.63 0.00	63.07 2.95 0.00	50.60 2.40 0.00	53.15 2.82 0.00	46.90 2.39 0.00	43.87 1.93 0.00	41.13 1.74 0.00	36.99 1.42 0.00	37.15 1.50 0.00	33.92 1.50 0.00	27.85 1.35 0.00	22.73 1.21 0.00	19.57 1.04 0.00	36.08 2.03 0.00	52.96 2.42 0.00	70.89 2.90 0.00	65.18 2.55 0.00	58.93 2.51 0.00	47.56 2.10 0.00	42.70 1.88 0.00
BOWLINE___1 23526	46.15 1.20 0.00	40.28 1.06 0.00	50.28 1.38 0.00	52.13 1.36 0.00	61.55 1.42 0.00	49.58 1.38 0.00	51.87 1.54 0.00	45.81 1.30 0.00	43.10 1.16 0.00	40.53 1.13 0.00	36.38 0.81 0.00	36.59 0.93 0.00	33.35 0.93 0.00	27.32 0.82 0.00	22.31 0.79 0.00	19.26 0.73 0.00	35.21 1.16 0.00	52.06 1.52 0.00	69.81 1.83 0.00	64.33 1.70 0.00	57.92 1.51 0.00	46.67 1.21 0.00	41.94 1.12 0.00
BOWLINE___2 23595	46.15 1.20 0.00	40.28 1.06 0.00	50.29 1.39 0.00	52.13 1.36 0.00	61.55 1.42 0.00	49.59 1.39 0.00	51.87 1.54 0.00	45.81 1.31 0.00	43.11 1.16 0.00	40.53 1.13 0.00	36.38 0.81 0.00	36.60 0.94 0.00	33.36 0.93 0.00	27.32 0.82 0.00	22.31 0.79 0.00	19.26 0.73 0.00	35.22 1.17 0.00	52.06 1.52 0.00	69.81 1.83 0.00	64.33 1.70 0.00	57.92 1.51 0.00	46.68 1.21 0.00	41.94 1.12 0.00
BRADY___115KV_TB2 356060	46.41 1.46 0.00	40.48 1.26 0.00	50.39 1.48 0.00	52.24 1.47 0.00	62.03 1.91 0.00	49.65 1.45 0.00	51.80 1.47 0.00	45.97 1.46 0.00	43.39 1.45 0.00	40.87 1.48 0.00	36.91 1.34 0.00	36.91 1.25 0.00	33.41 0.99 0.00	27.22 0.72 0.00	21.99 0.47 0.00	18.86 0.33 0.00	34.77 0.72 0.00	52.22 1.68 0.00	70.67 2.69 0.00	65.23 2.59 0.00	58.77 2.34 0.00	47.30 1.83 0.00	42.48 1.66 0.00
BRANSCOMB___SOLAR 323811	47.42 2.47 0.00	41.38 2.16 0.00	51.76 2.86 0.00	53.65 2.88 0.00	63.41 3.28 0.00	50.90 2.70 0.00	53.42 3.08 0.00	47.14 2.64 0.00	44.10 2.16 0.00	41.33 1.93 0.00	37.34 1.77 0.00	37.41 1.76 0.00	34.08 1.66 0.00	27.96 1.46 0.00	22.79 1.27 0.00	19.56 1.04 0.00	36.06 2.01 0.00	53.44 2.90 0.00	71.71 3.72 0.00	65.95 3.31 0.00	59.49 3.07 0.00	47.84 2.38 0.00	42.90 2.08 0.00
BRENTWOD_69_KV_W. BRTWOOD 56703	47.50 2.55 0.00	41.36 2.14 0.00	51.55 2.65 0.00	53.39 2.62 0.00	63.05 2.93 0.00	50.96 2.76 0.00	53.06 2.72 0.00	46.86 2.35 0.00	44.09 2.15 0.00	41.59 2.20 0.00	37.11 1.55 0.00	37.28 1.63 0.00	34.00 1.58 0.00	27.70 1.21 0.00	22.77 1.25 0.00	19.80 1.27 0.00	36.31 2.26 0.00	53.66 3.11 0.00	70.69 2.70 0.00	65.55 2.92 0.00	59.62 3.21 0.00	48.07 2.61 0.00	43.32 2.50 0.00
BRISTLHL_115KV_TB1	43.32	37.76	47.11	48.89	57.87	46.28	48.22	42.59	40.24	37.77	34.10	34.17	30.99	25.25	20.51	17.71	32.62	48.64	65.44	60.24	54.13	43.63	39.12

79998	-1.63 0.00	-1.46 0.00	-1.79 0.00	-1.88 0.00	-2.25 0.00	-1.92 0.00	-2.12 0.00	-1.92 0.00	-1.71 0.00	-1.62 0.00	-1.47 0.00	-1.48 0.00	-1.43 0.00	-1.26 0.00	-1.01 0.00	-0.82 0.00	-1.43 0.00	-1.91 0.00	-2.55 0.00	-2.39 0.00	-2.28 0.00	-1.84 0.00	-1.69 0.00
BROOKHAVEN___DRP 24191	46.98 2.03 0.00	40.89 1.67 0.00	51.13 2.23 0.00	52.95 2.18 0.00	62.56 2.44 0.00	50.51 2.31 0.00	52.31 1.97 0.00	46.33 1.83 0.00	43.72 1.77 0.00	41.31 1.91 0.00	36.88 1.31 0.00	36.94 1.29 0.00	33.66 1.23 0.00	27.41 0.91 0.00	22.53 1.01 0.00	19.68 1.15 0.00	36.12 2.07 0.00	53.36 2.82 0.00	70.10 2.11 0.00	64.89 2.25 0.00	59.20 2.78 0.00	47.66 2.19 0.00	43.05 2.23 0.00
BROOKLYN_NAVY_YARD 23515	46.48 1.53 0.00	40.58 1.37 0.00	50.64 1.74 0.00	52.51 1.74 0.00	61.98 1.85 0.00	50.09 1.90 0.00	52.44 2.11 0.00	46.29 1.78 0.00	43.59 1.64 0.00	41.04 1.64 0.00	36.84 1.27 0.00	37.14 1.49 0.00	33.89 1.46 0.00	27.74 1.24 0.00	22.64 1.12 0.00	19.52 0.99 0.00	35.66 1.61 0.00	52.53 1.98 0.00	70.41 2.43 0.00	64.84 2.20 0.00	58.43 2.01 0.00	47.03 1.57 0.00	42.25 1.44 0.00
BROOKLYN___ARMY_DRP 323595	60.29 2.11 -13.23	60.18 1.92 -19.04	58.95 2.38 -7.67	58.94 2.40 -5.76	62.65 2.45 -0.07	59.88 2.48 -9.20	59.46 2.73 -6.40	60.37 2.33 -13.54	59.67 2.15 -15.57	60.38 2.14 -18.85	59.07 1.75 -21.75	59.09 1.98 -21.45	58.62 1.90 -24.30	58.62 1.61 -30.52	58.74 1.43 -35.79	60.10 1.27 -40.29	60.32 2.13 -24.14	60.61 2.68 -7.38	71.30 3.32 0.00	65.65 3.02 0.00	62.63 2.80 -3.41	60.31 2.20 -12.64	62.04 1.97 -19.24
BROOKVLE_69_KV_TB1 55790	47.33 2.38 0.00	41.26 2.04 0.00	51.43 2.53 0.00	53.28 2.51 0.00	62.92 2.79 0.00	50.81 2.61 0.00	53.02 2.69 0.00	46.78 2.28 0.00	44.02 2.08 0.00	41.52 2.12 0.00	37.15 1.59 0.00	37.37 1.72 0.00	34.06 1.63 0.00	27.83 1.33 0.00	22.82 1.30 0.00	19.76 1.23 0.00	36.17 2.13 0.00	53.46 2.91 0.00	71.17 3.18 0.00	65.76 3.13 0.00	59.43 3.01 0.00	47.91 2.44 0.00	43.06 2.24 0.00
BROOME_2_LFGE 323671	44.45 -0.50 0.00	38.79 -0.42 0.00	48.51 -0.39 0.00	50.31 -0.46 0.00	59.65 -0.48 0.00	47.55 -0.65 0.00	49.48 -0.85 0.00	43.68 -0.82 0.00	41.20 -0.75 0.00	38.57 -0.83 0.00	34.79 -0.78 0.00	34.88 -0.77 0.00	31.61 -0.81 0.00	25.78 -0.72 0.00	20.98 -0.54 0.00	18.08 -0.45 0.00	33.33 -0.72 0.00	49.72 -0.83 0.00	67.04 -0.95 0.00	61.72 -0.92 0.00	55.45 -0.97 0.00	44.63 -0.83 0.00	39.95 -0.86 0.00
BROOME___LFGE 323600	44.45 -0.50 0.00	38.79 -0.42 0.00	48.51 -0.39 0.00	50.31 -0.46 0.00	59.65 -0.48 0.00	47.55 -0.65 0.00	49.48 -0.85 0.00	43.68 -0.82 0.00	41.20 -0.75 0.00	38.57 -0.83 0.00	34.79 -0.78 0.00	34.88 -0.77 0.00	31.61 -0.81 0.00	25.78 -0.72 0.00	20.98 -0.54 0.00	18.08 -0.45 0.00	33.33 -0.72 0.00	49.72 -0.83 0.00	67.04 -0.95 0.00	61.72 -0.92 0.00	55.45 -0.97 0.00	44.63 -0.83 0.00	39.95 -0.86 0.00
BROWNFLS_115KV_TB_3_5 80003	44.69 -0.26 0.00	38.90 -0.32 0.00	48.41 -0.49 0.00	50.14 -0.63 0.00	59.55 -0.58 0.00	47.91 -0.29 0.00	50.10 -0.23 0.00	44.32 -0.19 0.00	41.81 -0.14 0.00	39.46 0.06 0.00	35.59 0.02 0.00	35.38 -0.27 0.00	31.97 -0.45 0.00	25.86 -0.64 0.00	20.94 -0.58 0.00	18.02 -0.51 0.00	33.24 -0.81 0.00	50.24 -0.31 0.00	67.97 -0.01 0.00	62.91 0.28 0.00	57.01 0.59 0.00	46.33 0.87 0.00	41.22 0.40 0.00
BROWNSV1_27_KV_LOAD 356125	47.02 2.07 0.00	41.05 1.83 0.00	51.22 2.32 0.00	53.09 2.32 0.00	62.67 2.54 0.00	50.65 2.45 0.00	52.99 2.66 0.00	46.76 2.25 0.00	44.04 2.09 0.00	41.49 2.09 0.00	37.21 1.64 0.00	37.50 1.85 0.00	34.19 1.77 0.00	28.01 1.51 0.00	22.85 1.33 0.00	19.73 1.20 0.00	36.05 2.01 0.00	53.18 2.64 0.00	71.28 3.30 0.00	65.64 3.01 0.00	59.15 2.73 0.00	47.61 2.15 0.00	42.74 1.92 0.00
BURROWS___LYONSDAL 23803	44.94 -0.01 0.00	39.08 -0.15 0.00	48.68 -0.22 0.00	50.54 -0.23 0.00	60.02 -0.10 0.00	48.37 0.17 0.00	50.63 0.30 0.00	44.70 0.19 0.00	42.08 0.14 0.00	39.61 0.22 0.00	35.69 0.12 0.00	35.43 -0.22 0.00	32.14 -0.28 0.00	25.99 -0.52 0.00	21.06 -0.46 0.00	18.17 -0.36 0.00	33.64 -0.41 0.00	50.58 0.04 0.00	68.31 0.33 0.00	63.20 0.57 0.00	57.23 0.81 0.00	46.50 1.04 0.00	41.24 0.42 0.00
CAITHNESS_CC_1 323624	46.96 2.01 0.00	40.89 1.67 0.00	51.08 2.18 0.00	52.91 2.14 0.00	62.50 2.37 0.00	50.45 2.25 0.00	52.32 1.99 0.00	46.32 1.81 0.00	43.68 1.74 0.00	41.25 1.86 0.00	36.85 1.28 0.00	36.93 1.28 0.00	33.65 1.23 0.00	27.42 0.92 0.00	22.54 1.02 0.00	19.67 1.14 0.00	36.07 2.02 0.00	53.26 2.71 0.00	70.09 2.11 0.00	64.87 2.23 0.00	59.11 2.69 0.00	47.61 2.14 0.00	42.98 2.16 0.00
CALPINE BETH_PAGE_GT4 24209	47.04 2.09 0.00	40.98 1.77 0.00	51.09 2.19 0.00	52.93 2.16 0.00	62.50 2.38 0.00	50.49 2.30 0.00	52.65 2.32 0.00	46.48 1.98 0.00	43.80 1.86 0.00	41.31 1.91 0.00	36.93 1.36 0.00	37.13 1.48 0.00	33.84 1.42 0.00	27.62 1.12 0.00	22.67 1.15 0.00	19.65 1.13 0.00	35.95 1.90 0.00	53.13 2.59 0.00	70.59 2.60 0.00	65.29 2.66 0.00	59.08 2.67 0.00	47.64 2.17 0.00	42.84 2.02 0.00
CALPINE_BETH_PAGE_GT_4 323586	47.04 2.09 0.00	40.99 1.77 0.00	51.09 2.19 0.00	52.93 2.16 0.00	62.50 2.38 0.00	50.49 2.30 0.00	52.65 2.32 0.00	46.47 1.97 0.00	43.80 1.86 0.00	41.30 1.91 0.00	36.92 1.36 0.00	37.13 1.47 0.00	33.84 1.42 0.00	27.62 1.12 0.00	22.67 1.15 0.00	19.66 1.13 0.00	35.95 1.90 0.00	53.12 2.57 0.00	70.58 2.59 0.00	65.28 2.65 0.00	59.06 2.65 0.00	47.64 2.17 0.00	42.83 2.02 0.00
CALPINE_BP_GT1 23823	47.04 2.09 0.00	40.99 1.77 0.00	51.09 2.19 0.00	52.93 2.16 0.00	62.50 2.38 0.00	50.49 2.30 0.00	52.65 2.32 0.00	46.47 1.97 0.00	43.80 1.86 0.00	41.30 1.91 0.00	36.92 1.36 0.00	37.13 1.47 0.00	33.84 1.42 0.00	27.62 1.12 0.00	22.67 1.15 0.00	19.66 1.13 0.00	35.95 1.90 0.00	53.12 2.57 0.00	70.58 2.59 0.00	65.28 2.65 0.00	59.06 2.65 0.00	47.64 2.17 0.00	42.83 2.02 0.00
CALSPAN___DRP 24200	43.18 -1.77 0.00	37.58 -1.64 0.00	47.08 -1.82 0.00	48.78 -1.99 0.00	57.64 -2.49 0.00	45.16 -3.04 0.00	46.44 -3.89 0.00	41.00 -3.51 0.00	36.18 -3.00 2.77	31.66 -3.12 4.63	28.75 -2.52 4.29	28.83 -2.53 4.29	25.84 -2.56 4.03	20.87 -2.18 3.44	16.74 -1.68 3.10	14.23 -1.47 2.83	27.88 -2.67 3.50	40.00 -3.93 6.61	54.46 -5.07 8.46	50.24 -4.62 7.78	44.58 -4.59 7.25	35.72 -3.60 6.15	32.24 -3.05 5.53
CALVERTON___SOLAR	46.98	40.90	51.14	52.97	62.60	50.55	52.31	46.35	43.73	41.31	36.90	36.93	33.63	27.38	22.52	19.68	36.13	53.43	70.06	64.86	59.25	47.67	43.09

323806	2.03 0.00	1.68 0.00	2.24 0.00	2.20 0.00	2.48 0.00	2.35 0.00	1.98 0.00	1.84 0.00	1.78 0.00	1.91 0.00	1.33 0.00	1.28 0.00	1.21 0.00	0.88 0.00	1.00 0.00	1.15 0.00	2.08 0.00	2.88 0.00	2.08 0.00	2.23 0.00	2.83 0.00	2.20 0.00	2.27 0.00
CANDIGU_WT_PWR 323617	42.05 -2.90 0.00	36.76 -2.46 0.00	46.19 -2.71 0.00	48.14 -2.63 0.00	57.20 -2.93 0.00	44.93 -3.26 0.00	46.44 -3.90 0.00	41.08 -3.43 0.00	1.86 -3.22 36.87	-25.77 -3.54 61.62	-25.00 -3.39 57.18	-24.97 -3.50 57.12	-24.61 -3.41 53.63	-22.25 -2.85 45.91	-22.02 -2.24 41.30	-21.10 -1.90 37.73	-15.75 -3.22 46.58	-41.58 -3.98 88.15	-49.02 -4.61 112.40	-45.00 -4.40 103.24	-44.14 -4.35 96.21	-39.79 -3.68 81.57	-36.06 -3.51 73.37
CARR STREET_E_SYR 24060	43.71 -1.24 0.00	38.12 -1.10 0.00	47.58 -1.32 0.00	49.37 -1.40 0.00	58.47 -1.66 0.00	46.72 -1.47 0.00	48.67 -1.66 0.00	42.99 -1.52 0.00	40.58 -1.36 0.00	38.09 -1.31 0.00	34.41 -1.16 0.00	34.46 -1.19 0.00	31.28 -1.14 0.00	25.49 -1.02 0.00	20.70 -0.82 0.00	17.85 -0.68 0.00	32.92 -1.13 0.00	49.04 -1.51 0.00	66.01 -1.98 0.00	60.74 -1.90 0.00	54.57 -1.85 0.00	43.97 -1.49 0.00	39.44 -1.38 0.00
CARTHAGE___PAPER 23857	44.63 -0.32 0.00	38.77 -0.45 0.00	48.28 -0.63 0.00	50.12 -0.65 0.00	59.62 -0.51 0.00	48.07 -0.13 0.00	50.37 0.04 0.00	44.42 -0.09 0.00	41.80 -0.14 0.00	39.44 0.04 0.00	35.49 -0.08 0.00	35.05 -0.61 0.00	31.48 -0.94 0.00	25.25 -1.25 0.00	20.49 -1.03 0.00	17.73 -0.79 0.00	32.81 -1.24 0.00	50.30 -0.24 0.00	68.17 0.18 0.00	63.14 0.51 0.00	57.29 0.87 0.00	46.77 1.30 0.00	41.19 0.38 0.00
CASSADAGA_WT_PWR 323784	42.53 -2.42 0.00	37.15 -2.07 0.00	47.02 -1.89 0.00	48.83 -1.94 0.00	57.08 -3.05 0.00	44.78 -3.42 0.00	46.22 -4.11 0.00	40.78 -3.72 0.00	36.91 -3.46 1.58	32.85 -3.90 2.64	30.10 -3.03 2.45	30.63 -2.57 2.45	27.65 -2.48 2.30	22.21 -2.32 1.97	18.01 -1.74 1.77	15.28 -1.63 1.61	28.94 -3.11 2.00	42.70 -4.07 3.78	59.14 -4.24 4.61	53.97 -4.59 4.08	47.64 -4.98 3.80	38.27 -3.97 3.22	34.16 -3.76 2.90
CE_DUNWOOD___DRP 24194	46.51 1.56 0.00	40.59 1.37 0.00	50.65 1.74 0.00	52.49 1.72 0.00	61.98 1.85 0.00	49.99 1.79 0.00	52.32 1.99 0.00	46.19 1.68 0.00	43.45 1.50 0.00	40.90 1.50 0.00	36.71 1.14 0.00	36.96 1.31 0.00	33.69 1.27 0.00	27.60 1.10 0.00	22.53 1.01 0.00	19.45 0.92 0.00	35.58 1.53 0.00	52.52 1.98 0.00	70.38 2.39 0.00	64.82 2.19 0.00	58.43 2.01 0.00	47.06 1.60 0.00	42.25 1.43 0.00
CE_MILLWOOD___DRP 24193	46.37 1.42 0.00	40.47 1.26 0.00	50.52 1.62 0.00	52.36 1.59 0.00	61.82 1.69 0.00	49.84 1.64 0.00	52.15 1.81 0.00	46.05 1.54 0.00	43.31 1.36 0.00	40.75 1.36 0.00	36.58 1.01 0.00	36.82 1.17 0.00	33.56 1.14 0.00	27.50 0.99 0.00	22.44 0.92 0.00	19.38 0.85 0.00	35.44 1.40 0.00	52.36 1.82 0.00	70.16 2.18 0.00	64.63 2.00 0.00	58.23 1.82 0.00	46.92 1.46 0.00	42.13 1.31 0.00
CE_NYC2_DRP 24202	46.72 1.78 0.00	40.87 1.64 0.00	50.91 2.01 0.00	52.79 2.02 0.00	62.23 2.11 0.00	50.35 2.15 0.00	52.69 2.37 0.00	46.51 2.01 0.00	43.79 1.85 0.00	41.26 1.86 0.00	37.15 1.48 -0.10	37.38 1.72 -0.01	34.08 1.65 -0.01	27.90 1.40 0.00	22.78 1.26 0.00	19.66 1.13 0.00	35.93 1.88 -0.01	52.86 2.31 0.00	70.81 2.82 0.00	65.21 2.57 0.00	58.79 2.37 0.00	47.32 1.85 0.00	42.49 1.68 0.00
CE_NYC_DRP 24195	46.61 1.65 0.00	40.69 1.47 0.00	50.76 1.86 0.00	52.62 1.85 0.00	62.11 1.99 0.00	50.22 2.02 0.00	52.54 2.21 0.00	46.37 1.86 0.00	43.65 1.70 0.00	41.11 1.71 0.00	36.88 1.31 0.00	37.16 1.51 0.00	33.89 1.47 0.00	27.75 1.25 0.00	22.65 1.14 0.00	19.56 1.03 0.00	35.74 1.70 0.00	52.70 2.15 0.00	70.60 2.61 0.00	65.01 2.38 0.00	58.59 2.17 0.00	47.18 1.71 0.00	42.35 1.53 0.00
CHAFFEE___LFGE 323603	43.56 -1.39 0.00	37.88 -1.34 0.00	47.47 -1.43 0.00	49.16 -1.61 0.00	58.10 -2.03 0.00	45.54 -2.66 0.00	46.86 -3.47 0.00	41.44 -3.07 0.00	37.26 -2.61 2.08	33.21 -2.72 3.47	30.14 -2.21 3.22	30.19 -2.25 3.22	27.10 -2.30 3.02	21.94 -1.98 2.59	17.66 -1.53 2.33	15.07 -1.33 2.13	29.05 -2.37 2.62	42.18 -3.40 4.97	57.27 -4.38 6.34	52.76 -4.05 5.83	46.91 -4.08 5.43	37.71 -3.15 4.60	33.99 -2.69 4.14
CHATEAUG_35_KV_LOAD 355732	44.74 -0.21 0.00	39.11 -0.11 0.00	48.81 -0.09 0.00	50.88 0.10 0.00	60.66 0.54 0.00	48.45 0.26 0.00	50.63 0.30 0.00	44.97 0.46 0.00	42.40 0.45 0.00	39.81 0.41 0.00	35.99 0.42 0.00	36.19 0.54 0.00	32.99 0.57 0.00	27.00 0.50 0.00	21.80 0.28 0.00	18.55 0.02 0.00	34.16 0.11 0.00	51.45 0.91 0.00	69.57 1.58 0.00	64.09 1.45 0.00	57.67 1.26 0.00	46.14 0.67 0.00	41.78 0.97 0.00
CHATEAUG_WT_PWR 323614	44.58 -0.37 0.00	38.97 -0.25 0.00	48.67 -0.23 0.00	50.71 -0.06 0.00	60.49 0.36 0.00	48.30 0.11 0.00	50.49 0.16 0.00	44.82 0.32 0.00	42.23 0.28 0.00	39.63 0.23 0.00	35.86 0.29 0.00	36.12 0.47 0.00	32.96 0.54 0.00	26.97 0.47 0.00	21.76 0.24 0.00	18.52 -0.01 0.00	34.11 0.07 0.00	51.34 0.79 0.00	69.36 1.37 0.00	63.87 1.24 0.00	57.47 1.06 0.00	46.01 0.54 0.00	41.68 0.86 0.00
CHAT_HIGH_FALL_HYD 323578	44.74 -0.21 0.00	39.11 -0.11 0.00	48.81 -0.09 0.00	50.88 0.10 0.00	60.66 0.54 0.00	48.45 0.26 0.00	50.63 0.30 0.00	44.97 0.46 0.00	42.40 0.45 0.00	39.81 0.41 0.00	35.99 0.42 0.00	36.19 0.54 0.00	32.99 0.57 0.00	27.00 0.50 0.00	21.80 0.28 0.00	18.55 0.02 0.00	34.16 0.11 0.00	51.45 0.91 0.00	69.57 1.58 0.00	64.09 1.45 0.00	57.67 1.26 0.00	46.14 0.67 0.00	41.78 0.97 0.00
CHAUTAUQUA___LFGE 323629	42.88 -2.07 0.00	37.40 -1.82 0.00	47.13 -1.77 0.00	48.84 -1.93 0.00	57.44 -2.68 0.00	45.07 -3.13 0.00	46.42 -3.91 0.00	40.98 -3.53 0.00	36.56 -3.19 2.20	32.31 -3.41 3.68	29.41 -2.74 3.41	29.68 -2.56 3.41	26.69 -2.53 3.20	21.55 -2.21 2.74	17.38 -1.68 2.47	14.76 -1.52 2.25	28.38 -2.89 2.78	41.40 -3.88 5.26	57.11 -4.42 6.45	52.62 -4.27 5.74	46.63 -4.44 5.35	37.34 -3.59 4.53	33.43 -3.31 4.08
CHERRYST_13_KV_LD 356241	46.72 1.77 0.00	40.79 1.57 0.00	50.89 1.99 0.00	52.77 2.00 0.00	62.28 2.16 0.00	50.33 2.14 0.00	52.68 2.35 0.00	46.49 1.98 0.00	43.77 1.82 0.00	41.23 1.83 0.00	36.99 1.42 0.00	37.27 1.61 0.00	33.98 1.56 0.00	27.82 1.32 0.00	22.72 1.20 0.00	19.61 1.08 0.00	35.84 1.79 0.00	52.85 2.30 0.00	70.79 2.80 0.00	65.17 2.54 0.00	58.74 2.33 0.00	47.30 1.83 0.00	42.46 1.64 0.00
CHESTROR_138KV_BK263	46.06	40.21	50.19	52.04	61.46	49.48	51.75	45.71	43.00	40.40	36.29	36.53	33.22	27.24	22.22	19.17	35.09	51.93	69.69	64.20	57.82	46.58	41.83

355645	1.11 0.00	0.99 0.00	1.29 0.00	1.27 0.00	1.34 0.00	1.29 0.00	1.42 0.00	1.20 0.00	1.06 0.00	1.01 0.00	0.72 0.00	0.87 0.00	0.80 0.00	0.74 0.00	0.70 0.00	0.64 0.00	1.04 0.00	1.38 0.00	1.71 0.00	1.56 0.00	1.40 0.00	1.12 0.00	1.02 0.00
CH_MIDHUDSON___DRP 24192	46.58 1.63 0.00	40.66 1.44 0.00	50.74 1.84 0.00	52.60 1.83 0.00	62.15 2.03 0.00	50.07 1.87 0.00	52.43 2.10 0.00	46.29 1.78 0.00	43.50 1.55 0.00	40.89 1.49 0.00	36.78 1.21 0.00	37.01 1.36 0.00	33.69 1.27 0.00	27.64 1.14 0.00	22.54 1.02 0.00	19.45 0.92 0.00	35.62 1.58 0.00	52.62 2.08 0.00	70.58 2.59 0.00	64.99 2.36 0.00	58.57 2.15 0.00	47.14 1.67 0.00	42.29 1.48 0.00
CH_MISC_IPPS 23765	46.81 1.85 0.00	40.84 1.62 0.00	50.97 2.07 0.00	52.85 2.08 0.00	62.44 2.31 0.00	50.30 2.10 0.00	52.65 2.32 0.00	46.47 1.97 0.00	43.69 1.75 0.00	41.06 1.67 0.00	36.95 1.38 0.00	37.18 1.53 0.00	33.80 1.37 0.00	27.72 1.23 0.00	22.61 1.09 0.00	19.51 0.99 0.00	35.75 1.71 0.00	52.87 2.33 0.00	70.95 2.96 0.00	65.32 2.69 0.00	58.84 2.43 0.00	47.35 1.88 0.00	42.47 1.66 0.00
CH_RES_BVR_FALLS 23983	44.56 -0.39 0.00	38.88 -0.34 0.00	48.39 -0.51 0.00	50.39 -0.37 0.00	59.88 -0.25 0.00	48.03 -0.17 0.00	50.16 -0.18 0.00	44.42 -0.09 0.00	41.94 0.00 0.00	39.44 0.05 0.00	35.62 0.05 0.00	35.61 -0.05 0.00	32.28 -0.14 0.00	26.33 -0.17 0.00	21.35 -0.17 0.00	18.35 -0.18 0.00	33.70 -0.35 0.00	50.15 -0.40 0.00	67.52 -0.47 0.00	62.50 -0.13 0.00	56.38 -0.04 0.00	45.58 0.12 0.00	40.81 -0.01 0.00
CH_RES_NIAGARA 23895	41.46 -3.49 0.00	36.10 -3.12 0.00	45.14 -3.76 0.00	46.76 -4.01 0.00	55.23 -4.90 0.00	43.19 -5.01 0.00	44.45 -5.89 0.00	39.27 -5.24 0.00	33.79 -4.52 3.63	28.90 -4.43 6.06	26.29 -3.65 5.62	26.34 -3.70 5.62	23.53 -3.62 5.28	18.96 -3.03 4.52	15.06 -2.40 4.06	12.72 -2.10 3.71	25.53 -3.94 4.58	35.95 -5.93 8.67	49.03 -7.88 11.08	45.24 -7.21 10.19	40.05 -6.88 9.49	32.11 -5.31 8.05	29.12 -4.46 7.24
CH_RES_SYRACUSE 23985	44.05 -0.90 0.00	38.41 -0.81 0.00	47.92 -0.98 0.00	49.75 -1.02 0.00	58.92 -1.20 0.00	47.11 -1.09 0.00	49.07 -1.26 0.00	43.30 -1.21 0.00	40.91 -1.03 0.00	38.37 -1.03 0.00	34.65 -0.92 0.00	34.71 -0.95 0.00	31.49 -0.94 0.00	25.62 -0.88 0.00	20.82 -0.70 0.00	17.95 -0.58 0.00	33.16 -0.89 0.00	49.47 -1.08 0.00	66.58 -1.40 0.00	61.25 -1.38 0.00	55.04 -1.38 0.00	44.34 -1.13 0.00	39.76 -1.06 0.00
CLINTON_WT_PWR 323605	44.58 -0.37 0.00	38.97 -0.25 0.00	48.67 -0.23 0.00	50.71 -0.06 0.00	60.49 0.36 0.00	48.30 0.11 0.00	50.49 0.16 0.00	44.82 0.32 0.00	42.23 0.28 0.00	39.63 0.23 0.00	35.86 0.29 0.00	36.12 0.47 0.00	32.96 0.54 0.00	26.97 0.47 0.00	21.76 0.24 0.00	18.52 -0.01 0.00	34.11 0.07 0.00	51.34 0.79 0.00	69.36 1.37 0.00	63.87 1.24 0.00	57.47 1.06 0.00	46.01 0.54 0.00	41.68 0.86 0.00
CLINTON___LFGE 323618	44.90 -0.05 0.00	39.31 0.09 0.00	49.21 0.31 0.00	51.31 0.54 0.00	61.33 1.21 0.00	49.00 0.81 0.00	51.28 0.95 0.00	45.51 1.00 0.00	42.83 0.88 0.00	40.14 0.75 0.00	36.40 0.84 0.00	36.72 1.07 0.00	33.64 1.21 0.00	27.56 1.06 0.00	22.13 0.61 0.00	18.74 0.21 0.00	34.45 0.40 0.00	52.38 1.83 0.00	71.07 3.09 0.00	65.37 2.74 0.00	58.85 2.43 0.00	46.88 1.42 0.00	42.55 1.73 0.00
COBBLENY_34_KV_TB1 80064	43.55 -1.39 0.00	37.88 -1.34 0.00	47.47 -1.44 0.00	49.17 -1.61 0.00	58.10 -2.03 0.00	45.55 -2.65 0.00	46.87 -3.46 0.00	41.40 -3.11 0.00	37.22 -2.65 2.08	33.13 -2.79 3.47	30.10 -2.25 3.22	30.15 -2.28 3.22	27.07 -2.34 3.02	21.91 -2.00 2.59	17.67 -1.52 2.33	15.07 -1.33 2.13	29.02 -2.40 2.62	42.09 -3.49 4.97	57.17 -4.48 6.34	52.72 -4.09 5.83	46.87 -4.12 5.43	37.66 -3.20 4.60	33.95 -2.73 4.14
COFFEEN___115KV_TB3 355620	44.44 -0.51 0.00	38.62 -0.60 0.00	48.08 -0.82 0.00	49.93 -0.84 0.00	59.39 -0.74 0.00	47.84 -0.35 0.00	50.15 -0.18 0.00	44.20 -0.31 0.00	41.57 -0.37 0.00	39.22 -0.18 0.00	35.27 -0.30 0.00	34.70 -0.95 0.00	31.04 -1.39 0.00	24.81 -1.69 0.00	20.13 -1.40 0.00	17.48 -1.05 0.00	32.32 -1.73 0.00	50.13 -0.42 0.00	68.02 0.03 0.00	62.94 0.31 0.00	57.03 0.61 0.00	46.56 1.09 0.00	40.89 0.08 0.00
COLDSPRG_115KV_BK1 355956	44.33 -0.61 0.00	38.65 -0.57 0.00	48.72 -0.18 0.00	50.45 -0.32 0.00	59.39 -0.73 0.00	46.57 -1.63 0.00	48.02 -2.31 0.00	42.37 -2.14 0.00	40.00 -1.95 0.00	36.99 -2.41 0.00	33.78 -1.79 0.00	34.09 -1.56 0.00	30.79 -1.63 0.00	25.01 -1.49 0.00	20.45 -1.07 0.00	17.54 -0.99 0.00	32.18 -1.86 0.00	48.07 -2.48 0.00	65.42 -2.56 0.00	60.04 -2.60 0.00	53.42 -3.00 0.00	43.12 -2.35 0.00	38.63 -2.19 0.00
COLONIE_LFGE___ 323577	46.64 1.69 0.00	40.70 1.48 0.00	50.84 1.94 0.00	52.75 1.98 0.00	62.30 2.18 0.00	50.01 1.81 0.00	52.46 2.13 0.00	46.32 1.81 0.00	43.38 1.44 0.00	40.76 1.36 0.00	36.74 1.17 0.00	36.87 1.22 0.00	33.62 1.20 0.00	27.58 1.08 0.00	22.45 0.92 0.00	19.34 0.81 0.00	35.56 1.52 0.00	52.46 1.91 0.00	70.38 2.39 0.00	64.78 2.14 0.00	58.46 2.04 0.00	47.08 1.61 0.00	42.25 1.44 0.00
COOPERNY_115KV_TB1 80082	45.72 0.77 0.00	39.90 0.69 0.00	49.79 0.89 0.00	51.63 0.86 0.00	61.03 0.91 0.00	49.07 0.88 0.00	51.28 0.95 0.00	45.31 0.81 0.00	42.66 0.71 0.00	40.06 0.67 0.00	36.06 0.49 0.00	36.23 0.57 0.00	32.95 0.53 0.00	26.99 0.49 0.00	21.99 0.47 0.00	18.97 0.44 0.00	34.75 0.70 0.00	51.46 0.92 0.00	69.10 1.12 0.00	63.66 1.03 0.00	57.32 0.90 0.00	46.20 0.73 0.00	41.47 0.66 0.00
COPENHAGEN_WT_PWR 323753	43.46 -1.49 0.00	37.77 -1.45 0.00	47.04 -1.86 0.00	48.85 -1.92 0.00	58.16 -1.96 0.00	46.91 -1.29 0.00	49.19 -1.14 0.00	43.33 -1.17 0.00	40.76 -1.19 0.00	38.46 -0.93 0.00	34.59 -0.98 0.00	34.08 -1.57 0.00	30.54 -1.88 0.00	24.48 -2.02 0.00	19.86 -1.66 0.00	17.20 -1.33 0.00	31.84 -2.20 0.00	48.97 -1.57 0.00	66.35 -1.63 0.00	61.50 -1.14 0.00	55.88 -0.54 0.00	45.89 0.42 0.00	40.20 -0.62 0.00
CORNELL_____ 23752	45.04 0.09 0.00	39.29 0.07 0.00	49.10 0.19 0.00	51.07 0.30 0.00	60.54 0.42 0.00	48.33 0.14 0.00	50.32 -0.01 0.00	44.36 -0.15 0.00	43.46 -0.13 -1.65	41.75 -0.40 -2.76	37.72 -0.41 -2.56	37.78 -0.44 -2.56	34.17 -0.65 -2.40	27.80 -0.76 -2.06	22.74 -0.63 -1.85	19.72 -0.49 -1.69	35.59 -0.54 -2.09	54.45 -0.04 -3.95	73.38 0.36 -5.04	67.56 0.29 -4.63	60.79 0.05 -4.32	49.05 -0.08 -3.66	43.90 -0.21 -3.29
CORONA_AAV_69_KV_TB1	47.22	41.19	51.33	53.13	62.71	50.66	52.88	46.68	43.92	41.43	37.07	37.29	34.01	27.78	22.77	19.72	36.08	53.26	70.96	65.56	59.26	47.80	42.98

355595	2.27 0.00	1.96 0.00	2.43 0.00	2.36 0.00	2.58 0.00	2.46 0.00	2.55 0.00	2.17 0.00	1.98 0.00	2.04 0.00	1.50 0.00	1.64 0.00	1.59 0.00	1.28 0.00	1.25 0.00	1.19 0.00	2.04 0.00	2.71 0.00	2.98 0.00	2.93 0.00	2.84 0.00	2.33 0.00	2.16 0.00
CORTLAND_115KV_TB3 80093	44.75 -0.20 0.00	39.03 -0.19 0.00	48.75 -0.15 0.00	50.62 -0.15 0.00	59.99 -0.13 0.00	47.95 -0.25 0.00	49.96 -0.37 0.00	44.10 -0.41 0.00	41.56 -0.39 0.00	38.90 -0.49 0.00	35.13 -0.43 0.00	35.14 -0.51 0.00	31.88 -0.54 0.00	25.89 -0.61 0.00	21.03 -0.49 0.00	18.15 -0.38 0.00	33.54 -0.51 0.00	50.26 -0.29 0.00	67.80 -0.19 0.00	62.40 -0.24 0.00	56.05 -0.36 0.00	45.11 -0.36 0.00	40.37 -0.44 0.00
COXSACKIE___GT 23611	48.60 3.65 0.00	42.34 3.12 0.00	52.87 3.97 0.00	54.91 4.14 0.00	64.93 4.80 0.00	52.14 3.94 0.00	54.67 4.33 0.00	48.25 3.74 0.00	45.38 3.44 0.00	42.34 2.95 0.00	38.30 2.74 0.00	38.52 2.87 0.00	34.63 2.20 0.00	28.69 2.18 0.00	23.09 1.57 0.00	19.68 1.15 0.00	36.48 2.43 0.00	54.67 4.13 0.00	73.92 5.94 0.00	67.97 5.34 0.00	61.12 4.70 0.00	49.09 3.62 0.00	43.95 3.13 0.00
CPV_VALLEY___CC1 323721	45.74 0.79 0.00	39.93 0.70 0.00	49.82 0.92 0.00	51.65 0.88 0.00	61.01 0.88 0.00	49.13 0.93 0.00	51.37 1.03 0.00	45.37 0.86 0.00	42.71 0.77 0.00	40.14 0.75 0.00	36.08 0.51 0.00	36.28 0.62 0.00	33.03 0.60 0.00	27.06 0.56 0.00	22.10 0.58 0.00	19.07 0.54 0.00	34.87 0.82 0.00	51.54 0.99 0.00	69.15 1.16 0.00	63.73 1.10 0.00	57.38 0.97 0.00	46.26 0.79 0.00	41.53 0.71 0.00
CPV_VALLEY___CC2 323722	45.74 0.79 0.00	39.93 0.70 0.00	49.82 0.92 0.00	51.65 0.88 0.00	61.01 0.88 0.00	49.13 0.93 0.00	51.37 1.03 0.00	45.37 0.86 0.00	42.71 0.77 0.00	40.14 0.75 0.00	36.08 0.51 0.00	36.28 0.62 0.00	33.03 0.60 0.00	27.06 0.56 0.00	22.10 0.58 0.00	19.07 0.54 0.00	34.87 0.82 0.00	51.54 0.99 0.00	69.15 1.16 0.00	63.73 1.10 0.00	57.38 0.97 0.00	46.26 0.79 0.00	41.53 0.71 0.00
CRESCENT___HYD 24018	46.64 1.69 0.00	40.70 1.48 0.00	50.84 1.94 0.00	52.75 1.98 0.00	62.30 2.18 0.00	50.01 1.81 0.00	52.46 2.13 0.00	46.32 1.81 0.00	43.38 1.44 0.00	40.76 1.36 0.00	36.74 1.17 0.00	36.87 1.22 0.00	33.62 1.20 0.00	27.58 1.08 0.00	22.45 0.92 0.00	19.34 0.81 0.00	35.56 1.52 0.00	52.46 1.91 0.00	70.38 2.39 0.00	64.78 2.14 0.00	58.46 2.04 0.00	47.08 1.61 0.00	42.25 1.44 0.00
CRICKET___VALLEY_CC1 323756	46.12 1.17 0.00	40.26 1.04 0.00	50.26 1.36 0.00	52.09 1.32 0.00	61.53 1.41 0.00	49.58 1.38 0.00	51.97 1.64 0.00	45.90 1.39 0.00	43.07 1.12 0.00	40.44 1.05 0.00	36.37 0.80 0.00	36.62 0.97 0.00	33.41 0.99 0.00	27.43 0.93 0.00	22.40 0.88 0.00	19.34 0.81 0.00	35.37 1.32 0.00	52.08 1.53 0.00	69.83 1.85 0.00	64.29 1.66 0.00	57.99 1.58 0.00	46.65 1.18 0.00	41.85 1.03 0.00
CRICKET___VALLEY_CC2 323757	46.12 1.17 0.00	40.26 1.04 0.00	50.26 1.36 0.00	52.09 1.32 0.00	61.53 1.41 0.00	49.58 1.38 0.00	51.97 1.64 0.00	45.90 1.39 0.00	43.07 1.12 0.00	40.44 1.05 0.00	36.37 0.80 0.00	36.62 0.97 0.00	33.41 0.99 0.00	27.43 0.93 0.00	22.40 0.88 0.00	19.34 0.81 0.00	35.37 1.32 0.00	52.08 1.53 0.00	69.83 1.85 0.00	64.29 1.66 0.00	57.99 1.58 0.00	46.65 1.18 0.00	41.85 1.03 0.00
CRICKET___VALLEY_CC3 323758	46.12 1.17 0.00	40.26 1.04 0.00	50.26 1.36 0.00	52.09 1.32 0.00	61.53 1.41 0.00	49.58 1.38 0.00	51.97 1.64 0.00	45.90 1.39 0.00	43.07 1.12 0.00	40.44 1.05 0.00	36.37 0.80 0.00	36.62 0.97 0.00	33.41 0.99 0.00	27.43 0.93 0.00	22.40 0.88 0.00	19.34 0.81 0.00	35.37 1.32 0.00	52.08 1.53 0.00	69.83 1.85 0.00	64.29 1.66 0.00	57.99 1.58 0.00	46.65 1.18 0.00	41.85 1.03 0.00
CRUCIBLE_METL_DRP 24180	44.05 -0.90 0.00	38.42 -0.80 0.00	47.92 -0.98 0.00	49.75 -1.02 0.00	58.92 -1.21 0.00	47.11 -1.09 0.00	49.07 -1.26 0.00	43.30 -1.21 0.00	40.91 -1.03 0.00	38.36 -1.04 0.00	34.65 -0.91 0.00	34.71 -0.94 0.00	31.48 -0.94 0.00	25.61 -0.89 0.00	20.82 -0.70 0.00	17.95 -0.58 0.00	33.15 -0.89 0.00	49.46 -1.09 0.00	66.58 -1.40 0.00	61.24 -1.39 0.00	55.04 -1.38 0.00	44.34 -1.13 0.00	39.76 -1.06 0.00
DAHOWA___HYDRO 323763	47.72 2.77 0.00	41.65 2.43 0.00	52.11 3.21 0.00	54.01 3.24 0.00	63.84 3.71 0.00	51.25 3.05 0.00	53.81 3.48 0.00	47.49 2.98 0.00	44.42 2.48 0.00	41.58 2.19 0.00	37.59 2.02 0.00	37.65 2.00 0.00	34.30 1.87 0.00	28.13 1.63 0.00	22.94 1.42 0.00	19.69 1.16 0.00	36.30 2.25 0.00	53.80 3.26 0.00	72.15 4.17 0.00	66.35 3.72 0.00	59.88 3.46 0.00	48.12 2.66 0.00	43.14 2.33 0.00
DANC___LFGE 323619	43.48 -1.46 0.00	37.85 -1.37 0.00	47.16 -1.74 0.00	48.95 -1.82 0.00	58.12 -2.01 0.00	46.68 -1.52 0.00	48.84 -1.49 0.00	43.08 -1.43 0.00	40.59 -1.35 0.00	38.25 -1.15 0.00	34.48 -1.09 0.00	34.17 -1.49 0.00	30.76 -1.67 0.00	24.80 -1.70 0.00	20.12 -1.40 0.00	17.38 -1.15 0.00	32.13 -1.92 0.00	48.86 -1.68 0.00	66.06 -1.92 0.00	61.10 -1.53 0.00	55.27 -1.15 0.00	45.09 -0.37 0.00	39.86 -0.96 0.00
DANSKAMMER___1 23586	46.81 1.85 0.00	40.84 1.62 0.00	50.97 2.07 0.00	52.85 2.08 0.00	62.44 2.31 0.00	50.30 2.10 0.00	52.65 2.32 0.00	46.47 1.97 0.00	43.69 1.75 0.00	41.06 1.67 0.00	36.95 1.38 0.00	37.18 1.53 0.00	33.80 1.37 0.00	27.72 1.23 0.00	22.61 1.09 0.00	19.51 0.99 0.00	35.75 1.71 0.00	52.87 2.33 0.00	70.95 2.96 0.00	65.32 2.69 0.00	58.84 2.43 0.00	47.35 1.88 0.00	42.47 1.66 0.00
DANSKAMMER___2 23589	46.81 1.85 0.00	40.84 1.62 0.00	50.97 2.07 0.00	52.85 2.08 0.00	62.44 2.31 0.00	50.30 2.10 0.00	52.65 2.32 0.00	46.47 1.97 0.00	43.69 1.75 0.00	41.06 1.67 0.00	36.95 1.38 0.00	37.18 1.53 0.00	33.80 1.37 0.00	27.72 1.23 0.00	22.61 1.09 0.00	19.51 0.99 0.00	35.75 1.71 0.00	52.87 2.33 0.00	70.95 2.96 0.00	65.32 2.69 0.00	58.84 2.43 0.00	47.35 1.88 0.00	42.47 1.66 0.00
DANSKAMMER___3 23590	46.81 1.85 0.00	40.84 1.62 0.00	50.97 2.07 0.00	52.85 2.08 0.00	62.44 2.31 0.00	50.30 2.10 0.00	52.65 2.32 0.00	46.47 1.97 0.00	43.69 1.75 0.00	41.06 1.67 0.00	36.95 1.38 0.00	37.18 1.53 0.00	33.80 1.37 0.00	27.72 1.23 0.00	22.61 1.09 0.00	19.51 0.99 0.00	35.75 1.71 0.00	52.87 2.33 0.00	70.95 2.96 0.00	65.32 2.69 0.00	58.84 2.43 0.00	47.35 1.88 0.00	42.47 1.66 0.00
DANSKAMMER___4	46.81	40.84	50.97	52.85	62.44	50.30	52.65	46.47	43.69	41.06	36.95	37.18	33.80	27.72	22.61	19.51	35.75	52.87	70.95	65.32	58.84	47.35	42.47

23591	1.85 0.00	1.62 0.00	2.07 0.00	2.08 0.00	2.31 0.00	2.10 0.00	2.32 0.00	1.97 0.00	1.75 0.00	1.67 0.00	1.38 0.00	1.53 0.00	1.37 0.00	1.23 0.00	1.09 0.00	0.99 0.00	1.71 0.00	2.33 0.00	2.96 0.00	2.69 0.00	2.43 0.00	1.88 0.00	1.66 0.00
DANSKAMMER___DIESEL 23592	46.80 1.85 0.00	40.84 1.62 0.00	50.97 2.07 0.00	52.85 2.08 0.00	62.44 2.31 0.00	50.30 2.10 0.00	52.65 2.32 0.00	46.48 1.97 0.00	43.69 1.75 0.00	41.07 1.67 0.00	36.94 1.37 0.00	37.18 1.53 0.00	33.80 1.38 0.00	27.73 1.23 0.00	22.61 1.09 0.00	19.51 0.99 0.00	35.76 1.71 0.00	52.88 2.33 0.00	70.97 2.98 0.00	65.33 2.70 0.00	58.85 2.43 0.00	47.37 1.90 0.00	42.49 1.67 0.00
DARBY___SOLAR 323810	47.48 2.53 0.00	41.44 2.22 0.00	51.83 2.93 0.00	53.73 2.96 0.00	63.49 3.36 0.00	50.97 2.77 0.00	53.49 3.16 0.00	47.22 2.71 0.00	44.16 2.22 0.00	41.37 1.97 0.00	37.39 1.82 0.00	37.45 1.80 0.00	34.12 1.70 0.00	28.00 1.49 0.00	22.81 1.29 0.00	19.58 1.05 0.00	36.09 2.04 0.00	53.48 2.93 0.00	71.74 3.76 0.00	66.00 3.37 0.00	59.54 3.12 0.00	47.88 2.42 0.00	42.93 2.11 0.00
DASHVILLE___HYD 23610	46.53 1.59 0.00	40.61 1.39 0.00	50.68 1.78 0.00	52.55 1.78 0.00	62.09 1.97 0.00	50.02 1.82 0.00	52.35 2.02 0.00	46.21 1.70 0.00	43.47 1.52 0.00	40.87 1.47 0.00	36.74 1.17 0.00	36.96 1.31 0.00	33.58 1.15 0.00	27.60 1.10 0.00	22.47 0.95 0.00	19.38 0.85 0.00	35.50 1.45 0.00	52.51 1.96 0.00	70.50 2.52 0.00	64.93 2.30 0.00	58.50 2.08 0.00	47.09 1.63 0.00	42.25 1.43 0.00
DEERFIELD_69_KV_DEERFIELD LD 355887	46.70 1.75 0.00	40.65 1.43 0.00	50.89 1.99 0.00	52.72 1.95 0.00	62.33 2.20 0.00	50.39 2.19 0.00	52.25 1.91 0.00	46.32 1.82 0.00	43.63 1.69 0.00	41.10 1.71 0.00	36.87 1.30 0.00	36.79 1.14 0.00	33.33 0.91 0.00	27.20 0.70 0.00	22.35 0.83 0.00	19.55 1.02 0.00	35.90 1.85 0.00	53.18 2.63 0.00	69.78 1.79 0.00	64.52 1.88 0.00	59.06 2.64 0.00	47.53 2.06 0.00	43.08 2.26 0.00
DELAWARE___LFGE 323621	45.85 0.90 0.00	40.03 0.81 0.00	49.95 1.05 0.00	51.89 1.12 0.00	61.43 1.31 0.00	49.28 1.08 0.00	51.45 1.12 0.00	45.48 0.98 0.00	42.80 0.85 0.00	40.16 0.77 0.00	36.26 0.69 0.00	36.33 0.68 0.00	33.00 0.58 0.00	26.96 0.46 0.00	21.86 0.34 0.00	18.87 0.34 0.00	34.68 0.64 0.00	51.55 1.00 0.00	69.39 1.41 0.00	63.93 1.30 0.00	57.52 1.10 0.00	46.29 0.82 0.00	41.46 0.64 0.00
DERFIELD_115KV_TB7 355931	45.18 0.23 0.00	39.41 0.20 0.00	49.14 0.25 0.00	50.99 0.21 0.00	60.36 0.23 0.00	48.48 0.28 0.00	50.68 0.35 0.00	44.81 0.30 0.00	42.17 0.23 0.00	39.60 0.20 0.00	35.73 0.16 0.00	35.78 0.12 0.00	32.58 0.16 0.00	26.63 0.13 0.00	21.61 0.09 0.00	18.62 0.09 0.00	34.22 0.17 0.00	50.77 0.22 0.00	68.27 0.28 0.00	62.90 0.26 0.00	56.75 0.33 0.00	45.77 0.30 0.00	41.03 0.21 0.00
DOGLEVILLE___HYD 23807	45.55 0.61 0.00	39.71 0.49 0.00	49.62 0.72 0.00	51.54 0.77 0.00	60.89 0.77 0.00	49.25 1.05 0.00	51.74 1.41 0.00	45.68 1.17 0.00	42.34 0.40 0.00	39.52 0.12 0.00	35.65 0.08 0.00	35.70 0.04 0.00	32.52 0.09 0.00	26.70 0.20 0.00	21.60 0.07 0.00	18.46 -0.07 0.00	34.44 0.39 0.00	51.59 1.05 0.00	69.36 1.37 0.00	63.60 0.97 0.00	57.59 1.17 0.00	46.35 0.88 0.00	41.48 0.66 0.00
DUNKIRK___115KV_TB_200 55889	42.95 -2.00 0.00	37.47 -1.75 0.00	47.17 -1.73 0.00	48.85 -1.91 0.00	57.52 -2.61 0.00	45.13 -3.06 0.00	46.47 -3.86 0.00	40.99 -3.52 0.00	36.54 -3.15 2.26	32.25 -3.36 3.78	29.34 -2.72 3.51	29.59 -2.56 3.50	26.60 -2.54 3.29	21.48 -2.21 2.82	17.34 -1.65 2.53	14.73 -1.49 2.32	28.34 -2.85 2.86	41.27 -3.87 5.41	56.92 -4.44 6.63	52.52 -4.22 5.90	46.55 -4.38 5.49	37.27 -3.53 4.66	33.37 -3.26 4.19
DUNKIRK___1 23563	42.95 -2.00 0.00	37.47 -1.75 0.00	47.17 -1.73 0.00	48.85 -1.91 0.00	57.52 -2.61 0.00	45.13 -3.06 0.00	46.47 -3.86 0.00	40.99 -3.52 0.00	36.54 -3.15 2.26	32.25 -3.36 3.78	29.34 -2.72 3.51	29.59 -2.56 3.50	26.60 -2.54 3.29	21.48 -2.21 2.82	17.34 -1.65 2.53	14.73 -1.49 2.32	28.34 -2.85 2.86	41.27 -3.87 5.41	56.92 -4.44 6.63	52.52 -4.22 5.90	46.55 -4.38 5.49	37.27 -3.53 4.66	33.37 -3.26 4.19
DUNKIRK___2 23564	42.95 -2.00 0.00	37.47 -1.75 0.00	47.17 -1.73 0.00	48.85 -1.91 0.00	57.52 -2.61 0.00	45.13 -3.06 0.00	46.47 -3.86 0.00	40.99 -3.52 0.00	36.54 -3.15 2.26	32.25 -3.36 3.78	29.34 -2.72 3.51	29.59 -2.56 3.50	26.60 -2.54 3.29	21.48 -2.21 2.82	17.34 -1.65 2.53	14.73 -1.49 2.32	28.34 -2.85 2.86	41.27 -3.87 5.41	56.92 -4.44 6.63	52.52 -4.22 5.90	46.55 -4.38 5.49	37.27 -3.53 4.66	33.37 -3.26 4.19
DUNKIRK___3 23565	42.99 -1.96 0.00	37.48 -1.74 0.00	47.11 -1.79 0.00	48.81 -1.96 0.00	57.53 -2.60 0.00	45.15 -3.05 0.00	46.46 -3.87 0.00	41.00 -3.50 0.00	36.34 -3.11 2.50	31.94 -3.28 4.17	29.03 -2.67 3.87	29.21 -2.57 3.87	26.24 -2.56 3.63	21.19 -2.20 3.11	17.06 -1.66 2.80	14.50 -1.48 2.55	28.11 -2.79 3.15	40.70 -3.88 5.97	56.12 -4.62 7.24	51.94 -4.31 6.38	46.05 -4.42 5.95	36.89 -3.53 5.04	33.08 -3.20 4.54
DUNKIRK___4 23566	42.99 -1.96 0.00	37.48 -1.74 0.00	47.11 -1.79 0.00	48.81 -1.96 0.00	57.53 -2.60 0.00	45.15 -3.05 0.00	46.46 -3.87 0.00	41.00 -3.50 0.00	36.34 -3.11 2.50	31.94 -3.28 4.17	29.03 -2.67 3.87	29.21 -2.57 3.87	26.24 -2.56 3.63	21.19 -2.20 3.11	17.06 -1.66 2.80	14.50 -1.48 2.55	28.11 -2.79 3.15	40.70 -3.88 5.97	56.12 -4.62 7.24	51.94 -4.31 6.38	46.05 -4.42 5.95	36.89 -3.53 5.04	33.08 -3.20 4.54
DUNWOODS_138_KV_38W08_REV_LBMP_I 345000	46.58 1.63 0.00	40.66 1.44 0.00	50.74 1.84 0.00	52.62 1.85 0.00	62.10 1.98 0.00	50.12 1.92 0.00	52.45 2.12 0.00	46.31 1.80 0.00	43.57 1.62 0.00	40.99 1.60 0.00	36.78 1.21 0.00	37.05 1.39 0.00	33.78 1.36 0.00	27.66 1.16 0.00	22.59 1.07 0.00	19.50 0.97 0.00	35.66 1.61 0.00	52.62 2.08 0.00	70.48 2.49 0.00	64.93 2.30 0.00	58.52 2.10 0.00	47.13 1.67 0.00	42.33 1.51 0.00
E.WALDEN_115_KV_TR_1_REV_LBMP_G 345009	46.41 1.45 0.00	40.49 1.27 0.00	50.54 1.63 0.00	52.39 1.62 0.00	61.89 1.77 0.00	49.85 1.65 0.00	52.15 1.82 0.00	46.05 1.54 0.00	43.32 1.37 0.00	40.71 1.31 0.00	36.59 1.03 0.00	36.82 1.17 0.00	33.47 1.05 0.00	27.46 0.96 0.00	22.39 0.87 0.00	19.32 0.79 0.00	35.38 1.33 0.00	52.36 1.82 0.00	70.29 2.31 0.00	64.75 2.11 0.00	58.29 1.87 0.00	46.94 1.47 0.00	42.13 1.31 0.00
E179THST_138_KV_TB4_REV_LBMP_J	46.58	40.72	50.82	52.72	62.11	50.29	52.63	46.45	43.70	41.04	36.85	37.20	33.89	27.75	22.66	19.55	35.73	52.60	70.54	64.95	58.61	47.17	42.36

345001	1.63 0.00	1.50 0.00	1.92 0.00	1.95 0.00	1.98 0.00	2.10 0.00	2.31 0.00	1.94 0.00	1.75 0.00	1.64 0.00	1.27 -0.01	1.54 -0.01	1.47 -0.01	1.25 0.00	1.14 0.00	1.02 0.00	1.68 -0.01	2.05 0.00	2.55 0.00	2.32 0.00	2.20 0.00	1.70 0.00	1.54 0.00
E179THST_13_KV_LOAD 356214	46.78 1.83 0.00	40.89 1.66 0.00	51.02 2.12 0.00	52.92 2.15 0.00	62.32 2.20 0.00	50.47 2.27 0.00	52.81 2.48 0.00	46.61 2.11 0.00	43.86 1.92 0.00	41.19 1.80 0.00	37.01 1.43 -0.01	37.36 1.69 -0.01	34.04 1.61 -0.01	27.87 1.37 0.00	22.75 1.23 0.00	19.64 1.10 0.00	35.88 1.83 -0.01	52.83 2.29 0.00	70.86 2.88 0.00	65.24 2.61 0.00	58.87 2.45 0.00	47.36 1.89 0.00	42.53 1.71 0.00
EAST HAMPTON___GT 23717	45.82 0.88 0.00	39.88 0.66 0.00	49.96 1.06 0.00	51.78 1.01 0.00	61.20 1.08 0.00	49.57 1.37 0.00	51.63 1.30 0.00	45.80 1.30 0.00	43.07 1.13 0.00	40.42 1.02 0.00	36.45 0.88 0.00	36.31 0.65 0.00	32.68 0.26 0.00	26.71 0.20 0.00	21.96 0.44 0.00	19.20 0.67 0.00	35.23 1.18 0.00	52.25 1.70 0.00	68.63 0.64 0.00	63.40 0.76 0.00	58.17 1.76 0.00	46.82 1.36 0.00	42.62 1.80 0.00
EAST RIVER___6 23660	46.57 1.62 0.00	40.66 1.44 0.00	50.73 1.83 0.00	52.59 1.82 0.00	62.07 1.95 0.00	50.18 1.98 0.00	52.50 2.17 0.00	46.33 1.82 0.00	43.63 1.68 0.00	41.08 1.69 0.00	36.86 1.29 0.00	37.14 1.49 0.00	33.88 1.45 0.00	27.74 1.24 0.00	22.66 1.14 0.00	19.55 1.02 0.00	35.73 1.68 0.00	52.66 2.12 0.00	70.54 2.55 0.00	64.96 2.33 0.00	58.56 2.14 0.00	47.16 1.69 0.00	42.33 1.51 0.00
EAST RIVER___7 23524	46.57 1.62 0.00	40.66 1.44 0.00	50.73 1.83 0.00	52.59 1.82 0.00	62.07 1.95 0.00	50.18 1.98 0.00	52.50 2.17 0.00	46.33 1.82 0.00	43.63 1.68 0.00	41.08 1.69 0.00	36.86 1.29 0.00	37.14 1.49 0.00	33.88 1.45 0.00	27.74 1.24 0.00	22.66 1.14 0.00	19.55 1.02 0.00	35.73 1.68 0.00	52.66 2.12 0.00	70.54 2.55 0.00	64.96 2.33 0.00	58.56 2.14 0.00	47.16 1.69 0.00	42.33 1.51 0.00
EASTVIEW_138_KV_38W32_REV_LBMP_I 345002	46.51 1.56 0.00	40.59 1.37 0.00	50.65 1.74 0.00	52.49 1.72 0.00	61.98 1.85 0.00	49.99 1.79 0.00	52.32 1.99 0.00	46.19 1.68 0.00	43.45 1.50 0.00	40.90 1.50 0.00	36.71 1.14 0.00	36.96 1.31 0.00	33.69 1.27 0.00	27.60 1.10 0.00	22.53 1.01 0.00	19.45 0.92 0.00	35.58 1.53 0.00	52.52 1.98 0.00	70.38 2.39 0.00	64.82 2.19 0.00	58.43 2.01 0.00	47.06 1.60 0.00	42.25 1.43 0.00
EAST_HAMPTON___DIESEL 23722	45.67 0.72 0.00	39.76 0.54 0.00	49.79 0.88 0.00	51.59 0.82 0.00	60.99 0.87 0.00	49.42 1.22 0.00	51.50 1.17 0.00	45.69 1.18 0.00	42.96 1.02 0.00	40.31 0.91 0.00	36.37 0.81 0.00	36.22 0.56 0.00	32.57 0.15 0.00	26.62 0.12 0.00	21.89 0.37 0.00	19.14 0.61 0.00	35.11 1.06 0.00	52.07 1.53 0.00	68.43 0.44 0.00	63.20 0.57 0.00	57.99 1.58 0.00	46.69 1.22 0.00	42.52 1.70 0.00
EAST_POINT___SOLAR 323840	47.57 2.62 0.00	41.46 2.24 0.00	51.75 2.85 0.00	53.74 2.98 0.00	63.83 3.71 0.00	51.34 3.15 0.00	53.57 3.23 0.00	47.28 2.77 0.00	43.46 1.52 0.00	40.36 0.97 0.00	37.15 1.58 0.00	37.10 1.45 0.00	33.76 1.34 0.00	27.48 0.98 0.00	21.78 0.26 0.00	18.77 0.24 0.00	35.02 0.97 0.00	53.62 3.08 0.00	72.82 4.83 0.00	67.20 4.56 0.00	60.34 3.93 0.00	48.48 3.01 0.00	43.34 2.52 0.00
EAST_PULASKI___ESR 323781	43.53 -1.41 0.00	37.93 -1.29 0.00	47.29 -1.61 0.00	49.06 -1.71 0.00	58.12 -2.01 0.00	46.53 -1.66 0.00	48.59 -1.75 0.00	42.89 -1.62 0.00	40.49 -1.46 0.00	38.09 -1.31 0.00	34.40 -1.17 0.00	34.31 -1.34 0.00	31.01 -1.41 0.00	25.14 -1.36 0.00	20.41 -1.11 0.00	17.59 -0.94 0.00	32.48 -1.57 0.00	48.84 -1.71 0.00	65.84 -2.15 0.00	60.75 -1.89 0.00	54.75 -1.67 0.00	44.35 -1.11 0.00	39.54 -1.28 0.00
EAST_RIVER___1 323558	46.60 1.65 0.00	40.69 1.47 0.00	50.76 1.85 0.00	52.63 1.86 0.00	62.11 1.99 0.00	50.22 2.02 0.00	52.54 2.21 0.00	46.36 1.85 0.00	43.65 1.70 0.00	41.10 1.70 0.00	36.88 1.31 0.00	37.16 1.50 0.00	33.88 1.46 0.00	27.74 1.24 0.00	22.66 1.14 0.00	19.56 1.03 0.00	35.73 1.68 0.00	52.68 2.14 0.00	70.58 2.59 0.00	64.99 2.36 0.00	58.58 2.16 0.00	47.16 1.70 0.00	42.34 1.53 0.00
EAST_RIVER___2 323559	46.57 1.62 0.00	40.66 1.44 0.00	50.73 1.83 0.00	52.59 1.82 0.00	62.07 1.95 0.00	50.18 1.98 0.00	52.50 2.17 0.00	46.33 1.82 0.00	43.63 1.68 0.00	41.08 1.69 0.00	36.86 1.29 0.00	37.14 1.49 0.00	33.88 1.45 0.00	27.74 1.24 0.00	22.66 1.14 0.00	19.55 1.02 0.00	35.73 1.68 0.00	52.66 2.12 0.00	70.54 2.55 0.00	64.96 2.33 0.00	58.56 2.14 0.00	47.16 1.69 0.00	42.33 1.51 0.00
EAST___DELAWARE_HYD 23607	47.12 2.17 0.00	41.10 1.89 0.00	51.30 2.40 0.00	53.19 2.42 0.00	62.89 2.77 0.00	50.61 2.42 0.00	52.94 2.61 0.00	46.73 2.23 0.00	43.98 2.03 0.00	41.25 1.85 0.00	37.12 1.56 0.00	37.37 1.71 0.00	33.72 1.29 0.00	27.78 1.28 0.00	22.58 1.06 0.00	19.45 0.92 0.00	35.69 1.65 0.00	52.97 2.42 0.00	71.32 3.33 0.00	65.72 3.08 0.00	59.13 2.71 0.00	47.56 2.10 0.00	42.64 1.83 0.00
EIGHT_POINT___WT_PWR 323820	41.17 -3.78 0.00	36.18 -3.04 0.00	45.56 -3.34 0.00	47.60 -3.17 0.00	56.88 -3.24 0.00	43.95 -4.25 0.00	45.33 -5.00 0.00	40.34 -4.17 0.00	54.03 -3.77 -15.85	61.38 -4.51 -26.49	55.52 -4.63 -24.58	55.35 -4.86 -24.56	50.81 -4.66 -23.05	42.36 -3.88 -19.73	36.15 -3.12 -17.75	32.15 -2.60 -16.22	49.86 -4.21 -20.02	83.59 -4.85 -37.89	111.16 -5.16 -48.33	102.28 -4.75 -44.39	92.89 -4.90 -41.37	76.08 -4.47 -35.08	68.09 -4.28 -31.55
ELBRIDGE_115KV_TB2 80188	43.83 -1.12 0.00	38.23 -0.99 0.00	47.66 -1.24 0.00	49.52 -1.25 0.00	58.64 -1.49 0.00	46.87 -1.33 0.00	48.81 -1.52 0.00	43.05 -1.46 0.00	40.70 -1.24 0.00	38.14 -1.26 0.00	34.45 -1.12 0.00	34.50 -1.16 0.00	31.28 -1.14 0.00	25.46 -1.04 0.00	20.70 -0.82 0.00	17.83 -0.70 0.00	32.92 -1.13 0.00	49.13 -1.41 0.00	66.17 -1.82 0.00	60.85 -1.78 0.00	54.70 -1.72 0.00	44.07 -1.40 0.00	39.53 -1.28 0.00
ELEC_TRO_TEK 24086	46.99 2.04 0.00	40.97 1.76 0.00	51.08 2.18 0.00	52.90 2.13 0.00	62.46 2.33 0.00	50.44 2.24 0.00	52.66 2.33 0.00	46.50 1.99 0.00	43.74 1.80 0.00	41.25 1.86 0.00	36.92 1.35 0.00	37.14 1.48 0.00	33.87 1.45 0.00	27.67 1.17 0.00	22.67 1.15 0.00	19.63 1.10 0.00	35.93 1.88 0.00	53.04 2.49 0.00	70.65 2.67 0.00	65.27 2.63 0.00	58.99 2.57 0.00	47.57 2.10 0.00	42.77 1.95 0.00
ELLENBURG_WT_PWR	44.58	38.97	48.67	50.71	60.49	48.30	50.49	44.82	42.23	39.63	35.86	36.12	32.96	26.97	21.76	18.52	34.11	51.34	69.36	63.87	57.47	46.01	41.68

323604	-0.37 0.00	-0.25 0.00	-0.23 0.00	-0.06 0.00	0.36 0.00	0.11 0.00	0.16 0.00	0.32 0.00	0.28 0.00	0.23 0.00	0.29 0.00	0.47 0.00	0.54 0.00	0.47 0.00	0.24 0.00	-0.01 0.00	0.07 0.00	0.79 0.00	1.37 0.00	1.24 0.00	1.06 0.00	0.54 0.00	0.86 0.00
ELM_ST_23_KV_LD_REV_LBMP_A 345012	42.81 -2.14 0.00	37.27 -1.95 0.00	46.68 -2.23 0.00	48.36 -2.41 0.00	57.10 -3.02 0.00	44.75 -3.45 0.00	46.04 -4.29 0.00	40.66 -3.85 0.00	35.55 -3.31 3.09	30.85 -3.38 5.17	28.03 -2.74 4.79	28.10 -2.77 4.79	25.17 -2.76 4.49	20.31 -2.34 3.85	16.24 -1.82 3.46	13.78 -1.59 3.16	27.21 -2.93 3.91	38.82 -4.34 7.39	52.89 -5.62 9.47	48.76 -5.14 8.74	43.21 -5.06 8.14	34.61 -3.95 6.90	31.28 -3.33 6.21
EMPIRE_CC_1 323656	46.05 1.10 0.00	40.24 1.02 0.00	50.21 1.31 0.00	52.21 1.44 0.00	61.52 1.39 0.00	49.39 1.20 0.00	51.80 1.47 0.00	45.74 1.24 0.00	42.91 0.97 0.00	40.40 1.00 0.00	36.38 0.82 0.00	36.53 0.87 0.00	33.33 0.91 0.00	27.35 0.85 0.00	22.24 0.72 0.00	19.20 0.67 0.00	35.23 1.17 0.00	51.69 1.14 0.00	69.24 1.25 0.00	63.74 1.11 0.00	57.65 1.23 0.00	46.47 1.00 0.00	41.75 0.94 0.00
EMPIRE_CC_2 323658	46.05 1.10 0.00	40.24 1.02 0.00	50.21 1.31 0.00	52.21 1.44 0.00	61.52 1.39 0.00	49.39 1.20 0.00	51.80 1.47 0.00	45.74 1.24 0.00	42.91 0.97 0.00	40.40 1.00 0.00	36.38 0.82 0.00	36.53 0.87 0.00	33.33 0.91 0.00	27.35 0.85 0.00	22.24 0.72 0.00	19.20 0.67 0.00	35.23 1.17 0.00	51.69 1.14 0.00	69.24 1.25 0.00	63.74 1.11 0.00	57.65 1.23 0.00	46.47 1.00 0.00	41.75 0.94 0.00
ENORWICH_115KV_TB1 80156	45.87 0.93 0.00	40.28 1.06 0.00	50.59 1.69 0.00	53.88 3.11 0.00	63.98 3.86 0.00	50.97 2.78 0.00	53.00 2.66 0.00	46.84 2.33 0.00	44.52 1.73 -0.85	42.00 1.19 -1.41	38.17 1.29 -1.31	37.62 0.66 -1.31	33.88 0.23 -1.23	27.54 -0.01 -1.05	22.06 -0.40 -0.95	19.17 -0.23 -0.87	35.67 0.55 -1.07	55.03 2.46 -2.02	75.08 4.51 -2.58	69.48 4.47 -2.37	62.29 3.66 -2.21	49.67 2.33 -1.88	43.96 1.46 -1.69
ERIE_ST__34_KV_TB1-2 80199	43.71 -1.24 0.00	38.03 -1.19 0.00	47.65 -1.25 0.00	49.34 -1.43 0.00	58.31 -1.81 0.00	45.71 -2.49 0.00	47.07 -3.26 0.00	41.57 -2.94 0.00	36.78 -2.54 2.62	32.27 -2.74 4.39	29.35 -2.15 4.07	29.37 -2.21 4.07	26.32 -2.29 3.82	21.29 -1.94 3.27	17.09 -1.49 2.94	14.55 -1.29 2.69	28.46 -2.27 3.32	40.92 -3.35 6.27	55.73 -4.25 8.01	51.41 -3.85 7.37	45.64 -3.91 6.87	36.59 -3.05 5.82	32.97 -2.61 5.24
ERIE_WT_PWR 323693	43.18 -1.77 0.00	37.55 -1.67 0.00	47.08 -1.82 0.00	48.80 -1.97 0.00	57.64 -2.48 0.00	45.16 -3.04 0.00	46.45 -3.88 0.00	41.02 -3.48 0.00	36.21 -2.97 2.77	31.72 -3.05 4.63	28.78 -2.50 4.29	28.83 -2.54 4.29	25.85 -2.55 4.03	20.88 -2.17 3.44	16.72 -1.70 3.10	14.22 -1.48 2.83	27.90 -2.65 3.50	40.07 -3.86 6.61	54.55 -4.98 8.46	50.29 -4.56 7.78	44.63 -4.54 7.25	35.76 -3.56 6.15	32.28 -3.01 5.53
ESPRGFLD_115KV_TB1 80157	46.15 1.20 0.00	40.27 1.05 0.00	50.25 1.34 0.00	52.23 1.46 0.00	62.04 1.91 0.00	49.85 1.65 0.00	51.86 1.53 0.00	45.90 1.39 0.00	43.14 1.19 0.00	40.44 1.04 0.00	36.56 1.00 0.00	36.49 0.84 0.00	33.10 0.68 0.00	26.90 0.40 0.00	21.63 0.11 0.00	18.71 0.18 0.00	34.49 0.44 0.00	51.98 1.43 0.00	70.36 2.38 0.00	64.97 2.34 0.00	58.38 1.96 0.00	46.96 1.50 0.00	42.02 1.21 0.00
ETNA_115_KV_TB1_REV_LBMP_C 345029	44.97 0.02 0.00	39.23 0.01 0.00	49.01 0.11 0.00	51.01 0.24 0.00	60.46 0.33 0.00	48.27 0.06 0.00	50.26 -0.08 0.00	44.30 -0.20 0.00	43.12 -0.19 -1.37	41.26 -0.43 -2.30	37.28 -0.42 -2.13	37.33 -0.46 -2.13	33.77 -0.65 -2.00	27.47 -0.75 -1.71	22.44 -0.62 -1.54	19.45 -0.48 -1.41	35.24 -0.55 -1.74	53.74 -0.09 -3.29	72.45 0.27 -4.19	66.70 0.21 -3.85	60.00 -0.02 -3.59	48.39 -0.13 -3.05	43.31 -0.25 -2.74
ETNA____115KV_TB2 80207	44.97 0.02 0.00	39.23 0.01 0.00	49.01 0.11 0.00	51.01 0.24 0.00	60.46 0.33 0.00	48.27 0.06 0.00	50.26 -0.08 0.00	44.30 -0.20 0.00	43.12 -0.19 -1.37	41.26 -0.43 -2.30	37.28 -0.42 -2.13	37.33 -0.46 -2.13	33.77 -0.65 -2.00	27.47 -0.75 -1.71	22.44 -0.62 -1.54	19.45 -0.48 -1.41	35.24 -0.55 -1.74	53.74 -0.09 -3.29	72.45 0.27 -4.19	66.70 0.21 -3.85	60.00 -0.02 -3.59	48.39 -0.13 -3.05	43.31 -0.25 -2.74
EUCLID____115KV_TB2 356179	43.48 -1.47 0.00	37.93 -1.29 0.00	47.33 -1.57 0.00	49.12 -1.65 0.00	58.15 -1.97 0.00	46.48 -1.72 0.00	48.43 -1.90 0.00	42.78 -1.73 0.00	40.40 -1.55 0.00	37.90 -1.50 0.00	34.26 -1.31 0.00	34.29 -1.36 0.00	31.14 -1.28 0.00	25.38 -1.12 0.00	20.62 -0.90 0.00	17.78 -0.76 0.00	32.75 -1.30 0.00	48.76 -1.79 0.00	65.62 -2.36 0.00	60.41 -2.22 0.00	54.29 -2.13 0.00	43.75 -1.71 0.00	39.25 -1.57 0.00
E_CANADA_CAP_HY 24051	46.57 1.62 0.00	40.60 1.38 0.00	50.63 1.73 0.00	52.60 1.83 0.00	62.53 2.40 0.00	50.31 2.11 0.00	52.37 2.04 0.00	46.32 1.81 0.00	43.34 1.39 0.00	40.56 1.16 0.00	36.75 1.19 0.00	36.65 1.00 0.00	33.30 0.88 0.00	27.10 0.60 0.00	21.68 0.16 0.00	18.71 0.18 0.00	34.55 0.50 0.00	52.43 1.89 0.00	71.11 3.12 0.00	65.70 3.07 0.00	59.10 2.69 0.00	47.59 2.12 0.00	42.63 1.81 0.00
E_CANADA_MHWK_HY 24050	45.55 0.61 0.00	39.71 0.49 0.00	49.62 0.72 0.00	51.54 0.77 0.00	60.89 0.77 0.00	49.25 1.05 0.00	51.74 1.41 0.00	45.68 1.17 0.00	42.34 0.40 0.00	39.52 0.12 0.00	35.65 0.08 0.00	35.70 0.04 0.00	32.52 0.09 0.00	26.70 0.20 0.00	21.60 0.07 0.00	18.46 -0.07 0.00	34.44 0.39 0.00	51.59 1.05 0.00	69.36 1.37 0.00	63.60 0.97 0.00	57.59 1.17 0.00	46.35 0.88 0.00	41.48 0.66 0.00
E_FISHKILL__LBMP 23776	46.31 1.36 0.00	40.42 1.20 0.00	50.45 1.55 0.00	52.28 1.52 0.00	61.75 1.63 0.00	49.77 1.57 0.00	52.10 1.76 0.00	46.01 1.50 0.00	43.25 1.31 0.00	40.67 1.28 0.00	36.54 0.97 0.00	36.78 1.13 0.00	33.53 1.11 0.00	27.48 0.98 0.00	22.42 0.90 0.00	19.35 0.82 0.00	35.41 1.36 0.00	52.27 1.72 0.00	70.07 2.09 0.00	64.53 1.90 0.00	58.16 1.75 0.00	46.84 1.38 0.00	42.05 1.23 0.00
FALCON__SEABRD_CC1 323796	44.58 -0.37 0.00	39.07 -0.15 0.00	48.96 0.06 0.00	51.06 0.29 0.00	61.09 0.97 0.00	48.82 0.62 0.00	51.09 0.75 0.00	45.32 0.82 0.00	42.59 0.65 0.00	39.89 0.49 0.00	36.19 0.62 0.00	36.55 0.90 0.00	33.52 1.10 0.00	27.49 0.99 0.00	22.07 0.55 0.00	18.68 0.15 0.00	34.30 0.25 0.00	52.24 1.69 0.00	70.89 2.90 0.00	65.14 2.50 0.00	58.72 2.30 0.00	46.75 1.28 0.00	42.48 1.66 0.00
FALCON__SEABRD_CC2	44.58	39.07	48.96	51.06	61.09	48.82	51.09	45.32	42.59	39.89	36.19	36.55	33.52	27.49	22.07	18.68	34.30	52.24	70.89	65.14	58.72	46.75	42.48

323797	-0.37 0.00	-0.15 0.00	0.06 0.00	0.29 0.00	0.97 0.00	0.62 0.00	0.75 0.00	0.82 0.00	0.65 0.00	0.49 0.00	0.62 0.00	0.90 0.00	1.10 0.00	0.99 0.00	0.55 0.00	0.15 0.00	0.25 0.00	1.69 0.00	2.90 0.00	2.50 0.00	2.30 0.00	1.28 0.00	1.66 0.00
FAR ROCKAWAY___4 23548	47.57 2.62 0.00	41.49 2.27 0.00	51.68 2.78 0.00	53.51 2.74 0.00	63.14 3.02 0.00	51.01 2.82 0.00	53.26 2.93 0.00	46.99 2.49 0.00	44.21 2.27 0.00	41.72 2.32 0.00	37.31 1.74 0.00	37.54 1.88 0.00	34.23 1.81 0.00	27.94 1.44 0.00	22.92 1.40 0.00	19.85 1.32 0.00	36.34 2.29 0.00	53.65 3.11 0.00	71.53 3.54 0.00	66.08 3.44 0.00	59.71 3.30 0.00	48.14 2.68 0.00	43.28 2.46 0.00
FARRAGUT_138_KV_32071_REV_LBMP_J 345003	46.64 1.69 0.00	40.73 1.51 0.00	50.80 1.90 0.00	52.67 1.90 0.00	62.16 2.04 0.00	50.24 2.04 0.00	52.58 2.25 0.00	46.39 1.89 0.00	43.69 1.74 0.00	41.14 1.75 0.00	36.91 1.34 0.00	37.19 1.54 0.00	33.92 1.50 0.00	27.77 1.27 0.00	22.67 1.15 0.00	19.57 1.04 0.00	35.76 1.72 0.00	52.73 2.18 0.00	70.66 2.67 0.00	65.05 2.42 0.00	58.64 2.22 0.00	47.22 1.75 0.00	42.39 1.57 0.00
FARRAGUT_138_KV_38B01_REV_LBMP_J 345016	46.65 1.70 0.00	40.74 1.52 0.00	50.83 1.92 0.00	52.69 1.92 0.00	62.19 2.07 0.00	50.26 2.07 0.00	52.59 2.26 0.00	46.42 1.91 0.00	43.70 1.75 0.00	41.16 1.76 0.00	36.92 1.35 0.00	37.21 1.55 0.00	33.93 1.50 0.00	27.79 1.29 0.00	22.69 1.17 0.00	19.58 1.05 0.00	35.78 1.73 0.00	52.77 2.22 0.00	70.69 2.70 0.00	65.09 2.46 0.00	58.67 2.25 0.00	47.25 1.78 0.00	42.42 1.60 0.00
FARRAGUT_138_KV_38M12_REV_LBMP_J 345017	46.61 1.66 0.00	40.70 1.48 0.00	50.78 1.88 0.00	52.66 1.89 0.00	62.15 2.02 0.00	50.22 2.02 0.00	52.56 2.22 0.00	46.38 1.88 0.00	43.66 1.72 0.00	41.13 1.74 0.00	36.90 1.33 0.00	37.17 1.52 0.00	33.90 1.48 0.00	27.77 1.27 0.00	22.67 1.15 0.00	19.56 1.03 0.00	35.75 1.70 0.00	52.72 2.17 0.00	70.62 2.63 0.00	65.03 2.40 0.00	58.61 2.20 0.00	47.20 1.73 0.00	42.38 1.56 0.00
FARRAGUT___LBMP 323566	46.59 1.63 0.00	40.67 1.45 0.00	50.75 1.84 0.00	52.61 1.84 0.00	62.10 1.98 0.00	50.18 1.98 0.00	52.52 2.19 0.00	46.35 1.84 0.00	43.63 1.68 0.00	41.09 1.70 0.00	36.86 1.29 0.00	37.14 1.49 0.00	33.87 1.45 0.00	27.74 1.24 0.00	22.65 1.13 0.00	19.55 1.02 0.00	35.73 1.68 0.00	52.67 2.12 0.00	70.57 2.58 0.00	64.97 2.34 0.00	58.57 2.15 0.00	47.16 1.69 0.00	42.34 1.53 0.00
FENNER___WINDPWR 24204	45.15 0.20 0.00	39.37 0.15 0.00	49.11 0.20 0.00	51.05 0.27 0.00	60.47 0.34 0.00	48.49 0.29 0.00	50.65 0.32 0.00	44.77 0.26 0.00	42.15 0.20 0.00	39.53 0.13 0.00	35.67 0.10 0.00	35.54 -0.11 0.00	32.39 -0.04 0.00	26.25 -0.25 0.00	21.28 -0.24 0.00	18.38 -0.15 0.00	34.04 0.00 0.00	50.96 0.41 0.00	68.78 0.79 0.00	63.26 0.63 0.00	56.93 0.51 0.00	45.84 0.38 0.00	40.96 0.14 0.00
FIBERTEK___ENERGY 23856	44.05 -0.90 0.00	38.42 -0.80 0.00	47.92 -0.98 0.00	49.75 -1.02 0.00	58.92 -1.21 0.00	47.11 -1.09 0.00	49.07 -1.26 0.00	43.30 -1.21 0.00	40.91 -1.03 0.00	38.36 -1.04 0.00	34.65 -0.91 0.00	34.71 -0.94 0.00	31.48 -0.94 0.00	25.61 -0.89 0.00	20.82 -0.70 0.00	17.95 -0.58 0.00	33.15 -0.89 0.00	49.46 -1.09 0.00	66.58 -1.40 0.00	61.24 -1.39 0.00	55.04 -1.38 0.00	44.34 -1.13 0.00	39.76 -1.06 0.00
FITZPATRICK___ 23598	42.99 -1.96 0.00	37.50 -1.72 0.00	46.79 -2.11 0.00	48.57 -2.20 0.00	57.48 -2.64 0.00	45.99 -2.21 0.00	47.95 -2.38 0.00	42.38 -2.13 0.00	40.03 -1.92 0.00	37.58 -1.82 0.00	33.96 -1.61 0.00	33.99 -1.66 0.00	30.89 -1.53 0.00	25.22 -1.28 0.00	20.48 -1.04 0.00	17.63 -0.90 0.00	32.45 -1.60 0.00	48.24 -2.31 0.00	64.90 -3.09 0.00	59.76 -2.87 0.00	53.75 -2.67 0.00	43.33 -2.14 0.00	38.90 -1.92 0.00
FLOWRFLD_69_KV_BK1 356044	47.32 2.37 0.00	41.19 1.97 0.00	51.39 2.49 0.00	53.23 2.46 0.00	62.87 2.75 0.00	50.80 2.60 0.00	52.80 2.47 0.00	46.68 2.17 0.00	43.97 2.03 0.00	41.51 2.11 0.00	37.03 1.46 0.00	37.15 1.49 0.00	33.87 1.45 0.00	27.60 1.10 0.00	22.68 1.16 0.00	19.77 1.24 0.00	36.27 2.22 0.00	53.60 3.05 0.00	70.81 2.83 0.00	65.51 2.88 0.00	59.55 3.13 0.00	47.96 2.49 0.00	43.23 2.41 0.00
FORGEBRK_115_KV_TR1_2_REV_LBMP_G 345010	46.90 1.95 0.00	40.93 1.71 0.00	51.08 2.18 0.00	52.95 2.18 0.00	62.57 2.45 0.00	50.40 2.21 0.00	52.76 2.43 0.00	46.57 2.06 0.00	43.79 1.84 0.00	41.16 1.76 0.00	37.03 1.46 0.00	37.27 1.61 0.00	33.87 1.45 0.00	27.79 1.29 0.00	22.66 1.14 0.00	19.56 1.03 0.00	35.84 1.79 0.00	53.00 2.46 0.00	71.12 3.13 0.00	65.49 2.86 0.00	58.97 2.55 0.00	47.46 1.99 0.00	42.57 1.75 0.00
FORT ORANGE___ 23900	46.76 1.82 0.00	40.80 1.58 0.00	50.94 2.04 0.00	52.89 2.12 0.00	62.49 2.36 0.00	50.17 1.98 0.00	52.55 2.21 0.00	46.38 1.87 0.00	43.57 1.62 0.00	40.89 1.49 0.00	36.91 1.34 0.00	37.06 1.41 0.00	33.69 1.27 0.00	27.66 1.16 0.00	22.45 0.93 0.00	19.31 0.78 0.00	35.50 1.45 0.00	52.59 2.04 0.00	70.71 2.72 0.00	65.09 2.45 0.00	58.66 2.24 0.00	47.25 1.78 0.00	42.39 1.57 0.00
FORT_DRUM_COGEN 23780	44.15 -0.80 0.00	38.37 -0.85 0.00	47.77 -1.13 0.00	49.60 -1.17 0.00	59.00 -1.13 0.00	47.56 -0.63 0.00	49.85 -0.48 0.00	43.94 -0.57 0.00	41.34 -0.61 0.00	39.01 -0.39 0.00	35.09 -0.48 0.00	34.58 -1.07 0.00	31.00 -1.43 0.00	24.82 -1.68 0.00	20.14 -1.38 0.00	17.45 -1.08 0.00	32.32 -1.73 0.00	49.76 -0.78 0.00	67.47 -0.51 0.00	62.48 -0.16 0.00	56.67 0.25 0.00	46.34 0.87 0.00	40.71 -0.11 0.00
FOX_HILLS___ESR 323835	60.24 2.06 -13.23	60.12 1.85 -19.04	58.88 2.31 -7.67	58.87 2.34 -5.76	62.47 2.28 -0.07	59.80 2.40 -9.20	59.36 2.63 -6.40	60.28 2.24 -13.54	59.58 2.06 -15.57	60.29 2.04 -18.85	58.99 1.67 -21.75	59.00 1.90 -21.45	58.55 1.82 -24.30	58.57 1.55 -30.52	58.69 1.37 -35.79	60.06 1.23 -40.29	60.24 2.05 -24.14	60.48 2.56 -7.38	71.10 3.11 0.00	65.49 2.85 0.00	62.48 2.65 -3.41	60.22 2.11 -12.64	61.99 1.92 -19.24
FPL_FAR_ROCK_GT1 24212	47.57 2.62 0.00	41.49 2.28 0.00	51.68 2.78 0.00	53.51 2.74 0.00	63.15 3.02 0.00	51.01 2.81 0.00	53.26 2.92 0.00	46.99 2.48 0.00	44.21 2.27 0.00	41.71 2.32 0.00	37.30 1.74 0.00	37.53 1.88 0.00	34.23 1.81 0.00	27.94 1.44 0.00	22.93 1.41 0.00	19.85 1.33 0.00	36.33 2.29 0.00	53.65 3.11 0.00	71.51 3.53 0.00	66.06 3.42 0.00	59.70 3.29 0.00	48.14 2.67 0.00	43.27 2.46 0.00
FPL_FAR_ROCK_GT2	47.57	41.49	51.68	53.51	63.15	51.01	53.26	46.99	44.21	41.71	37.30	37.53	34.23	27.94	22.93	19.85	36.33	53.65	71.51	66.06	59.70	48.14	43.27

23815	2.62 0.00	2.28 0.00	2.78 0.00	2.74 0.00	3.02 0.00	2.81 0.00	2.92 0.00	2.48 0.00	2.27 0.00	2.32 0.00	1.74 0.00	1.88 0.00	1.81 0.00	1.44 0.00	1.41 0.00	1.33 0.00	2.29 0.00	3.11 0.00	3.53 0.00	3.42 0.00	3.29 0.00	2.67 0.00	2.46 0.00
FRANKLIN_FALL_HYD 24054	45.60 0.65 0.00	39.82 0.59 0.00	49.64 0.74 0.00	51.63 0.85 0.00	61.48 1.35 0.00	49.12 0.93 0.00	51.35 1.02 0.00	45.64 1.13 0.00	43.10 1.15 0.00	40.57 1.18 0.00	36.67 1.10 0.00	36.82 1.17 0.00	33.49 1.07 0.00	27.34 0.84 0.00	22.10 0.58 0.00	18.79 0.26 0.00	34.61 0.56 0.00	52.12 1.58 0.00	70.48 2.49 0.00	64.99 2.36 0.00	58.47 2.05 0.00	46.88 1.41 0.00	42.29 1.48 0.00
FREEPORT_EQUS_GT1 23764	47.20 2.25 0.00	41.15 1.93 0.00	51.28 2.38 0.00	53.11 2.34 0.00	62.70 2.57 0.00	50.65 2.45 0.00	52.83 2.50 0.00	46.62 2.12 0.00	43.89 1.94 0.00	41.38 1.99 0.00	37.02 1.45 0.00	37.22 1.57 0.00	33.93 1.51 0.00	27.70 1.20 0.00	22.72 1.20 0.00	19.70 1.17 0.00	36.06 2.02 0.00	53.30 2.76 0.00	70.69 2.71 0.00	65.52 2.88 0.00	59.29 2.88 0.00	47.82 2.35 0.00	42.97 2.15 0.00
FREEPORT___CT2 23818	47.20 2.25 0.00	41.15 1.93 0.00	51.28 2.38 0.00	53.11 2.34 0.00	62.70 2.57 0.00	50.65 2.45 0.00	52.83 2.50 0.00	46.62 2.12 0.00	43.89 1.94 0.00	41.38 1.99 0.00	37.02 1.45 0.00	37.22 1.57 0.00	33.93 1.51 0.00	27.70 1.20 0.00	22.72 1.20 0.00	19.70 1.17 0.00	36.06 2.02 0.00	53.30 2.76 0.00	70.69 2.71 0.00	65.52 2.88 0.00	59.29 2.88 0.00	47.82 2.35 0.00	42.97 2.15 0.00
FRESHKLS_33_KV_LOAD 356253	60.24 2.06 -13.23	60.10 1.83 -19.04	58.86 2.29 -7.67	58.86 2.33 -5.76	62.38 2.18 -0.07	59.75 2.36 -9.20	59.32 2.60 -6.40	60.24 2.20 -13.54	59.53 2.01 -15.57	60.23 1.99 -18.85	58.93 1.61 -21.75	58.95 1.85 -21.45	58.50 1.78 -24.30	58.52 1.51 -30.52	58.66 1.34 -35.79	60.03 1.20 -40.29	60.18 1.99 -24.14	60.40 2.48 -7.38	71.02 3.03 0.00	65.44 2.80 0.00	62.46 2.63 -3.41	60.25 2.14 -12.64	62.00 1.94 -19.24
FULTON COGEN____ 23766	43.32 -1.63 0.00	37.76 -1.46 0.00	47.11 -1.79 0.00	48.89 -1.88 0.00	57.87 -2.25 0.00	46.28 -1.92 0.00	48.22 -2.12 0.00	42.59 -1.92 0.00	40.24 -1.71 0.00	37.77 -1.62 0.00	34.10 -1.47 0.00	34.17 -1.48 0.00	30.99 -1.43 0.00	25.25 -1.26 0.00	20.51 -1.01 0.00	17.71 -0.82 0.00	32.62 -1.43 0.00	48.64 -1.91 0.00	65.44 -2.55 0.00	60.24 -2.39 0.00	54.13 -2.28 0.00	43.63 -1.84 0.00	39.12 -1.69 0.00
FULTON___LFGE 323630	47.14 2.19 0.00	41.10 1.88 0.00	51.30 2.40 0.00	53.25 2.48 0.00	63.18 3.06 0.00	50.79 2.60 0.00	53.03 2.69 0.00	46.82 2.31 0.00	43.49 1.54 0.00	40.60 1.20 0.00	36.89 1.32 0.00	36.75 1.09 0.00	33.49 1.07 0.00	27.42 0.92 0.00	21.93 0.41 0.00	18.72 0.19 0.00	34.79 0.74 0.00	53.10 2.55 0.00	71.97 3.99 0.00	66.40 3.76 0.00	59.68 3.26 0.00	47.98 2.52 0.00	42.94 2.13 0.00
G.F.CEMENT___DRP 24184	48.33 3.39 0.00	42.22 3.00 0.00	52.89 3.99 0.00	54.76 4.00 0.00	64.73 4.61 0.00	51.96 3.76 0.00	54.61 4.28 0.00	48.19 3.68 0.00	45.04 3.09 0.00	42.08 2.68 0.00	38.10 2.53 0.00	38.11 2.46 0.00	34.73 2.31 0.00	28.50 2.00 0.00	23.25 1.73 0.00	19.90 1.37 0.00	36.69 2.65 0.00	54.40 3.86 0.00	72.90 4.91 0.00	67.04 4.41 0.00	60.54 4.12 0.00	48.61 3.15 0.00	43.56 2.74 0.00
GARDENVILLE___LBMP 24039	42.98 -1.97 0.00	37.41 -1.80 0.00	46.89 -2.01 0.00	48.60 -2.17 0.00	57.37 -2.75 0.00	44.97 -3.23 0.00	46.25 -4.08 0.00	40.84 -3.66 0.00	35.87 -3.16 2.91	31.26 -3.27 4.87	28.40 -2.65 4.52	28.48 -2.65 4.52	25.52 -2.66 4.24	20.61 -2.26 3.63	16.51 -1.75 3.26	14.02 -1.53 2.98	27.55 -2.81 3.68	39.45 -4.13 6.97	53.75 -5.30 8.94	49.53 -4.85 8.25	43.92 -4.81 7.69	35.17 -3.77 6.52	31.75 -3.20 5.87
GARDNVLA_35_KV_LD 355827	43.30 -1.65 0.00	37.68 -1.54 0.00	47.22 -1.68 0.00	48.92 -1.85 0.00	57.78 -2.35 0.00	45.27 -2.93 0.00	46.56 -3.77 0.00	41.11 -3.40 0.00	36.37 -2.88 2.69	31.91 -2.99 4.50	28.98 -2.42 4.17	29.05 -2.44 4.17	26.04 -2.47 3.92	21.04 -2.11 3.35	16.89 -1.62 3.02	14.36 -1.41 2.75	28.08 -2.57 3.40	40.34 -3.77 6.43	54.91 -4.87 8.21	50.68 -4.41 7.54	44.98 -4.41 7.03	36.02 -3.48 5.96	32.52 -2.93 5.36
GELCKHM___115KV_LOAD 80723	43.67 -1.28 0.00	38.10 -1.13 0.00	47.53 -1.38 0.00	49.33 -1.44 0.00	58.40 -1.72 0.00	46.69 -1.51 0.00	48.65 -1.68 0.00	42.95 -1.56 0.00	40.57 -1.38 0.00	38.05 -1.34 0.00	34.39 -1.18 0.00	34.43 -1.22 0.00	31.25 -1.18 0.00	25.46 -1.04 0.00	20.69 -0.83 0.00	17.83 -0.70 0.00	32.88 -1.17 0.00	49.00 -1.55 0.00	65.95 -2.03 0.00	60.69 -1.94 0.00	54.54 -1.88 0.00	43.95 -1.52 0.00	39.43 -1.39 0.00
GENERAL___MILLS 23808	43.18 -1.77 0.00	37.58 -1.64 0.00	47.08 -1.82 0.00	48.78 -1.99 0.00	57.64 -2.49 0.00	45.16 -3.04 0.00	46.44 -3.89 0.00	41.00 -3.51 0.00	36.18 -3.00 2.77	31.66 -3.12 4.63	28.75 -2.52 4.29	28.83 -2.53 4.29	25.84 -2.56 4.03	20.87 -2.18 3.44	16.74 -1.68 3.10	14.23 -1.47 2.83	27.88 -2.67 3.50	40.00 -3.93 6.61	54.46 -5.07 8.46	50.24 -4.62 7.78	44.58 -4.59 7.25	35.72 -3.60 6.15	32.24 -3.05 5.53
GE_PLASTICS___DRP 24183	46.27 1.32 0.00	40.38 1.16 0.00	50.42 1.51 0.00	52.33 1.56 0.00	61.83 1.70 0.00	49.65 1.45 0.00	51.98 1.64 0.00	45.90 1.39 0.00	43.12 1.17 0.00	40.51 1.11 0.00	36.54 0.97 0.00	36.69 1.04 0.00	33.40 0.98 0.00	27.39 0.89 0.00	22.24 0.72 0.00	19.16 0.63 0.00	35.20 1.15 0.00	52.05 1.50 0.00	69.89 1.91 0.00	64.35 1.71 0.00	58.01 1.59 0.00	46.75 1.28 0.00	41.95 1.13 0.00
GILBOA___1 23756	45.80 0.86 0.00	39.98 0.76 0.00	49.91 1.00 0.00	51.79 1.02 0.00	61.21 1.09 0.00	49.16 0.96 0.00	51.42 1.09 0.00	45.41 0.90 0.00	42.69 0.74 0.00	40.11 0.72 0.00	36.25 0.69 0.00	36.41 0.76 0.00	33.14 0.72 0.00	27.14 0.64 0.00	22.01 0.49 0.00	18.97 0.44 0.00	34.82 0.77 0.00	51.44 0.90 0.00	69.08 1.09 0.00	63.62 0.99 0.00	57.37 0.95 0.00	46.27 0.80 0.00	41.53 0.71 0.00
GILBOA___2 23757	45.80 0.86 0.00	39.98 0.76 0.00	49.91 1.00 0.00	51.79 1.02 0.00	61.21 1.09 0.00	49.16 0.96 0.00	51.42 1.09 0.00	45.41 0.90 0.00	42.69 0.74 0.00	40.11 0.72 0.00	36.25 0.69 0.00	36.41 0.76 0.00	33.14 0.72 0.00	27.14 0.64 0.00	22.01 0.49 0.00	18.97 0.44 0.00	34.82 0.77 0.00	51.44 0.90 0.00	69.08 1.09 0.00	63.62 0.99 0.00	57.37 0.95 0.00	46.27 0.80 0.00	41.53 0.71 0.00
GILBOA___3	45.80	39.98	49.91	51.79	61.21	49.16	51.42	45.41	42.69	40.11	36.25	36.41	33.14	27.14	22.01	18.97	34.82	51.44	69.08	63.62	57.37	46.27	41.53

23758	0.86 0.00	0.76 0.00	1.00 0.00	1.02 0.00	1.09 0.00	0.96 0.00	1.09 0.00	0.90 0.00	0.74 0.00	0.72 0.00	0.69 0.00	0.76 0.00	0.72 0.00	0.64 0.00	0.49 0.00	0.44 0.00	0.77 0.00	0.90 0.00	1.09 0.00	0.99 0.00	0.95 0.00	0.80 0.00	0.71 0.00
GILBOA___4 23759	45.80 0.86 0.00	39.98 0.76 0.00	49.91 1.00 0.00	51.79 1.02 0.00	61.21 1.09 0.00	49.16 0.96 0.00	51.42 1.09 0.00	45.41 0.90 0.00	42.69 0.74 0.00	40.11 0.72 0.00	36.25 0.69 0.00	36.41 0.76 0.00	33.14 0.72 0.00	27.14 0.64 0.00	22.01 0.49 0.00	18.97 0.44 0.00	34.82 0.77 0.00	51.44 0.90 0.00	69.08 1.09 0.00	63.62 0.99 0.00	57.37 0.95 0.00	46.27 0.80 0.00	41.53 0.71 0.00
GILBOA___ 23599	45.81 0.86 0.00	39.98 0.76 0.00	49.91 1.00 0.00	51.79 1.02 0.00	61.21 1.09 0.00	49.16 0.96 0.00	51.42 1.09 0.00	45.41 0.91 0.00	42.69 0.75 0.00	40.12 0.72 0.00	36.25 0.69 0.00	36.41 0.75 0.00	33.14 0.72 0.00	27.14 0.64 0.00	22.01 0.49 0.00	18.97 0.44 0.00	34.82 0.77 0.00	51.45 0.90 0.00	69.09 1.10 0.00	63.63 0.99 0.00	57.36 0.95 0.00	46.27 0.81 0.00	41.53 0.71 0.00
GINNA___ 23603	41.57 -3.38 0.00	36.24 -2.98 0.00	45.26 -3.64 0.00	46.94 -3.83 0.00	55.56 -4.57 0.00	44.07 -4.13 0.00	45.72 -4.61 0.00	40.38 -4.12 0.00	38.22 -3.73 0.00	35.84 -3.56 0.00	32.47 -3.10 0.00	32.28 -3.38 0.00	29.24 -3.19 0.00	23.83 -2.67 0.00	19.36 -2.16 0.00	16.71 -1.82 0.00	30.96 -3.09 0.00	46.14 -4.41 0.00	62.12 -5.86 0.00	57.16 -5.47 0.00	51.16 -5.26 0.00	41.26 -4.21 0.00	37.10 -3.72 0.00
GLEN PARK___ 23778	44.35 -0.59 0.00	38.54 -0.68 0.00	47.99 -0.91 0.00	49.83 -0.94 0.00	59.28 -0.85 0.00	47.76 -0.44 0.00	50.05 -0.28 0.00	44.12 -0.38 0.00	41.50 -0.45 0.00	39.15 -0.24 0.00	35.22 -0.35 0.00	34.65 -1.00 0.00	31.00 -1.42 0.00	24.80 -1.70 0.00	20.11 -1.41 0.00	17.46 -1.07 0.00	32.30 -1.75 0.00	50.02 -0.53 0.00	67.88 -0.11 0.00	62.81 0.17 0.00	56.92 0.50 0.00	46.49 1.03 0.00	40.84 0.02 0.00
GLENDAL_27_KV_LOAD 356172	46.92 1.97 0.00	41.02 1.79 0.00	51.10 2.20 0.00	52.98 2.21 0.00	62.46 2.33 0.00	50.53 2.33 0.00	52.88 2.55 0.00	46.69 2.18 0.00	43.95 2.00 0.00	41.41 2.02 0.00	37.29 1.62 -0.10	37.52 1.86 -0.01	34.20 1.78 -0.01	28.01 1.51 0.00	22.86 1.34 0.00	19.74 1.21 0.00	36.07 2.02 -0.01	53.08 2.53 0.00	71.13 3.14 0.00	65.48 2.85 0.00	59.05 2.63 0.00	47.52 2.06 0.00	42.66 1.84 0.00
GLENWOOD_IC_1_G5 23712	47.20 2.25 0.00	41.14 1.92 0.00	51.29 2.38 0.00	53.13 2.36 0.00	62.74 2.62 0.00	50.67 2.47 0.00	52.88 2.55 0.00	46.67 2.16 0.00	43.93 1.98 0.00	41.42 2.02 0.00	37.07 1.50 0.00	37.29 1.64 0.00	33.99 1.57 0.00	27.77 1.27 0.00	22.77 1.24 0.00	19.71 1.18 0.00	36.08 2.04 0.00	53.30 2.75 0.00	70.98 3.00 0.00	65.58 2.95 0.00	59.26 2.84 0.00	47.78 2.31 0.00	42.95 2.14 0.00
GLENWOOD_IC_2_G1 23688	47.08 2.13 0.00	41.06 1.84 0.00	51.18 2.29 0.00	53.01 2.24 0.00	62.58 2.46 0.00	50.55 2.35 0.00	52.76 2.43 0.00	46.57 2.06 0.00	43.83 1.89 0.00	41.31 1.92 0.00	36.99 1.42 0.00	37.20 1.55 0.00	33.91 1.49 0.00	27.71 1.21 0.00	22.72 1.20 0.00	19.67 1.14 0.00	35.99 1.94 0.00	53.15 2.60 0.00	70.79 2.81 0.00	65.39 2.76 0.00	59.11 2.69 0.00	47.65 2.19 0.00	42.83 2.02 0.00
GLENWOOD_IC_3_G1 23689	47.08 2.13 0.00	41.06 1.84 0.00	51.18 2.29 0.00	53.01 2.24 0.00	62.58 2.46 0.00	50.55 2.35 0.00	52.76 2.43 0.00	46.57 2.06 0.00	43.83 1.89 0.00	41.31 1.92 0.00	36.99 1.42 0.00	37.20 1.55 0.00	33.91 1.49 0.00	27.71 1.21 0.00	22.72 1.20 0.00	19.67 1.14 0.00	35.99 1.94 0.00	53.15 2.60 0.00	70.79 2.81 0.00	65.39 2.76 0.00	59.11 2.69 0.00	47.65 2.19 0.00	42.83 2.02 0.00
GLENWOOD___4 23550	47.20 2.25 0.00	41.14 1.92 0.00	51.29 2.38 0.00	53.13 2.36 0.00	62.74 2.62 0.00	50.67 2.47 0.00	52.88 2.55 0.00	46.67 2.16 0.00	43.93 1.98 0.00	41.42 2.02 0.00	37.07 1.50 0.00	37.29 1.64 0.00	33.99 1.57 0.00	27.77 1.27 0.00	22.77 1.24 0.00	19.71 1.18 0.00	36.08 2.04 0.00	53.30 2.75 0.00	70.98 3.00 0.00	65.58 2.95 0.00	59.26 2.84 0.00	47.78 2.31 0.00	42.95 2.14 0.00
GLENWOOD___5 23614	47.20 2.25 0.00	41.14 1.92 0.00	51.29 2.38 0.00	53.13 2.36 0.00	62.74 2.62 0.00	50.67 2.47 0.00	52.88 2.55 0.00	46.67 2.16 0.00	43.93 1.98 0.00	41.42 2.02 0.00	37.07 1.50 0.00	37.29 1.64 0.00	33.99 1.57 0.00	27.77 1.27 0.00	22.77 1.24 0.00	19.71 1.18 0.00	36.08 2.04 0.00	53.30 2.75 0.00	70.98 3.00 0.00	65.58 2.95 0.00	59.26 2.84 0.00	47.78 2.31 0.00	42.95 2.14 0.00
GLOBAL GREEN_PORT_GT1 23814	46.44 1.49 0.00	40.43 1.21 0.00	50.62 1.72 0.00	52.45 1.68 0.00	62.02 1.90 0.00	50.19 1.99 0.00	52.16 1.83 0.00	46.26 1.75 0.00	43.52 1.58 0.00	40.90 1.51 0.00	36.78 1.21 0.00	36.68 1.02 0.00	33.11 0.69 0.00	27.04 0.54 0.00	22.24 0.72 0.00	19.44 0.91 0.00	35.69 1.65 0.00	52.93 2.39 0.00	69.52 1.53 0.00	64.24 1.61 0.00	58.85 2.43 0.00	47.36 1.89 0.00	43.00 2.18 0.00
GLOBE___DSASP 323697	41.37 -3.58 0.00	36.03 -3.20 0.00	45.05 -3.85 0.00	46.67 -4.10 0.00	55.12 -5.00 0.00	43.11 -5.09 0.00	44.35 -5.98 0.00	39.18 -5.32 0.00	33.70 -4.60 3.64	28.80 -4.50 6.09	26.19 -3.72 5.65	26.24 -3.77 5.65	23.44 -3.68 5.30	18.89 -3.07 4.54	15.00 -2.44 4.08	12.67 -2.13 3.73	25.44 -4.00 4.60	35.80 -6.03 8.71	48.84 -8.02 11.13	45.08 -7.32 10.24	39.90 -6.98 9.54	31.98 -5.39 8.09	29.02 -4.53 7.27
GOETHSLN___LBMP 323567	46.30 1.35 0.00	40.44 1.22 0.00	50.44 1.54 0.00	52.31 1.54 0.00	61.75 1.62 0.00	49.91 1.72 0.00	52.20 1.86 0.00	46.08 1.57 0.00	43.37 1.43 0.00	40.85 1.46 0.00	36.63 1.06 0.00	36.90 1.24 0.00	33.65 1.23 0.00	27.58 1.07 0.00	22.52 1.00 0.00	19.44 0.91 0.00	35.48 1.43 0.00	52.33 1.78 0.00	70.12 2.13 0.00	64.59 1.95 0.00	58.19 1.77 0.00	46.86 1.40 0.00	42.10 1.29 0.00
GOLAH___69_KV_TB 1_2 80279	43.55 -1.40 0.00	37.94 -1.28 0.00	47.39 -1.51 0.00	49.18 -1.59 0.00	58.13 -1.99 0.00	45.90 -2.30 0.00	47.51 -2.82 0.00	41.97 -2.54 0.00	38.88 -2.28 0.79	35.75 -2.34 1.31	32.55 -1.80 1.22	32.42 -2.01 1.22	29.13 -2.15 1.14	23.68 -1.84 0.98	19.18 -1.46 0.88	16.49 -1.24 0.80	31.03 -2.03 0.99	45.97 -2.70 1.88	62.20 -3.38 2.41	57.26 -3.16 2.21	51.15 -3.21 2.06	41.17 -2.55 1.75	37.04 -2.20 1.58
GOODYEAR_LAKE_HYD	46.17	40.31	50.32	52.27	61.95	49.70	51.84	45.84	43.11	40.43	36.55	36.57	33.20	27.07	21.89	18.91	34.84	52.00	70.09	64.61	58.07	46.70	41.80

323669	1.22 0.00	1.09 0.00	1.42 0.00	1.51 0.00	1.83 0.00	1.51 0.00	1.51 0.00	1.33 0.00	1.16 0.00	1.04 0.00	0.98 0.00	0.92 0.00	0.78 0.00	0.57 0.00	0.37 0.00	0.38 0.00	0.79 0.00	1.45 0.00	2.11 0.00	1.98 0.00	1.65 0.00	1.23 0.00	0.98 0.00
GOUDEY_115_KV_TB6_REV_LBMP_C 345031	44.48 -0.47 0.00	38.82 -0.40 0.00	48.54 -0.36 0.00	50.33 -0.43 0.00	59.69 -0.43 0.00	47.58 -0.62 0.00	49.48 -0.85 0.00	43.68 -0.83 0.00	41.19 -0.75 0.00	38.56 -0.83 0.00	34.81 -0.76 0.00	34.88 -0.77 0.00	31.61 -0.82 0.00	25.79 -0.72 0.00	21.00 -0.52 0.00	18.09 -0.44 0.00	33.33 -0.71 0.00	49.73 -0.81 0.00	67.06 -0.93 0.00	61.74 -0.89 0.00	55.47 -0.95 0.00	44.65 -0.82 0.00	39.96 -0.86 0.00
GOUDEY___7 23579	44.48 -0.47 0.00	38.82 -0.40 0.00	48.54 -0.36 0.00	50.33 -0.43 0.00	59.69 -0.43 0.00	47.58 -0.62 0.00	49.48 -0.85 0.00	43.68 -0.83 0.00	41.19 -0.75 0.00	38.56 -0.83 0.00	34.81 -0.76 0.00	34.88 -0.77 0.00	31.61 -0.82 0.00	25.79 -0.72 0.00	21.00 -0.52 0.00	18.09 -0.44 0.00	33.33 -0.71 0.00	49.73 -0.81 0.00	67.06 -0.93 0.00	61.74 -0.89 0.00	55.47 -0.95 0.00	44.65 -0.82 0.00	39.96 -0.86 0.00
GOUDEY___8 23580	44.48 -0.47 0.00	38.82 -0.40 0.00	48.54 -0.36 0.00	50.33 -0.43 0.00	59.69 -0.43 0.00	47.58 -0.62 0.00	49.48 -0.85 0.00	43.68 -0.83 0.00	41.19 -0.75 0.00	38.56 -0.83 0.00	34.81 -0.76 0.00	34.88 -0.77 0.00	31.61 -0.82 0.00	25.79 -0.72 0.00	21.00 -0.52 0.00	18.09 -0.44 0.00	33.33 -0.71 0.00	49.73 -0.81 0.00	67.06 -0.93 0.00	61.74 -0.89 0.00	55.47 -0.95 0.00	44.65 -0.82 0.00	39.96 -0.86 0.00
GOWANUS_GT1_1 24077	60.29 2.11 -13.23	60.18 1.92 -19.04	58.95 2.38 -7.67	58.94 2.40 -5.76	62.65 2.45 -0.07	59.88 2.48 -9.20	59.46 2.73 -6.40	60.37 2.33 -13.54	59.67 2.15 -15.57	60.38 2.14 -18.85	59.07 1.75 -21.75	59.09 1.98 -21.45	58.62 1.90 -24.30	58.62 1.61 -30.52	58.74 1.43 -35.79	60.10 1.27 -40.29	60.32 2.13 -24.14	60.61 2.68 -7.38	71.30 3.32 0.00	65.65 3.02 0.00	62.63 2.80 -3.41	60.31 2.20 -12.64	62.04 1.97 -19.24
GOWANUS_GT1_2 24078	60.29 2.11 -13.23	60.18 1.92 -19.04	58.95 2.38 -7.67	58.94 2.40 -5.76	62.65 2.45 -0.07	59.88 2.48 -9.20	59.46 2.73 -6.40	60.37 2.33 -13.54	59.67 2.15 -15.57	60.38 2.14 -18.85	59.07 1.75 -21.75	59.09 1.98 -21.45	58.62 1.90 -24.30	58.62 1.61 -30.52	58.74 1.43 -35.79	60.10 1.27 -40.29	60.32 2.13 -24.14	60.61 2.68 -7.38	71.30 3.32 0.00	65.65 3.02 0.00	62.63 2.80 -3.41	60.31 2.20 -12.64	62.04 1.97 -19.24
GOWANUS_GT1_3 24079	60.29 2.11 -13.23	60.18 1.92 -19.04	58.95 2.38 -7.67	58.94 2.40 -5.76	62.65 2.45 -0.07	59.88 2.48 -9.20	59.46 2.73 -6.40	60.37 2.33 -13.54	59.67 2.15 -15.57	60.38 2.14 -18.85	59.07 1.75 -21.75	59.09 1.98 -21.45	58.62 1.90 -24.30	58.62 1.61 -30.52	58.74 1.43 -35.79	60.10 1.27 -40.29	60.32 2.13 -24.14	60.61 2.68 -7.38	71.30 3.32 0.00	65.65 3.02 0.00	62.63 2.80 -3.41	60.31 2.20 -12.64	62.04 1.97 -19.24
GOWANUS_GT1_4 24080	60.29 2.11 -13.23	60.18 1.92 -19.04	58.95 2.38 -7.67	58.94 2.40 -5.76	62.65 2.45 -0.07	59.88 2.48 -9.20	59.46 2.73 -6.40	60.37 2.33 -13.54	59.67 2.15 -15.57	60.38 2.14 -18.85	59.07 1.75 -21.75	59.09 1.98 -21.45	58.62 1.90 -24.30	58.62 1.61 -30.52	58.74 1.43 -35.79	60.10 1.27 -40.29	60.32 2.13 -24.14	60.61 2.68 -7.38	71.30 3.32 0.00	65.65 3.02 0.00	62.63 2.80 -3.41	60.31 2.20 -12.64	62.04 1.97 -19.24
GOWANUS_GT1_5 24084	60.29 2.11 -13.23	60.18 1.92 -19.04	58.95 2.38 -7.67	58.94 2.40 -5.76	62.65 2.45 -0.07	59.88 2.48 -9.20	59.46 2.73 -6.40	60.37 2.33 -13.54	59.67 2.15 -15.57	60.38 2.14 -18.85	59.07 1.75 -21.75	59.09 1.98 -21.45	58.62 1.90 -24.30	58.62 1.61 -30.52	58.74 1.43 -35.79	60.10 1.27 -40.29	60.32 2.13 -24.14	60.61 2.68 -7.38	71.30 3.32 0.00	65.65 3.02 0.00	62.63 2.80 -3.41	60.31 2.20 -12.64	62.04 1.97 -19.24
GOWANUS_GT1_6 24111	60.29 2.11 -13.23	60.18 1.92 -19.04	58.95 2.38 -7.67	58.94 2.40 -5.76	62.65 2.45 -0.07	59.88 2.48 -9.20	59.46 2.73 -6.40	60.37 2.33 -13.54	59.67 2.15 -15.57	60.38 2.14 -18.85	59.07 1.75 -21.75	59.09 1.98 -21.45	58.62 1.90 -24.30	58.62 1.61 -30.52	58.74 1.43 -35.79	60.10 1.27 -40.29	60.32 2.13 -24.14	60.61 2.68 -7.38	71.30 3.32 0.00	65.65 3.02 0.00	62.63 2.80 -3.41	60.31 2.20 -12.64	62.04 1.97 -19.24
GOWANUS_GT1_7 24112	60.29 2.11 -13.23	60.18 1.92 -19.04	58.95 2.38 -7.67	58.94 2.40 -5.76	62.65 2.45 -0.07	59.88 2.48 -9.20	59.46 2.73 -6.40	60.37 2.33 -13.54	59.67 2.15 -15.57	60.38 2.14 -18.85	59.07 1.75 -21.75	59.09 1.98 -21.45	58.62 1.90 -24.30	58.62 1.61 -30.52	58.74 1.43 -35.79	60.10 1.27 -40.29	60.32 2.13 -24.14	60.61 2.68 -7.38	71.30 3.32 0.00	65.65 3.02 0.00	62.63 2.80 -3.41	60.31 2.20 -12.64	62.04 1.97 -19.24
GOWANUS_GT1_8 24113	60.29 2.11 -13.23	60.18 1.92 -19.04	58.95 2.38 -7.67	58.94 2.40 -5.76	62.65 2.45 -0.07	59.88 2.48 -9.20	59.46 2.73 -6.40	60.37 2.33 -13.54	59.67 2.15 -15.57	60.38 2.14 -18.85	59.07 1.75 -21.75	59.09 1.98 -21.45	58.62 1.90 -24.30	58.62 1.61 -30.52	58.74 1.43 -35.79	60.10 1.27 -40.29	60.32 2.13 -24.14	60.61 2.68 -7.38	71.30 3.32 0.00	65.65 3.02 0.00	62.63 2.80 -3.41	60.31 2.20 -12.64	62.04 1.97 -19.24
GOWANUS_GT2_1 24114	60.29 2.12 -13.23	60.19 1.93 -19.04	58.95 2.38 -7.67	58.94 2.41 -5.76	62.65 2.45 -0.07	59.88 2.48 -9.20	59.45 2.73 -6.40	60.36 2.32 -13.54	59.67 2.15 -15.57	60.37 2.12 -18.85	59.06 1.74 -21.75	59.08 1.98 -21.45	58.62 1.89 -24.30	58.61 1.59 -30.52	58.74 1.43 -35.79	60.10 1.27 -40.29	60.32 2.13 -24.14	60.60 2.68 -7.38	71.28 3.30 0.00	65.64 3.00 0.00	62.61 2.78 -3.41	60.30 2.19 -12.64	62.03 1.97 -19.24
GOWANUS_GT2_2 24115	60.29 2.12 -13.23	60.19 1.93 -19.04	58.95 2.38 -7.67	58.94 2.41 -5.76	62.65 2.45 -0.07	59.88 2.48 -9.20	59.45 2.73 -6.40	60.36 2.32 -13.54	59.67 2.15 -15.57	60.37 2.12 -18.85	59.06 1.74 -21.75	59.08 1.98 -21.45	58.62 1.89 -24.30	58.61 1.59 -30.52	58.74 1.43 -35.79	60.10 1.27 -40.29	60.32 2.13 -24.14	60.60 2.68 -7.38	71.28 3.30 0.00	65.64 3.00 0.00	62.61 2.78 -3.41	60.30 2.19 -12.64	62.03 1.97 -19.24
GOWANUS_GT2_3 24116	60.29 2.12 -13.23	60.19 1.93 -19.04	58.95 2.38 -7.67	58.94 2.41 -5.76	62.65 2.45 -0.07	59.88 2.48 -9.20	59.45 2.73 -6.40	60.36 2.32 -13.54	59.67 2.15 -15.57	60.37 2.12 -18.85	59.06 1.74 -21.75	59.08 1.98 -21.45	58.62 1.89 -24.30	58.61 1.59 -30.52	58.74 1.43 -35.79	60.10 1.27 -40.29	60.32 2.13 -24.14	60.60 2.68 -7.38	71.28 3.30 0.00	65.64 3.00 0.00	62.61 2.78 -3.41	60.30 2.19 -12.64	62.03 1.97 -19.24
GOWANUS_GT2_4	60.29	60.19	58.95	58.94	62.65	59.88	59.45	60.36	59.67	60.37	59.06	59.08	58.62	58.61	58.74	60.10	60.32	60.60	71.28	65.64	62.61	60.30	62.03

24117		2.12	1.93	2.38	2.41	2.45	2.48	2.73	2.32	2.15	2.12	1.74	1.98	1.89	1.59	1.43	1.27	2.13	2.68	3.30	3.00	2.78	2.19	1.97
		-13.23	-19.04	-7.67	-5.76	-0.07	-9.20	-6.40	-13.54	-15.57	-18.85	-21.75	-21.45	-24.30	-30.52	-35.79	-40.29	-24.14	-7.38	0.00	0.00	-3.41	-12.64	-19.24
GOWANUS_GT2_5	24118	60.29	60.19	58.95	58.94	62.65	59.88	59.45	60.36	59.67	60.37	59.06	59.08	58.62	58.61	58.74	60.10	60.32	60.60	71.28	65.64	62.61	60.30	62.03
		2.12	1.93	2.38	2.41	2.45	2.48	2.73	2.32	2.15	2.12	1.74	1.98	1.89	1.59	1.43	1.27	2.13	2.68	3.30	3.00	2.78	2.19	1.97
		-13.23	-19.04	-7.67	-5.76	-0.07	-9.20	-6.40	-13.54	-15.57	-18.85	-21.75	-21.45	-24.30	-30.52	-35.79	-40.29	-24.14	-7.38	0.00	0.00	-3.41	-12.64	-19.24
GOWANUS_GT2_6	24119	60.29	60.19	58.95	58.94	62.65	59.88	59.45	60.36	59.67	60.37	59.06	59.08	58.62	58.61	58.74	60.10	60.32	60.60	71.28	65.64	62.61	60.30	62.03
		2.12	1.93	2.38	2.41	2.45	2.48	2.73	2.32	2.15	2.12	1.74	1.98	1.89	1.59	1.43	1.27	2.13	2.68	3.30	3.00	2.78	2.19	1.97
		-13.23	-19.04	-7.67	-5.76	-0.07	-9.20	-6.40	-13.54	-15.57	-18.85	-21.75	-21.45	-24.30	-30.52	-35.79	-40.29	-24.14	-7.38	0.00	0.00	-3.41	-12.64	-19.24
GOWANUS_GT2_7	24120	60.29	60.19	58.95	58.94	62.65	59.88	59.45	60.36	59.67	60.37	59.06	59.08	58.62	58.61	58.74	60.10	60.32	60.60	71.28	65.64	62.61	60.30	62.03
		2.12	1.93	2.38	2.41	2.45	2.48	2.73	2.32	2.15	2.12	1.74	1.98	1.89	1.59	1.43	1.27	2.13	2.68	3.30	3.00	2.78	2.19	1.97
		-13.23	-19.04	-7.67	-5.76	-0.07	-9.20	-6.40	-13.54	-15.57	-18.85	-21.75	-21.45	-24.30	-30.52	-35.79	-40.29	-24.14	-7.38	0.00	0.00	-3.41	-12.64	-19.24
GOWANUS_GT2_8	24121	60.29	60.19	58.95	58.94	62.65	59.88	59.45	60.36	59.67	60.37	59.06	59.08	58.62	58.61	58.74	60.10	60.32	60.60	71.28	65.64	62.61	60.30	62.03
		2.12	1.93	2.38	2.41	2.45	2.48	2.73	2.32	2.15	2.12	1.74	1.98	1.89	1.59	1.43	1.27	2.13	2.68	3.30	3.00	2.78	2.19	1.97
		-13.23	-19.04	-7.67	-5.76	-0.07	-9.20	-6.40	-13.54	-15.57	-18.85	-21.75	-21.45	-24.30	-30.52	-35.79	-40.29	-24.14	-7.38	0.00	0.00	-3.41	-12.64	-19.24
GOWANUS_GT3_1	24122	60.29	60.19	58.95	58.94	62.65	59.88	59.45	60.36	59.67	60.37	59.06	59.08	58.62	58.61	58.74	60.10	60.32	60.60	71.28	65.64	62.61	60.29	62.03
		2.11	1.93	2.38	2.41	2.45	2.48	2.73	2.32	2.15	2.12	1.74	1.98	1.89	1.59	1.43	1.27	2.13	2.68	3.30	3.00	2.78	2.19	1.97
		-13.23	-19.04	-7.67	-5.76	-0.07	-9.20	-6.40	-13.54	-15.57	-18.85	-21.75	-21.45	-24.30	-30.52	-35.79	-40.29	-24.14	-7.38	0.00	0.00	-3.41	-12.64	-19.24
GOWANUS_GT3_2	24123	60.29	60.19	58.95	58.94	62.65	59.88	59.45																

24132	2.11 -13.23	1.92 -19.04	2.38 -7.67	2.40 -5.76	2.45 -0.07	2.48 -9.20	2.73 -6.40	2.33 -13.54	2.15 -15.57	2.14 -18.85	1.75 -21.75	1.98 -21.45	1.90 -24.30	1.61 -30.52	1.43 -35.79	1.27 -40.29	2.13 -24.14	2.68 -7.38	3.32 0.00	3.02 0.00	2.80 -3.41	2.20 -12.64	1.97 -19.24
GOWANUS_GT4_4 24133	60.29 2.11 -13.23	60.18 1.92 -19.04	58.95 2.38 -7.67	58.94 2.40 -5.76	62.65 2.45 -0.07	59.88 2.48 -9.20	59.46 2.73 -6.40	60.37 2.33 -13.54	59.67 2.15 -15.57	60.38 2.14 -18.85	59.07 1.75 -21.75	59.09 1.98 -21.45	58.62 1.90 -24.30	58.62 1.61 -30.52	58.74 1.43 -35.79	60.10 1.27 -40.29	60.32 2.13 -24.14	60.61 2.68 -7.38	71.30 3.32 0.00	65.65 3.02 0.00	62.63 2.80 -3.41	60.31 2.20 -12.64	62.04 1.97 -19.24
GOWANUS_GT4_5 24134	60.29 2.11 -13.23	60.18 1.92 -19.04	58.95 2.38 -7.67	58.94 2.40 -5.76	62.65 2.45 -0.07	59.88 2.48 -9.20	59.46 2.73 -6.40	60.37 2.33 -13.54	59.67 2.15 -15.57	60.38 2.14 -18.85	59.07 1.75 -21.75	59.09 1.98 -21.45	58.62 1.90 -24.30	58.62 1.61 -30.52	58.74 1.43 -35.79	60.10 1.27 -40.29	60.32 2.13 -24.14	60.61 2.68 -7.38	71.30 3.32 0.00	65.65 3.02 0.00	62.63 2.80 -3.41	60.31 2.20 -12.64	62.04 1.97 -19.24
GOWANUS_GT4_6 24135	60.29 2.11 -13.23	60.18 1.92 -19.04	58.95 2.38 -7.67	58.94 2.40 -5.76	62.65 2.45 -0.07	59.88 2.48 -9.20	59.46 2.73 -6.40	60.37 2.33 -13.54	59.67 2.15 -15.57	60.38 2.14 -18.85	59.07 1.75 -21.75	59.09 1.98 -21.45	58.62 1.90 -24.30	58.62 1.61 -30.52	58.74 1.43 -35.79	60.10 1.27 -40.29	60.32 2.13 -24.14	60.61 2.68 -7.38	71.30 3.32 0.00	65.65 3.02 0.00	62.63 2.80 -3.41	60.31 2.20 -12.64	62.04 1.97 -19.24
GOWANUS_GT4_7 24136	60.29 2.11 -13.23	60.18 1.92 -19.04	58.95 2.38 -7.67	58.94 2.40 -5.76	62.65 2.45 -0.07	59.88 2.48 -9.20	59.46 2.73 -6.40	60.37 2.33 -13.54	59.67 2.15 -15.57	60.38 2.14 -18.85	59.07 1.75 -21.75	59.09 1.98 -21.45	58.62 1.90 -24.30	58.62 1.61 -30.52	58.74 1.43 -35.79	60.10 1.27 -40.29	60.32 2.13 -24.14	60.61 2.68 -7.38	71.30 3.32 0.00	65.65 3.02 0.00	62.63 2.80 -3.41	60.31 2.20 -12.64	62.04 1.97 -19.24
GOWANUS_GT4_8 24137	60.29 2.11 -13.23	60.18 1.92 -19.04	58.95 2.38 -7.67	58.94 2.40 -5.76	62.65 2.45 -0.07	59.88 2.48 -9.20	59.46 2.73 -6.40	60.37 2.33 -13.54	59.67 2.15 -15.57	60.38 2.14 -18.85	59.07 1.75 -21.75	59.09 1.98 -21.45	58.62 1.90 -24.30	58.62 1.61 -30.52	58.74 1.43 -35.79	60.10 1.27 -40.29	60.32 2.13 -24.14	60.61 2.68 -7.38	71.30 3.32 0.00	65.65 3.02 0.00	62.63 2.80 -3.41	60.31 2.20 -12.64	62.04 1.97 -19.24
GREENBSH_115KV_TB3 55895	46.49 1.55 0.00	40.56 1.34 0.00	50.65 1.75 0.00	52.57 1.80 0.00	62.11 1.99 0.00	49.86 1.66 0.00	52.23 1.89 0.00	46.11 1.61 0.00	43.31 1.37 0.00	40.69 1.30 0.00	36.70 1.14 0.00	36.85 1.20 0.00	33.56 1.14 0.00	27.52 1.02 0.00	22.35 0.83 0.00	19.26 0.73 0.00	35.39 1.35 0.00	52.30 1.76 0.00	70.23 2.24 0.00	64.63 2.00 0.00	58.28 1.86 0.00	46.97 1.50 0.00	42.14 1.33 0.00
GREENDGE_115KV_TB5 80291	43.94 -1.01 0.00	38.33 -0.89 0.00	48.00 -0.91 0.00	49.83 -0.94 0.00	59.13 -0.99 0.00	46.89 -1.32 0.00	48.66 -1.67 0.00	42.93 -1.58 0.00	47.33 -1.37 -6.76	48.99 -1.70 -11.30	44.37 -1.68 -10.49	44.37 -1.76 -10.47	40.30 -1.96 -9.83	33.16 -1.75 -8.42	27.69 -1.40 -7.57	24.28 -1.18 -6.92	40.83 -1.76 -8.54	64.82 -1.89 -16.16	86.49 -2.11 -20.61	79.42 -2.14 -18.94	71.69 -2.38 -17.65	58.52 -1.91 -14.96	52.63 -1.64 -13.46
GREENIDGE___3 23582	43.94 -1.01 0.00	38.33 -0.89 0.00	48.00 -0.91 0.00	49.83 -0.94 0.00	59.13 -0.99 0.00	46.89 -1.32 0.00	48.66 -1.67 0.00	42.93 -1.58 0.00	47.33 -1.37 -6.76	48.99 -1.70 -11.30	44.37 -1.68 -10.49	44.37 -1.76 -10.47	40.30 -1.96 -9.83	33.16 -1.75 -8.42	27.69 -1.40 -7.57	24.28 -1.18 -6.92	40.83 -1.76 -8.54	64.82 -1.89 -16.16	86.49 -2.11 -20.61	79.42 -2.14 -18.94	71.69 -2.38 -17.65	58.52 -1.91 -14.96	52.63 -1.64 -13.46
GREENIDGE___4 23583	43.94 -1.01 0.00	38.33 -0.89 0.00	47.99 -0.91 0.00	49.83 -0.94 0.00	59.13 -1.00 0.00	46.88 -1.32 0.00	48.66 -1.67 0.00	42.95 -1.56 0.00	47.34 -1.37 -6.76	49.00 -1.69 -11.30	44.39 -1.67 -10.49	44.37 -1.76 -10.47	40.31 -1.95 -9.83	33.17 -1.75 -8.42	27.69 -1.40 -7.57	24.28 -1.17 -6.92	40.84 -1.75 -8.54	64.84 -1.87 -16.16	86.51 -2.09 -20.61	79.43 -2.14 -18.94	71.70 -2.37 -17.65	58.53 -1.90 -14.96	52.64 -1.64 -13.46
GREENLWN_69_KV_BK 3 55738	47.03 2.08 0.00	40.98 1.76 0.00	51.05 2.15 0.00	52.89 2.12 0.00	62.43 2.31 0.00	50.42 2.23 0.00	52.61 2.28 0.00	46.44 1.93 0.00	43.73 1.78 0.00	41.27 1.88 0.00	36.87 1.30 0.00	37.06 1.40 0.00	33.79 1.37 0.00	27.58 1.08 0.00	22.63 1.11 0.00	19.62 1.09 0.00	35.87 1.82 0.00	52.90 2.35 0.00	70.27 2.28 0.00	64.98 2.35 0.00	58.87 2.45 0.00	47.56 2.10 0.00	42.84 2.02 0.00
GREENWD_138_KV_38B11_REV_LBMP_J 345004	60.29 2.11 -13.23	60.18 1.92 -19.04	58.95 2.38 -7.67	58.94 2.40 -5.76	62.65 2.45 -0.07	59.88 2.48 -9.20	59.46 2.73 -6.40	60.37 2.33 -13.54	59.67 2.15 -15.57	60.38 2.14 -18.85	59.07 1.75 -21.75	59.09 1.98 -21.45	58.62 1.90 -24.30	58.62 1.61 -30.52	58.74 1.43 -35.79	60.10 1.27 -40.29	60.32 2.13 -24.14	60.61 2.68 -7.38	71.30 3.32 0.00	65.65 3.02 0.00	62.63 2.80 -3.41	60.31 2.20 -12.64	62.04 1.97 -19.24
GRISSOM___SOLAR 323813	47.17 2.22 0.00	41.13 1.91 0.00	51.34 2.44 0.00	53.28 2.51 0.00	63.17 3.05 0.00	50.77 2.57 0.00	53.04 2.71 0.00	46.81 2.30 0.00	43.41 1.47 0.00	40.49 1.09 0.00	36.82 1.25 0.00	36.65 1.00 0.00	33.44 1.02 0.00	27.42 0.92 0.00	21.94 0.42 0.00	18.67 0.14 0.00	34.75 0.70 0.00	53.06 2.51 0.00	71.91 3.92 0.00	66.30 3.67 0.00	59.61 3.20 0.00	47.95 2.48 0.00	42.92 2.10 0.00
GROVEVILLE___HYD 323602	46.90 1.95 0.00	40.93 1.71 0.00	51.08 2.18 0.00	52.95 2.18 0.00	62.57 2.45 0.00	50.40 2.21 0.00	52.76 2.43 0.00	46.57 2.06 0.00	43.79 1.84 0.00	41.16 1.76 0.00	37.03 1.46 0.00	37.27 1.61 0.00	33.87 1.45 0.00	27.79 1.29 0.00	22.66 1.14 0.00	19.56 1.03 0.00	35.84 1.79 0.00	53.00 2.46 0.00	71.12 3.13 0.00	65.49 2.86 0.00	58.97 2.55 0.00	47.46 1.99 0.00	42.57 1.75 0.00
GRS_LOCK_115KV_LINE_2_SOLVAY 80269	44.05 -0.90 0.00	38.42 -0.80 0.00	47.92 -0.98 0.00	49.75 -1.02 0.00	58.92 -1.21 0.00	47.11 -1.09 0.00	49.07 -1.26 0.00	43.30 -1.21 0.00	40.91 -1.03 0.00	38.36 -1.04 0.00	34.65 -0.91 0.00	34.71 -0.94 0.00	31.48 -0.94 0.00	25.61 -0.89 0.00	20.82 -0.70 0.00	17.95 -0.58 0.00	33.15 -0.89 0.00	49.46 -1.09 0.00	66.58 -1.40 0.00	61.24 -1.39 0.00	55.04 -1.38 0.00	44.34 -1.13 0.00	39.76 -1.06 0.00
HAMLTNNY_34_KV_TB	44.12	38.47	47.98	49.82	59.03	47.16	49.11	43.30	40.95	38.35	34.62	34.68	31.42	25.53	20.78	17.91	33.14	49.50	66.67	61.33	55.07	44.34	39.79

80303	-0.83 0.00	-0.75 0.00	-0.92 0.00	-0.95 0.00	-1.10 0.00	-1.04 0.00	-1.22 0.00	-1.20 0.00	-1.00 0.00	-1.05 0.00	-0.96 0.00	-0.98 0.00	-1.01 0.00	-0.97 0.00	-0.74 0.00	-0.62 0.00	-0.91 0.00	-1.04 0.00	-1.32 0.00	-1.31 0.00	-1.35 0.00	-1.12 0.00	-1.03 0.00
HAMPSHIRE___PAPER_HYD 323593	44.69 -0.26 0.00	38.90 -0.32 0.00	48.41 -0.49 0.00	50.14 -0.63 0.00	59.55 -0.58 0.00	47.91 -0.29 0.00	50.10 -0.23 0.00	44.32 -0.19 0.00	41.81 -0.14 0.00	39.46 0.06 0.00	35.59 0.02 0.00	35.38 -0.27 0.00	31.97 -0.45 0.00	25.86 -0.64 0.00	20.94 -0.58 0.00	18.02 -0.51 0.00	33.24 -0.81 0.00	50.23 -0.31 0.00	67.97 -0.01 0.00	62.91 0.28 0.00	57.01 0.59 0.00	46.33 0.87 0.00	41.22 0.40 0.00
HARDSCRABBLE_WT_PWR 323673	45.30 0.35 0.00	39.45 0.23 0.00	49.28 0.37 0.00	51.22 0.45 0.00	60.60 0.48 0.00	49.10 0.91 0.00	51.53 1.19 0.00	45.52 1.01 0.00	42.35 0.41 0.00	39.57 0.17 0.00	35.60 0.03 0.00	35.63 -0.02 0.00	32.42 0.00 0.00	26.53 0.03 0.00	21.45 -0.07 0.00	18.39 -0.14 0.00	34.23 0.18 0.00	51.30 0.76 0.00	69.02 1.03 0.00	63.32 0.68 0.00	57.37 0.95 0.00	46.23 0.76 0.00	41.42 0.60 0.00
HARRIMAN_69_KV_BK771_REV_LBMP_G 345025	46.44 1.49 0.00	40.52 1.30 0.00	50.59 1.68 0.00	52.43 1.66 0.00	61.92 1.80 0.00	49.87 1.67 0.00	52.16 1.83 0.00	46.06 1.55 0.00	43.35 1.40 0.00	40.75 1.35 0.00	36.60 1.03 0.00	36.82 1.17 0.00	33.52 1.10 0.00	27.48 0.98 0.00	22.41 0.89 0.00	19.35 0.82 0.00	35.42 1.37 0.00	52.43 1.89 0.00	70.36 2.37 0.00	64.81 2.18 0.00	58.32 1.90 0.00	46.96 1.49 0.00	42.16 1.34 0.00
HARSNRAD_115KV_TB1 81005	42.04 -2.91 0.00	36.59 -2.63 0.00	45.77 -3.13 0.00	47.48 -3.29 0.00	56.04 -4.08 0.00	43.87 -4.32 0.00	45.08 -5.25 0.00	39.87 -4.64 0.00	33.21 -4.10 4.63	27.52 -4.14 7.74	24.98 -3.41 7.18	25.10 -3.37 7.17	22.22 -3.47 6.74	17.81 -2.93 5.77	14.02 -2.31 5.18	11.78 -2.01 4.74	24.55 -3.65 5.85	34.19 -5.29 11.07	46.91 -6.94 14.14	43.30 -6.34 12.99	38.18 -6.13 12.11	30.43 -4.77 10.27	27.55 -4.04 9.23
HARZA MOOSE___RIVER 24016	44.94 -0.01 0.00	39.08 -0.15 0.00	48.68 -0.22 0.00	50.54 -0.23 0.00	60.02 -0.10 0.00	48.37 0.17 0.00	50.63 0.30 0.00	44.70 0.19 0.00	42.08 0.14 0.00	39.61 0.22 0.00	35.69 0.12 0.00	35.43 -0.22 0.00	32.14 -0.28 0.00	25.99 -0.52 0.00	21.06 -0.46 0.00	18.17 -0.36 0.00	33.64 -0.41 0.00	50.58 0.04 0.00	68.31 0.33 0.00	63.20 0.57 0.00	57.23 0.81 0.00	46.50 1.04 0.00	41.24 0.42 0.00
HDSNBRDG_115KV_BRDG_TB1 355580	43.69 -1.26 0.00	38.11 -1.11 0.00	47.56 -1.35 0.00	49.36 -1.41 0.00	58.44 -1.68 0.00	46.70 -1.50 0.00	48.65 -1.68 0.00	42.96 -1.55 0.00	40.56 -1.38 0.00	38.05 -1.34 0.00	34.40 -1.17 0.00	34.43 -1.22 0.00	31.27 -1.15 0.00	25.47 -1.03 0.00	20.70 -0.82 0.00	17.85 -0.68 0.00	32.89 -1.16 0.00	49.00 -1.54 0.00	65.96 -2.02 0.00	60.70 -1.93 0.00	54.54 -1.88 0.00	43.94 -1.53 0.00	39.42 -1.40 0.00
HELLGATE_13_KV_LD 55870	46.69 1.74 0.00	40.85 1.62 0.00	50.88 1.98 0.00	52.77 2.00 0.00	62.20 2.08 0.00	50.32 2.13 0.00	52.68 2.35 0.00	46.49 1.98 0.00	43.76 1.82 0.00	41.22 1.82 0.00	37.13 1.46 -0.10	37.36 1.69 -0.01	34.05 1.63 -0.01	27.88 1.38 0.00	22.76 1.24 0.00	19.65 1.12 0.00	35.91 1.85 -0.01	52.81 2.26 0.00	70.76 2.77 0.00	65.15 2.51 0.00	58.76 2.34 0.00	47.29 1.83 0.00	42.47 1.65 0.00
HELLGT_W_13_KV_BRUCKNER_REV_LBMP_J 345018	46.69 1.74 0.00	40.85 1.62 0.00	50.88 1.98 0.00	52.77 2.00 0.00	62.20 2.08 0.00	50.32 2.13 0.00	52.68 2.35 0.00	46.49 1.98 0.00	43.76 1.82 0.00	41.22 1.82 0.00	37.13 1.46 -0.10	37.36 1.69 -0.01	34.05 1.63 -0.01	27.88 1.38 0.00	22.76 1.24 0.00	19.65 1.12 0.00	35.91 1.85 -0.01	52.81 2.26 0.00	70.76 2.77 0.00	65.15 2.51 0.00	58.76 2.34 0.00	47.29 1.83 0.00	42.47 1.65 0.00
HEMPSTEAD___ 23647	46.95 2.00 0.00	40.94 1.72 0.00	51.03 2.13 0.00	52.86 2.09 0.00	62.41 2.29 0.00	50.43 2.23 0.00	52.60 2.27 0.00	46.42 1.92 0.00	43.71 1.76 0.00	41.20 1.81 0.00	36.87 1.30 0.00	37.08 1.43 0.00	33.80 1.38 0.00	27.60 1.10 0.00	22.64 1.12 0.00	19.61 1.08 0.00	35.91 1.85 0.00	53.04 2.50 0.00	70.54 2.55 0.00	65.21 2.58 0.00	58.97 2.55 0.00	47.55 2.08 0.00	42.75 1.93 0.00
HEWLETT___69_KV_BK3 55828	47.35 2.40 0.00	41.31 2.08 0.00	51.45 2.55 0.00	53.28 2.51 0.00	62.88 2.75 0.00	50.79 2.59 0.00	53.03 2.70 0.00	46.79 2.28 0.00	44.03 2.08 0.00	41.55 2.16 0.00	37.16 1.59 0.00	37.38 1.73 0.00	34.09 1.67 0.00	27.84 1.34 0.00	22.83 1.31 0.00	19.77 1.24 0.00	36.18 2.14 0.00	53.40 2.86 0.00	71.19 3.20 0.00	65.77 3.14 0.00	59.45 3.03 0.00	47.93 2.47 0.00	43.10 2.28 0.00
HICKLING___1 23621	43.65 -1.31 0.00	38.09 -1.12 0.00	47.79 -1.11 0.00	49.55 -1.22 0.00	58.95 -1.18 0.00	46.59 -1.61 0.00	48.22 -2.11 0.00	42.53 -1.98 0.00	42.36 -1.77 -2.19	41.00 -2.06 -3.66	37.00 -1.97 -3.40	37.03 -2.02 -3.39	33.55 -2.06 -3.18	27.46 -1.77 -2.73	22.64 -1.34 -2.45	19.64 -1.14 -2.24	34.94 -1.88 -2.77	53.63 -2.16 -5.23	72.25 -2.42 -6.69	66.43 -2.35 -6.15	59.71 -2.44 -5.73	48.24 -2.09 -4.86	43.14 -2.05 -4.37
HICKLING___2 23622	43.65 -1.31 0.00	38.09 -1.12 0.00	47.79 -1.11 0.00	49.55 -1.22 0.00	58.95 -1.18 0.00	46.59 -1.61 0.00	48.22 -2.11 0.00	42.53 -1.98 0.00	42.36 -1.77 -2.19	41.00 -2.06 -3.66	37.00 -1.97 -3.40	37.03 -2.02 -3.39	33.55 -2.06 -3.18	27.46 -1.77 -2.73	22.64 -1.34 -2.45	19.64 -1.14 -2.24	34.94 -1.88 -2.77	53.63 -2.16 -5.23	72.25 -2.42 -6.69	66.43 -2.35 -6.15	59.71 -2.44 -5.73	48.24 -2.09 -4.86	43.14 -2.05 -4.37
HIGH FALLS___HY 23754	46.93 1.98 0.00	40.94 1.72 0.00	51.09 2.19 0.00	52.96 2.19 0.00	62.63 2.50 0.00	50.46 2.26 0.00	52.79 2.46 0.00	46.60 2.09 0.00	43.83 1.89 0.00	41.17 1.77 0.00	36.98 1.41 0.00	37.24 1.59 0.00	33.63 1.21 0.00	27.72 1.22 0.00	22.53 1.01 0.00	19.44 0.91 0.00	35.65 1.60 0.00	52.90 2.36 0.00	71.16 3.18 0.00	65.55 2.92 0.00	58.99 2.58 0.00	47.45 1.98 0.00	42.55 1.74 0.00
HIGH_RIVER___SOLAR 323847	46.50 1.55 0.00	40.56 1.34 0.00	50.62 1.72 0.00	52.55 1.78 0.00	62.19 2.06 0.00	49.96 1.76 0.00	52.24 1.90 0.00	46.08 1.58 0.00	42.98 1.04 0.00	40.25 0.85 0.00	36.42 0.85 0.00	36.40 0.75 0.00	33.15 0.73 0.00	27.23 0.73 0.00	21.92 0.40 0.00	18.83 0.30 0.00	34.74 0.69 0.00	52.26 1.72 0.00	70.55 2.57 0.00	65.00 2.37 0.00	58.52 2.11 0.00	47.12 1.66 0.00	42.25 1.43 0.00
HILLBURN___GT	46.24	40.36	50.38	52.22	61.66	49.66	51.94	45.88	43.19	40.61	36.45	36.65	33.42	27.37	22.35	19.29	35.27	52.17	69.96	64.47	58.03	46.76	42.00

23639	1.29 0.00	1.14 0.00	1.48 0.00	1.45 0.00	1.54 0.00	1.46 0.00	1.61 0.00	1.37 0.00	1.25 0.00	1.22 0.00	0.88 0.00	1.00 0.00	0.99 0.00	0.87 0.00	0.83 0.00	0.76 0.00	1.22 0.00	1.63 0.00	1.97 0.00	1.83 0.00	1.61 0.00	1.29 0.00	1.18 0.00
HILLSIDE_115KV_TB1 80332	43.43 -1.52 0.00	37.91 -1.31 0.00	47.53 -1.38 0.00	49.21 -1.56 0.00	58.50 -1.62 0.00	46.36 -1.84 0.00	48.06 -2.28 0.00	42.37 -2.13 0.00	41.97 -1.93 -1.95	40.59 -2.07 -3.26	36.68 -1.92 -3.03	36.76 -1.92 -3.02	33.32 -1.94 -2.84	27.29 -1.64 -2.43	22.51 -1.19 -2.19	19.50 -1.03 -2.00	34.72 -1.79 -2.46	52.97 -2.25 -4.67	71.21 -2.73 -5.96	65.51 -2.60 -5.48	58.93 -2.59 -5.11	47.64 -2.16 -4.33	42.59 -2.13 -3.90
HISHELDN_WT_PWR 323625	41.29 -3.66 0.00	36.07 -3.15 0.00	45.36 -3.54 0.00	47.25 -3.52 0.00	55.89 -4.24 0.00	43.71 -4.49 0.00	44.97 -5.36 0.00	39.91 -4.60 0.00	14.60 -4.35 23.00	-3.65 -4.62 38.43	-4.34 -4.25 35.66	-4.27 -4.30 35.63	-5.22 -4.19 33.45	-5.63 -3.50 28.63	-7.04 -2.80 25.76	-7.39 -2.38 23.54	0.98 -4.01 29.05	-9.69 -5.26 54.98	-8.87 -6.74 70.12	-7.98 -6.21 64.40	-9.56 -5.96 60.02	-10.32 -4.90 50.89	-9.36 -4.41 45.77
HOLTSVILLE_IC_1 23690	47.11 2.16 0.00	41.02 1.81 0.00	51.19 2.29 0.00	53.02 2.25 0.00	62.63 2.51 0.00	50.59 2.39 0.00	52.56 2.23 0.00	46.48 1.97 0.00	43.80 1.86 0.00	41.35 1.95 0.00	36.91 1.34 0.00	37.03 1.38 0.00	33.76 1.34 0.00	27.52 1.01 0.00	22.61 1.09 0.00	19.69 1.16 0.00	36.10 2.05 0.00	53.33 2.78 0.00	70.39 2.40 0.00	65.13 2.49 0.00	59.22 2.80 0.00	47.72 2.26 0.00	43.04 2.22 0.00
HOLTSVILLE_IC_10 23699	47.30 2.35 0.00	41.18 1.96 0.00	51.39 2.48 0.00	53.23 2.46 0.00	62.88 2.76 0.00	50.79 2.59 0.00	52.75 2.42 0.00	46.64 2.13 0.00	43.96 2.02 0.00	41.49 2.09 0.00	37.03 1.46 0.00	37.14 1.48 0.00	33.86 1.44 0.00	27.58 1.08 0.00	22.67 1.15 0.00	19.77 1.24 0.00	36.27 2.22 0.00	53.60 3.06 0.00	70.72 2.74 0.00	65.44 2.81 0.00	59.51 3.10 0.00	47.93 2.47 0.00	43.22 2.41 0.00
HOLTSVILLE_IC_2 23691	47.11 2.16 0.00	41.02 1.81 0.00	51.19 2.29 0.00	53.02 2.25 0.00	62.63 2.51 0.00	50.59 2.39 0.00	52.56 2.23 0.00	46.48 1.97 0.00	43.80 1.86 0.00	41.35 1.95 0.00	36.91 1.34 0.00	37.03 1.38 0.00	33.76 1.34 0.00	27.52 1.01 0.00	22.61 1.09 0.00	19.69 1.16 0.00	36.10 2.05 0.00	53.33 2.78 0.00	70.39 2.40 0.00	65.13 2.49 0.00	59.22 2.80 0.00	47.72 2.26 0.00	43.04 2.22 0.00
HOLTSVILLE_IC_3 23692	47.11 2.16 0.00	41.02 1.81 0.00	51.19 2.29 0.00	53.02 2.25 0.00	62.63 2.51 0.00	50.59 2.39 0.00	52.56 2.23 0.00	46.48 1.97 0.00	43.80 1.86 0.00	41.35 1.95 0.00	36.91 1.34 0.00	37.03 1.38 0.00	33.76 1.34 0.00	27.52 1.01 0.00	22.61 1.09 0.00	19.69 1.16 0.00	36.10 2.05 0.00	53.33 2.78 0.00	70.39 2.40 0.00	65.13 2.49 0.00	59.22 2.80 0.00	47.72 2.26 0.00	43.04 2.22 0.00
HOLTSVILLE_IC_4 23693	47.11 2.16 0.00	41.02 1.81 0.00	51.19 2.29 0.00	53.02 2.25 0.00	62.63 2.51 0.00	50.59 2.39 0.00	52.56 2.23 0.00	46.48 1.97 0.00	43.80 1.86 0.00	41.35 1.95 0.00	36.91 1.34 0.00	37.03 1.38 0.00	33.76 1.34 0.00	27.52 1.01 0.00	22.61 1.09 0.00	19.69 1.16 0.00	36.10 2.05 0.00	53.33 2.78 0.00	70.39 2.40 0.00	65.13 2.49 0.00	59.22 2.80 0.00	47.72 2.26 0.00	43.04 2.22 0.00
HOLTSVILLE_IC_5 23694	47.11 2.16 0.00	41.02 1.81 0.00	51.19 2.29 0.00	53.02 2.25 0.00	62.63 2.51 0.00	50.59 2.39 0.00	52.56 2.23 0.00	46.48 1.97 0.00	43.80 1.86 0.00	41.35 1.95 0.00	36.91 1.34 0.00	37.03 1.38 0.00	33.76 1.34 0.00	27.52 1.01 0.00	22.61 1.09 0.00	19.69 1.16 0.00	36.10 2.05 0.00	53.33 2.78 0.00	70.39 2.40 0.00	65.13 2.49 0.00	59.22 2.80 0.00	47.72 2.26 0.00	43.04 2.22 0.00
HOLTSVILLE_IC_6 23695	47.30 2.35 0.00	41.18 1.96 0.00	51.39 2.48 0.00	53.23 2.46 0.00	62.88 2.76 0.00	50.79 2.59 0.00	52.75 2.42 0.00	46.64 2.13 0.00	43.96 2.02 0.00	41.49 2.09 0.00	37.03 1.46 0.00	37.14 1.48 0.00	33.86 1.44 0.00	27.58 1.08 0.00	22.67 1.15 0.00	19.77 1.24 0.00	36.27 2.22 0.00	53.60 3.06 0.00	70.72 2.74 0.00	65.44 2.81 0.00	59.51 3.10 0.00	47.93 2.47 0.00	43.22 2.41 0.00
HOLTSVILLE_IC_7 23696	47.30 2.35 0.00	41.18 1.96 0.00	51.39 2.48 0.00	53.23 2.46 0.00	62.88 2.76 0.00	50.79 2.59 0.00	52.75 2.42 0.00	46.64 2.13 0.00	43.96 2.02 0.00	41.49 2.09 0.00	37.03 1.46 0.00	37.14 1.48 0.00	33.86 1.44 0.00	27.58 1.08 0.00	22.67 1.15 0.00	19.77 1.24 0.00	36.27 2.22 0.00	53.60 3.06 0.00	70.72 2.74 0.00	65.44 2.81 0.00	59.51 3.10 0.00	47.93 2.47 0.00	43.22 2.41 0.00
HOLTSVILLE_IC_8 23697	47.30 2.35 0.00	41.18 1.96 0.00	51.39 2.48 0.00	53.23 2.46 0.00	62.88 2.76 0.00	50.79 2.59 0.00	52.75 2.42 0.00	46.64 2.13 0.00	43.96 2.02 0.00	41.49 2.09 0.00	37.03 1.46 0.00	37.14 1.48 0.00	33.86 1.44 0.00	27.58 1.08 0.00	22.67 1.15 0.00	19.77 1.24 0.00	36.27 2.22 0.00	53.60 3.06 0.00	70.72 2.74 0.00	65.44 2.81 0.00	59.51 3.10 0.00	47.93 2.47 0.00	43.22 2.41 0.00
HOLTSVILLE_IC_9 23698	47.30 2.35 0.00	41.18 1.96 0.00	51.39 2.48 0.00	53.23 2.46 0.00	62.88 2.76 0.00	50.79 2.59 0.00	52.75 2.42 0.00	46.64 2.13 0.00	43.96 2.02 0.00	41.49 2.09 0.00	37.03 1.46 0.00	37.14 1.48 0.00	33.86 1.44 0.00	27.58 1.08 0.00	22.67 1.15 0.00	19.77 1.24 0.00	36.27 2.22 0.00	53.60 3.06 0.00	70.72 2.74 0.00	65.44 2.81 0.00	59.51 3.10 0.00	47.93 2.47 0.00	43.22 2.41 0.00
HOMER_HL_115KV_TB2 355744	44.24 -0.71 0.00	38.56 -0.65 0.00	48.52 -0.38 0.00	50.19 -0.58 0.00	59.36 -0.77 0.00	46.46 -1.73 0.00	47.86 -2.47 0.00	42.24 -2.27 0.00	39.85 -2.09 0.00	36.90 -2.50 0.00	33.62 -1.95 0.00	33.83 -1.83 0.00	30.58 -1.84 0.00	24.96 -1.55 0.00	20.38 -1.14 0.00	17.52 -1.01 0.00	32.20 -1.85 0.00	47.78 -2.76 0.00	64.64 -3.35 0.00	59.56 -3.08 0.00	53.12 -3.29 0.00	43.00 -2.47 0.00	38.68 -2.14 0.00
HOWARD_WT_PWR 323690	41.23 -3.72 0.00	36.20 -3.02 0.00	45.67 -3.23 0.00	47.70 -3.07 0.00	56.92 -3.21 0.00	43.93 -4.27 0.00	45.31 -5.02 0.00	40.34 -4.17 0.00	52.76 -3.71 -14.53	59.20 -4.48 -24.29	53.48 -4.63 -22.54	53.31 -4.86 -22.52	48.90 -4.66 -21.14	40.70 -3.89 -18.10	34.67 -3.12 -16.28	30.80 -2.61 -14.87	48.20 -4.21 -18.36	80.46 -4.83 -34.75	107.22 -5.09 -44.32	98.65 -4.69 -40.71	89.49 -4.87 -37.94	73.18 -4.46 -32.17	65.49 -4.26 -28.94
HQ_GEN_CEDARS	45.96	40.11	49.92	51.79	61.51	49.22	51.34	45.55	43.07	40.55	36.65	36.71	33.32	27.18	22.01	18.89	34.69	51.81	69.91	64.52	58.14	46.83	42.11

23644	1.01 0.00	0.89 0.00	1.02 0.00	1.02 0.00	1.38 0.00	1.02 0.00	1.01 0.00	1.05 0.00	1.12 0.00	1.15 0.00	1.08 0.00	1.06 0.00	0.90 0.00	0.67 0.00	0.48 0.00	0.36 0.00	0.64 0.00	1.26 0.00	1.92 0.00	1.89 0.00	1.73 0.00	1.37 0.00	1.29 0.00
HQ_GEN_CEDARS_PROXY 323590	45.96 1.01 0.00	40.11 0.89 0.00	49.92 1.02 0.00	51.79 1.02 0.00	61.50 1.38 0.00	49.21 1.02 0.00	51.34 1.00 0.00	45.55 1.04 0.00	43.07 1.12 0.00	40.55 1.15 0.00	36.65 1.08 0.00	36.71 1.06 0.00	33.32 0.90 0.00	27.18 0.67 0.00	22.01 0.48 0.00	18.89 0.36 0.00	34.69 0.64 0.00	51.81 1.26 0.00	69.91 1.92 0.00	64.52 1.89 0.00	58.15 1.73 0.00	46.83 1.37 0.00	42.11 1.29 0.00
HQ_GEN_IMPORT 323601	45.28 0.33 0.00	39.51 0.29 0.00	49.20 0.30 0.00	51.11 0.34 0.00	60.67 0.55 0.00	48.58 0.38 0.00	50.69 0.36 0.00	44.91 0.40 0.00	42.40 0.46 0.00	39.85 0.45 0.00	36.01 0.44 0.00	36.16 0.45 -0.06	32.82 0.40 0.00	26.80 0.30 0.00	21.74 0.21 0.00	18.69 0.16 0.00	34.31 0.26 0.00	51.21 0.50 -0.17	68.76 0.77 0.00	63.38 0.75 0.00	57.09 0.67 0.00	45.96 0.50 0.00	40.26 0.50 1.06
HQ_GEN_WHEEL 23651	45.28 0.33 0.00	39.51 0.29 0.00	49.20 0.30 0.00	51.11 0.34 0.00	60.67 0.55 0.00	48.58 0.38 0.00	50.69 0.36 0.00	44.91 0.40 0.00	42.40 0.46 0.00	39.85 0.45 0.00	36.01 0.44 0.00	36.16 0.45 -0.06	32.82 0.40 0.00	26.80 0.30 0.00	21.74 0.21 0.00	18.69 0.16 0.00	34.31 0.26 0.00	51.21 0.50 -0.17	68.76 0.77 0.00	63.38 0.75 0.00	57.09 0.67 0.00	45.96 0.50 0.00	40.26 0.50 1.06
HUDSON AVE_GT_3 23810	46.65 1.70 0.00	40.73 1.51 0.00	50.81 1.91 0.00	52.68 1.91 0.00	62.18 2.06 0.00	50.26 2.07 0.00	52.59 2.26 0.00	46.42 1.91 0.00	43.70 1.75 0.00	41.15 1.76 0.00	36.93 1.36 0.00	37.21 1.56 0.00	33.94 1.52 0.00	27.79 1.29 0.00	22.69 1.17 0.00	19.59 1.06 0.00	35.78 1.74 0.00	52.75 2.21 0.00	70.68 2.69 0.00	65.09 2.46 0.00	58.66 2.24 0.00	47.23 1.77 0.00	42.41 1.60 0.00
HUDSON AVE_GT_4 23540	46.65 1.70 0.00	40.73 1.51 0.00	50.81 1.91 0.00	52.68 1.91 0.00	62.18 2.06 0.00	50.26 2.07 0.00	52.59 2.26 0.00	46.42 1.91 0.00	43.70 1.75 0.00	41.15 1.76 0.00	36.93 1.36 0.00	37.21 1.56 0.00	33.94 1.52 0.00	27.79 1.29 0.00	22.69 1.17 0.00	19.59 1.06 0.00	35.78 1.74 0.00	52.75 2.21 0.00	70.68 2.69 0.00	65.09 2.46 0.00	58.66 2.24 0.00	47.23 1.77 0.00	42.41 1.60 0.00
HUDSON AVE_GT_5 23657	46.65 1.70 0.00	40.73 1.51 0.00	50.81 1.91 0.00	52.68 1.91 0.00	62.18 2.06 0.00	50.26 2.07 0.00	52.59 2.26 0.00	46.42 1.91 0.00	43.70 1.75 0.00	41.15 1.76 0.00	36.93 1.36 0.00	37.21 1.56 0.00	33.94 1.52 0.00	27.79 1.29 0.00	22.69 1.17 0.00	19.59 1.06 0.00	35.78 1.74 0.00	52.75 2.21 0.00	70.68 2.69 0.00	65.09 2.46 0.00	58.66 2.24 0.00	47.23 1.77 0.00	42.41 1.60 0.00
HUDSON_AVE_10 24168	46.48 1.53 0.00	40.58 1.36 0.00	50.64 1.74 0.00	52.51 1.75 0.00	61.98 1.86 0.00	50.09 1.89 0.00	52.44 2.11 0.00	46.30 1.79 0.00	43.59 1.65 0.00	41.05 1.66 0.00	36.84 1.27 0.00	37.14 1.49 0.00	33.89 1.47 0.00	27.75 1.25 0.00	22.63 1.11 0.00	19.52 0.99 0.00	35.67 1.62 0.00	52.55 2.00 0.00	70.43 2.44 0.00	64.84 2.21 0.00	58.44 2.02 0.00	47.05 1.58 0.00	42.26 1.45 0.00
HUDSON___115KV_TB 4 355613	47.49 2.54 0.00	41.41 2.19 0.00	51.70 2.79 0.00	53.67 2.90 0.00	63.45 3.33 0.00	50.96 2.76 0.00	53.36 3.03 0.00	47.10 2.60 0.00	44.23 2.29 0.00	41.44 2.04 0.00	37.46 1.90 0.00	37.59 1.94 0.00	34.06 1.64 0.00	28.03 1.53 0.00	22.69 1.17 0.00	19.43 0.90 0.00	35.82 1.77 0.00	53.35 2.81 0.00	71.93 3.95 0.00	66.20 3.57 0.00	59.62 3.20 0.00	47.97 2.50 0.00	42.99 2.18 0.00
HUNTER MOUNT___DRP 323613	47.84 2.89 0.00	41.71 2.49 0.00	52.09 3.18 0.00	54.08 3.31 0.00	63.93 3.81 0.00	51.33 3.13 0.00	53.79 3.45 0.00	47.47 2.96 0.00	44.59 2.64 0.00	41.73 2.34 0.00	37.73 2.16 0.00	37.88 2.23 0.00	34.26 1.83 0.00	28.25 1.75 0.00	22.82 1.30 0.00	19.52 0.99 0.00	36.06 2.01 0.00	53.77 3.23 0.00	72.54 4.55 0.00	66.76 4.13 0.00	60.09 3.67 0.00	48.33 2.86 0.00	43.29 2.48 0.00
HUNTINGTON_RES_REC 323705	47.13 2.18 0.00	41.04 1.82 0.00	51.17 2.27 0.00	53.00 2.23 0.00	62.58 2.46 0.00	50.58 2.39 0.00	52.71 2.38 0.00	46.56 2.05 0.00	43.84 1.90 0.00	41.36 1.96 0.00	36.92 1.35 0.00	37.05 1.40 0.00	33.76 1.34 0.00	27.52 1.02 0.00	22.61 1.09 0.00	19.66 1.13 0.00	36.01 1.96 0.00	53.16 2.62 0.00	70.45 2.47 0.00	65.17 2.53 0.00	59.13 2.71 0.00	47.71 2.25 0.00	42.98 2.16 0.00
HUNTLEY___63 23557	42.49 -2.46 0.00	36.97 -2.25 0.00	46.26 -2.64 0.00	47.94 -2.83 0.00	56.62 -3.50 0.00	44.32 -3.87 0.00	45.61 -4.72 0.00	40.29 -4.22 0.00	34.86 -3.65 3.43	29.99 -3.67 5.74	27.26 -2.98 5.33	27.33 -3.01 5.32	24.38 -3.05 5.00	19.64 -2.58 4.27	15.66 -2.02 3.85	13.25 -1.76 3.51	26.48 -3.23 4.34	37.59 -4.74 8.21	51.28 -6.22 10.48	47.35 -5.64 9.64	41.93 -5.50 8.99	33.57 -4.28 7.62	30.37 -3.59 6.86
HUNTLEY___64 23558	42.49 -2.46 0.00	36.97 -2.25 0.00	46.26 -2.64 0.00	47.94 -2.83 0.00	56.62 -3.50 0.00	44.32 -3.87 0.00	45.61 -4.72 0.00	40.29 -4.22 0.00	34.86 -3.65 3.43	29.99 -3.67 5.74	27.26 -2.98 5.33	27.33 -3.01 5.32	24.38 -3.05 5.00	19.64 -2.58 4.27	15.66 -2.02 3.85	13.25 -1.76 3.51	26.48 -3.23 4.34	37.59 -4.74 8.21	51.28 -6.22 10.48	47.35 -5.64 9.64	41.93 -5.50 8.99	33.57 -4.28 7.62	30.37 -3.59 6.86
HUNTLEY___65 23559	42.49 -2.46 0.00	36.97 -2.25 0.00	46.26 -2.64 0.00	47.94 -2.83 0.00	56.62 -3.50 0.00	44.32 -3.87 0.00	45.61 -4.72 0.00	40.29 -4.22 0.00	34.86 -3.65 3.43	29.99 -3.67 5.74	27.26 -2.98 5.33	27.33 -3.01 5.32	24.38 -3.05 5.00	19.64 -2.58 4.27	15.66 -2.02 3.85	13.25 -1.76 3.51	26.48 -3.23 4.34	37.59 -4.74 8.21	51.28 -6.22 10.48	47.35 -5.64 9.64	41.93 -5.50 8.99	33.57 -4.28 7.62	30.37 -3.59 6.86
HUNTLEY___66 23560	42.49 -2.46 0.00	36.97 -2.25 0.00	46.26 -2.64 0.00	47.94 -2.83 0.00	56.62 -3.50 0.00	44.32 -3.87 0.00	45.61 -4.72 0.00	40.29 -4.22 0.00	34.86 -3.65 3.43	29.99 -3.67 5.74	27.26 -2.98 5.33	27.33 -3.01 5.32	24.38 -3.05 5.00	19.64 -2.58 4.27	15.66 -2.02 3.85	13.25 -1.76 3.51	26.48 -3.23 4.34	37.59 -4.74 8.21	51.28 -6.22 10.48	47.35 -5.64 9.64	41.93 -5.50 8.99	33.57 -4.28 7.62	30.37 -3.59 6.86
HUNTLEY___67	42.45	36.96	46.27	47.95	56.62	44.34	45.62	40.30	35.06	30.28	27.52	27.59	24.68	19.92	15.89	13.47	26.72	37.97	51.75	47.73	42.29	33.89	30.64

23561	-2.50 0.00	-2.26 0.00	-2.63 0.00	-2.82 0.00	-3.50 0.00	-3.85 0.00	-4.71 0.00	-4.20 0.00	-3.62 3.27	-3.64 5.47	-2.97 5.07	-3.00 5.07	-2.98 4.76	-2.51 4.07	-1.97 3.66	-1.72 3.35	-3.20 4.13	-4.75 7.82	-6.22 10.01	-5.67 9.22	-5.53 8.60	-4.29 7.29	-3.62 6.55
HUNTLEY___68 23562	42.45 -2.50 0.00	36.96 -2.26 0.00	46.27 -2.63 0.00	47.95 -2.82 0.00	56.62 -3.50 0.00	44.34 -3.85 0.00	45.62 -4.71 0.00	40.30 -4.20 0.00	35.06 -3.62 3.27	30.28 -3.64 5.47	27.52 -2.97 5.07	27.59 -3.00 5.07	24.68 -2.98 4.76	19.92 -2.51 4.07	15.89 -1.97 3.66	13.47 -1.72 3.35	26.72 -3.20 4.13	37.97 -4.75 7.82	51.75 -6.22 10.01	47.73 -5.67 9.22	42.29 -5.53 8.60	33.89 -4.29 7.29	30.64 -3.62 6.55
HYLAND___LFGE 323620	44.59 -0.36 0.00	38.87 -0.35 0.00	48.73 -0.17 0.00	50.59 -0.18 0.00	60.09 -0.04 0.00	47.31 -0.89 0.00	48.88 -1.45 0.00	43.22 -1.29 0.00	56.00 -1.85 -15.91	63.41 -2.58 -26.59	57.75 -2.50 -24.68	57.51 -2.79 -24.65	52.74 -2.82 -23.14	43.91 -2.40 -19.81	37.43 -1.91 -17.82	33.23 -1.59 -16.28	51.59 -2.56 -20.10	85.84 -2.74 -38.04	115.16 -1.33 -48.50	106.25 -0.92 -44.54	96.60 -1.33 -41.51	79.37 -1.30 -35.20	71.14 -1.33 -31.66
INDECK___CORINTH 23802	48.27 3.32 0.00	42.18 2.96 0.00	52.83 3.93 0.00	54.71 3.94 0.00	64.67 4.55 0.00	51.91 3.71 0.00	54.55 4.22 0.00	48.15 3.64 0.00	45.03 3.08 0.00	42.04 2.65 0.00	38.07 2.50 0.00	38.08 2.42 0.00	34.68 2.26 0.00	28.46 1.96 0.00	23.19 1.67 0.00	19.82 1.29 0.00	36.52 2.48 0.00	54.18 3.63 0.00	72.64 4.65 0.00	66.80 4.17 0.00	60.29 3.88 0.00	48.42 2.96 0.00	43.42 2.60 0.00
INDECK___ILION 23567	45.37 0.42 0.00	39.56 0.34 0.00	49.38 0.48 0.00	51.26 0.49 0.00	60.65 0.53 0.00	48.90 0.70 0.00	51.21 0.88 0.00	45.25 0.75 0.00	42.34 0.40 0.00	39.66 0.27 0.00	35.77 0.20 0.00	35.80 0.15 0.00	32.59 0.17 0.00	26.68 0.18 0.00	21.62 0.10 0.00	18.57 0.05 0.00	34.36 0.31 0.00	51.21 0.66 0.00	68.85 0.87 0.00	63.31 0.68 0.00	57.20 0.78 0.00	46.09 0.62 0.00	41.29 0.47 0.00
INDECK___OLEAN 23982	44.25 -0.71 0.00	38.56 -0.66 0.00	48.53 -0.37 0.00	50.18 -0.58 0.00	59.36 -0.76 0.00	46.46 -1.74 0.00	47.86 -2.47 0.00	42.27 -2.23 0.00	39.88 -2.07 0.00	36.95 -2.45 0.00	33.66 -1.91 0.00	33.86 -1.79 0.00	30.60 -1.82 0.00	24.98 -1.52 0.00	20.37 -1.15 0.00	17.52 -1.02 0.00	32.23 -1.82 0.00	47.85 -2.69 0.00	64.72 -3.26 0.00	59.59 -3.04 0.00	53.16 -3.25 0.00	43.04 -2.43 0.00	38.71 -2.10 0.00
INDECK___OSWEGO 23783	43.19 -1.76 0.00	37.65 -1.56 0.00	46.98 -1.92 0.00	48.75 -2.02 0.00	57.71 -2.41 0.00	46.19 -2.00 0.00	48.17 -2.16 0.00	42.54 -1.96 0.00	40.19 -1.76 0.00	37.74 -1.66 0.00	34.09 -1.48 0.00	34.11 -1.54 0.00	30.95 -1.47 0.00	25.22 -1.28 0.00	20.49 -1.03 0.00	17.65 -0.87 0.00	32.52 -1.52 0.00	48.48 -2.07 0.00	65.22 -2.77 0.00	60.08 -2.55 0.00	54.03 -2.39 0.00	43.61 -1.86 0.00	39.08 -1.74 0.00
INDECK___YERKES 23781	42.52 -2.43 0.00	37.00 -2.23 0.00	46.30 -2.61 0.00	47.97 -2.80 0.00	56.68 -3.45 0.00	44.36 -3.84 0.00	45.65 -4.68 0.00	40.36 -4.15 0.00	34.94 -3.57 3.43	30.10 -3.56 5.74	27.33 -2.91 5.33	27.39 -2.95 5.32	24.44 -2.99 5.00	19.70 -2.53 4.27	15.66 -2.01 3.85	13.26 -1.75 3.51	26.55 -3.17 4.34	37.73 -4.60 8.21	51.45 -6.06 10.48	47.44 -5.55 9.64	42.04 -5.40 8.99	33.66 -4.18 7.62	30.45 -3.51 6.86
INDIAN POINT_GT_1 24139	46.28 1.33 0.00	40.40 1.18 0.00	50.42 1.52 0.00	52.27 1.50 0.00	61.71 1.59 0.00	49.74 1.54 0.00	52.02 1.69 0.00	45.95 1.44 0.00	43.21 1.27 0.00	40.66 1.26 0.00	36.49 0.93 0.00	36.72 1.07 0.00	33.47 1.05 0.00	27.42 0.92 0.00	22.39 0.87 0.00	19.33 0.80 0.00	35.35 1.30 0.00	52.24 1.69 0.00	70.04 2.05 0.00	64.53 1.89 0.00	58.13 1.71 0.00	46.82 1.36 0.00	42.05 1.24 0.00
INDIAN POINT_GT_2 23659	46.28 1.33 0.00	40.40 1.18 0.00	50.42 1.52 0.00	52.27 1.50 0.00	61.71 1.59 0.00	49.74 1.54 0.00	52.02 1.69 0.00	45.95 1.44 0.00	43.21 1.27 0.00	40.66 1.26 0.00	36.49 0.93 0.00	36.72 1.07 0.00	33.47 1.05 0.00	27.42 0.92 0.00	22.39 0.87 0.00	19.33 0.80 0.00	35.35 1.30 0.00	52.24 1.69 0.00	70.04 2.05 0.00	64.53 1.89 0.00	58.13 1.71 0.00	46.82 1.36 0.00	42.05 1.24 0.00
INDIAN POINT_GT_3 24019	46.28 1.33 0.00	40.40 1.18 0.00	50.42 1.52 0.00	52.27 1.50 0.00	61.71 1.59 0.00	49.74 1.54 0.00	52.02 1.69 0.00	45.95 1.44 0.00	43.21 1.27 0.00	40.66 1.26 0.00	36.49 0.93 0.00	36.72 1.07 0.00	33.47 1.05 0.00	27.42 0.92 0.00	22.39 0.87 0.00	19.33 0.80 0.00	35.35 1.30 0.00	52.24 1.69 0.00	70.04 2.05 0.00	64.53 1.89 0.00	58.13 1.71 0.00	46.82 1.36 0.00	42.05 1.24 0.00
INDIAN POINT___2 23530	46.10 1.15 0.00	40.24 1.02 0.00	50.23 1.33 0.00	52.07 1.30 0.00	61.49 1.36 0.00	49.52 1.33 0.00	51.80 1.46 0.00	45.74 1.24 0.00	43.05 1.10 0.00	40.48 1.08 0.00	36.32 0.75 0.00	36.55 0.89 0.00	33.30 0.88 0.00	27.28 0.77 0.00	22.28 0.76 0.00	19.23 0.70 0.00	35.16 1.11 0.00	52.01 1.47 0.00	69.73 1.74 0.00	64.25 1.62 0.00	57.86 1.44 0.00	46.63 1.16 0.00	41.88 1.07 0.00
INDIAN POINT___3 23531	46.29 1.34 0.00	40.40 1.18 0.00	50.43 1.53 0.00	52.28 1.51 0.00	61.72 1.60 0.00	49.74 1.54 0.00	52.05 1.71 0.00	45.97 1.46 0.00	43.24 1.30 0.00	40.68 1.28 0.00	36.52 0.95 0.00	36.75 1.09 0.00	33.50 1.08 0.00	27.44 0.94 0.00	22.40 0.88 0.00	19.34 0.81 0.00	35.37 1.32 0.00	52.26 1.72 0.00	70.04 2.05 0.00	64.53 1.89 0.00	58.14 1.72 0.00	46.83 1.37 0.00	42.06 1.25 0.00
INGHAM_C_115KV_TB7 356103	45.56 0.61 0.00	39.71 0.49 0.00	49.62 0.72 0.00	51.54 0.77 0.00	60.89 0.77 0.00	49.25 1.05 0.00	51.74 1.41 0.00	45.68 1.17 0.00	42.35 0.40 0.00	39.52 0.12 0.00	35.65 0.08 0.00	35.70 0.04 0.00	32.52 0.09 0.00	26.71 0.20 0.00	21.59 0.07 0.00	18.46 -0.07 0.00	34.44 0.39 0.00	51.59 1.05 0.00	69.36 1.38 0.00	63.60 0.97 0.00	57.59 1.17 0.00	46.35 0.88 0.00	41.48 0.67 0.00
IP CORINTH___1 23988	48.27 3.32 0.00	42.18 2.95 0.00	52.83 3.93 0.00	54.71 3.94 0.00	64.67 4.54 0.00	51.91 3.71 0.00	54.55 4.22 0.00	48.15 3.64 0.00	45.03 3.08 0.00	42.04 2.65 0.00	38.07 2.50 0.00	38.08 2.43 0.00	34.68 2.26 0.00	28.46 1.96 0.00	23.19 1.67 0.00	19.81 1.28 0.00	36.52 2.48 0.00	54.18 3.64 0.00	72.65 4.66 0.00	66.80 4.17 0.00	60.29 3.88 0.00	48.42 2.96 0.00	43.42 2.60 0.00
IP___TICONDEROGA	49.72	43.53	54.77	56.52	66.79	53.46	56.52	49.79	46.29	43.04	39.15	39.13	35.81	29.35	24.23	20.66	37.99	56.20	75.16	69.11	62.88	50.30	44.84

23804	4.78 0.00	4.31 0.00	5.87 0.00	5.75 0.00	6.67 0.00	5.26 0.00	6.19 0.00	5.28 0.00	4.34 0.00	3.64 0.00	3.58 0.00	3.47 0.00	3.39 0.00	2.85 0.00	2.72 0.00	2.13 0.00	3.94 0.00	5.66 0.00	7.17 0.00	6.48 0.00	6.46 0.00	4.83 0.00	4.02 0.00
ISLIP_RES_REC 323679	47.44 2.48 0.00	41.28 2.06 0.00	51.53 2.63 0.00	53.39 2.62 0.00	63.06 2.93 0.00	50.93 2.74 0.00	52.90 2.57 0.00	46.77 2.26 0.00	44.06 2.11 0.00	41.57 2.18 0.00	37.10 1.53 0.00	37.19 1.54 0.00	33.92 1.50 0.00	27.62 1.12 0.00	22.71 1.19 0.00	19.81 1.28 0.00	36.38 2.33 0.00	53.78 3.23 0.00	70.99 3.00 0.00	65.69 3.05 0.00	59.70 3.28 0.00	48.07 2.61 0.00	43.35 2.53 0.00
JAMAICA__27_KV_LOAD 355505	46.63 1.68 0.00	40.68 1.46 0.00	50.84 1.94 0.00	52.75 1.99 0.00	62.23 2.10 0.00	50.29 2.10 0.00	52.73 2.40 0.00	46.58 2.07 0.00	43.86 1.92 0.00	41.26 1.86 0.00	37.10 1.53 0.00	37.46 1.81 0.00	34.23 1.81 0.00	27.98 1.48 0.00	22.78 1.26 0.00	19.63 1.10 0.00	35.84 1.79 0.00	52.70 2.15 0.00	70.73 2.74 0.00	65.08 2.45 0.00	58.65 2.24 0.00	47.18 1.71 0.00	42.46 1.65 0.00
JANIS__SOLAR 323808	45.52 0.57 0.00	39.82 0.59 0.00	49.88 0.97 0.00	52.44 1.67 0.00	62.23 2.11 0.00	49.61 1.41 0.00	51.61 1.28 0.00	45.44 0.93 0.00	43.50 0.47 -1.08	41.26 0.05 -1.81	37.41 0.16 -1.68	37.15 -0.18 -1.68	33.48 -0.52 -1.58	27.18 -0.67 -1.35	21.98 -0.76 -1.21	19.10 -0.53 -1.11	35.14 -0.27 -1.37	54.20 1.06 -2.59	73.69 2.40 -3.31	68.04 2.37 -3.04	61.06 1.81 -2.83	48.97 1.10 -2.40	43.60 0.62 -2.16
JARVIS____ 23743	45.18 0.23 0.00	39.42 0.20 0.00	49.15 0.25 0.00	50.99 0.21 0.00	60.36 0.23 0.00	48.48 0.29 0.00	50.69 0.36 0.00	44.81 0.30 0.00	42.17 0.23 0.00	39.60 0.20 0.00	35.73 0.16 0.00	35.78 0.12 0.00	32.58 0.16 0.00	26.63 0.13 0.00	21.61 0.09 0.00	18.62 0.09 0.00	34.22 0.17 0.00	50.77 0.22 0.00	68.27 0.28 0.00	62.90 0.27 0.00	56.75 0.34 0.00	45.77 0.30 0.00	41.03 0.21 0.00
JENNISON____1 23625	44.99 0.04 0.00	39.53 0.31 0.00	49.38 0.48 0.00	52.17 1.40 0.00	61.93 1.81 0.00	49.35 1.15 0.00	51.37 1.04 0.00	45.47 0.96 0.00	42.65 0.70 0.00	39.77 0.37 0.00	35.87 0.30 0.00	35.59 -0.06 0.00	31.80 -0.62 0.00	25.90 -0.61 0.00	20.81 -0.71 0.00	18.03 -0.50 0.00	33.64 -0.41 0.00	51.19 0.64 0.00	69.98 1.99 0.00	64.69 2.06 0.00	58.20 1.78 0.00	46.18 0.71 0.00	40.72 -0.10 0.00
JENNISON____2 23626	44.99 0.04 0.00	39.53 0.31 0.00	49.38 0.48 0.00	52.17 1.40 0.00	61.93 1.81 0.00	49.35 1.15 0.00	51.37 1.04 0.00	45.47 0.96 0.00	42.65 0.70 0.00	39.77 0.37 0.00	35.87 0.30 0.00	35.59 -0.06 0.00	31.80 -0.62 0.00	25.90 -0.61 0.00	20.81 -0.71 0.00	18.03 -0.50 0.00	33.64 -0.41 0.00	51.19 0.64 0.00	69.98 1.99 0.00	64.69 2.06 0.00	58.20 1.78 0.00	46.18 0.71 0.00	40.72 -0.10 0.00
JERICOHO_RISE_WT_PWR 323719	44.67 -0.28 0.00	39.03 -0.19 0.00	48.71 -0.19 0.00	50.73 -0.03 0.00	60.49 0.37 0.00	48.31 0.11 0.00	50.48 0.14 0.00	44.84 0.33 0.00	42.28 0.33 0.00	39.70 0.30 0.00	35.91 0.35 0.00	36.14 0.49 0.00	32.95 0.53 0.00	26.95 0.45 0.00	21.78 0.26 0.00	18.55 0.02 0.00	34.15 0.11 0.00	51.31 0.76 0.00	69.25 1.26 0.00	63.81 1.18 0.00	57.40 0.98 0.00	45.98 0.52 0.00	41.63 0.81 0.00
KATONAH__115KV_46KV_TB4 355592	46.85 1.90 0.00	40.88 1.66 0.00	51.00 2.10 0.00	52.87 2.10 0.00	62.45 2.32 0.00	50.35 2.15 0.00	52.72 2.39 0.00	46.55 2.04 0.00	43.76 1.81 0.00	41.17 1.78 0.00	36.97 1.40 0.00	37.23 1.57 0.00	33.92 1.50 0.00	27.77 1.27 0.00	22.67 1.15 0.00	19.57 1.04 0.00	35.81 1.76 0.00	52.91 2.37 0.00	70.95 2.96 0.00	65.36 2.73 0.00	58.87 2.45 0.00	47.39 1.92 0.00	42.51 1.69 0.00
KCE_NY_1 323755	47.35 2.40 0.00	41.30 2.08 0.00	51.65 2.75 0.00	53.48 2.71 0.00	63.25 3.13 0.00	50.84 2.65 0.00	53.30 2.97 0.00	47.03 2.52 0.00	44.05 2.11 0.00	41.38 1.98 0.00	37.44 1.87 0.00	37.42 1.77 0.00	34.06 1.64 0.00	27.93 1.43 0.00	22.75 1.23 0.00	19.56 1.03 0.00	36.09 2.03 0.00	53.49 2.95 0.00	71.83 3.84 0.00	66.04 3.41 0.00	59.49 3.08 0.00	47.85 2.39 0.00	42.83 2.02 0.00
KCE_NY_6_ESR 323823	43.18 -1.77 0.00	37.55 -1.67 0.00	47.08 -1.82 0.00	48.80 -1.97 0.00	57.64 -2.48 0.00	45.16 -3.04 0.00	46.45 -3.88 0.00	41.02 -3.48 0.00	36.21 -2.97 2.77	31.72 -3.05 4.63	28.78 -2.50 4.29	28.83 -2.54 4.29	25.85 -2.55 4.03	20.88 -2.17 3.44	16.72 -1.70 3.10	14.22 -1.48 2.83	27.90 -2.65 3.50	40.07 -3.86 6.61	54.55 -4.98 8.46	50.29 -4.56 7.78	44.63 -4.54 7.25	35.76 -3.56 6.15	32.28 -3.01 5.53
KEDC_PORT_JEFF_GT2 24210	47.26 2.31 0.00	41.15 1.93 0.00	51.35 2.45 0.00	53.19 2.42 0.00	62.83 2.70 0.00	50.75 2.55 0.00	52.72 2.39 0.00	46.62 2.12 0.00	43.93 1.99 0.00	41.48 2.08 0.00	37.02 1.45 0.00	37.12 1.47 0.00	33.85 1.42 0.00	27.57 1.07 0.00	22.67 1.15 0.00	19.76 1.23 0.00	36.24 2.19 0.00	53.56 3.02 0.00	70.69 2.70 0.00	65.42 2.79 0.00	59.47 3.05 0.00	47.91 2.44 0.00	43.19 2.37 0.00
KEDC_PORT_JEFF_GT3 24211	47.26 2.31 0.00	41.15 1.93 0.00	51.35 2.45 0.00	53.19 2.42 0.00	62.83 2.70 0.00	50.75 2.55 0.00	52.72 2.39 0.00	46.62 2.12 0.00	43.93 1.99 0.00	41.48 2.08 0.00	37.02 1.45 0.00	37.12 1.47 0.00	33.85 1.42 0.00	27.57 1.07 0.00	22.67 1.15 0.00	19.76 1.23 0.00	36.24 2.19 0.00	53.56 3.02 0.00	70.69 2.70 0.00	65.42 2.79 0.00	59.47 3.05 0.00	47.91 2.44 0.00	43.19 2.37 0.00
KEDC_GLWD_GT4 24219	47.20 2.25 0.00	41.14 1.93 0.00	51.28 2.38 0.00	53.14 2.37 0.00	62.74 2.62 0.00	50.67 2.47 0.00	52.88 2.55 0.00	46.66 2.16 0.00	43.92 1.98 0.00	41.41 2.01 0.00	37.06 1.50 0.00	37.28 1.63 0.00	33.99 1.56 0.00	27.76 1.26 0.00	22.77 1.24 0.00	19.72 1.18 0.00	36.07 2.03 0.00	53.29 2.75 0.00	70.97 2.98 0.00	65.56 2.93 0.00	59.26 2.84 0.00	47.77 2.31 0.00	42.94 2.12 0.00
KEDC_GLWD_GT5 24220	47.20 2.25 0.00	41.14 1.93 0.00	51.28 2.38 0.00	53.14 2.37 0.00	62.74 2.62 0.00	50.67 2.47 0.00	52.88 2.55 0.00	46.66 2.16 0.00	43.92 1.98 0.00	41.41 2.01 0.00	37.06 1.50 0.00	37.28 1.63 0.00	33.99 1.56 0.00	27.76 1.26 0.00	22.77 1.24 0.00	19.72 1.18 0.00	36.07 2.03 0.00	53.29 2.75 0.00	70.97 2.98 0.00	65.56 2.93 0.00	59.26 2.84 0.00	47.77 2.31 0.00	42.94 2.12 0.00
KENSICO____	46.51	40.59	50.65	52.49	61.98	49.99	52.32	46.19	43.45	40.90	36.71	36.96	33.69	27.60	22.53	19.45	35.58	52.52	70.38	64.82	58.43	47.06	42.25

23655	1.56 0.00	1.37 0.00	1.74 0.00	1.72 0.00	1.85 0.00	1.79 0.00	1.99 0.00	1.68 0.00	1.50 0.00	1.50 0.00	1.14 0.00	1.31 0.00	1.27 0.00	1.10 0.00	1.01 0.00	0.92 0.00	1.53 0.00	1.98 0.00	2.39 0.00	2.19 0.00	2.01 0.00	1.60 0.00	1.43 0.00
KERHONKS_69_KV_TR1_REV_LBMP_G 345021	47.07 2.12 0.00	41.07 1.85 0.00	51.25 2.35 0.00	53.14 2.37 0.00	62.83 2.71 0.00	50.61 2.41 0.00	52.95 2.62 0.00	46.73 2.23 0.00	43.93 1.99 0.00	41.25 1.85 0.00	37.08 1.51 0.00	37.34 1.68 0.00	33.70 1.27 0.00	27.78 1.28 0.00	22.57 1.05 0.00	19.46 0.93 0.00	35.73 1.68 0.00	53.04 2.50 0.00	71.37 3.38 0.00	65.75 3.11 0.00	59.17 2.75 0.00	47.59 2.12 0.00	42.68 1.86 0.00
KIAC_JFK_GT1 23816	46.16 1.21 0.00	40.34 1.13 0.00	50.43 1.53 0.00	52.31 1.54 0.00	61.61 1.49 0.00	49.81 1.61 0.00	52.22 1.88 0.00	46.12 1.61 0.00	43.62 1.68 0.00	41.05 1.65 0.00	36.90 1.33 0.00	37.26 1.61 0.00	34.04 1.62 0.00	27.84 1.34 0.00	22.65 1.13 0.00	19.50 0.97 0.00	35.49 1.44 0.00	52.19 1.65 0.00	70.01 2.02 0.00	64.43 1.80 0.00	58.06 1.64 0.00	46.73 1.26 0.00	42.20 1.38 0.00
KIAC_JFK_GT2 23817	46.16 1.21 0.00	40.34 1.13 0.00	50.43 1.53 0.00	52.31 1.54 0.00	61.61 1.49 0.00	49.81 1.61 0.00	52.22 1.88 0.00	46.12 1.61 0.00	43.62 1.68 0.00	41.05 1.65 0.00	36.90 1.33 0.00	37.26 1.61 0.00	34.04 1.62 0.00	27.84 1.34 0.00	22.65 1.13 0.00	19.50 0.97 0.00	35.49 1.44 0.00	52.19 1.65 0.00	70.01 2.02 0.00	64.43 1.80 0.00	58.06 1.64 0.00	46.73 1.26 0.00	42.20 1.38 0.00
KIAC_JFK____ 323774	46.16 1.21 0.00	40.34 1.12 0.00	50.43 1.53 0.00	52.30 1.54 0.00	61.61 1.49 0.00	49.81 1.61 0.00	52.22 1.89 0.00	46.11 1.60 0.00	43.62 1.67 0.00	41.03 1.64 0.00	36.89 1.32 0.00	37.26 1.60 0.00	34.04 1.61 0.00	27.82 1.32 0.00	22.66 1.14 0.00	19.50 0.97 0.00	35.49 1.44 0.00	52.18 1.64 0.00	69.99 2.00 0.00	64.41 1.78 0.00	58.05 1.63 0.00	46.72 1.26 0.00	42.19 1.37 0.00
KINTIGH____ 23543	42.34 -2.61 0.00	36.88 -2.34 0.00	46.13 -2.77 0.00	47.80 -2.97 0.00	56.49 -3.63 0.00	44.40 -3.80 0.00	45.79 -4.54 0.00	40.46 -4.05 0.00	35.86 -3.50 2.59	31.62 -3.46 4.32	28.73 -2.83 4.01	28.74 -2.91 4.01	25.82 -2.85 3.76	20.89 -2.39 3.22	16.74 -1.89 2.89	14.24 -1.64 2.65	27.74 -3.05 3.27	39.85 -4.51 6.18	54.14 -5.95 7.90	49.92 -5.45 7.26	44.37 -5.29 6.77	35.65 -4.08 5.74	32.20 -3.45 5.16
KNTFSRNC_46_KV_46KV_LOAD 80397	44.90 -0.05 0.00	39.31 0.09 0.00	49.21 0.31 0.00	51.31 0.54 0.00	61.33 1.21 0.00	49.00 0.80 0.00	51.28 0.95 0.00	45.51 1.01 0.00	42.83 0.88 0.00	40.14 0.75 0.00	36.40 0.84 0.00	36.72 1.07 0.00	33.64 1.21 0.00	27.56 1.06 0.00	22.13 0.61 0.00	18.74 0.21 0.00	34.45 0.40 0.00	52.38 1.83 0.00	71.07 3.09 0.00	65.37 2.74 0.00	58.85 2.43 0.00	46.88 1.42 0.00	42.54 1.73 0.00
LACHUTE____HYDRO 323717	49.73 4.78 0.00	43.53 4.31 0.00	54.77 5.87 0.00	56.52 5.75 0.00	66.79 6.67 0.00	53.45 5.25 0.00	56.52 6.19 0.00	49.79 5.28 0.00	46.29 4.34 0.00	43.04 3.64 0.00	39.15 3.58 0.00	39.13 3.47 0.00	35.81 3.39 0.00	29.35 2.85 0.00	24.23 2.71 0.00	20.66 2.13 0.00	37.99 3.94 0.00	56.20 5.66 0.00	75.16 7.17 0.00	69.11 6.48 0.00	62.88 6.46 0.00	50.30 4.83 0.00	44.84 4.02 0.00
LAWRNCALV_115KV_TB1 80681	45.69 0.74 0.00	39.85 0.63 0.00	49.60 0.70 0.00	51.30 0.53 0.00	60.85 0.73 0.00	48.75 0.55 0.00	50.87 0.54 0.00	45.15 0.65 0.00	42.67 0.73 0.00	40.27 0.87 0.00	36.39 0.82 0.00	36.40 0.75 0.00	32.98 0.56 0.00	26.86 0.36 0.00	21.73 0.21 0.00	18.63 0.10 0.00	34.22 0.17 0.00	51.33 0.78 0.00	69.38 1.40 0.00	64.07 1.44 0.00	57.88 1.47 0.00	46.78 1.31 0.00	41.98 1.17 0.00
LEDERLE____ 23769	46.46 1.51 0.00	40.54 1.32 0.00	50.61 1.71 0.00	52.47 1.70 0.00	61.94 1.82 0.00	49.89 1.69 0.00	52.18 1.84 0.00	46.10 1.59 0.00	43.38 1.43 0.00	40.80 1.40 0.00	36.62 1.05 0.00	36.83 1.18 0.00	33.56 1.14 0.00	27.50 1.00 0.00	22.43 0.91 0.00	19.37 0.84 0.00	35.43 1.38 0.00	52.42 1.87 0.00	70.27 2.28 0.00	64.76 2.12 0.00	58.27 1.86 0.00	46.96 1.49 0.00	42.19 1.37 0.00
LIGHTHSE_115KV_TB6 355974	43.56 -1.39 0.00	37.95 -1.27 0.00	47.31 -1.59 0.00	49.10 -1.67 0.00	58.13 -2.00 0.00	46.56 -1.63 0.00	48.64 -1.69 0.00	42.92 -1.58 0.00	40.51 -1.44 0.00	38.12 -1.28 0.00	34.44 -1.13 0.00	34.30 -1.36 0.00	30.98 -1.45 0.00	25.08 -1.42 0.00	20.35 -1.17 0.00	17.55 -0.98 0.00	32.40 -1.65 0.00	48.85 -1.70 0.00	65.89 -2.09 0.00	60.86 -1.77 0.00	54.87 -1.55 0.00	44.52 -0.94 0.00	39.63 -1.19 0.00
LINDEN COGEN____ 23786	46.27 1.32 0.00	40.42 1.20 0.00	-1.54 1.52 51.96	52.27 1.50 0.00	61.71 1.58 0.00	49.88 1.68 0.00	52.17 1.84 0.00	46.03 1.53 0.00	43.35 1.41 0.00	40.81 1.42 0.00	36.61 1.04 0.00	36.87 1.21 0.00	33.64 1.21 0.00	27.55 1.05 0.00	22.51 0.99 0.00	19.43 0.90 0.00	35.47 1.42 0.00	52.30 1.76 0.00	70.06 2.08 0.00	64.53 1.90 0.00	58.13 1.71 0.00	46.83 1.36 0.00	42.08 1.26 0.00
LINDHRST_69_KV_BK1 356055	47.48 2.53 0.00	41.36 2.14 0.00	51.57 2.67 0.00	53.40 2.63 0.00	63.08 2.96 0.00	50.95 2.75 0.00	53.07 2.74 0.00	46.85 2.34 0.00	44.11 2.16 0.00	41.59 2.19 0.00	37.14 1.57 0.00	37.33 1.68 0.00	34.01 1.59 0.00	27.75 1.25 0.00	22.79 1.27 0.00	19.80 1.27 0.00	36.28 2.24 0.00	53.70 3.15 0.00	71.20 3.21 0.00	65.87 3.24 0.00	59.68 3.27 0.00	48.13 2.66 0.00	43.28 2.46 0.00
LIPA_MISC_IPP 23656	46.98 2.03 0.00	40.89 1.67 0.00	51.13 2.23 0.00	52.95 2.18 0.00	62.56 2.44 0.00	50.51 2.31 0.00	52.31 1.97 0.00	46.33 1.83 0.00	43.72 1.77 0.00	41.31 1.91 0.00	36.88 1.31 0.00	36.94 1.29 0.00	33.66 1.23 0.00	27.41 0.91 0.00	22.53 1.01 0.00	19.68 1.15 0.00	36.12 2.07 0.00	53.36 2.82 0.00	70.10 2.11 0.00	64.89 2.25 0.00	59.20 2.78 0.00	47.66 2.19 0.00	43.05 2.23 0.00
LISF__SOLAR 323691	47.05 2.10 0.00	40.97 1.75 0.00	51.23 2.32 0.00	53.04 2.27 0.00	62.68 2.55 0.00	50.60 2.40 0.00	52.40 2.07 0.00	46.39 1.89 0.00	43.76 1.81 0.00	41.33 1.93 0.00	36.89 1.32 0.00	36.95 1.29 0.00	33.67 1.25 0.00	27.41 0.91 0.00	22.54 1.02 0.00	19.70 1.18 0.00	36.17 2.12 0.00	53.47 2.92 0.00	70.23 2.24 0.00	65.00 2.37 0.00	59.32 2.90 0.00	47.74 2.28 0.00	43.11 2.30 0.00
LITTLE FALLS__HYD	45.56	39.71	49.62	51.54	60.89	49.25	51.74	45.68	42.35	39.52	35.65	35.70	32.52	26.71	21.59	18.46	34.44	51.59	69.36	63.60	57.59	46.35	41.48

24013	0.61 0.00	0.49 0.00	0.72 0.00	0.77 0.00	0.77 0.00	1.05 0.00	1.41 0.00	1.17 0.00	0.40 0.00	0.12 0.00	0.08 0.00	0.04 0.00	0.09 0.00	0.20 0.00	0.07 0.00	-0.07 0.00	0.39 0.00	1.05 0.00	1.38 0.00	0.97 0.00	1.17 0.00	0.88 0.00	0.67 0.00
LITTLRIV_115KV_TB1 356100	46.44 1.49 0.00	40.49 1.27 0.00	50.40 1.49 0.00	52.13 1.36 0.00	61.85 1.72 0.00	49.54 1.35 0.00	51.70 1.37 0.00	45.89 1.38 0.00	43.31 1.37 0.00	40.88 1.49 0.00	36.92 1.35 0.00	36.86 1.21 0.00	33.31 0.89 0.00	27.11 0.61 0.00	21.88 0.36 0.00	18.72 0.19 0.00	34.55 0.50 0.00	52.14 1.59 0.00	70.67 2.68 0.00	65.22 2.59 0.00	58.88 2.46 0.00	47.49 2.03 0.00	42.59 1.77 0.00
LI_NEWBRDGE___DRP 323616	46.83 1.88 0.00	40.83 1.61 0.00	50.89 1.99 0.00	52.72 1.95 0.00	62.23 2.11 0.00	50.27 2.08 0.00	52.45 2.12 0.00	46.32 1.81 0.00	43.60 1.65 0.00	41.11 1.72 0.00	36.78 1.21 0.00	36.99 1.33 0.00	33.72 1.30 0.00	27.54 1.04 0.00	22.58 1.05 0.00	19.56 1.03 0.00	35.80 1.75 0.00	52.85 2.30 0.00	70.31 2.33 0.00	64.97 2.33 0.00	58.77 2.35 0.00	47.40 1.93 0.00	42.64 1.82 0.00
LOCKPORT_115KV_TB60_63_64 80432	42.11 -2.84 0.00	36.64 -2.59 0.00	45.82 -3.08 0.00	47.53 -3.24 0.00	56.11 -4.02 0.00	43.93 -4.27 0.00	45.13 -5.20 0.00	39.91 -4.59 0.00	34.01 -4.07 3.86	28.83 -4.11 6.46	26.21 -3.37 5.99	26.36 -3.31 5.99	23.34 -3.46 5.62	18.78 -2.91 4.81	14.89 -2.30 4.33	12.58 -2.00 3.95	25.55 -3.62 4.88	36.06 -5.25 9.24	49.31 -6.88 11.80	45.50 -6.29 10.85	40.24 -6.07 10.11	32.16 -4.74 8.57	29.10 -4.01 7.71
LOCKPORT___CC1 323769	42.04 -2.91 0.00	36.58 -2.64 0.00	45.77 -3.13 0.00	47.48 -3.29 0.00	56.04 -4.08 0.00	43.87 -4.33 0.00	45.10 -5.23 0.00	39.92 -4.59 0.00	33.25 -4.07 4.63	27.60 -4.05 7.74	25.02 -3.37 7.18	25.14 -3.34 7.17	22.25 -3.44 6.74	17.84 -2.90 5.77	14.00 -2.33 5.18	11.79 -2.01 4.74	24.59 -3.61 5.85	34.28 -5.19 11.07	47.03 -6.83 14.14	43.36 -6.29 12.99	38.25 -6.06 12.11	30.49 -4.71 10.27	27.59 -4.00 9.23
LOCKPORT___CC2 323770	42.04 -2.91 0.00	36.58 -2.64 0.00	45.77 -3.13 0.00	47.48 -3.29 0.00	56.04 -4.08 0.00	43.87 -4.33 0.00	45.10 -5.23 0.00	39.92 -4.59 0.00	33.25 -4.07 4.63	27.60 -4.05 7.74	25.02 -3.37 7.18	25.14 -3.34 7.17	22.25 -3.44 6.74	17.84 -2.90 5.77	14.00 -2.33 5.18	11.79 -2.01 4.74	24.59 -3.61 5.85	34.28 -5.19 11.07	47.03 -6.83 14.14	43.36 -6.29 12.99	38.25 -6.06 12.11	30.49 -4.71 10.27	27.59 -4.00 9.23
LOCKPORT___CC3 323771	42.04 -2.91 0.00	36.58 -2.64 0.00	45.77 -3.13 0.00	47.48 -3.29 0.00	56.04 -4.08 0.00	43.87 -4.33 0.00	45.10 -5.23 0.00	39.92 -4.59 0.00	33.25 -4.07 4.63	27.60 -4.05 7.74	25.02 -3.37 7.18	25.14 -3.34 7.17	22.25 -3.44 6.74	17.84 -2.90 5.77	14.00 -2.33 5.18	11.79 -2.01 4.74	24.59 -3.61 5.85	34.28 -5.19 11.07	47.03 -6.83 14.14	43.36 -6.29 12.99	38.25 -6.06 12.11	30.49 -4.71 10.27	27.59 -4.00 9.23
LONG_LAKE_PHOENIX 24014	43.32 -1.63 0.00	37.76 -1.46 0.00	47.11 -1.79 0.00	48.89 -1.88 0.00	57.87 -2.25 0.00	46.28 -1.92 0.00	48.22 -2.12 0.00	42.59 -1.92 0.00	40.24 -1.71 0.00	37.77 -1.62 0.00	34.10 -1.47 0.00	34.17 -1.48 0.00	30.99 -1.43 0.00	25.25 -1.26 0.00	20.51 -1.01 0.00	17.71 -0.82 0.00	32.62 -1.43 0.00	48.64 -1.91 0.00	65.44 -2.55 0.00	60.24 -2.39 0.00	54.13 -2.28 0.00	43.63 -1.84 0.00	39.12 -1.69 0.00
LOVETT___3 23632	46.19 1.24 0.00	40.32 1.09 0.00	50.33 1.43 0.00	52.17 1.41 0.00	61.59 1.47 0.00	49.63 1.43 0.00	51.92 1.59 0.00	45.86 1.35 0.00	43.14 1.19 0.00	40.59 1.19 0.00	36.42 0.86 0.00	36.64 0.99 0.00	33.41 0.98 0.00	27.37 0.87 0.00	22.34 0.82 0.00	19.29 0.76 0.00	35.27 1.23 0.00	52.13 1.59 0.00	69.89 1.91 0.00	64.39 1.76 0.00	57.98 1.56 0.00	46.73 1.27 0.00	41.98 1.16 0.00
LOVETT___4 23642	46.19 1.24 0.00	40.32 1.09 0.00	50.33 1.43 0.00	52.17 1.41 0.00	61.59 1.47 0.00	49.63 1.43 0.00	51.92 1.59 0.00	45.86 1.35 0.00	43.14 1.19 0.00	40.59 1.19 0.00	36.42 0.86 0.00	36.64 0.99 0.00	33.41 0.98 0.00	27.37 0.87 0.00	22.34 0.82 0.00	19.29 0.76 0.00	35.27 1.23 0.00	52.13 1.59 0.00	69.89 1.91 0.00	64.39 1.76 0.00	57.98 1.56 0.00	46.73 1.27 0.00	41.98 1.16 0.00
LOVETT___5 23593	46.19 1.24 0.00	40.32 1.09 0.00	50.33 1.43 0.00	52.17 1.41 0.00	61.59 1.47 0.00	49.63 1.43 0.00	51.92 1.59 0.00	45.86 1.35 0.00	43.14 1.19 0.00	40.59 1.19 0.00	36.42 0.86 0.00	36.64 0.99 0.00	33.41 0.98 0.00	27.37 0.87 0.00	22.34 0.82 0.00	19.29 0.76 0.00	35.27 1.23 0.00	52.13 1.59 0.00	69.89 1.91 0.00	64.39 1.76 0.00	57.98 1.56 0.00	46.73 1.27 0.00	41.98 1.16 0.00
LOWER RAQUET___HYD 24057	45.60 0.65 0.00	39.78 0.56 0.00	49.49 0.59 0.00	51.14 0.38 0.00	60.64 0.51 0.00	48.59 0.39 0.00	50.72 0.39 0.00	45.02 0.51 0.00	42.54 0.59 0.00	40.19 0.79 0.00	36.30 0.73 0.00	36.30 0.64 0.00	32.87 0.44 0.00	26.76 0.26 0.00	21.64 0.11 0.00	18.54 0.01 0.00	34.06 0.01 0.00	51.18 0.63 0.00	69.19 1.21 0.00	63.92 1.29 0.00	57.80 1.38 0.00	46.76 1.29 0.00	41.94 1.12 0.00
LOWER___HUDSON 24059	46.64 1.69 0.00	40.70 1.48 0.00	50.84 1.94 0.00	52.75 1.98 0.00	62.30 2.18 0.00	50.01 1.81 0.00	52.46 2.13 0.00	46.32 1.81 0.00	43.38 1.44 0.00	40.76 1.36 0.00	36.74 1.17 0.00	36.87 1.22 0.00	33.62 1.20 0.00	27.58 1.08 0.00	22.45 0.92 0.00	19.34 0.81 0.00	35.56 1.52 0.00	52.46 1.91 0.00	70.38 2.39 0.00	64.78 2.14 0.00	58.46 2.04 0.00	47.08 1.61 0.00	42.25 1.44 0.00
LOWVILLE_115KV_TB2 356335	44.32 -0.63 0.00	38.48 -0.74 0.00	47.91 -0.99 0.00	49.76 -1.01 0.00	59.19 -0.94 0.00	47.79 -0.40 0.00	50.07 -0.26 0.00	44.15 -0.35 0.00	41.58 -0.37 0.00	39.21 -0.19 0.00	35.27 -0.30 0.00	34.92 -0.74 0.00	31.55 -0.87 0.00	25.38 -1.12 0.00	20.59 -0.93 0.00	17.77 -0.76 0.00	32.94 -1.11 0.00	49.81 -0.73 0.00	67.40 -0.59 0.00	62.57 -0.06 0.00	56.87 0.45 0.00	46.46 0.99 0.00	40.99 0.18 0.00
LUTHERFT_115KV_GLOB_FND_222 355753	47.33 2.38 0.00	41.29 2.07 0.00	51.62 2.72 0.00	53.52 2.75 0.00	63.26 3.14 0.00	50.80 2.60 0.00	53.27 2.93 0.00	47.03 2.52 0.00	44.04 2.10 0.00	41.31 1.92 0.00	37.35 1.78 0.00	37.41 1.75 0.00	34.06 1.64 0.00	27.93 1.43 0.00	22.74 1.22 0.00	19.56 1.03 0.00	36.04 2.00 0.00	53.43 2.88 0.00	71.72 3.73 0.00	65.94 3.31 0.00	59.44 3.03 0.00	47.82 2.36 0.00	42.87 2.05 0.00
LUTHERNY_35_KV_BK2	47.35	41.30	51.65	53.49	63.25	50.85	53.30	47.03	44.05	41.38	37.44	37.42	34.06	27.93	22.75	19.56	36.09	53.51	71.83	66.05	59.50	47.86	42.83

355980	2.41 0.00	2.08 0.00	2.75 0.00	2.72 0.00	3.13 0.00	2.65 0.00	2.97 0.00	2.52 0.00	2.11 0.00	1.99 0.00	1.87 0.00	1.77 0.00	1.64 0.00	1.43 0.00	1.23 0.00	1.03 0.00	2.04 0.00	2.96 0.00	3.85 0.00	3.41 0.00	3.08 0.00	2.39 0.00	2.02 0.00
LWR___OSWEGATCHIE_HYD 23850	44.69 -0.26 0.00	38.90 -0.32 0.00	48.41 -0.49 0.00	50.14 -0.63 0.00	59.55 -0.58 0.00	47.91 -0.29 0.00	50.10 -0.23 0.00	44.32 -0.19 0.00	41.81 -0.14 0.00	39.46 0.06 0.00	35.59 0.02 0.00	35.38 -0.27 0.00	31.97 -0.45 0.00	25.86 -0.64 0.00	20.94 -0.58 0.00	18.02 -0.51 0.00	33.24 -0.81 0.00	50.24 -0.31 0.00	67.97 -0.01 0.00	62.91 0.28 0.00	57.01 0.59 0.00	46.33 0.87 0.00	41.22 0.40 0.00
LYONS_FALL_HYD 23570	44.94 -0.01 0.00	39.08 -0.14 0.00	48.68 -0.22 0.00	50.54 -0.23 0.00	60.02 -0.10 0.00	48.37 0.17 0.00	50.64 0.30 0.00	44.70 0.20 0.00	42.08 0.14 0.00	39.61 0.22 0.00	35.69 0.12 0.00	35.43 -0.22 0.00	32.14 -0.28 0.00	25.98 -0.52 0.00	21.06 -0.46 0.00	18.17 -0.36 0.00	33.64 -0.41 0.00	50.58 0.04 0.00	68.31 0.33 0.00	63.20 0.57 0.00	57.23 0.81 0.00	46.50 1.04 0.00	41.24 0.43 0.00
MADISON___COUNTY_LFGE 323628	45.63 0.68 0.00	39.76 0.54 0.00	49.58 0.69 0.00	51.51 0.75 0.00	61.06 0.94 0.00	49.01 0.82 0.00	51.25 0.92 0.00	45.29 0.78 0.00	42.63 0.68 0.00	39.99 0.60 0.00	36.09 0.52 0.00	35.90 0.25 0.00	32.76 0.34 0.00	26.56 0.06 0.00	21.51 -0.01 0.00	18.54 0.01 0.00	34.35 0.30 0.00	51.43 0.89 0.00	69.41 1.42 0.00	63.86 1.23 0.00	57.50 1.08 0.00	46.34 0.87 0.00	41.39 0.57 0.00
MALONE___115KV_TB1 356076	45.60 0.65 0.00	39.82 0.59 0.00	49.64 0.74 0.00	51.63 0.85 0.00	61.48 1.35 0.00	49.12 0.93 0.00	51.35 1.02 0.00	45.64 1.13 0.00	43.10 1.15 0.00	40.57 1.18 0.00	36.67 1.10 0.00	36.82 1.17 0.00	33.49 1.07 0.00	27.34 0.84 0.00	22.10 0.58 0.00	18.79 0.26 0.00	34.61 0.56 0.00	52.12 1.58 0.00	70.48 2.49 0.00	64.99 2.36 0.00	58.47 2.05 0.00	46.88 1.41 0.00	42.29 1.48 0.00
MAPLEWOD_115KV_TB3 80458	46.66 1.71 0.00	40.71 1.49 0.00	50.81 1.91 0.00	52.78 2.01 0.00	62.30 2.18 0.00	50.03 1.83 0.00	52.43 2.10 0.00	46.30 1.79 0.00	43.44 1.49 0.00	40.83 1.43 0.00	36.81 1.24 0.00	36.99 1.34 0.00	33.71 1.29 0.00	27.66 1.15 0.00	22.47 0.95 0.00	19.37 0.84 0.00	35.59 1.54 0.00	52.51 1.96 0.00	70.47 2.48 0.00	64.85 2.21 0.00	58.50 2.08 0.00	47.13 1.66 0.00	42.30 1.48 0.00
MAPLE_RIDGE_WT_1 323574	44.26 -0.69 0.00	38.63 -0.60 0.00	48.07 -0.83 0.00	50.09 -0.68 0.00	59.53 -0.59 0.00	47.80 -0.39 0.00	49.95 -0.38 0.00	44.20 -0.31 0.00	41.73 -0.22 0.00	39.23 -0.17 0.00	35.40 -0.16 0.00	35.34 -0.31 0.00	32.00 -0.43 0.00	26.07 -0.43 0.00	21.15 -0.37 0.00	18.20 -0.33 0.00	33.43 -0.62 0.00	49.70 -0.85 0.00	66.87 -1.12 0.00	62.01 -0.63 0.00	56.01 -0.41 0.00	45.39 -0.08 0.00	40.53 -0.29 0.00
MAPLE_RIDGE_WT_2 323611	44.26 -0.69 0.00	38.63 -0.60 0.00	48.07 -0.83 0.00	50.09 -0.68 0.00	59.53 -0.59 0.00	47.80 -0.39 0.00	49.95 -0.38 0.00	44.20 -0.31 0.00	41.73 -0.22 0.00	39.23 -0.17 0.00	35.40 -0.16 0.00	35.34 -0.31 0.00	32.00 -0.43 0.00	26.07 -0.43 0.00	21.15 -0.37 0.00	18.20 -0.33 0.00	33.43 -0.62 0.00	49.70 -0.85 0.00	66.87 -1.12 0.00	62.01 -0.63 0.00	56.01 -0.41 0.00	45.39 -0.08 0.00	40.53 -0.29 0.00
MARBLE_RIVER_WT_PWR 323696	43.53 -1.42 0.00	38.22 -1.00 0.00	48.00 -0.90 0.00	50.17 -0.59 0.00	60.23 0.11 0.00	48.05 -0.15 0.00	50.34 0.01 0.00	44.74 0.23 0.00	41.97 0.03 0.00	39.21 -0.19 0.00	35.61 0.04 0.00	36.11 0.45 0.00	33.19 0.77 0.00	27.24 0.74 0.00	21.77 0.25 0.00	18.35 -0.18 0.00	33.80 -0.25 0.00	51.87 1.32 0.00	70.42 2.43 0.00	64.64 2.00 0.00	58.22 1.80 0.00	46.16 0.69 0.00	42.16 1.35 0.00
MARSHVLE_115KV_TB1 80742	46.77 1.82 0.00	40.77 1.55 0.00	50.86 1.96 0.00	52.83 2.06 0.00	62.77 2.65 0.00	50.51 2.31 0.00	52.61 2.28 0.00	46.50 2.00 0.00	43.41 1.47 0.00	40.59 1.20 0.00	36.84 1.27 0.00	36.75 1.10 0.00	33.39 0.97 0.00	27.20 0.70 0.00	21.74 0.22 0.00	18.74 0.21 0.00	34.66 0.61 0.00	52.67 2.13 0.00	71.45 3.47 0.00	65.99 3.35 0.00	59.34 2.92 0.00	47.76 2.30 0.00	42.76 1.94 0.00
MARSH_HILL_WT_PWR 323713	41.17 -3.78 0.00	36.18 -3.04 0.00	45.56 -3.34 0.00	47.60 -3.17 0.00	56.88 -3.24 0.00	43.95 -4.25 0.00	45.33 -5.00 0.00	40.34 -4.17 0.00	54.03 -3.77 -15.85	61.39 -4.51 -26.50	55.52 -4.63 -24.59	55.36 -4.86 -24.56	50.82 -4.66 -23.06	42.36 -3.88 -19.74	36.16 -3.12 -17.76	32.15 -2.60 -16.22	49.86 -4.21 -20.03	83.60 -4.85 -37.90	111.17 -5.16 -48.34	102.29 -4.75 -44.41	92.90 -4.90 -41.38	76.09 -4.47 -35.09	68.10 -4.28 -31.56
MCINTYRE_115KV_TB2 80467	46.89 1.94 0.00	40.90 1.68 0.00	50.88 1.98 0.00	52.71 1.94 0.00	62.59 2.47 0.00	50.11 1.92 0.00	52.28 1.95 0.00	46.40 1.89 0.00	43.76 1.82 0.00	41.27 1.88 0.00	37.26 1.70 0.00	37.18 1.52 0.00	33.57 1.15 0.00	27.33 0.83 0.00	22.04 0.52 0.00	18.88 0.35 0.00	34.86 0.81 0.00	52.66 2.12 0.00	71.43 3.44 0.00	65.95 3.32 0.00	59.44 3.02 0.00	47.83 2.37 0.00	42.92 2.10 0.00
MECO_____69_KV_BK1 80468	47.62 2.67 0.00	41.50 2.28 0.00	51.77 2.87 0.00	53.77 3.00 0.00	63.78 3.66 0.00	51.27 3.07 0.00	53.54 3.20 0.00	47.28 2.78 0.00	43.91 1.97 0.00	41.00 1.61 0.00	37.21 1.64 0.00	37.05 1.39 0.00	33.79 1.37 0.00	27.75 1.24 0.00	22.17 0.65 0.00	18.83 0.30 0.00	35.06 1.01 0.00	53.67 3.12 0.00	72.82 4.84 0.00	67.14 4.51 0.00	60.30 3.88 0.00	48.47 3.00 0.00	43.36 2.54 0.00
MENANDS___115KV_TB5 355628	46.54 1.59 0.00	40.62 1.40 0.00	50.71 1.81 0.00	52.67 1.90 0.00	62.18 2.06 0.00	49.92 1.72 0.00	52.31 1.98 0.00	46.19 1.68 0.00	43.35 1.40 0.00	40.75 1.36 0.00	36.74 1.17 0.00	36.90 1.25 0.00	33.64 1.22 0.00	27.59 1.09 0.00	22.43 0.91 0.00	19.33 0.80 0.00	35.52 1.48 0.00	52.35 1.80 0.00	70.21 2.22 0.00	64.63 1.99 0.00	58.33 1.91 0.00	47.00 1.54 0.00	42.19 1.37 0.00
MG INDUSTRY___DRP 24185	46.50 1.55 0.00	40.59 1.37 0.00	50.67 1.77 0.00	52.60 1.83 0.00	62.15 2.03 0.00	49.89 1.69 0.00	52.20 1.87 0.00	46.08 1.58 0.00	43.28 1.33 0.00	40.58 1.19 0.00	36.65 1.08 0.00	36.79 1.13 0.00	33.49 1.07 0.00	27.48 0.98 0.00	22.28 0.76 0.00	19.14 0.61 0.00	35.27 1.22 0.00	52.27 1.72 0.00	70.20 2.21 0.00	64.62 1.99 0.00	58.25 1.84 0.00	46.96 1.49 0.00	42.14 1.32 0.00
MID___OSWEGATCHIE_HYD	44.69	38.90	48.41	50.14	59.55	47.91	50.10	44.32	41.81	39.46	35.59	35.38	31.97	25.86	20.94	18.02	33.24	50.24	67.97	62.91	57.01	46.33	41.22

23849	-0.26 0.00	-0.32 0.00	-0.49 0.00	-0.63 0.00	-0.58 0.00	-0.29 0.00	-0.23 0.00	-0.19 0.00	-0.14 0.00	0.06 0.00	0.02 0.00	-0.27 0.00	-0.45 0.00	-0.64 0.00	-0.58 0.00	-0.51 0.00	-0.81 0.00	-0.31 0.00	-0.01 0.00	0.28 0.00	0.59 0.00	0.87 0.00	0.40 0.00
MID___RAQUETTE_HYD 23851	45.60 0.65 0.00	39.78 0.56 0.00	49.50 0.59 0.00	51.14 0.37 0.00	60.64 0.51 0.00	48.59 0.39 0.00	50.72 0.39 0.00	45.02 0.52 0.00	42.54 0.59 0.00	40.19 0.79 0.00	36.30 0.74 0.00	36.30 0.64 0.00	32.87 0.45 0.00	26.76 0.25 0.00	21.63 0.11 0.00	18.54 0.02 0.00	34.06 0.01 0.00	51.18 0.64 0.00	69.19 1.21 0.00	63.93 1.30 0.00	57.80 1.38 0.00	46.76 1.29 0.00	41.94 1.12 0.00
MILLIKEN___1 23584	44.98 0.03 0.00	39.24 0.02 0.00	48.99 0.09 0.00	50.98 0.21 0.00	60.43 0.31 0.00	48.25 0.05 0.00	50.24 -0.09 0.00	44.26 -0.25 0.00	42.91 -0.19 -1.15	40.90 -0.42 -1.92	36.94 -0.41 -1.78	37.00 -0.44 -1.78	33.45 -0.65 -1.67	27.17 -0.76 -1.43	22.19 -0.62 -1.29	19.21 -0.50 -1.18	34.95 -0.56 -1.45	53.21 -0.08 -2.75	71.74 0.25 -3.51	66.01 0.15 -3.23	59.37 -0.05 -3.00	47.87 -0.14 -2.55	42.86 -0.25 -2.29
MILLIKEN___2 23585	44.98 0.03 0.00	39.24 0.02 0.00	48.99 0.09 0.00	50.98 0.21 0.00	60.43 0.31 0.00	48.25 0.05 0.00	50.24 -0.09 0.00	44.26 -0.25 0.00	42.91 -0.19 -1.15	40.90 -0.42 -1.92	36.94 -0.41 -1.78	37.00 -0.44 -1.78	33.45 -0.65 -1.67	27.17 -0.76 -1.43	22.19 -0.62 -1.29	19.21 -0.50 -1.18	34.95 -0.56 -1.45	53.21 -0.08 -2.75	71.74 0.25 -3.51	66.01 0.15 -3.23	59.37 -0.05 -3.00	47.87 -0.14 -2.55	42.86 -0.25 -2.29
MILLIKEN___DIESEL 23629	44.98 0.03 0.00	39.24 0.02 0.00	48.99 0.09 0.00	50.98 0.21 0.00	60.43 0.31 0.00	48.25 0.05 0.00	50.24 -0.09 0.00	44.26 -0.25 0.00	42.91 -0.19 -1.15	40.90 -0.42 -1.92	36.94 -0.41 -1.78	37.00 -0.44 -1.78	33.45 -0.65 -1.67	27.17 -0.76 -1.43	22.19 -0.62 -1.29	19.21 -0.50 -1.18	34.95 -0.56 -1.45	53.21 -0.08 -2.75	71.74 0.25 -3.51	66.01 0.15 -3.23	59.37 -0.05 -3.00	47.87 -0.14 -2.55	42.86 -0.25 -2.29
MILLSEAT___LFGE 323607	43.18 -1.77 0.00	37.55 -1.67 0.00	46.96 -1.94 0.00	48.68 -2.09 0.00	57.51 -2.61 0.00	45.15 -3.05 0.00	46.54 -3.79 0.00	41.17 -3.33 0.00	35.75 -3.07 3.12	30.99 -3.20 5.21	28.30 -2.44 4.83	28.53 -2.29 4.83	24.99 -2.90 4.53	20.12 -2.50 3.88	16.01 -2.02 3.49	13.62 -1.72 3.19	27.33 -2.78 3.94	39.42 -3.67 7.45	53.77 -4.70 9.52	49.52 -4.36 8.75	43.89 -4.37 8.16	35.12 -3.43 6.92	31.67 -2.93 6.22
MILLWOOD_138_KV_38W41_REV_LBMP_H 345005	46.37 1.42 0.00	40.47 1.26 0.00	50.52 1.62 0.00	52.36 1.59 0.00	61.82 1.69 0.00	49.84 1.64 0.00	52.15 1.81 0.00	46.05 1.54 0.00	43.31 1.36 0.00	40.75 1.36 0.00	36.58 1.01 0.00	36.82 1.17 0.00	33.56 1.14 0.00	27.50 0.99 0.00	22.44 0.92 0.00	19.38 0.85 0.00	35.44 1.40 0.00	52.36 1.82 0.00	70.16 2.18 0.00	64.63 2.00 0.00	58.23 1.82 0.00	46.92 1.46 0.00	42.13 1.31 0.00
MILLWOOD_13_KV_LOAD 356217	46.43 1.48 0.00	40.52 1.30 0.00	50.57 1.67 0.00	52.43 1.66 0.00	61.91 1.78 0.00	49.91 1.71 0.00	52.22 1.89 0.00	46.11 1.60 0.00	43.36 1.42 0.00	40.80 1.40 0.00	36.62 1.05 0.00	36.87 1.21 0.00	33.60 1.18 0.00	27.51 1.02 0.00	22.47 0.95 0.00	19.40 0.87 0.00	35.48 1.44 0.00	52.42 1.87 0.00	70.28 2.29 0.00	64.74 2.11 0.00	58.34 1.92 0.00	46.98 1.51 0.00	42.18 1.36 0.00
MODEL_CITY_ENERGY 24167	41.75 -3.20 0.00	36.29 -2.93 0.00	45.39 -3.51 0.00	47.08 -3.69 0.00	55.56 -4.57 0.00	43.49 -4.71 0.00	44.67 -5.66 0.00	39.56 -4.94 0.00	33.85 -4.40 3.70	28.88 -4.34 6.18	26.22 -3.61 5.73	26.33 -3.60 5.73	23.41 -3.63 5.38	18.84 -3.06 4.60	14.93 -2.45 4.14	12.62 -2.13 3.78	25.51 -3.87 4.67	36.05 -5.66 8.84	49.22 -7.48 11.29	45.37 -6.89 10.38	40.15 -6.59 9.67	32.15 -5.12 8.20	29.11 -4.33 7.38
MODERN_LFGE___ 323580	41.75 -3.20 0.00	36.29 -2.93 0.00	45.39 -3.51 0.00	47.08 -3.69 0.00	55.56 -4.57 0.00	43.49 -4.71 0.00	44.67 -5.66 0.00	39.56 -4.94 0.00	33.85 -4.40 3.70	28.88 -4.34 6.18	26.22 -3.61 5.73	26.33 -3.60 5.73	23.41 -3.63 5.38	18.84 -3.06 4.60	14.93 -2.45 4.14	12.62 -2.13 3.78	25.51 -3.87 4.67	36.05 -5.66 8.84	49.22 -7.48 11.29	45.37 -6.89 10.38	40.15 -6.59 9.67	32.15 -5.12 8.20	29.11 -4.33 7.38
MOHAWK_PAPER___DRP 24187	46.66 1.71 0.00	40.71 1.49 0.00	50.81 1.91 0.00	52.78 2.01 0.00	62.30 2.18 0.00	50.03 1.83 0.00	52.43 2.10 0.00	46.30 1.79 0.00	43.44 1.49 0.00	40.83 1.43 0.00	36.81 1.24 0.00	36.99 1.34 0.00	33.71 1.29 0.00	27.66 1.15 0.00	22.47 0.95 0.00	19.37 0.84 0.00	35.59 1.54 0.00	52.51 1.96 0.00	70.47 2.48 0.00	64.85 2.21 0.00	58.50 2.08 0.00	47.13 1.66 0.00	42.30 1.48 0.00
MOHICAN___35_KV_115KV_LD 80490	48.33 3.39 0.00	42.22 3.00 0.00	52.89 3.99 0.00	54.76 4.00 0.00	64.73 4.61 0.00	51.96 3.76 0.00	54.61 4.28 0.00	48.19 3.68 0.00	45.04 3.09 0.00	42.08 2.68 0.00	38.10 2.53 0.00	38.11 2.46 0.00	34.73 2.31 0.00	28.50 2.00 0.00	23.25 1.73 0.00	19.90 1.37 0.00	36.69 2.65 0.00	54.40 3.86 0.00	72.90 4.91 0.00	67.04 4.41 0.00	60.54 4.12 0.00	48.61 3.15 0.00	43.56 2.74 0.00
MONGAUP___HYD 23641	46.77 1.82 0.00	40.81 1.59 0.00	50.91 2.01 0.00	52.79 2.02 0.00	62.38 2.25 0.00	50.21 2.01 0.00	52.53 2.19 0.00	46.29 1.78 0.00	43.50 1.55 0.00	40.42 1.02 0.00	36.30 0.73 0.00	36.91 1.25 0.00	33.10 0.67 0.00	27.29 0.79 0.00	22.17 0.65 0.00	19.07 0.54 0.00	34.96 0.91 0.00	51.75 1.21 0.00	69.87 1.88 0.00	64.41 1.78 0.00	58.03 1.61 0.00	47.31 1.84 0.00	42.43 1.61 0.00
MONTAUK___DIESEL 23721	45.83 0.88 0.00	39.88 0.66 0.00	49.96 1.06 0.00	51.78 1.01 0.00	61.20 1.08 0.00	49.57 1.37 0.00	51.63 1.30 0.00	45.82 1.31 0.00	43.07 1.13 0.00	40.43 1.03 0.00	36.46 0.89 0.00	36.31 0.66 0.00	32.69 0.27 0.00	26.71 0.21 0.00	21.96 0.44 0.00	19.20 0.67 0.00	35.23 1.19 0.00	52.25 1.71 0.00	68.66 0.67 0.00	63.41 0.78 0.00	58.18 1.76 0.00	46.82 1.36 0.00	42.62 1.80 0.00
MOONROAD_115KV_HARTFLD_TB1-2 355988	42.52 -2.43 0.00	37.15 -2.07 0.00	47.02 -1.88 0.00	48.83 -1.94 0.00	57.08 -3.05 0.00	44.78 -3.42 0.00	46.22 -4.12 0.00	40.74 -3.76 0.00	36.88 -3.49 1.58	32.81 -3.94 2.64	30.06 -3.06 2.45	30.60 -2.60 2.45	27.62 -2.51 2.30	22.19 -2.34 1.97	18.01 -1.74 1.77	15.28 -1.63 1.61	28.91 -3.15 2.00	42.65 -4.13 3.78	59.07 -4.31 4.61	53.94 -4.62 4.08	47.62 -5.00 3.80	38.25 -3.99 3.22	34.12 -3.80 2.90
MORRIS_RIDGE___SOLAR	41.65	36.43	45.81	47.76	56.64	44.36	45.74	40.53	5.40	-19.49	-19.21	-19.21	-19.21	-17.61	-17.82	-17.23	-11.02	-32.29	-37.35	-34.21	-34.07	-31.22	-28.28

323848	-3.31 0.00	-2.80 0.00	-3.09 0.00	-3.02 0.00	-3.48 0.00	-3.84 0.00	-4.60 0.00	-3.98 0.00	-3.80 32.74	-4.15 54.73	-3.99 50.79	-4.13 50.73	-4.00 47.63	-3.34 40.77	-2.66 36.68	-2.25 33.51	-3.71 41.37	-4.55 78.28	-5.50 99.83	-5.16 91.69	-5.04 85.45	-4.23 72.45	-3.93 65.17
MORTIMER_115KV_TB3 55949	43.25 -1.70 0.00	37.68 -1.54 0.00	47.08 -1.83 0.00	48.81 -1.96 0.00	57.72 -2.40 0.00	45.66 -2.54 0.00	47.30 -3.04 0.00	41.77 -2.73 0.00	39.55 -2.39 0.00	37.02 -2.38 0.00	33.66 -1.91 0.00	33.53 -2.13 0.00	30.32 -2.10 0.00	24.71 -1.79 0.00	20.11 -1.41 0.00	17.33 -1.20 0.00	31.98 -2.07 0.00	47.65 -2.90 0.00	64.25 -3.73 0.00	59.18 -3.45 0.00	52.96 -3.46 0.00	42.73 -2.74 0.00	38.47 -2.35 0.00
MOTTHAVN_138_KV_9M4_REV_LBMP_J 345006	46.65 1.70 0.00	40.73 1.51 0.00	50.80 1.90 0.00	52.66 1.89 0.00	62.16 2.04 0.00	50.22 2.02 0.00	52.55 2.22 0.00	46.39 1.88 0.00	43.66 1.72 0.00	41.12 1.73 0.00	36.90 1.33 0.00	37.18 1.52 0.00	33.90 1.48 0.00	27.77 1.27 0.00	22.67 1.15 0.00	19.57 1.04 0.00	35.76 1.71 0.00	52.73 2.18 0.00	70.65 2.66 0.00	65.05 2.41 0.00	58.64 2.22 0.00	47.21 1.74 0.00	42.40 1.58 0.00
MUNSVILLE_WIND_PWR 323609	45.87 0.92 0.00	40.31 1.08 0.00	50.70 1.80 0.00	54.27 3.49 0.00	64.46 4.33 0.00	51.34 3.14 0.00	53.36 3.02 0.00	47.19 2.68 0.00	44.84 2.05 -0.85	42.31 1.50 -1.41	38.46 1.58 -1.31	37.85 0.89 -1.31	34.07 0.42 -1.23	27.70 0.15 -1.05	22.16 -0.31 -0.95	19.26 -0.13 -0.87	35.95 0.83 -1.07	55.47 2.90 -2.02	75.66 5.09 -2.58	70.08 5.07 -2.37	62.78 4.15 -2.21	50.05 2.71 -1.88	44.29 1.78 -1.69
N SALMON___HYD 24042	45.60 0.65 0.00	39.81 0.59 0.00	49.65 0.74 0.00	51.63 0.85 0.00	61.47 1.35 0.00	49.12 0.93 0.00	51.35 1.02 0.00	45.64 1.13 0.00	43.10 1.15 0.00	40.57 1.18 0.00	36.67 1.10 0.00	36.82 1.17 0.00	33.49 1.07 0.00	27.34 0.84 0.00	22.09 0.58 0.00	18.79 0.26 0.00	34.61 0.56 0.00	52.12 1.58 0.00	70.48 2.49 0.00	64.99 2.36 0.00	58.47 2.05 0.00	46.88 1.41 0.00	42.29 1.48 0.00
N.AKRON___115KV_KNAPP 355671	43.06 -1.89 0.00	37.46 -1.76 0.00	46.85 -2.05 0.00	48.56 -2.21 0.00	57.38 -2.74 0.00	45.03 -3.17 0.00	46.39 -3.94 0.00	41.01 -3.50 0.00	35.41 -3.18 3.35	30.48 -3.31 5.60	27.80 -2.57 5.20	28.74 -1.73 5.19	24.68 -2.87 4.87	19.81 -2.52 4.17	15.77 -2.00 3.75	13.39 -1.72 3.43	26.94 -2.88 4.23	38.60 -3.93 8.01	52.72 -5.04 10.23	48.60 -4.63 9.41	43.05 -4.61 8.77	34.41 -3.62 7.43	31.06 -3.07 6.69
N.BELMOR_69_KV_BK1 55787	47.16 2.21 0.00	41.10 1.88 0.00	51.24 2.34 0.00	53.06 2.29 0.00	62.64 2.51 0.00	50.60 2.41 0.00	52.80 2.47 0.00	46.60 2.09 0.00	43.85 1.91 0.00	41.36 1.96 0.00	37.00 1.43 0.00	37.19 1.54 0.00	33.90 1.48 0.00	27.68 1.18 0.00	22.70 1.18 0.00	19.68 1.15 0.00	36.04 1.99 0.00	53.26 2.71 0.00	70.75 2.76 0.00	65.49 2.85 0.00	59.25 2.83 0.00	47.77 2.30 0.00	42.93 2.12 0.00
N.E_GEN_SANDY PD 24062	46.47 1.52 0.00	40.55 1.33 0.00	50.66 1.77 0.00	52.55 1.78 0.00	62.05 1.92 0.00	49.44 1.67 0.42	53.32 2.00 -0.99	48.03 1.69 -1.83	43.27 1.32 0.00	40.65 1.26 0.00	36.57 1.00 0.00	36.81 1.10 -0.06	33.56 1.14 0.00	27.55 1.05 0.00	22.46 0.94 0.00	21.57 0.86 -2.18	38.48 1.51 -2.92	51.06 1.73 1.21	70.07 2.08 0.00	64.50 1.86 0.00	56.72 1.81 1.51	46.91 1.45 0.00	40.72 1.31 1.40
N.HEMPST_138_KV_BK345_REV_LBMP_G 345014	46.23 1.28 0.00	40.35 1.13 0.00	50.37 1.46 0.00	52.22 1.45 0.00	61.64 1.52 0.00	49.65 1.46 0.00	51.94 1.61 0.00	45.88 1.38 0.00	43.17 1.22 0.00	40.60 1.21 0.00	36.44 0.87 0.00	36.66 1.00 0.00	33.41 0.99 0.00	27.37 0.87 0.00	22.35 0.83 0.00	19.31 0.78 0.00	35.32 1.27 0.00	52.22 1.68 0.00	70.01 2.02 0.00	64.51 1.88 0.00	58.08 1.66 0.00	46.80 1.34 0.00	42.04 1.22 0.00
N.QUEENS_27_KV_LOAD 356247	46.57 1.62 0.00	40.71 1.49 0.00	50.77 1.87 0.00	52.64 1.87 0.00	61.96 1.84 0.00	50.23 2.03 0.00	52.59 2.25 0.00	46.40 1.89 0.00	43.65 1.71 0.00	41.00 1.60 0.00	36.80 1.22 -0.01	37.20 1.54 -0.01	33.91 1.48 -0.01	27.77 1.27 0.00	22.67 1.15 0.00	19.55 1.02 0.00	35.71 1.66 -0.01	52.56 2.01 0.00	70.48 2.49 0.00	64.90 2.27 0.00	58.62 2.21 0.00	47.17 1.71 0.00	42.38 1.56 0.00
N.TROY___115KV_TB1 355778	46.64 1.69 0.00	40.69 1.47 0.00	50.84 1.94 0.00	52.75 1.98 0.00	62.30 2.18 0.00	50.01 1.81 0.00	52.46 2.13 0.00	46.32 1.81 0.00	43.39 1.44 0.00	40.76 1.37 0.00	36.74 1.17 0.00	36.87 1.22 0.00	33.62 1.20 0.00	27.58 1.08 0.00	22.44 0.92 0.00	19.34 0.81 0.00	35.57 1.52 0.00	52.47 1.92 0.00	70.38 2.39 0.00	64.78 2.15 0.00	58.46 2.05 0.00	47.08 1.62 0.00	42.26 1.44 0.00
NARROWS_GT1_1 24228	60.29 2.12 -13.23	60.19 1.93 -19.04	58.95 2.38 -7.67	58.94 2.41 -5.76	62.65 2.45 -0.07	59.88 2.48 -9.20	59.45 2.73 -6.40	60.36 2.32 -13.54	59.67 2.15 -15.57	60.37 2.12 -18.85	59.06 1.74 -21.75	59.08 1.98 -21.45	58.62 1.89 -24.30	58.61 1.59 -30.52	58.74 1.43 -35.79	60.10 1.27 -40.29	60.32 2.13 -24.14	60.60 2.68 -7.38	71.28 3.30 0.00	65.64 3.00 0.00	62.61 2.78 -3.41	60.30 2.19 -12.64	62.03 1.97 -19.24
NARROWS_GT1_2 24229	60.29 2.12 -13.23	60.19 1.93 -19.04	58.95 2.38 -7.67	58.94 2.41 -5.76	62.65 2.45 -0.07	59.88 2.48 -9.20	59.45 2.73 -6.40	60.36 2.32 -13.54	59.67 2.15 -15.57	60.37 2.12 -18.85	59.06 1.74 -21.75	59.08 1.98 -21.45	58.62 1.89 -24.30	58.61 1.59 -30.52	58.74 1.43 -35.79	60.10 1.27 -40.29	60.32 2.13 -24.14	60.60 2.68 -7.38	71.28 3.30 0.00	65.64 3.00 0.00	62.61 2.78 -3.41	60.30 2.19 -12.64	62.03 1.97 -19.24
NARROWS_GT1_3 24230	60.29 2.12 -13.23	60.19 1.93 -19.04	58.95 2.38 -7.67	58.94 2.41 -5.76	62.65 2.45 -0.07	59.88 2.48 -9.20	59.45 2.73 -6.40	60.36 2.32 -13.54	59.67 2.15 -15.57	60.37 2.12 -18.85	59.06 1.74 -21.75	59.08 1.98 -21.45	58.62 1.89 -24.30	58.61 1.59 -30.52	58.74 1.43 -35.79	60.10 1.27 -40.29	60.32 2.13 -24.14	60.60 2.68 -7.38	71.28 3.30 0.00	65.64 3.00 0.00	62.61 2.78 -3.41	60.30 2.19 -12.64	62.03 1.97 -19.24
NARROWS_GT1_4 24231	60.29 2.12 -13.23	60.19 1.93 -19.04	58.95 2.38 -7.67	58.94 2.41 -5.76	62.65 2.45 -0.07	59.88 2.48 -9.20	59.45 2.73 -6.40	60.36 2.32 -13.54	59.67 2.15 -15.57	60.37 2.12 -18.85	59.06 1.74 -21.75	59.08 1.98 -21.45	58.62 1.89 -24.30	58.61 1.59 -30.52	58.74 1.43 -35.79	60.10 1.27 -40.29	60.32 2.13 -24.14	60.60 2.68 -7.38	71.28 3.30 0.00	65.64 3.00 0.00	62.61 2.78 -3.41	60.30 2.19 -12.64	62.03 1.97 -19.24
NARROWS_GT1_5	60.29	60.19	58.95	58.94	62.65	59.88	59.45	60.36	59.67	60.37	59.06	59.08	58.62	58.61	58.74	60.10	60.32	60.60	71.28	65.64	62.61	60.30	62.03

24232	2.12 -13.23	1.93 -19.04	2.38 -7.67	2.41 -5.76	2.45 -0.07	2.48 -9.20	2.73 -6.40	2.32 -13.54	2.15 -15.57	2.12 -18.85	1.74 -21.75	1.98 -21.45	1.89 -24.30	1.59 -30.52	1.43 -35.79	1.27 -40.29	2.13 -24.14	2.68 -7.38	3.30 0.00	3.00 0.00	2.78 -3.41	2.19 -12.64	1.97 -19.24
NARROWS_GT1_6 24233	60.29 2.12 -13.23	60.19 1.93 -19.04	58.95 2.38 -7.67	58.94 2.41 -5.76	62.65 2.45 -0.07	59.88 2.48 -9.20	59.45 2.73 -6.40	60.36 2.32 -13.54	59.67 2.15 -15.57	60.37 2.12 -18.85	59.06 1.74 -21.75	59.08 1.98 -21.45	58.62 1.89 -24.30	58.61 1.59 -30.52	58.74 1.43 -35.79	60.10 1.27 -40.29	60.32 2.13 -24.14	60.60 2.68 -7.38	71.28 3.30 0.00	65.64 3.00 0.00	62.61 2.78 -3.41	60.30 2.19 -12.64	62.03 1.97 -19.24
NARROWS_GT1_7 24234	60.29 2.12 -13.23	60.19 1.93 -19.04	58.95 2.38 -7.67	58.94 2.41 -5.76	62.65 2.45 -0.07	59.88 2.48 -9.20	59.45 2.73 -6.40	60.36 2.32 -13.54	59.67 2.15 -15.57	60.37 2.12 -18.85	59.06 1.74 -21.75	59.08 1.98 -21.45	58.62 1.89 -24.30	58.61 1.59 -30.52	58.74 1.43 -35.79	60.10 1.27 -40.29	60.32 2.13 -24.14	60.60 2.68 -7.38	71.28 3.30 0.00	65.64 3.00 0.00	62.61 2.78 -3.41	60.30 2.19 -12.64	62.03 1.97 -19.24
NARROWS_GT1_8 24235	60.29 2.12 -13.23	60.19 1.93 -19.04	58.95 2.38 -7.67	58.94 2.41 -5.76	62.65 2.45 -0.07	59.88 2.48 -9.20	59.45 2.73 -6.40	60.36 2.32 -13.54	59.67 2.15 -15.57	60.37 2.12 -18.85	59.06 1.74 -21.75	59.08 1.98 -21.45	58.62 1.89 -24.30	58.61 1.59 -30.52	58.74 1.43 -35.79	60.10 1.27 -40.29	60.32 2.13 -24.14	60.60 2.68 -7.38	71.28 3.30 0.00	65.64 3.00 0.00	62.61 2.78 -3.41	60.30 2.19 -12.64	62.03 1.97 -19.24
NARROWS_GT2_1 24236	60.29 2.12 -13.23	60.19 1.93 -19.04	58.95 2.38 -7.67	58.94 2.41 -5.76	62.65 2.45 -0.07	59.88 2.48 -9.20	59.45 2.73 -6.40	60.36 2.32 -13.54	59.67 2.15 -15.57	60.37 2.12 -18.85	59.06 1.74 -21.75	59.08 1.98 -21.45	58.62 1.89 -24.30	58.61 1.59 -30.52	58.74 1.43 -35.79	60.10 1.27 -40.29	60.32 2.13 -24.14	60.60 2.68 -7.38	71.28 3.30 0.00	65.64 3.00 0.00	62.61 2.78 -3.41	60.30 2.19 -12.64	62.03 1.97 -19.24
NARROWS_GT2_2 24237	60.29 2.12 -13.23	60.19 1.93 -19.04	58.95 2.38 -7.67	58.94 2.41 -5.76	62.65 2.45 -0.07	59.88 2.48 -9.20	59.45 2.73 -6.40	60.36 2.32 -13.54	59.67 2.15 -15.57	60.37 2.12 -18.85	59.06 1.74 -21.75	59.08 1.98 -21.45	58.62 1.89 -24.30	58.61 1.59 -30.52	58.74 1.43 -35.79	60.10 1.27 -40.29	60.32 2.13 -24.14	60.60 2.68 -7.38	71.28 3.30 0.00	65.64 3.00 0.00	62.61 2.78 -3.41	60.30 2.19 -12.64	62.03 1.97 -19.24
NARROWS_GT2_3 24238	60.29 2.12 -13.23	60.19 1.93 -19.04	58.95 2.38 -7.67	58.94 2.41 -5.76	62.65 2.45 -0.07	59.88 2.48 -9.20	59.45 2.73 -6.40	60.36 2.32 -13.54	59.67 2.15 -15.57	60.37 2.12 -18.85	59.06 1.74 -21.75	59.08 1.98 -21.45	58.62 1.89 -24.30	58.61 1.59 -30.52	58.74 1.43 -35.79	60.10 1.27 -40.29	60.32 2.13 -24.14	60.60 2.68 -7.38	71.28 3.30 0.00	65.64 3.00 0.00	62.61 2.78 -3.41	60.30 2.19 -12.64	62.03 1.97 -19.24
NARROWS_GT2_4 24239	60.29 2.12 -13.23	60.19 1.93 -19.04	58.95 2.38 -7.67	58.94 2.41 -5.76	62.65 2.45 -0.07	59.88 2.48 -9.20	59.45 2.73 -6.40	60.36 2.32 -13.54	59.67 2.15 -15.57	60.37 2.12 -18.85	59.06 1.74 -21.75	59.08 1.98 -21.45	58.62 1.89 -24.30	58.61 1.59 -30.52	58.74 1.43 -35.79	60.10 1.27 -40.29	60.32 2.13 -24.14	60.60 2.68 -7.38	71.28 3.30 0.00	65.64 3.00 0.00	62.61 2.78 -3.41	60.30 2.19 -12.64	62.03 1.97 -19.24
NARROWS_GT2_5 24240	60.29 2.12 -13.23	60.19 1.93 -19.04	58.95 2.38 -7.67	58.94 2.41 -5.76	62.65 2.45 -0.07	59.88 2.48 -9.20	59.45 2.73 -6.40	60.36 2.32 -13.54	59.67 2.15 -15.57	60.37 2.12 -18.85	59.06 1.74 -21.75	59.08 1.98 -21.45	58.62 1.89 -24.30	58.61 1.59 -30.52	58.74 1.43 -35.79	60.10 1.27 -40.29	60.32 2.13 -24.14	60.60 2.68 -7.38	71.28 3.30 0.00	65.64 3.00 0.00	62.61 2.78 -3.41	60.30 2.19 -12.64	62.03 1.97 -19.24
NARROWS_GT2_6 24241	60.29 2.12 -13.23	60.19 1.93 -19.04	58.95 2.38 -7.67	58.94 2.41 -5.76	62.65 2.45 -0.07	59.88 2.48 -9.20	59.45 2.73 -6.40	60.36 2.32 -13.54	59.67 2.15 -15.57	60.37 2.12 -18.85	59.06 1.74 -21.75	59.08 1.98 -21.45	58.62 1.89 -24.30	58.61 1.59 -30.52	58.74 1.43 -35.79	60.10 1.27 -40.29	60.32 2.13 -24.14	60.60 2.68 -7.38	71.28 3.30 0.00	65.64 3.00 0.00	62.61 2.78 -3.41	60.30 2.19 -12.64	62.03 1.97 -19.24
NARROWS_GT2_7 24242	60.29 2.12 -13.23	60.19 1.93 -19.04	58.95 2.38 -7.67	58.94 2.41 -5.76	62.65 2.45 -0.07	59.88 2.48 -9.20	59.45 2.73 -6.40	60.36 2.32 -13.54	59.67 2.15 -15.57	60.37 2.12 -18.85	59.06 1.74 -21.75	59.08 1.98 -21.45	58.62 1.89 -24.30	58.61 1.59 -30.52	58.74 1.43 -35.79	60.10 1.27 -40.29	60.32 2.13 -24.14	60.60 2.68 -7.38	71.28 3.30 0.00	65.64 3.00 0.00	62.61 2.78 -3.41	60.30 2.19 -12.64	62.03 1.97 -19.24
NARROWS_GT2_8 24243	60.29 2.12 -13.23	60.19 1.93 -19.04	58.95 2.38 -7.67	58.94 2.41 -5.76	62.65 2.45 -0.07	59.88 2.48 -9.20	59.45 2.73 -6.40	60.36 2.32 -13.54	59.67 2.15 -15.57	60.37 2.12 -18.85	59.06 1.74 -21.75	59.08 1.98 -21.45	58.62 1.89 -24.30	58.61 1.59 -30.52	58.74 1.43 -35.79	60.10 1.27 -40.29	60.32 2.13 -24.14	60.60 2.68 -7.38	71.28 3.30 0.00	65.64 3.00 0.00	62.61 2.78 -3.41	60.30 2.19 -12.64	62.03 1.97 -19.24
NCATSKLL_69_KV_NC- LINE_REV_LBMP_G 345022	47.84 2.89 0.00	41.71 2.49 0.00	52.09 3.18 0.00	54.08 3.31 0.00	63.93 3.81 0.00	51.33 3.13 0.00	53.79 3.45 0.00	47.47 2.96 0.00	44.59 2.64 0.00	41.73 2.34 0.00	37.73 2.16 0.00	37.88 2.23 0.00	34.26 1.83 0.00	28.25 1.75 0.00	22.82 1.30 0.00	19.52 0.99 0.00	36.06 2.01 0.00	53.77 3.23 0.00	72.54 4.55 0.00	66.76 4.13 0.00	60.09 3.67 0.00	48.33 2.86 0.00	43.29 2.48 0.00
NCHELSEA_115KV_TR2 355582	46.83 1.88 0.00	40.86 1.64 0.00	50.99 2.09 0.00	52.87 2.10 0.00	62.45 2.32 0.00	50.33 2.13 0.00	52.68 2.35 0.00	46.50 1.99 0.00	43.72 1.77 0.00	41.09 1.69 0.00	36.97 1.40 0.00	37.21 1.55 0.00	33.82 1.40 0.00	27.75 1.25 0.00	22.62 1.10 0.00	19.52 0.99 0.00	35.78 1.73 0.00	52.91 2.37 0.00	70.99 3.00 0.00	65.38 2.75 0.00	58.89 2.47 0.00	47.38 1.92 0.00	42.50 1.68 0.00
NEG CAPITAL___MECHNVIL 23645	47.36 2.41 0.00	41.33 2.11 0.00	51.66 2.76 0.00	53.57 2.80 0.00	63.30 3.18 0.00	50.80 2.60 0.00	53.30 2.97 0.00	47.08 2.57 0.00	44.09 2.14 0.00	41.39 2.00 0.00	37.41 1.84 0.00	37.49 1.83 0.00	34.15 1.72 0.00	28.00 1.50 0.00	22.79 1.27 0.00	19.61 1.07 0.00	36.11 2.07 0.00	53.49 2.95 0.00	71.79 3.80 0.00	66.03 3.40 0.00	59.53 3.12 0.00	47.87 2.41 0.00	42.91 2.10 0.00

NEG CENTRAL_HIGH_ACRES 23767	42.75 -2.21 0.00	37.23 -1.99 0.00	46.52 -2.38 0.00	48.26 -2.51 0.00	57.10 -3.02 0.00	45.27 -2.93 0.00	46.96 -3.37 0.00	41.48 -3.03 0.00	39.29 -2.65 0.00	36.81 -2.59 0.00	33.36 -2.21 0.00	33.26 -2.39 0.00	30.08 -2.34 0.00	24.48 -2.02 0.00	19.89 -1.63 0.00	17.16 -1.37 0.00	31.78 -2.27 0.00	47.44 -3.11 0.00	63.89 -4.10 0.00	58.75 -3.89 0.00	52.60 -3.83 0.00	42.43 -3.04 0.00	38.16 -2.65 0.00
NEG CENTRAL___DRP 24199	44.05 -0.90 0.00	38.43 -0.79 0.00	48.00 -0.90 0.00	49.86 -0.91 0.00	59.11 -1.01 0.00	47.05 -1.15 0.00	48.91 -1.42 0.00	43.12 -1.39 0.00	42.21 -1.19 -1.46	40.47 -1.36 -2.43	36.57 -1.26 -2.26	36.58 -1.33 -2.25	33.10 -1.44 -2.12	27.00 -1.31 -1.81	22.11 -1.04 -1.63	19.14 -0.88 -1.49	34.58 -1.31 -1.84	52.62 -1.41 -3.48	70.75 -1.67 -4.43	65.05 -1.65 -4.07	58.44 -1.78 -3.79	47.22 -1.46 -3.22	42.39 -1.31 -2.89
NEG CENTRAL___INDECK 23768	43.98 -0.97 0.00	38.36 -0.86 0.00	48.08 -0.82 0.00	49.93 -0.84 0.00	59.28 -0.84 0.00	46.64 -1.56 0.00	48.21 -2.13 0.00	42.64 -1.86 0.00	55.96 -1.97 -15.98	63.65 -2.46 -26.72	57.99 -2.38 -24.79	57.75 -2.67 -24.77	52.96 -2.72 -23.25	44.09 -2.32 -19.90	37.60 -1.83 -17.90	33.37 -1.52 -16.36	51.82 -2.43 -20.19	86.09 -2.67 -38.22	114.60 -2.12 -48.73	105.53 -1.86 -44.75	95.95 -2.18 -41.71	78.90 -1.93 -35.36	70.79 -1.84 -31.81
NEG CENTRAL___SENECA 23627	44.10 -0.85 0.00	38.46 -0.76 0.00	48.10 -0.80 0.00	49.94 -0.83 0.00	59.23 -0.90 0.00	47.02 -1.17 0.00	48.85 -1.49 0.00	43.08 -1.43 0.00	43.05 -1.23 -2.34	41.81 -1.49 -3.90	37.79 -1.40 -3.62	37.77 -1.50 -3.62	34.15 -1.67 -3.40	27.91 -1.51 -2.91	22.94 -1.20 -2.62	19.92 -1.00 -2.39	35.53 -1.47 -2.95	54.61 -1.52 -5.58	73.37 -1.73 -7.12	67.41 -1.75 -6.54	60.56 -1.95 -6.09	49.03 -1.60 -5.16	44.05 -1.42 -4.64
NEG CENTRAL___STATE_STREET 24147	44.44 -0.51 0.00	38.79 -0.43 0.00	48.28 -0.62 0.00	50.25 -0.52 0.00	59.54 -0.58 0.00	47.56 -0.64 0.00	49.49 -0.84 0.00	43.51 -0.99 0.00	41.20 -0.74 0.00	38.54 -0.85 0.00	34.78 -0.79 0.00	34.84 -0.82 0.00	31.49 -0.93 0.00	25.53 -0.97 0.00	20.78 -0.74 0.00	17.89 -0.64 0.00	33.17 -0.88 0.00	49.80 -0.75 0.00	67.14 -0.85 0.00	61.69 -0.95 0.00	55.46 -0.96 0.00	44.64 -0.83 0.00	40.04 -0.77 0.00
NEG MILLWOOD___DRP 24198	46.99 2.04 0.00	41.00 1.78 0.00	51.16 2.26 0.00	53.04 2.27 0.00	62.65 2.52 0.00	50.51 2.31 0.00	52.88 2.55 0.00	46.69 2.18 0.00	43.88 1.93 0.00	41.28 1.89 0.00	37.11 1.54 0.00	37.35 1.70 0.00	34.00 1.58 0.00	27.85 1.35 0.00	22.73 1.21 0.00	19.61 1.08 0.00	35.93 1.87 0.00	53.10 2.56 0.00	71.24 3.25 0.00	65.62 2.98 0.00	59.08 2.66 0.00	47.54 2.08 0.00	42.63 1.81 0.00
NEG NORTH_FLCN_SEA 23793	44.58 -0.37 0.00	39.07 -0.16 0.00	48.96 0.06 0.00	51.06 0.29 0.00	61.09 0.97 0.00	48.82 0.62 0.00	51.08 0.75 0.00	45.32 0.82 0.00	42.59 0.65 0.00	39.89 0.49 0.00	36.19 0.62 0.00	36.55 0.90 0.00	33.52 1.10 0.00	27.49 0.99 0.00	22.07 0.55 0.00	18.68 0.15 0.00	34.30 0.25 0.00	52.24 1.69 0.00	70.88 2.90 0.00	65.14 2.51 0.00	58.72 2.30 0.00	46.75 1.28 0.00	42.48 1.66 0.00
NEG NORTH_KES_CHATEGAY 23792	44.74 -0.21 0.00	39.11 -0.11 0.00	48.81 -0.09 0.00	50.88 0.10 0.00	60.66 0.54 0.00	48.45 0.26 0.00	50.63 0.30 0.00	44.97 0.46 0.00	42.40 0.45 0.00	39.81 0.41 0.00	35.99 0.42 0.00	36.19 0.54 0.00	32.99 0.57 0.00	27.00 0.50 0.00	21.80 0.28 0.00	18.55 0.02 0.00	34.16 0.11 0.00	51.45 0.91 0.00	69.57 1.58 0.00	64.09 1.45 0.00	57.67 1.26 0.00	46.14 0.67 0.00	41.78 0.97 0.00
NEG NORTH___ALICE_FALLS 23915	44.90 -0.05 0.00	39.31 0.09 0.00	49.21 0.31 0.00	51.31 0.54 0.00	61.33 1.21 0.00	49.00 0.80 0.00	51.28 0.95 0.00	45.51 1.01 0.00	42.83 0.88 0.00	40.14 0.75 0.00	36.40 0.84 0.00	36.72 1.07 0.00	33.64 1.21 0.00	27.56 1.06 0.00	22.13 0.61 0.00	18.74 0.21 0.00	34.45 0.40 0.00	52.38 1.83 0.00	71.07 3.09 0.00	65.37 2.74 0.00	58.85 2.43 0.00	46.88 1.42 0.00	42.54 1.73 0.00
NEG NORTH___LWR_SARANAC 23913	44.90 -0.05 0.00	39.31 0.09 0.00	49.21 0.31 0.00	51.31 0.54 0.00	61.33 1.21 0.00	49.00 0.80 0.00	51.28 0.95 0.00	45.51 1.01 0.00	42.83 0.88 0.00	40.14 0.75 0.00	36.40 0.84 0.00	36.72 1.07 0.00	33.64 1.21 0.00	27.56 1.06 0.00	22.13 0.61 0.00	18.74 0.21 0.00	34.45 0.40 0.00	52.38 1.83 0.00	71.07 3.09 0.00	65.37 2.74 0.00	58.85 2.43 0.00	46.88 1.42 0.00	42.54 1.73 0.00
NEG NORTH___PLATTSBURG 23628	44.90 -0.05 0.00	39.31 0.09 0.00	49.21 0.31 0.00	51.31 0.54 0.00	61.33 1.21 0.00	49.00 0.81 0.00	51.28 0.95 0.00	45.51 1.00 0.00	42.83 0.88 0.00	40.14 0.75 0.00	36.40 0.84 0.00	36.72 1.07 0.00	33.64 1.21 0.00	27.56 1.06 0.00	22.13 0.61 0.00	18.74 0.21 0.00	34.45 0.40 0.00	52.38 1.83 0.00	71.07 3.09 0.00	65.37 2.74 0.00	58.85 2.43 0.00	46.88 1.42 0.00	42.55 1.73 0.00
NEG WEST_LEA_LOCKPORT 23791	42.04 -2.91 0.00	36.59 -2.63 0.00	45.77 -3.13 0.00	47.48 -3.29 0.00	56.04 -4.08 0.00	43.87 -4.32 0.00	45.08 -5.25 0.00	39.87 -4.64 0.00	33.21 -4.10 4.63	27.52 -4.14 7.74	24.98 -3.41 7.18	25.10 -3.37 7.17	22.22 -3.47 6.74	17.81 -2.93 5.77	14.02 -2.31 5.18	11.78 -2.01 4.74	24.55 -3.65 5.85	34.19 -5.29 11.07	46.91 -6.94 14.14	43.30 -6.34 12.99	38.18 -6.13 12.11	30.43 -4.77 10.27	27.55 -4.04 9.23
NEG WEST___LANCASTR 23811	43.84 -1.11 0.00	38.16 -1.06 0.00	47.84 -1.06 0.00	49.51 -1.26 0.00	58.56 -1.56 0.00	45.94 -2.26 0.00	47.34 -3.00 0.00	41.79 -2.72 0.00	37.45 -2.36 2.13	33.24 -2.59 3.57	30.22 -2.04 3.31	30.30 -2.05 3.31	27.19 -2.12 3.11	22.05 -1.80 2.66	17.77 -1.36 2.39	15.15 -1.19 2.19	29.23 -2.12 2.70	42.28 -3.17 5.10	57.40 -4.08 6.51	52.95 -3.71 5.98	47.09 -3.76 5.57	37.82 -2.92 4.73	34.06 -2.51 4.25
NEG_PENN_ALLEGHNY 23528	44.50 -0.45 0.00	38.84 -0.39 0.00	48.56 -0.34 0.00	50.35 -0.42 0.00	59.72 -0.41 0.00	47.60 -0.60 0.00	49.53 -0.80 0.00	43.71 -0.80 0.00	41.23 -0.71 0.00	38.60 -0.79 0.00	34.83 -0.74 0.00	34.91 -0.74 0.00	31.63 -0.79 0.00	25.79 -0.71 0.00	20.98 -0.54 0.00	18.09 -0.44 0.00	33.36 -0.68 0.00	49.78 -0.76 0.00	67.13 -0.86 0.00	61.81 -0.82 0.00	55.50 -0.91 0.00	44.67 -0.80 0.00	39.98 -0.83 0.00
NEG___GEN_MONROE 24207	43.55 -1.40 0.00	37.94 -1.28 0.00	47.39 -1.51 0.00	49.18 -1.59 0.00	58.13 -1.99 0.00	45.90 -2.30 0.00	47.51 -2.82 0.00	41.97 -2.54 0.00	38.88 -2.28 0.79	35.75 -2.34 1.31	32.55 -1.80 1.22	32.42 -2.01 1.22	29.13 -2.15 1.14	23.68 -1.84 0.98	19.18 -1.46 0.88	16.49 -1.24 0.80	31.03 -2.03 0.99	45.97 -2.70 1.88	62.20 -3.38 2.41	57.26 -3.16 2.21	51.15 -3.21 2.06	41.17 -2.55 1.75	37.04 -2.20 1.58

NEPA___ENERGY 23901	43.12 -1.83 0.00	37.61 -1.61 0.00	47.30 -1.60 0.00	48.91 -1.86 0.00	57.83 -2.29 0.00	45.43 -2.77 0.00	46.81 -3.52 0.00	41.29 -3.22 0.00	36.85 -2.85 2.25	32.65 -3.00 3.75	29.60 -2.48 3.48	29.75 -2.42 3.48	26.74 -2.41 3.26	21.65 -2.05 2.79	17.52 -1.48 2.51	14.90 -1.33 2.30	28.68 -2.54 2.84	41.70 -3.48 5.37	57.25 -4.20 6.54	52.95 -3.90 5.78	47.04 -3.99 5.39	37.70 -3.20 4.57	33.73 -2.98 4.11
NEVERSink___HYD 23608	47.12 2.17 0.00	41.11 1.89 0.00	51.30 2.40 0.00	53.19 2.42 0.00	62.89 2.77 0.00	50.61 2.42 0.00	52.94 2.61 0.00	46.73 2.23 0.00	43.98 2.03 0.00	41.25 1.85 0.00	37.13 1.56 0.00	37.37 1.72 0.00	33.72 1.29 0.00	27.78 1.28 0.00	22.58 1.06 0.00	19.45 0.92 0.00	35.69 1.64 0.00	52.95 2.40 0.00	71.29 3.31 0.00	65.71 3.08 0.00	59.12 2.70 0.00	47.55 2.09 0.00	42.64 1.82 0.00
NEWKRMKL_115KV_TB1 55635	46.63 1.67 0.00	40.67 1.45 0.00	50.76 1.86 0.00	52.72 1.95 0.00	62.28 2.15 0.00	50.01 1.81 0.00	52.36 2.03 0.00	46.25 1.74 0.00	43.43 1.48 0.00	40.80 1.40 0.00	36.81 1.24 0.00	36.96 1.31 0.00	33.67 1.25 0.00	27.62 1.12 0.00	22.43 0.91 0.00	19.33 0.80 0.00	35.53 1.48 0.00	52.47 1.93 0.00	70.42 2.43 0.00	64.82 2.19 0.00	58.44 2.03 0.00	47.08 1.61 0.00	42.26 1.44 0.00
NEWTON___FALLS_HYD 23847	44.69 -0.26 0.00	38.90 -0.32 0.00	48.41 -0.49 0.00	50.14 -0.63 0.00	59.55 -0.58 0.00	47.91 -0.29 0.00	50.10 -0.23 0.00	44.32 -0.19 0.00	41.81 -0.14 0.00	39.46 0.06 0.00	35.59 0.02 0.00	35.38 -0.27 0.00	31.97 -0.45 0.00	25.86 -0.64 0.00	20.94 -0.58 0.00	18.02 -0.51 0.00	33.24 -0.81 0.00	50.24 -0.31 0.00	67.97 -0.01 0.00	62.91 0.28 0.00	57.01 0.59 0.00	46.33 0.87 0.00	41.22 0.40 0.00
NGRID_A1_DSASP 323792	41.47 -3.48 0.00	36.09 -3.12 0.00	45.14 -3.77 0.00	46.76 -4.01 0.00	55.23 -4.90 0.00	43.19 -5.01 0.00	44.45 -5.88 0.00	39.32 -5.19 0.00	33.83 -4.49 3.63	28.99 -4.34 6.06	26.33 -3.61 5.62	26.38 -3.66 5.62	23.57 -3.58 5.28	18.99 -2.99 4.52	15.05 -2.41 4.06	12.73 -2.09 3.71	25.56 -3.91 4.58	36.05 -5.83 8.67	49.14 -7.77 11.08	45.30 -7.15 10.19	40.11 -6.81 9.49	32.19 -5.23 8.05	29.17 -4.41 7.24
NGRID_A2_DSASP 323793	41.47 -3.48 0.00	36.09 -3.12 0.00	45.14 -3.77 0.00	46.76 -4.01 0.00	55.23 -4.90 0.00	43.19 -5.01 0.00	44.45 -5.88 0.00	39.32 -5.19 0.00	33.83 -4.49 3.63	28.99 -4.34 6.06	26.33 -3.61 5.62	26.38 -3.66 5.62	23.57 -3.58 5.28	18.99 -2.99 4.52	15.05 -2.41 4.06	12.73 -2.09 3.71	25.56 -3.91 4.58	36.05 -5.83 8.67	49.14 -7.77 11.08	45.30 -7.15 10.19	40.11 -6.81 9.49	32.19 -5.23 8.05	29.17 -4.41 7.24
NGRID_A4_DSASP 323807	41.47 -3.48 0.00	36.09 -3.12 0.00	45.14 -3.77 0.00	46.76 -4.01 0.00	55.23 -4.90 0.00	43.19 -5.01 0.00	44.45 -5.88 0.00	39.32 -5.19 0.00	33.83 -4.49 3.63	28.99 -4.34 6.06	26.33 -3.61 5.62	26.38 -3.66 5.62	23.57 -3.58 5.28	18.99 -2.99 4.52	15.05 -2.41 4.06	12.73 -2.09 3.71	25.56 -3.91 4.58	36.05 -5.83 8.67	49.14 -7.77 11.08	45.30 -7.15 10.19	40.11 -6.81 9.49	32.19 -5.23 8.05	29.17 -4.41 7.24
NIAGARA_115E_LBMP 323715	41.54 -3.41 0.00	36.10 -3.12 0.00	45.15 -3.76 0.00	46.84 -3.94 0.00	55.26 -4.87 0.00	43.25 -4.95 0.00	44.39 -5.94 0.00	39.33 -5.18 0.00	33.73 -4.60 3.61	28.84 -4.52 6.04	26.19 -3.78 5.60	26.27 -3.79 5.60	23.40 -3.77 5.26	18.85 -3.15 4.50	14.94 -2.54 4.05	12.63 -2.20 3.70	25.45 -4.03 4.57	35.95 -5.95 8.64	49.06 -7.89 11.04	45.21 -7.27 10.15	40.03 -6.93 9.46	32.08 -5.37 8.02	29.06 -4.55 7.21
NIAGARA_115W_LBMP 323714	41.38 -3.57 0.00	36.03 -3.20 0.00	45.05 -3.85 0.00	46.67 -4.10 0.00	55.12 -5.01 0.00	43.10 -5.10 0.00	44.35 -5.99 0.00	39.24 -5.27 0.00	33.74 -4.56 3.64	28.89 -4.42 6.09	26.24 -3.68 5.65	26.29 -3.72 5.65	23.48 -3.65 5.30	18.92 -3.04 4.54	15.00 -2.45 4.08	12.67 -2.13 3.73	25.48 -3.97 4.60	35.91 -5.92 8.71	48.97 -7.88 11.13	45.13 -7.27 10.24	39.97 -6.91 9.54	32.06 -5.32 8.09	29.06 -4.48 7.27
NIAGARA_230_LBMP 323716	41.87 -3.08 0.00	36.45 -2.77 0.00	45.61 -3.30 0.00	47.25 -3.52 0.00	55.81 -4.32 0.00	43.67 -4.53 0.00	44.93 -5.40 0.00	39.75 -4.75 0.00	34.05 -4.11 3.79	29.05 -4.01 6.34	26.38 -3.31 5.88	26.43 -3.36 5.87	23.60 -3.31 5.52	19.01 -2.77 4.72	15.06 -2.22 4.25	12.72 -1.93 3.88	25.67 -3.59 4.79	36.14 -5.34 9.06	49.30 -7.11 11.58	45.46 -6.53 10.64	40.24 -6.26 9.92	32.24 -4.82 8.41	29.22 -4.04 7.57
NIAGARA___115KV_198_GIBSON 55903	41.37 -3.58 0.00	36.03 -3.20 0.00	45.05 -3.85 0.00	46.67 -4.10 0.00	55.12 -5.00 0.00	43.11 -5.09 0.00	44.35 -5.98 0.00	39.18 -5.32 0.00	33.70 -4.60 3.64	28.80 -4.50 6.09	26.19 -3.72 5.65	26.24 -3.77 5.65	23.44 -3.68 5.30	18.89 -3.07 4.54	15.00 -2.44 4.08	12.67 -2.13 3.73	25.44 -4.00 4.60	35.80 -6.03 8.71	48.84 -8.02 11.13	45.08 -7.32 10.24	39.90 -6.98 9.54	31.98 -5.39 8.09	29.02 -4.53 7.27
NIAGARA___ 23760	41.87 -3.08 0.00	36.45 -2.77 0.00	45.61 -3.30 0.00	47.25 -3.52 0.00	55.81 -4.32 0.00	43.67 -4.53 0.00	44.93 -5.40 0.00	39.75 -4.75 0.00	34.14 -4.11 3.70	29.20 -4.01 6.19	26.52 -3.31 5.74	26.56 -3.36 5.73	23.73 -3.31 5.38	19.13 -2.77 4.61	15.17 -2.22 4.13	12.82 -1.93 3.78	25.79 -3.59 4.67	36.34 -5.34 8.86	49.55 -7.11 11.33	45.69 -6.53 10.41	40.46 -6.26 9.70	32.47 -4.82 8.18	29.50 -4.04 7.28
NINE_MILE_1 23575	42.99 -1.96 0.00	37.50 -1.72 0.00	46.77 -2.13 0.00	48.56 -2.21 0.00	57.48 -2.65 0.00	45.99 -2.21 0.00	47.94 -2.40 0.00	42.37 -2.14 0.00	40.01 -1.93 0.00	37.57 -1.82 0.00	33.96 -1.61 0.00	33.99 -1.67 0.00	30.89 -1.53 0.00	25.21 -1.29 0.00	20.48 -1.05 0.00	17.63 -0.90 0.00	32.44 -1.61 0.00	48.23 -2.32 0.00	64.89 -3.10 0.00	59.75 -2.88 0.00	53.73 -2.68 0.00	43.31 -2.15 0.00	38.89 -1.93 0.00
NINE_MILE_2 23744	42.99 -1.96 0.00	37.50 -1.72 0.00	46.77 -2.13 0.00	48.57 -2.20 0.00	57.48 -2.64 0.00	45.99 -2.21 0.00	47.94 -2.39 0.00	42.37 -2.13 0.00	40.02 -1.92 0.00	37.57 -1.82 0.00	33.96 -1.61 0.00	33.99 -1.67 0.00	30.89 -1.53 0.00	25.22 -1.29 0.00	20.48 -1.04 0.00	17.63 -0.90 0.00	32.45 -1.60 0.00	48.23 -2.32 0.00	64.89 -3.10 0.00	59.76 -2.88 0.00	53.73 -2.68 0.00	43.32 -2.15 0.00	38.90 -1.92 0.00
NM_CAPITAL___DRP 24208	46.53 1.58 0.00	40.59 1.38 0.00	50.70 1.80 0.00	52.63 1.86 0.00	62.15 2.03 0.00	49.90 1.70 0.00	52.28 1.95 0.00	46.17 1.66 0.00	43.34 1.39 0.00	40.73 1.34 0.00	36.73 1.16 0.00	36.88 1.23 0.00	33.62 1.20 0.00	27.57 1.07 0.00	22.41 0.89 0.00	19.32 0.79 0.00	35.49 1.44 0.00	52.33 1.78 0.00	70.20 2.21 0.00	64.61 1.97 0.00	58.30 1.88 0.00	46.97 1.51 0.00	42.18 1.36 0.00

NM_CENTRAL___DRP 24181	43.74 -1.21 0.00	38.15 -1.07 0.00	47.61 -1.29 0.00	49.41 -1.36 0.00	58.50 -1.62 0.00	46.76 -1.43 0.00	48.72 -1.61 0.00	43.02 -1.49 0.00	40.62 -1.33 0.00	38.11 -1.29 0.00	34.45 -1.12 0.00	34.48 -1.18 0.00	31.30 -1.12 0.00	25.50 -1.00 0.00	20.72 -0.81 0.00	17.87 -0.66 0.00	32.94 -1.11 0.00	49.07 -1.48 0.00	66.05 -1.94 0.00	60.80 -1.83 0.00	54.61 -1.81 0.00	44.01 -1.46 0.00	39.47 -1.35 0.00
NM_FRONTIER___DRP 24179	41.37 -3.58 0.00	36.03 -3.20 0.00	45.05 -3.85 0.00	46.67 -4.10 0.00	55.12 -5.00 0.00	43.11 -5.09 0.00	44.35 -5.98 0.00	39.18 -5.32 0.00	33.70 -4.60 3.64	28.80 -4.50 6.09	26.19 -3.72 5.65	26.24 -3.77 5.65	23.44 -3.68 5.30	18.89 -3.07 4.54	15.00 -2.44 4.08	12.67 -2.13 3.73	25.44 -4.00 4.60	35.80 -6.03 8.71	48.84 -8.02 11.13	45.08 -7.32 10.24	39.90 -6.98 9.54	31.98 -5.39 8.09	29.02 -4.53 7.27
NM_ST_REGIS___HYD 24053	45.61 0.66 0.00	39.81 0.59 0.00	49.55 0.65 0.00	51.29 0.52 0.00	60.89 0.77 0.00	48.75 0.55 0.00	50.92 0.59 0.00	45.21 0.70 0.00	42.72 0.78 0.00	40.31 0.91 0.00	36.42 0.85 0.00	36.46 0.80 0.00	33.06 0.64 0.00	26.93 0.43 0.00	21.77 0.25 0.00	18.61 0.08 0.00	34.21 0.16 0.00	51.46 0.92 0.00	69.61 1.62 0.00	64.26 1.63 0.00	58.03 1.62 0.00	46.82 1.35 0.00	42.07 1.25 0.00
NORTHPORT___1 23551	47.05 2.10 0.00	40.98 1.76 0.00	51.04 2.14 0.00	52.86 2.09 0.00	62.43 2.30 0.00	50.49 2.29 0.00	52.57 2.23 0.00	46.42 1.91 0.00	43.73 1.79 0.00	41.28 1.89 0.00	36.84 1.27 0.00	37.00 1.35 0.00	33.73 1.31 0.00	27.52 1.02 0.00	22.61 1.09 0.00	19.63 1.10 0.00	35.89 1.84 0.00	52.97 2.42 0.00	70.10 2.11 0.00	64.94 2.31 0.00	58.83 2.41 0.00	47.53 2.06 0.00	42.88 2.06 0.00
NORTHPORT___2 23552	47.05 2.10 0.00	40.98 1.76 0.00	51.04 2.14 0.00	52.86 2.09 0.00	62.43 2.30 0.00	50.49 2.29 0.00	52.57 2.23 0.00	46.42 1.91 0.00	43.73 1.79 0.00	41.28 1.89 0.00	36.84 1.27 0.00	37.00 1.35 0.00	33.73 1.31 0.00	27.52 1.02 0.00	22.61 1.09 0.00	19.63 1.10 0.00	35.89 1.84 0.00	52.97 2.42 0.00	70.10 2.11 0.00	64.94 2.31 0.00	58.83 2.41 0.00	47.53 2.06 0.00	42.88 2.06 0.00
NORTHPORT___3 23553	46.95 2.00 0.00	40.91 1.69 0.00	50.99 2.09 0.00	52.81 2.04 0.00	62.34 2.21 0.00	50.34 2.14 0.00	52.50 2.17 0.00	46.34 1.83 0.00	43.65 1.70 0.00	41.20 1.81 0.00	36.81 1.24 0.00	36.99 1.34 0.00	33.71 1.29 0.00	27.52 1.02 0.00	22.59 1.07 0.00	19.58 1.05 0.00	35.78 1.73 0.00	52.73 2.19 0.00	69.99 2.00 0.00	64.74 2.10 0.00	58.71 2.29 0.00	47.48 2.01 0.00	42.78 1.96 0.00
NORTHPORT___4 23650	46.95 2.00 0.00	40.91 1.69 0.00	50.99 2.09 0.00	52.81 2.04 0.00	62.34 2.21 0.00	50.34 2.14 0.00	52.50 2.17 0.00	46.34 1.83 0.00	43.65 1.70 0.00	41.20 1.81 0.00	36.81 1.24 0.00	36.99 1.34 0.00	33.71 1.29 0.00	27.52 1.02 0.00	22.59 1.07 0.00	19.58 1.05 0.00	35.78 1.73 0.00	52.73 2.19 0.00	69.99 2.00 0.00	64.74 2.10 0.00	58.71 2.29 0.00	47.48 2.01 0.00	42.78 1.96 0.00
NORTHPORT___IC 23718	47.05 2.09 0.00	40.98 1.76 0.00	51.04 2.14 0.00	52.86 2.09 0.00	62.42 2.30 0.00	50.49 2.29 0.00	52.56 2.23 0.00	46.42 1.92 0.00	43.73 1.79 0.00	41.30 1.90 0.00	36.84 1.28 0.00	37.01 1.35 0.00	33.73 1.31 0.00	27.53 1.03 0.00	22.60 1.08 0.00	19.63 1.10 0.00	35.89 1.85 0.00	52.97 2.43 0.00	70.13 2.14 0.00	64.95 2.32 0.00	58.84 2.42 0.00	47.53 2.06 0.00	42.88 2.06 0.00
NORTH___COUNTRY_ESR 323785	44.67 -0.28 0.00	39.03 -0.19 0.00	48.71 -0.19 0.00	50.73 -0.03 0.00	60.49 0.37 0.00	48.31 0.11 0.00	50.48 0.14 0.00	44.84 0.33 0.00	42.28 0.33 0.00	39.70 0.30 0.00	35.91 0.35 0.00	36.14 0.49 0.00	32.95 0.53 0.00	26.95 0.45 0.00	21.78 0.26 0.00	18.55 0.02 0.00	34.15 0.11 0.00	51.31 0.76 0.00	69.25 1.26 0.00	63.81 1.18 0.00	57.40 0.98 0.00	45.98 0.52 0.00	41.63 0.81 0.00
NPX_GEN_1385_PROXY 323591	46.98 2.03 0.00	40.91 1.69 0.00	50.59 1.69 0.00	52.40 1.63 0.00	61.88 1.76 0.00	50.48 2.29 0.00	52.44 2.11 0.00	46.16 1.66 0.00	43.47 1.53 0.00	41.26 1.87 0.00	36.46 0.89 0.00	36.63 0.98 0.00	33.29 0.87 0.00	27.25 0.75 0.00	22.37 0.85 0.00	19.48 0.95 0.00	35.45 1.40 0.00	52.63 2.08 0.00	69.22 1.24 0.00	64.53 1.89 0.00	57.94 1.52 0.00	47.04 1.58 0.00	42.73 1.91 0.00
NPX_GEN_CSC 323557	46.88 1.93 0.00	40.82 1.60 0.00	51.13 2.23 0.00	52.93 2.16 0.00	62.57 2.44 0.00	50.50 2.30 0.00	52.11 1.78 0.00	46.26 1.75 0.00	43.71 1.76 0.00	41.36 1.96 0.00	36.94 1.37 0.00	36.93 1.28 0.00	33.61 1.19 0.00	27.38 0.88 0.00	22.51 0.99 0.00	19.71 1.18 0.00	36.18 2.13 0.00	53.48 2.93 0.00	69.83 1.84 0.00	64.64 2.00 0.00	59.22 2.81 0.00	47.59 2.13 0.00	43.06 2.24 0.00
NSINS_S___GLNS_FALLS 23858	48.38 3.44 0.00	42.27 3.05 0.00	52.95 4.05 0.00	54.82 4.05 0.00	64.80 4.68 0.00	52.01 3.81 0.00	54.66 4.33 0.00	48.23 3.72 0.00	45.10 3.16 0.00	42.14 2.74 0.00	38.15 2.58 0.00	38.15 2.50 0.00	34.76 2.34 0.00	28.53 2.03 0.00	23.31 1.79 0.00	19.88 1.35 0.00	36.66 2.61 0.00	54.36 3.82 0.00	72.88 4.89 0.00	67.01 4.38 0.00	60.49 4.07 0.00	48.58 3.12 0.00	43.53 2.72 0.00
NUCOR_STEEL___DRP 24197	44.42 -0.53 0.00	38.77 -0.45 0.00	48.22 -0.68 0.00	50.21 -0.56 0.00	59.48 -0.64 0.00	47.54 -0.66 0.00	49.46 -0.87 0.00	43.48 -1.03 0.00	41.19 -0.75 0.00	38.54 -0.85 0.00	34.79 -0.78 0.00	34.84 -0.81 0.00	31.51 -0.91 0.00	25.55 -0.95 0.00	20.80 -0.72 0.00	17.89 -0.64 0.00	33.17 -0.88 0.00	49.79 -0.75 0.00	67.08 -0.90 0.00	61.59 -1.05 0.00	55.44 -0.98 0.00	44.62 -0.84 0.00	40.04 -0.77 0.00
NUMBER_THREE_WT_PWR 323818	44.20 -0.75 0.00	38.38 -0.84 0.00	47.77 -1.13 0.00	49.62 -1.16 0.00	59.03 -1.10 0.00	47.68 -0.52 0.00	49.95 -0.38 0.00	44.05 -0.45 0.00	41.48 -0.46 0.00	39.12 -0.28 0.00	35.20 -0.37 0.00	34.83 -0.83 0.00	31.46 -0.96 0.00	25.31 -1.19 0.00	20.52 -1.00 0.00	17.72 -0.81 0.00	32.84 -1.21 0.00	49.70 -0.85 0.00	67.21 -0.78 0.00	62.43 -0.20 0.00	56.77 0.35 0.00	46.40 0.94 0.00	40.93 0.11 0.00
NYISO_LBMP_REFERENCE 24008	44.95 0.00 0.00	39.22 0.00 0.00	48.90 0.00 0.00	50.77 0.00 0.00	60.12 0.00 0.00	48.20 0.00 0.00	50.33 0.00 0.00	44.51 0.00 0.00	41.94 0.00 0.00	39.40 0.00 0.00	35.57 0.00 0.00	35.65 0.00 0.00	32.42 0.00 0.00	26.50 0.00 0.00	21.52 0.00 0.00	18.53 0.00 0.00	34.05 0.00 0.00	50.54 0.00 0.00	67.98 0.00 0.00	62.63 0.00 0.00	56.42 0.00 0.00	45.46 0.00 0.00	40.82 0.00 0.00

NYPA_BRENTWD____GT 24164	47.50 2.56 0.00	41.36 2.14 0.00	51.55 2.65 0.00	53.39 2.62 0.00	63.06 2.93 0.00	50.96 2.76 0.00	53.05 2.72 0.00	46.85 2.34 0.00	44.10 2.15 0.00	41.59 2.19 0.00	37.11 1.54 0.00	37.27 1.62 0.00	33.99 1.57 0.00	27.70 1.20 0.00	22.78 1.25 0.00	19.81 1.27 0.00	36.30 2.25 0.00	53.64 3.10 0.00	70.67 2.69 0.00	65.54 2.90 0.00	59.60 3.19 0.00	48.06 2.59 0.00	43.30 2.48 0.00
NYPA_GOWANUS____GT5 24156	60.29 2.12 -13.23	60.19 1.93 -19.04	58.95 2.38 -7.67	58.94 2.41 -5.76	62.65 2.45 -0.07	59.88 2.48 -9.20	59.45 2.73 -6.40	60.36 2.32 -13.54	59.67 2.15 -15.57	60.37 2.12 -18.85	59.06 1.74 -21.75	59.08 1.98 -21.45	58.62 1.89 -24.30	58.61 1.59 -30.52	58.74 1.43 -35.79	60.10 1.27 -40.29	60.32 2.13 -24.14	60.60 2.68 -7.38	71.28 3.30 0.00	65.64 3.00 0.00	62.61 2.78 -3.41	60.30 2.19 -12.64	62.03 1.97 -19.24
NYPA_GOWANUS____GT6 24157	60.29 2.12 -13.23	60.19 1.93 -19.04	58.95 2.38 -7.67	58.94 2.41 -5.76	62.65 2.45 -0.07	59.88 2.48 -9.20	59.45 2.73 -6.40	60.36 2.32 -13.54	59.67 2.15 -15.57	60.37 2.12 -18.85	59.06 1.74 -21.75	59.08 1.98 -21.45	58.62 1.89 -24.30	58.61 1.59 -30.52	58.74 1.43 -35.79	60.10 1.27 -40.29	60.32 2.13 -24.14	60.60 2.68 -7.38	71.28 3.30 0.00	65.64 3.00 0.00	62.61 2.78 -3.41	60.30 2.19 -12.64	62.03 1.97 -19.24
NYPA_HARLEM__RVR__GT1 24160	46.51 1.56 0.00	40.67 1.45 0.00	50.74 1.84 0.00	52.62 1.85 0.00	61.94 1.82 0.00	50.20 2.00 0.00	52.54 2.21 0.00	46.36 1.85 0.00	43.62 1.67 0.00	40.94 1.54 0.00	36.78 1.21 -0.01	37.16 1.49 -0.01	33.86 1.43 -0.01	27.73 1.23 0.00	22.64 1.12 0.00	19.53 1.00 0.00	35.67 1.62 0.00	52.50 1.95 0.00	70.38 2.39 0.00	64.81 2.18 0.00	58.53 2.12 0.00	47.11 1.64 0.00	42.32 1.50 0.00
NYPA_HARLEM__RVR__GT2 24161	46.51 1.56 0.00	40.67 1.45 0.00	50.74 1.84 0.00	52.62 1.85 0.00	61.94 1.82 0.00	50.20 2.00 0.00	52.54 2.21 0.00	46.36 1.85 0.00	43.62 1.67 0.00	40.94 1.54 0.00	36.78 1.21 -0.01	37.16 1.49 -0.01	33.86 1.43 -0.01	27.73 1.23 0.00	22.64 1.12 0.00	19.53 1.00 0.00	35.67 1.62 0.00	52.50 1.95 0.00	70.38 2.39 0.00	64.81 2.18 0.00	58.53 2.12 0.00	47.11 1.64 0.00	42.32 1.50 0.00
NYPA_KENT____GT 24152	54.88 1.97 -7.96	52.48 1.80 -11.46	55.73 2.21 -4.62	56.47 2.23 -3.47	62.47 2.30 -0.04	56.07 2.34 -5.54	56.74 2.56 -3.85	54.83 2.17 -8.15	53.34 2.02 -9.37	52.73 1.99 -11.35	50.33 1.62 -13.14	50.41 1.85 -12.91	48.83 1.78 -14.63	46.37 1.51 -18.36	44.41 1.35 -21.54	43.99 1.21 -24.25	50.59 2.02 -14.53	57.50 2.51 -4.44	71.07 3.08 0.00	65.44 2.80 0.00	61.05 2.58 -2.05	55.10 2.02 -7.61	54.23 1.83 -11.58
NYPA_POUCH1____GT 24155	60.23 2.06 -13.23	60.12 1.86 -19.04	58.88 2.31 -7.67	58.88 2.34 -5.76	62.47 2.28 -0.07	59.80 2.40 -9.20	59.36 2.63 -6.40	60.27 2.23 -13.54	59.58 2.06 -15.57	60.27 2.03 -18.85	58.98 1.66 -21.75	59.00 1.89 -21.45	58.53 1.81 -24.30	58.56 1.54 -30.52	58.69 1.38 -35.79	60.06 1.23 -40.29	60.23 2.04 -24.14	60.46 2.54 -7.38	71.08 3.09 0.00	65.47 2.83 0.00	62.47 2.64 -3.41	60.22 2.11 -12.64	61.98 1.92 -19.24
NYPA_VERNON____GT2 24162	49.45 1.81 -2.69	44.77 1.67 -3.88	52.51 2.04 -1.56	54.00 2.06 -1.17	62.29 2.15 -0.01	52.26 2.18 -1.87	54.03 2.40 -1.30	49.30 2.04 -2.76	46.98 1.87 -3.17	45.10 1.87 -3.84	41.59 1.50 -4.52	41.75 1.72 -4.37	39.03 1.66 -4.95	34.12 1.40 -6.21	30.07 1.27 -7.29	27.88 1.14 -8.21	40.86 1.89 -4.92	54.38 2.33 -1.50	70.85 2.87 0.00	65.23 2.60 0.00	59.52 2.41 -0.69	49.92 1.88 -2.57	46.43 1.70 -3.92
NYPA_VERNON____GT3 24163	49.45 1.81 -2.69	44.77 1.67 -3.88	52.51 2.04 -1.56	54.00 2.06 -1.17	62.29 2.15 -0.01	52.26 2.18 -1.87	54.03 2.40 -1.30	49.30 2.04 -2.76	46.98 1.87 -3.17	45.10 1.87 -3.84	41.59 1.50 -4.52	41.75 1.72 -4.37	39.03 1.66 -4.95	34.12 1.40 -6.21	30.07 1.27 -7.29	27.88 1.14 -8.21	40.86 1.89 -4.92	54.38 2.33 -1.50	70.85 2.87 0.00	65.23 2.60 0.00	59.52 2.41 -0.69	49.92 1.88 -2.57	46.43 1.70 -3.92
NYPA__ASTORIA_CC1 323568	46.68 1.73 0.00	40.85 1.63 0.00	50.86 1.96 0.00	52.75 1.98 0.00	62.18 2.05 0.00	50.31 2.11 0.00	52.65 2.32 0.00	46.47 1.96 0.00	43.75 1.81 0.00	41.19 1.80 0.00	37.12 1.45 -0.10	37.35 1.69 -0.01	34.05 1.62 -0.01	27.88 1.37 0.00	22.77 1.25 0.00	19.66 1.12 0.00	35.90 1.85 -0.01	52.79 2.24 0.00	70.74 2.75 0.00	65.13 2.50 0.00	58.73 2.31 0.00	47.26 1.80 0.00	42.45 1.63 0.00
NYPA__ASTORIA_CC2 323569	46.68 1.73 0.00	40.85 1.63 0.00	50.86 1.96 0.00	52.75 1.98 0.00	62.18 2.05 0.00	50.31 2.11 0.00	52.65 2.32 0.00	46.47 1.96 0.00	43.75 1.81 0.00	41.19 1.80 0.00	37.12 1.45 -0.10	37.35 1.69 -0.01	34.05 1.62 -0.01	27.88 1.37 0.00	22.77 1.25 0.00	19.66 1.12 0.00	35.90 1.85 -0.01	52.79 2.24 0.00	70.74 2.75 0.00	65.13 2.50 0.00	58.73 2.31 0.00	47.26 1.80 0.00	42.45 1.63 0.00
NYPA__HOLTSVILL 23794	47.11 2.16 0.00	41.02 1.81 0.00	51.19 2.29 0.00	53.02 2.25 0.00	62.63 2.51 0.00	50.59 2.39 0.00	52.56 2.23 0.00	46.48 1.97 0.00	43.80 1.86 0.00	41.35 1.95 0.00	36.91 1.34 0.00	37.03 1.38 0.00	33.76 1.34 0.00	27.52 1.01 0.00	22.61 1.09 0.00	19.69 1.16 0.00	36.10 2.05 0.00	53.33 2.78 0.00	70.39 2.40 0.00	65.13 2.49 0.00	59.22 2.80 0.00	47.72 2.26 0.00	43.04 2.22 0.00
NYPA__HELLGATE_GT1 24158	46.51 1.56 0.00	40.67 1.45 0.00	50.74 1.84 0.00	52.62 1.85 0.00	61.94 1.82 0.00	50.20 2.00 0.00	52.54 2.21 0.00	46.36 1.85 0.00	43.62 1.67 0.00	40.94 1.54 0.00	36.78 1.21 -0.01	37.16 1.49 -0.01	33.86 1.43 -0.01	27.73 1.23 0.00	22.64 1.12 0.00	19.53 1.00 0.00	35.67 1.62 0.00	52.50 1.95 0.00	70.38 2.39 0.00	64.81 2.18 0.00	58.53 2.12 0.00	47.11 1.64 0.00	42.32 1.50 0.00
NYPA__HELLGATE_GT2 24159	46.51 1.56 0.00	40.67 1.45 0.00	50.74 1.84 0.00	52.62 1.85 0.00	61.94 1.82 0.00	50.20 2.00 0.00	52.54 2.21 0.00	46.36 1.85 0.00	43.62 1.67 0.00	40.94 1.54 0.00	36.78 1.21 -0.01	37.16 1.49 -0.01	33.86 1.43 -0.01	27.73 1.23 0.00	22.64 1.12 0.00	19.53 1.00 0.00	35.67 1.62 0.00	52.50 1.95 0.00	70.38 2.39 0.00	64.81 2.18 0.00	58.53 2.12 0.00	47.11 1.64 0.00	42.32 1.50 0.00
NYS_BARGE__HYD 23848	42.12 -2.83 0.00	36.63 -2.59 0.00	45.82 -3.08 0.00	47.53 -3.24 0.00	56.10 -4.02 0.00	43.92 -4.28 0.00	45.14 -5.19 0.00	39.97 -4.54 0.00	34.05 -4.03 3.86	28.91 -4.03 6.46	26.26 -3.31 5.99	26.39 -3.28 5.99	23.38 -3.42 5.62	18.81 -2.88 4.81	14.88 -2.31 4.33	12.58 -2.00 3.95	25.58 -3.59 4.88	36.16 -5.15 9.24	49.41 -6.77 11.80	45.56 -6.23 10.85	40.29 -6.02 10.11	32.22 -4.67 8.57	29.15 -3.96 7.71

OAK ORCHARD___HYD 24046	43.25 -1.70 0.00	37.68 -1.54 0.00	47.07 -1.83 0.00	48.81 -1.96 0.00	57.72 -2.40 0.00	45.65 -2.54 0.00	47.30 -3.03 0.00	41.81 -2.70 0.00	39.57 -2.38 0.00	37.08 -2.32 0.00	33.68 -1.88 0.00	33.55 -2.10 0.00	30.35 -2.08 0.00	24.73 -1.77 0.00	20.10 -1.42 0.00	17.33 -1.20 0.00	32.01 -2.04 0.00	47.70 -2.84 0.00	64.32 -3.66 0.00	59.21 -3.42 0.00	53.00 -3.42 0.00	42.77 -2.69 0.00	38.50 -2.32 0.00
OAKDALE___35_KV_LOAD 356122	44.42 -0.53 0.00	38.76 -0.46 0.00	48.46 -0.44 0.00	50.27 -0.50 0.00	59.59 -0.53 0.00	47.51 -0.69 0.00	49.43 -0.90 0.00	43.63 -0.87 0.00	41.17 -0.78 0.00	38.54 -0.85 0.00	34.80 -0.78 0.00	34.88 -0.78 0.00	31.60 -0.82 0.00	25.79 -0.72 0.00	20.98 -0.54 0.00	18.09 -0.45 0.00	33.33 -0.72 0.00	49.67 -0.88 0.00	66.96 -1.03 0.00	61.65 -0.98 0.00	55.38 -1.03 0.00	44.59 -0.87 0.00	39.92 -0.90 0.00
OCC_CHEM___DRP 24175	41.46 -3.49 0.00	36.10 -3.12 0.00	45.14 -3.76 0.00	46.76 -4.01 0.00	55.23 -4.90 0.00	43.19 -5.01 0.00	44.45 -5.89 0.00	39.27 -5.24 0.00	33.79 -4.52 3.63	28.90 -4.43 6.06	26.29 -3.65 5.62	26.34 -3.70 5.62	23.53 -3.62 5.28	18.96 -3.03 4.52	15.06 -2.40 4.06	12.72 -2.10 3.71	25.53 -3.94 4.58	35.95 -5.93 8.67	49.03 -7.88 11.08	45.24 -7.21 10.19	40.05 -6.88 9.49	32.11 -5.31 8.05	29.12 -4.46 7.24
OH_GEN_PROXY 24063	41.95 -3.00 0.00	36.53 -2.69 0.00	45.69 -3.21 0.00	47.34 -3.43 0.00	55.93 -4.20 0.00	43.81 -4.39 0.00	45.11 -5.22 0.00	39.90 -4.61 0.00	34.60 -3.98 3.36	29.89 -3.89 5.61	27.15 -3.21 5.21	27.20 -3.25 5.21	24.33 -3.20 4.89	19.63 -2.69 4.18	15.61 -2.15 3.76	13.22 -1.87 3.44	26.32 -3.48 4.24	37.33 -5.18 8.03	50.85 -6.88 10.25	46.88 -6.33 9.43	41.56 -6.08 8.79	33.32 -4.69 7.45	30.16 -3.95 6.70
OLIN_CORP_DRP 24177	41.61 -3.34 0.00	36.19 -3.03 0.00	45.25 -3.65 0.00	46.94 -3.83 0.00	55.39 -4.73 0.00	43.35 -4.84 0.00	44.52 -5.82 0.00	39.37 -5.13 0.00	33.87 -4.53 3.54	28.98 -4.50 5.91	26.36 -3.72 5.49	26.44 -3.73 5.48	23.57 -3.71 5.15	18.99 -3.11 4.41	15.10 -2.46 3.96	12.77 -2.14 3.62	25.60 -3.98 4.47	36.16 -5.93 8.46	49.35 -7.83 10.80	45.54 -7.16 9.94	40.31 -6.85 9.26	32.29 -5.32 7.85	29.27 -4.49 7.06
OLIN_CORP_DSASP 323712	41.47 -3.48 0.00	36.09 -3.12 0.00	45.14 -3.77 0.00	46.76 -4.01 0.00	55.23 -4.90 0.00	43.19 -5.01 0.00	44.45 -5.88 0.00	39.32 -5.19 0.00	33.83 -4.49 3.63	28.99 -4.34 6.06	26.33 -3.61 5.62	26.38 -3.66 5.62	23.57 -3.58 5.28	18.99 -2.99 4.52	15.05 -2.41 4.06	12.73 -2.09 3.71	25.56 -3.91 4.58	36.05 -5.83 8.67	49.14 -7.77 11.08	45.30 -7.15 10.19	40.11 -6.81 9.49	32.19 -5.23 8.05	29.17 -4.41 7.24
ONEIDA_HERK_LFGE 323681	45.32 0.37 0.00	39.44 0.23 0.00	49.14 0.24 0.00	51.03 0.26 0.00	60.52 0.40 0.00	48.73 0.54 0.00	51.00 0.67 0.00	45.04 0.53 0.00	42.39 0.45 0.00	39.87 0.48 0.00	35.95 0.38 0.00	35.75 0.09 0.00	32.49 0.06 0.00	26.33 -0.17 0.00	21.34 -0.18 0.00	18.41 -0.12 0.00	34.05 0.01 0.00	51.04 0.50 0.00	68.86 0.87 0.00	63.59 0.96 0.00	57.47 1.05 0.00	46.56 1.09 0.00	41.41 0.60 0.00
ONEIDA___115KV_TB4 55905	45.63 0.68 0.00	39.76 0.54 0.00	49.58 0.69 0.00	51.51 0.75 0.00	61.06 0.94 0.00	49.01 0.82 0.00	51.25 0.92 0.00	45.29 0.78 0.00	42.63 0.68 0.00	39.99 0.60 0.00	36.09 0.52 0.00	35.90 0.25 0.00	32.76 0.34 0.00	26.56 0.06 0.00	21.51 -0.01 0.00	18.54 0.01 0.00	34.35 0.30 0.00	51.43 0.89 0.00	69.41 1.42 0.00	63.86 1.23 0.00	57.50 1.08 0.00	46.34 0.87 0.00	41.39 0.57 0.00
ONONDAGA_REF_OCCRA 23987	44.10 -0.85 0.00	38.46 -0.76 0.00	47.99 -0.91 0.00	49.82 -0.95 0.00	59.00 -1.13 0.00	47.16 -1.04 0.00	49.13 -1.20 0.00	43.37 -1.13 0.00	40.94 -1.00 0.00	38.38 -1.01 0.00	34.70 -0.87 0.00	34.74 -0.91 0.00	31.53 -0.89 0.00	25.66 -0.84 0.00	20.84 -0.68 0.00	17.97 -0.56 0.00	33.18 -0.87 0.00	49.51 -1.03 0.00	66.67 -1.32 0.00	61.35 -1.28 0.00	55.12 -1.30 0.00	44.39 -1.08 0.00	39.79 -1.02 0.00
ONONDAGA___COGEN 23986	44.05 -0.90 0.00	38.42 -0.80 0.00	47.92 -0.98 0.00	49.75 -1.02 0.00	58.92 -1.21 0.00	47.11 -1.09 0.00	49.07 -1.26 0.00	43.30 -1.21 0.00	40.91 -1.03 0.00	38.36 -1.04 0.00	34.65 -0.91 0.00	34.71 -0.94 0.00	31.48 -0.94 0.00	25.61 -0.89 0.00	20.82 -0.70 0.00	17.95 -0.58 0.00	33.15 -0.89 0.00	49.46 -1.09 0.00	66.58 -1.40 0.00	61.24 -1.39 0.00	55.04 -1.38 0.00	44.34 -1.13 0.00	39.76 -1.06 0.00
ONTARIO___LFGE 23819	44.10 -0.85 0.00	38.46 -0.76 0.00	48.10 -0.80 0.00	49.93 -0.84 0.00	59.23 -0.90 0.00	47.02 -1.18 0.00	48.85 -1.49 0.00	43.09 -1.42 0.00	43.05 -1.23 -2.34	41.82 -1.48 -3.90	37.80 -1.39 -3.62	37.79 -1.48 -3.62	34.16 -1.66 -3.40	27.91 -1.50 -2.91	22.93 -1.20 -2.62	19.92 -1.00 -2.39	35.53 -1.46 -2.95	54.63 -1.50 -5.58	73.40 -1.70 -7.12	67.42 -1.75 -6.54	60.56 -1.95 -6.09	49.04 -1.59 -5.16	44.05 -1.41 -4.64
ORANGEVILLE_WT_PWR 323706	41.26 -3.69 0.00	36.06 -3.16 0.00	45.39 -3.52 0.00	47.30 -3.47 0.00	55.97 -4.15 0.00	43.78 -4.42 0.00	45.06 -5.27 0.00	39.99 -4.52 0.00	11.85 -4.31 25.79	-8.33 -4.62 43.11	-8.74 -4.31 40.00	-8.69 -4.38 39.96	-9.35 -4.25 37.52	-9.16 -3.55 32.11	-10.21 -2.84 28.89	-10.27 -2.41 26.40	-2.56 -4.02 32.58	-16.25 -5.14 61.67	-17.15 -6.50 78.64	-15.61 -6.01 72.23	-16.68 -5.78 67.31	-16.40 -4.79 57.07	-14.88 -4.37 51.33
ORANGEVILLE___ESR 323794	41.26 -3.69 0.00	36.06 -3.16 0.00	45.39 -3.52 0.00	47.30 -3.47 0.00	55.97 -4.15 0.00	43.78 -4.42 0.00	45.06 -5.27 0.00	39.99 -4.52 0.00	11.85 -4.31 25.79	-8.33 -4.62 43.11	-8.74 -4.31 40.00	-8.69 -4.38 39.96	-9.35 -4.25 37.52	-9.16 -3.55 32.11	-10.21 -2.84 28.89	-10.27 -2.41 26.40	-2.56 -4.02 32.58	-16.25 -5.14 61.67	-17.15 -6.50 78.64	-15.61 -6.01 72.23	-16.68 -5.78 67.31	-16.40 -4.79 57.07	-14.88 -4.37 51.33
OSWEGATCHIE___HYD 24044	44.69 -0.26 0.00	38.90 -0.32 0.00	48.41 -0.49 0.00	50.14 -0.63 0.00	59.55 -0.58 0.00	47.91 -0.29 0.00	50.10 -0.23 0.00	44.32 -0.19 0.00	41.81 -0.14 0.00	39.46 0.06 0.00	35.59 0.02 0.00	35.38 -0.27 0.00	31.97 -0.45 0.00	25.86 -0.64 0.00	20.94 -0.58 0.00	18.02 -0.51 0.00	33.24 -0.81 0.00	50.23 -0.31 0.00	67.97 -0.01 0.00	62.91 0.28 0.00	57.01 0.59 0.00	46.33 0.87 0.00	41.22 0.40 0.00
OSWEGO___5 23606	43.33 -1.62 0.00	37.80 -1.42 0.00	47.15 -1.75 0.00	48.95 -1.82 0.00	57.94 -2.19 0.00	46.35 -1.85 0.00	48.31 -2.03 0.00	42.69 -1.82 0.00	40.31 -1.64 0.00	37.83 -1.57 0.00	34.19 -1.38 0.00	34.22 -1.43 0.00	31.08 -1.34 0.00	25.36 -1.14 0.00	20.60 -0.92 0.00	17.74 -0.79 0.00	32.67 -1.38 0.00	48.60 -1.95 0.00	65.41 -2.58 0.00	60.22 -2.42 0.00	54.14 -2.27 0.00	43.66 -1.81 0.00	39.17 -1.65 0.00

OSWEGO___6 23613	43.33 -1.62 0.00	37.80 -1.42 0.00	47.15 -1.75 0.00	48.95 -1.82 0.00	57.94 -2.19 0.00	46.35 -1.85 0.00	48.31 -2.03 0.00	42.69 -1.82 0.00	40.31 -1.64 0.00	37.83 -1.57 0.00	34.19 -1.38 0.00	34.22 -1.43 0.00	31.08 -1.34 0.00	25.36 -1.14 0.00	20.60 -0.92 0.00	17.74 -0.79 0.00	32.67 -1.38 0.00	48.60 -1.95 0.00	65.41 -2.58 0.00	60.22 -2.42 0.00	54.14 -2.27 0.00	43.66 -1.81 0.00	39.17 -1.65 0.00
OUTOKUMPU-AB___DRP 24206	42.49 -2.46 0.00	36.97 -2.25 0.00	46.26 -2.64 0.00	47.94 -2.83 0.00	56.62 -3.50 0.00	44.32 -3.87 0.00	45.61 -4.72 0.00	40.29 -4.22 0.00	34.86 -3.65 3.43	29.99 -3.67 5.74	27.26 -2.98 5.33	27.33 -3.01 5.32	24.38 -3.05 5.00	19.64 -2.58 4.27	15.66 -2.02 3.85	13.25 -1.76 3.51	26.48 -3.23 4.34	37.59 -4.74 8.21	51.28 -6.22 10.48	47.35 -5.64 9.64	41.93 -5.50 8.99	33.57 -4.28 7.62	30.37 -3.59 6.86
OXBOW___BTM 323836	41.90 -3.05 0.00	36.46 -2.76 0.00	45.61 -3.29 0.00	47.26 -3.51 0.00	55.83 -4.30 0.00	43.67 -4.52 0.00	44.95 -5.38 0.00	39.76 -4.75 0.00	34.30 -4.11 3.53	29.47 -4.03 5.90	26.77 -3.33 5.47	26.82 -3.37 5.47	23.94 -3.35 5.13	19.29 -2.82 4.40	15.32 -2.25 3.95	12.96 -1.96 3.61	26.00 -3.59 4.46	36.81 -5.30 8.44	50.20 -7.01 10.78	46.27 -6.45 9.91	40.98 -6.19 9.24	32.85 -4.78 7.83	29.74 -4.04 7.04
OXBOW____ 24026	41.90 -3.05 0.00	36.47 -2.76 0.00	45.62 -3.29 0.00	47.26 -3.51 0.00	55.83 -4.30 0.00	43.69 -4.51 0.00	44.94 -5.39 0.00	39.71 -4.80 0.00	34.27 -4.15 3.53	29.39 -4.11 5.90	26.72 -3.38 5.47	26.78 -3.41 5.47	23.91 -3.38 5.13	19.26 -2.84 4.40	15.33 -2.24 3.95	12.96 -1.96 3.61	25.96 -3.63 4.46	36.71 -5.40 8.44	50.08 -7.13 10.78	46.22 -6.50 9.91	40.92 -6.26 9.24	32.78 -4.86 7.83	29.69 -4.08 7.04
OXY_CHEM_DSASP 323612	41.46 -3.49 0.00	36.10 -3.12 0.00	45.14 -3.76 0.00	46.76 -4.01 0.00	55.23 -4.90 0.00	43.19 -5.01 0.00	44.45 -5.89 0.00	39.27 -5.24 0.00	33.79 -4.52 3.63	28.90 -4.43 6.06	26.29 -3.65 5.62	26.34 -3.70 5.62	23.53 -3.62 5.28	18.96 -3.03 4.52	15.06 -2.40 4.06	12.72 -2.10 3.71	25.53 -3.94 4.58	35.95 -5.93 8.67	49.03 -7.88 11.08	45.24 -7.21 10.19	40.05 -6.88 9.49	32.11 -5.31 8.05	29.12 -4.46 7.24
OZONE_PARK_ESR 323760	47.01 2.06 0.00	41.05 1.83 0.00	51.19 2.29 0.00	53.08 2.31 0.00	62.64 2.52 0.00	50.61 2.41 0.00	52.97 2.64 0.00	46.74 2.23 0.00	44.02 2.07 0.00	41.46 2.06 0.00	37.19 1.62 0.00	37.47 1.82 0.00	34.16 1.74 0.00	27.98 1.48 0.00	22.84 1.32 0.00	19.71 1.18 0.00	36.03 1.98 0.00	53.17 2.62 0.00	71.27 3.28 0.00	65.62 2.99 0.00	59.13 2.72 0.00	47.61 2.14 0.00	42.71 1.89 0.00
PACKARD_I15_KV_ADAMS_187_REV_LBMP_A 345013	41.46 -3.49 0.00	36.10 -3.12 0.00	45.14 -3.76 0.00	46.76 -4.01 0.00	55.23 -4.90 0.00	43.19 -5.01 0.00	44.45 -5.89 0.00	39.27 -5.24 0.00	33.79 -4.52 3.63	28.90 -4.43 6.06	26.29 -3.65 5.62	26.34 -3.70 5.62	23.53 -3.62 5.28	18.96 -3.03 4.52	15.06 -2.40 4.06	12.72 -2.10 3.71	25.53 -3.94 4.58	35.95 -5.93 8.67	49.03 -7.88 11.08	45.24 -7.21 10.19	40.05 -6.88 9.49	32.11 -5.31 8.05	29.12 -4.46 7.24
PACKARD__115KV_DUPONT_184 80571	41.46 -3.49 0.00	36.10 -3.12 0.00	45.14 -3.76 0.00	46.76 -4.01 0.00	55.23 -4.90 0.00	43.19 -5.01 0.00	44.45 -5.89 0.00	39.27 -5.24 0.00	33.79 -4.52 3.63	28.90 -4.43 6.06	26.29 -3.65 5.62	26.34 -3.70 5.62	23.53 -3.62 5.28	18.96 -3.03 4.52	15.06 -2.40 4.06	12.72 -2.10 3.71	25.53 -3.94 4.58	35.95 -5.93 8.67	49.03 -7.88 11.08	45.24 -7.21 10.19	40.05 -6.88 9.49	32.11 -5.31 8.05	29.12 -4.46 7.24
PARKCHTR_138_KV_TB2S_REV_LBMP_J 345007	46.58 1.63 0.00	40.72 1.50 0.00	50.82 1.92 0.00	52.72 1.95 0.00	62.09 1.97 0.00	50.28 2.09 0.00	52.62 2.29 0.00	46.43 1.93 0.00	43.68 1.73 0.00	41.03 1.63 0.00	36.85 1.27 -0.01	37.19 1.53 -0.01	33.88 1.46 -0.01	27.75 1.25 0.00	22.65 1.13 0.00	19.55 1.02 0.00	35.73 1.67 -0.01	52.59 2.05 0.00	70.54 2.55 0.00	64.95 2.32 0.00	58.61 2.20 0.00	47.17 1.70 0.00	42.36 1.54 0.00
PARKCHTR_13_KV_CPCTY_REV_LBMP_J 345019	46.74 1.79 0.00	40.90 1.67 0.00	51.12 2.22 0.00	53.11 2.35 0.00	62.63 2.51 0.00	50.73 2.53 0.00	53.01 2.68 0.00	46.74 2.23 0.00	43.97 2.02 0.00	41.27 1.87 0.00	37.04 1.47 -0.01	37.36 1.70 -0.01	33.97 1.54 -0.01	27.82 1.32 0.00	22.71 1.19 0.00	19.59 1.06 0.00	35.79 1.74 -0.01	52.77 2.23 0.00	70.87 2.89 0.00	65.32 2.69 0.00	58.65 2.23 0.00	47.18 1.71 0.00	42.36 1.54 0.00
PATROON__115KV_TB1 80586	46.67 1.72 0.00	40.72 1.50 0.00	50.84 1.94 0.00	52.79 2.02 0.00	62.35 2.23 0.00	50.07 1.87 0.00	52.43 2.10 0.00	46.31 1.80 0.00	43.48 1.53 0.00	40.86 1.46 0.00	36.86 1.29 0.00	37.02 1.37 0.00	33.72 1.30 0.00	27.66 1.16 0.00	22.47 0.94 0.00	19.35 0.82 0.00	35.59 1.54 0.00	52.55 2.00 0.00	70.53 2.54 0.00	64.91 2.28 0.00	58.53 2.11 0.00	47.15 1.68 0.00	42.31 1.49 0.00
PATTRSNVILLE__SOLAR 323815	46.41 1.46 0.00	40.50 1.28 0.00	50.55 1.65 0.00	52.45 1.68 0.00	62.08 1.95 0.00	49.86 1.66 0.00	52.14 1.81 0.00	46.04 1.53 0.00	43.06 1.11 0.00	40.36 0.96 0.00	36.49 0.92 0.00	36.51 0.85 0.00	33.25 0.83 0.00	27.27 0.77 0.00	22.03 0.51 0.00	18.93 0.40 0.00	34.89 0.83 0.00	52.21 1.67 0.00	70.38 2.39 0.00	64.83 2.20 0.00	58.39 1.97 0.00	47.00 1.54 0.00	42.16 1.34 0.00
PAVMNTRD_115_KV_BK1_REV_LBMP_A 345030	43.69 -1.26 0.00	38.02 -1.20 0.00	47.64 -1.26 0.00	49.34 -1.43 0.00	58.31 -1.81 0.00	45.72 -2.48 0.00	47.08 -3.26 0.00	41.57 -2.94 0.00	36.90 -2.54 2.51	32.47 -2.74 4.19	29.51 -2.16 3.89	29.56 -2.21 3.89	26.51 -2.27 3.65	21.45 -1.93 3.12	17.24 -1.47 2.81	14.68 -1.28 2.57	28.60 -2.28 3.17	41.19 -3.36 6.00	56.03 -4.30 7.66	51.69 -3.90 7.04	45.90 -3.96 6.56	36.81 -3.09 5.56	33.18 -2.63 5.01
PAWLING_115_KV_BK3_REV_LBMP_H 345028	46.99 2.04 0.00	41.00 1.78 0.00	51.16 2.26 0.00	53.04 2.27 0.00	62.65 2.52 0.00	50.51 2.31 0.00	52.88 2.55 0.00	46.69 2.18 0.00	43.88 1.93 0.00	41.28 1.89 0.00	37.11 1.54 0.00	37.35 1.70 0.00	34.00 1.58 0.00	27.85 1.35 0.00	22.73 1.21 0.00	19.61 1.08 0.00	35.93 1.87 0.00	53.10 2.56 0.00	71.24 3.25 0.00	65.62 2.98 0.00	59.08 2.66 0.00	47.54 2.08 0.00	42.63 1.81 0.00
PEEKSKILL____ 23653	46.28 1.33 0.00	40.40 1.18 0.00	50.42 1.52 0.00	52.27 1.50 0.00	61.72 1.59 0.00	49.74 1.54 0.00	52.03 1.70 0.00	45.95 1.44 0.00	43.22 1.27 0.00	40.65 1.25 0.00	36.49 0.92 0.00	36.72 1.06 0.00	33.47 1.05 0.00	27.41 0.91 0.00	22.39 0.87 0.00	19.33 0.80 0.00	35.34 1.29 0.00	52.23 1.68 0.00	70.02 2.03 0.00	64.52 1.89 0.00	58.11 1.69 0.00	46.81 1.35 0.00	42.05 1.23 0.00

PGE MADISON___WINDPWR 24146	45.87 0.92 0.00	40.31 1.08 0.00	50.70 1.80 0.00	54.27 3.49 0.00	64.46 4.33 0.00	51.34 3.14 0.00	53.36 3.02 0.00	47.19 2.68 0.00	44.84 2.05 -0.85	42.31 1.50 -1.41	38.46 1.58 -1.31	37.85 0.89 -1.31	34.07 0.42 -1.23	27.70 0.15 -1.05	22.16 -0.31 -0.95	19.26 -0.13 -0.87	35.95 0.83 -1.07	55.47 2.90 -2.02	75.66 5.09 -2.58	70.08 5.07 -2.37	62.78 4.15 -2.21	50.05 2.71 -1.88	44.29 1.78 -1.69
PIERCEFIELD___HYD 23852	45.60 0.65 0.00	39.78 0.56 0.00	49.50 0.59 0.00	51.14 0.37 0.00	60.64 0.51 0.00	48.59 0.39 0.00	50.72 0.39 0.00	45.02 0.52 0.00	42.54 0.59 0.00	40.19 0.79 0.00	36.30 0.74 0.00	36.30 0.64 0.00	32.87 0.45 0.00	26.76 0.25 0.00	21.63 0.11 0.00	18.54 0.02 0.00	34.06 0.01 0.00	51.18 0.64 0.00	69.19 1.21 0.00	63.93 1.30 0.00	57.80 1.38 0.00	46.76 1.29 0.00	41.94 1.12 0.00
PINELAWN_CC_1 323563	47.25 2.30 0.00	41.17 1.95 0.00	51.33 2.43 0.00	53.15 2.38 0.00	62.75 2.63 0.00	50.71 2.51 0.00	52.82 2.49 0.00	46.61 2.11 0.00	43.86 1.92 0.00	41.35 1.96 0.00	36.92 1.35 0.00	37.11 1.46 0.00	33.83 1.41 0.00	27.60 1.10 0.00	22.66 1.14 0.00	19.69 1.16 0.00	36.08 2.03 0.00	53.36 2.82 0.00	70.80 2.81 0.00	65.52 2.89 0.00	59.34 2.92 0.00	47.86 2.39 0.00	43.05 2.23 0.00
PJM_GEN_HTP_PROXY 323702	46.54 1.59 0.00	40.64 1.42 0.00	50.70 1.80 0.00	52.56 1.79 0.00	62.05 1.92 0.00	50.15 1.95 0.00	52.48 2.15 0.00	46.29 1.78 0.00	43.58 1.63 0.00	41.04 1.64 0.00	36.80 1.23 0.00	37.14 1.43 -0.06	33.82 1.39 0.00	27.69 1.19 0.00	22.62 1.10 0.00	19.52 1.00 0.00	35.67 1.62 0.00	52.78 2.06 -0.17	70.47 2.49 0.00	64.90 2.26 0.00	58.50 2.08 0.00	47.10 1.64 0.00	41.23 1.47 1.06
PJM_GEN_KEystone 24065	44.51 -0.44 0.00	38.84 -0.38 0.00	48.60 -0.30 0.00	50.33 -0.43 0.00	59.51 -0.62 0.00	47.43 -0.77 0.00	49.30 -1.03 0.00	43.54 -0.96 0.00	41.08 -0.86 0.00	38.50 -0.90 0.00	34.73 -0.84 0.00	34.95 -0.76 -0.06	31.69 -0.73 0.00	25.92 -0.58 0.00	21.17 -0.35 0.00	18.24 -0.29 0.00	33.39 -0.66 0.00	48.90 -1.03 0.61	66.55 -1.44 0.00	61.32 -1.32 0.00	55.05 -1.37 0.00	44.43 -1.03 0.00	38.87 -0.89 1.06
PJM_GEN_NEPTUNE_PROXY 323594	46.80 1.85 0.00	40.79 1.57 0.00	50.86 1.95 0.00	52.68 1.91 0.00	62.20 2.08 0.00	50.24 2.04 0.00	52.42 2.09 0.00	46.28 1.77 0.00	43.57 1.62 0.00	41.08 1.68 0.00	36.76 1.19 0.00	37.02 1.31 -0.06	33.70 1.28 0.00	27.52 1.02 0.00	22.57 1.05 0.00	19.55 1.02 0.00	35.77 1.73 0.00	52.97 2.26 -0.17	70.25 2.26 0.00	64.92 2.29 0.00	58.72 2.30 0.00	47.36 1.90 0.00	41.55 1.78 1.06
PJM_GEN_VFT_PROXY 323633	46.27 1.32 0.00	40.42 1.20 0.00	-1.54 1.52 51.96	52.27 1.50 0.00	61.71 1.58 0.00	49.88 1.68 0.00	52.17 1.84 0.00	46.03 1.53 0.00	43.35 1.41 0.00	40.81 1.42 0.00	36.61 1.04 0.00	36.92 1.21 -0.06	33.64 1.21 0.00	27.55 1.05 0.00	22.51 0.99 0.00	19.43 0.90 0.00	35.47 1.42 0.00	52.47 1.76 -0.17	70.06 2.08 0.00	64.53 1.90 0.00	58.13 1.71 0.00	46.83 1.36 0.00	41.02 1.26 1.06
PLATSBURG_115KV_PMLD1 355749	44.54 -0.41 0.00	39.03 -0.19 0.00	48.91 0.01 0.00	51.01 0.24 0.00	61.04 0.91 0.00	48.78 0.58 0.00	51.04 0.71 0.00	45.28 0.78 0.00	42.56 0.61 0.00	39.85 0.45 0.00	36.15 0.58 0.00	36.52 0.86 0.00	33.49 1.07 0.00	27.46 0.96 0.00	22.05 0.53 0.00	18.67 0.14 0.00	34.27 0.22 0.00	52.20 1.65 0.00	70.83 2.85 0.00	65.08 2.45 0.00	58.67 2.26 0.00	46.71 1.24 0.00	42.45 1.64 0.00
PLEASANTVLY___LBMP 24000	46.30 1.35 0.00	40.42 1.20 0.00	50.43 1.53 0.00	52.28 1.52 0.00	61.74 1.62 0.00	49.76 1.57 0.00	52.10 1.76 0.00	46.01 1.50 0.00	43.23 1.29 0.00	40.66 1.26 0.00	36.54 0.97 0.00	36.76 1.11 0.00	33.52 1.09 0.00	27.48 0.98 0.00	22.42 0.90 0.00	19.35 0.82 0.00	35.41 1.36 0.00	52.25 1.70 0.00	70.06 2.08 0.00	64.51 1.88 0.00	58.16 1.75 0.00	46.83 1.37 0.00	42.04 1.22 0.00
PLSNTVLE_13_KV_13.8KVDIST 80602	46.54 1.59 0.00	40.62 1.40 0.00	50.67 1.77 0.00	52.56 1.79 0.00	62.06 1.93 0.00	50.05 1.85 0.00	52.41 2.08 0.00	46.29 1.78 0.00	43.51 1.56 0.00	40.95 1.55 0.00	36.73 1.17 0.00	36.97 1.32 0.00	33.72 1.30 0.00	27.61 1.11 0.00	22.55 1.04 0.00	19.47 0.94 0.00	35.62 1.57 0.00	52.55 2.01 0.00	70.46 2.47 0.00	64.92 2.28 0.00	58.47 2.05 0.00	47.07 1.61 0.00	42.27 1.46 0.00
PLSNTVLE_13_KV_13KVDISA_REV_LBMP_I 345020	46.54 1.59 0.00	40.62 1.40 0.00	50.67 1.77 0.00	52.56 1.79 0.00	62.06 1.93 0.00	50.05 1.85 0.00	52.41 2.08 0.00	46.29 1.78 0.00	43.51 1.56 0.00	40.95 1.55 0.00	36.73 1.17 0.00	36.97 1.32 0.00	33.72 1.30 0.00	27.61 1.11 0.00	22.55 1.04 0.00	19.47 0.94 0.00	35.62 1.57 0.00	52.55 2.01 0.00	70.46 2.47 0.00	64.92 2.28 0.00	58.47 2.05 0.00	47.07 1.61 0.00	42.27 1.46 0.00
PLSTVYCH_69_KV_RQ-3_RG2_REV_LBMP_G 345023	46.73 1.78 0.00	40.78 1.56 0.00	50.89 1.99 0.00	52.76 1.99 0.00	62.33 2.21 0.00	50.24 2.04 0.00	52.59 2.26 0.00	46.44 1.93 0.00	43.63 1.68 0.00	41.00 1.61 0.00	36.89 1.32 0.00	37.14 1.49 0.00	33.77 1.35 0.00	27.71 1.21 0.00	22.60 1.08 0.00	19.50 0.97 0.00	35.72 1.68 0.00	52.82 2.27 0.00	70.89 2.90 0.00	65.26 2.62 0.00	58.80 2.38 0.00	47.29 1.83 0.00	42.42 1.60 0.00
POLETTI___ 23519	46.61 1.65 0.00	40.70 1.48 0.00	50.77 1.86 0.00	52.63 1.86 0.00	62.12 2.00 0.00	50.22 2.02 0.00	52.54 2.21 0.00	46.37 1.86 0.00	43.66 1.71 0.00	41.11 1.72 0.00	36.88 1.31 0.00	37.17 1.52 0.00	33.90 1.48 0.00	27.77 1.27 0.00	22.66 1.14 0.00	19.56 1.03 0.00	35.74 1.70 0.00	52.70 2.15 0.00	70.61 2.62 0.00	65.02 2.39 0.00	58.59 2.17 0.00	47.19 1.72 0.00	42.37 1.55 0.00
POMONA___ESR 323819	46.23 1.28 0.00	40.35 1.14 0.00	50.37 1.46 0.00	52.22 1.45 0.00	61.64 1.52 0.00	49.65 1.46 0.00	51.94 1.61 0.00	45.88 1.37 0.00	43.17 1.22 0.00	40.60 1.20 0.00	36.44 0.87 0.00	36.65 1.00 0.00	33.41 0.99 0.00	27.37 0.87 0.00	22.36 0.84 0.00	19.31 0.78 0.00	35.31 1.26 0.00	52.22 1.67 0.00	69.99 2.00 0.00	64.50 1.87 0.00	58.08 1.66 0.00	46.79 1.33 0.00	42.03 1.21 0.00
PORT_JEFF_3 23555	47.26 2.31 0.00	41.14 1.93 0.00	51.34 2.44 0.00	53.17 2.40 0.00	62.81 2.69 0.00	50.74 2.54 0.00	52.72 2.39 0.00	46.62 2.11 0.00	43.93 1.98 0.00	41.45 2.06 0.00	37.01 1.44 0.00	37.12 1.47 0.00	33.84 1.42 0.00	27.57 1.07 0.00	22.67 1.15 0.00	19.75 1.22 0.00	36.23 2.18 0.00	53.52 2.98 0.00	70.66 2.68 0.00	65.39 2.75 0.00	59.45 3.03 0.00	47.88 2.42 0.00	43.18 2.36 0.00

PORT_JEFF_4 23616	47.26 2.31 0.00	41.14 1.93 0.00	51.34 2.44 0.00	53.17 2.40 0.00	62.81 2.69 0.00	50.74 2.54 0.00	52.72 2.39 0.00	46.62 2.11 0.00	43.93 1.98 0.00	41.45 2.06 0.00	37.01 1.44 0.00	37.12 1.47 0.00	33.84 1.42 0.00	27.57 1.07 0.00	22.67 1.15 0.00	19.75 1.22 0.00	36.23 2.18 0.00	53.52 2.98 0.00	70.66 2.68 0.00	65.39 2.75 0.00	59.45 3.03 0.00	47.88 2.42 0.00	43.18 2.36 0.00
PORT_JEFF_IC 23713	47.27 2.31 0.00	41.14 1.93 0.00	51.35 2.45 0.00	53.19 2.42 0.00	62.83 2.70 0.00	50.75 2.55 0.00	52.72 2.39 0.00	46.63 2.13 0.00	43.93 1.98 0.00	41.47 2.08 0.00	37.02 1.45 0.00	37.13 1.47 0.00	33.85 1.43 0.00	27.58 1.08 0.00	22.67 1.15 0.00	19.76 1.23 0.00	36.25 2.20 0.00	53.56 3.02 0.00	70.71 2.73 0.00	65.44 2.81 0.00	59.48 3.07 0.00	47.91 2.45 0.00	43.20 2.39 0.00
PPL PILGRIM_ST_GT1 24216	47.50 2.56 0.00	41.36 2.14 0.00	51.55 2.65 0.00	53.39 2.62 0.00	63.06 2.93 0.00	50.96 2.76 0.00	53.05 2.72 0.00	46.85 2.34 0.00	44.10 2.15 0.00	41.59 2.19 0.00	37.11 1.54 0.00	37.27 1.62 0.00	33.99 1.57 0.00	27.70 1.20 0.00	22.78 1.25 0.00	19.81 1.27 0.00	36.30 2.25 0.00	53.64 3.10 0.00	70.67 2.69 0.00	65.54 2.90 0.00	59.60 3.19 0.00	48.06 2.59 0.00	43.30 2.48 0.00
PPL PILGRIM_ST_GT2 24217	47.50 2.56 0.00	41.36 2.14 0.00	51.55 2.65 0.00	53.39 2.62 0.00	63.06 2.93 0.00	50.96 2.76 0.00	53.05 2.72 0.00	46.85 2.34 0.00	44.10 2.15 0.00	41.59 2.19 0.00	37.11 1.54 0.00	37.27 1.62 0.00	33.99 1.57 0.00	27.70 1.20 0.00	22.78 1.25 0.00	19.81 1.27 0.00	36.30 2.25 0.00	53.64 3.10 0.00	70.67 2.69 0.00	65.54 2.90 0.00	59.60 3.19 0.00	48.06 2.59 0.00	43.30 2.48 0.00
PPL_SHRM_GT3 24213	46.93 1.98 0.00	40.86 1.64 0.00	51.17 2.27 0.00	52.98 2.21 0.00	62.62 2.50 0.00	50.55 2.35 0.00	52.17 1.83 0.00	46.30 1.79 0.00	43.74 1.79 0.00	41.37 1.97 0.00	36.95 1.38 0.00	36.95 1.30 0.00	33.64 1.22 0.00	27.39 0.89 0.00	22.52 1.00 0.00	19.72 1.19 0.00	36.20 2.15 0.00	53.52 2.98 0.00	69.93 1.94 0.00	64.72 2.09 0.00	59.28 2.87 0.00	47.65 2.19 0.00	43.10 2.28 0.00
PPL_SHRM_GT4 24214	46.93 1.98 0.00	40.86 1.64 0.00	51.17 2.27 0.00	52.98 2.21 0.00	62.62 2.50 0.00	50.55 2.35 0.00	52.17 1.83 0.00	46.30 1.79 0.00	43.74 1.79 0.00	41.37 1.97 0.00	36.95 1.38 0.00	36.95 1.30 0.00	33.64 1.22 0.00	27.39 0.89 0.00	22.52 1.00 0.00	19.72 1.19 0.00	36.20 2.15 0.00	53.52 2.98 0.00	69.93 1.94 0.00	64.72 2.09 0.00	59.28 2.87 0.00	47.65 2.19 0.00	43.10 2.28 0.00
PROJECT___ORANGE 1 24174	43.76 -1.19 0.00	38.17 -1.05 0.00	47.63 -1.27 0.00	49.43 -1.34 0.00	58.52 -1.60 0.00	46.78 -1.42 0.00	48.73 -1.61 0.00	43.02 -1.48 0.00	40.63 -1.32 0.00	38.12 -1.28 0.00	34.45 -1.12 0.00	34.50 -1.16 0.00	31.31 -1.11 0.00	25.51 -0.99 0.00	20.72 -0.80 0.00	17.87 -0.66 0.00	32.95 -1.09 0.00	49.10 -1.45 0.00	66.08 -1.90 0.00	60.81 -1.83 0.00	54.63 -1.79 0.00	44.02 -1.45 0.00	39.48 -1.34 0.00
PROJECT___ORANGE 2 24166	43.76 -1.19 0.00	38.17 -1.05 0.00	47.63 -1.27 0.00	49.43 -1.34 0.00	58.52 -1.60 0.00	46.78 -1.42 0.00	48.73 -1.61 0.00	43.02 -1.48 0.00	40.63 -1.32 0.00	38.12 -1.28 0.00	34.45 -1.12 0.00	34.50 -1.16 0.00	31.31 -1.11 0.00	25.51 -0.99 0.00	20.72 -0.80 0.00	17.87 -0.66 0.00	32.95 -1.09 0.00	49.10 -1.45 0.00	66.08 -1.90 0.00	60.81 -1.83 0.00	54.63 -1.79 0.00	44.02 -1.45 0.00	39.48 -1.34 0.00
PUCKETT___SOLAR 323809	44.82 -0.13 0.00	39.22 0.00 0.00	49.03 0.13 0.00	51.17 0.40 0.00	60.71 0.59 0.00	48.37 0.18 0.00	50.32 -0.01 0.00	44.39 -0.11 0.00	41.74 -0.20 0.00	39.00 -0.40 0.00	35.08 -0.49 0.00	35.06 -0.59 0.00	31.65 -0.77 0.00	25.75 -0.75 0.00	20.79 -0.73 0.00	17.98 -0.54 0.00	33.40 -0.65 0.00	50.33 -0.21 0.00	68.29 0.31 0.00	62.97 0.33 0.00	56.58 0.17 0.00	45.32 -0.15 0.00	40.36 -0.46 0.00
PYRITES___HYD 24023	46.71 1.76 0.00	40.72 1.50 0.00	50.68 1.78 0.00	52.44 1.67 0.00	62.23 2.11 0.00	49.84 1.64 0.00	52.01 1.68 0.00	46.17 1.66 0.00	43.56 1.61 0.00	41.10 1.70 0.00	37.12 1.55 0.00	37.04 1.39 0.00	33.44 1.02 0.00	27.21 0.71 0.00	21.93 0.41 0.00	18.78 0.25 0.00	34.70 0.65 0.00	52.44 1.89 0.00	71.11 3.13 0.00	65.63 2.99 0.00	59.22 2.80 0.00	47.73 2.26 0.00	42.80 1.98 0.00
QUAKERRD_115KV_BK1 80622	42.53 -2.42 0.00	37.07 -2.15 0.00	46.30 -2.60 0.00	48.01 -2.76 0.00	56.81 -3.31 0.00	45.05 -3.15 0.00	46.73 -3.60 0.00	41.27 -3.24 0.00	39.08 -2.86 0.00	36.61 -2.79 0.00	33.21 -2.36 0.00	33.08 -2.57 0.00	29.96 -2.46 0.00	24.41 -2.09 0.00	19.85 -1.67 0.00	17.12 -1.41 0.00	31.61 -2.44 0.00	47.09 -3.46 0.00	63.45 -4.53 0.00	58.40 -4.24 0.00	52.30 -4.12 0.00	42.19 -3.28 0.00	37.95 -2.87 0.00
QUEENSBRY_115KV_TB8 356137	48.49 3.54 0.00	42.37 3.15 0.00	53.10 4.20 0.00	54.97 4.20 0.00	64.97 4.85 0.00	52.14 3.94 0.00	54.84 4.51 0.00	48.40 3.89 0.00	45.22 3.28 0.00	42.22 2.82 0.00	38.24 2.67 0.00	38.25 2.60 0.00	34.86 2.43 0.00	28.61 2.11 0.00	23.33 1.81 0.00	19.95 1.42 0.00	36.77 2.73 0.00	54.53 3.98 0.00	73.05 5.07 0.00	67.18 4.55 0.00	60.67 4.25 0.00	48.71 3.24 0.00	43.64 2.83 0.00
RAMAPO___LBMP 323565	46.06 1.11 0.00	40.20 0.98 0.00	50.20 1.30 0.00	52.04 1.27 0.00	61.44 1.31 0.00	49.48 1.28 0.00	51.76 1.43 0.00	45.72 1.21 0.00	43.01 1.07 0.00	40.44 1.05 0.00	36.30 0.73 0.00	36.51 0.86 0.00	33.28 0.86 0.00	27.26 0.76 0.00	22.25 0.73 0.00	19.22 0.69 0.00	35.13 1.08 0.00	51.96 1.42 0.00	69.68 1.70 0.00	64.21 1.57 0.00	57.81 1.39 0.00	46.59 1.12 0.00	41.85 1.04 0.00
RANKINE____ 23646	43.18 -1.77 0.00	37.58 -1.64 0.00	47.08 -1.82 0.00	48.78 -1.99 0.00	57.64 -2.49 0.00	45.16 -3.04 0.00	46.44 -3.89 0.00	41.00 -3.51 0.00	36.18 -3.00 2.77	31.66 -3.12 4.63	28.75 -2.52 4.29	28.83 -2.53 4.29	25.84 -2.56 4.03	20.87 -2.18 3.44	16.74 -1.68 3.10	14.23 -1.47 2.83	27.88 -2.67 3.50	40.00 -3.93 6.61	54.46 -5.07 8.46	50.24 -4.62 7.78	44.58 -4.59 7.25	35.72 -3.60 6.15	32.24 -3.05 5.53
RAVENSWOOD_GT2_1 24244	46.63 1.68 0.00	40.72 1.50 0.00	50.79 1.88 0.00	52.66 1.89 0.00	62.14 2.01 0.00	50.22 2.02 0.00	52.55 2.22 0.00	46.38 1.88 0.00	43.66 1.72 0.00	41.12 1.72 0.00	36.90 1.33 0.00	37.18 1.53 0.00	33.91 1.48 0.00	27.77 1.27 0.00	22.67 1.15 0.00	19.57 1.04 0.00	35.76 1.71 0.00	52.72 2.17 0.00	70.62 2.64 0.00	65.04 2.40 0.00	58.63 2.21 0.00	47.20 1.74 0.00	42.39 1.57 0.00

RAVENSWOOD_GT2_2 24245	46.63 1.68 0.00	40.72 1.50 0.00	50.79 1.88 0.00	52.66 1.89 0.00	62.14 2.01 0.00	50.22 2.02 0.00	52.55 2.22 0.00	46.38 1.88 0.00	43.66 1.72 0.00	41.12 1.72 0.00	36.90 1.33 0.00	37.18 1.53 0.00	33.91 1.48 0.00	27.77 1.27 0.00	22.67 1.15 0.00	19.57 1.04 0.00	35.76 1.71 0.00	52.72 2.17 0.00	70.62 2.64 0.00	65.04 2.40 0.00	58.63 2.21 0.00	47.20 1.74 0.00	42.39 1.57 0.00
RAVENSWOOD_GT2_3 24246	46.65 1.70 0.00	40.74 1.52 0.00	50.81 1.90 0.00	52.67 1.90 0.00	62.16 2.04 0.00	50.23 2.03 0.00	52.57 2.24 0.00	46.39 1.89 0.00	43.68 1.74 0.00	41.14 1.75 0.00	36.92 1.35 0.00	37.20 1.54 0.00	33.92 1.50 0.00	27.78 1.28 0.00	22.68 1.16 0.00	19.58 1.05 0.00	35.78 1.73 0.00	52.74 2.19 0.00	70.67 2.68 0.00	65.07 2.44 0.00	58.65 2.23 0.00	47.23 1.76 0.00	42.40 1.59 0.00
RAVENSWOOD_GT2_4 24247	46.65 1.70 0.00	40.74 1.52 0.00	50.81 1.90 0.00	52.67 1.90 0.00	62.16 2.04 0.00	50.23 2.03 0.00	52.57 2.24 0.00	46.39 1.89 0.00	43.68 1.74 0.00	41.14 1.75 0.00	36.92 1.35 0.00	37.20 1.54 0.00	33.92 1.50 0.00	27.78 1.28 0.00	22.68 1.16 0.00	19.58 1.05 0.00	35.78 1.73 0.00	52.74 2.19 0.00	70.67 2.68 0.00	65.07 2.44 0.00	58.65 2.23 0.00	47.23 1.76 0.00	42.40 1.59 0.00
RAVENSWOOD_GT3_1 24248	46.63 1.68 0.00	40.72 1.50 0.00	50.79 1.88 0.00	52.66 1.89 0.00	62.14 2.02 0.00	50.22 2.02 0.00	52.55 2.22 0.00	46.39 1.88 0.00	43.66 1.72 0.00	41.12 1.73 0.00	36.91 1.34 0.00	37.18 1.53 0.00	33.91 1.48 0.00	27.77 1.27 0.00	22.67 1.15 0.00	19.57 1.04 0.00	35.76 1.72 0.00	52.72 2.17 0.00	70.62 2.64 0.00	65.04 2.40 0.00	58.63 2.21 0.00	47.20 1.74 0.00	42.39 1.57 0.00
RAVENSWOOD_GT3_2 24249	46.63 1.68 0.00	40.72 1.50 0.00	50.79 1.88 0.00	52.66 1.89 0.00	62.14 2.02 0.00	50.22 2.02 0.00	52.55 2.22 0.00	46.39 1.88 0.00	43.66 1.72 0.00	41.12 1.73 0.00	36.91 1.34 0.00	37.18 1.53 0.00	33.91 1.48 0.00	27.77 1.27 0.00	22.67 1.15 0.00	19.57 1.04 0.00	35.76 1.72 0.00	52.72 2.17 0.00	70.62 2.64 0.00	65.04 2.40 0.00	58.63 2.21 0.00	47.20 1.74 0.00	42.39 1.57 0.00
RAVENSWOOD_GT3_3 24250	46.69 1.74 0.00	40.78 1.56 0.00	50.86 1.95 0.00	52.72 1.95 0.00	62.22 2.10 0.00	50.27 2.08 0.00	52.62 2.29 0.00	46.44 1.93 0.00	43.73 1.79 0.00	41.19 1.79 0.00	36.96 1.39 0.00	37.24 1.58 0.00	33.96 1.53 0.00	27.81 1.31 0.00	22.70 1.18 0.00	19.60 1.07 0.00	35.81 1.76 0.00	52.81 2.26 0.00	70.73 2.75 0.00	65.14 2.50 0.00	58.72 2.30 0.00	47.27 1.81 0.00	42.44 1.63 0.00
RAVENSWOOD_GT3_4 24251	46.69 1.74 0.00	40.78 1.56 0.00	50.86 1.95 0.00	52.72 1.95 0.00	62.22 2.10 0.00	50.27 2.08 0.00	52.62 2.29 0.00	46.44 1.93 0.00	43.73 1.79 0.00	41.19 1.79 0.00	36.96 1.39 0.00	37.24 1.58 0.00	33.96 1.53 0.00	27.81 1.31 0.00	22.70 1.18 0.00	19.60 1.07 0.00	35.81 1.76 0.00	52.81 2.26 0.00	70.73 2.75 0.00	65.14 2.50 0.00	58.72 2.30 0.00	47.27 1.81 0.00	42.44 1.63 0.00
RAVENSWOOD_GT_1 23729	49.45 1.81 -2.69	44.76 1.66 -3.88	52.51 2.05 -1.56	54.00 2.06 -1.17	62.29 2.15 -0.01	52.25 2.18 -1.87	54.03 2.40 -1.30	49.30 2.04 -2.76	46.99 1.87 -3.17	45.12 1.89 -3.84	41.60 1.50 -4.52	41.76 1.73 -4.37	39.04 1.67 -4.95	34.13 1.41 -6.21	30.07 1.26 -7.29	27.88 1.14 -8.21	40.86 1.89 -4.92	54.39 2.34 -1.50	70.87 2.88 0.00	65.25 2.61 0.00	59.52 2.41 -0.69	49.92 1.88 -2.57	46.45 1.71 -3.92
RAVENSWOOD_GT_10 24258	46.94 1.68 -0.31	41.15 1.49 -0.45	50.96 1.88 -0.18	52.80 1.89 -0.14	62.14 2.01 0.00	50.43 2.02 -0.21	52.69 2.21 -0.15	46.70 1.87 -0.32	44.03 1.72 -0.37	41.56 1.72 -0.44	37.39 1.32 -0.50	37.68 1.52 -0.50	34.47 1.48 -0.57	28.49 1.27 -0.72	23.51 1.15 -0.84	20.51 1.03 -0.95	36.32 1.71 -0.57	52.89 2.17 -0.17	70.62 2.63 0.00	65.03 2.40 0.00	58.70 2.20 -0.08	47.50 1.74 -0.30	42.84 1.57 -0.45
RAVENSWOOD_GT_11 24259	46.94 1.68 -0.31	41.15 1.49 -0.45	50.96 1.88 -0.18	52.80 1.89 -0.14	62.14 2.01 0.00	50.43 2.02 -0.21	52.69 2.21 -0.15	46.70 1.87 -0.32	44.03 1.72 -0.37	41.56 1.72 -0.44	37.39 1.32 -0.50	37.68 1.52 -0.50	34.47 1.48 -0.57	28.49 1.27 -0.72	23.51 1.15 -0.84	20.51 1.03 -0.95	36.32 1.71 -0.57	52.89 2.17 -0.17	70.62 2.63 0.00	65.03 2.40 0.00	58.70 2.20 -0.08	47.50 1.74 -0.30	42.84 1.57 -0.45
RAVENSWOOD_GT_4 24252	48.66 1.66 -2.05	43.65 1.47 -2.95	51.95 1.86 -1.19	53.52 1.86 -0.89	62.14 2.00 -0.01	51.63 2.00 -1.43	53.52 2.20 -0.99	48.45 1.85 -2.10	46.05 1.69 -2.42	44.02 1.70 -2.92	40.17 1.30 -3.30	40.47 1.49 -3.32	37.64 1.45 -3.77	32.48 1.24 -4.73	28.20 1.13 -5.55	25.80 1.02 -6.25	39.48 1.68 -3.74	53.84 2.15 -1.14	70.59 2.61 0.00	65.01 2.38 0.00	59.12 2.17 -0.53	49.15 1.72 -1.96	45.35 1.55 -2.98
RAVENSWOOD_GT_5 24254	48.66 1.66 -2.05	43.65 1.47 -2.95	51.95 1.86 -1.19	53.52 1.86 -0.89	62.14 2.00 -0.01	51.63 2.00 -1.43	53.52 2.20 -0.99	48.45 1.85 -2.10	46.05 1.69 -2.42	44.02 1.70 -2.92	40.17 1.30 -3.30	40.47 1.49 -3.32	37.64 1.45 -3.77	32.48 1.24 -4.73	28.20 1.13 -5.55	25.80 1.02 -6.25	39.48 1.68 -3.74	53.84 2.15 -1.14	70.59 2.61 0.00	65.01 2.38 0.00	59.12 2.17 -0.53	49.15 1.72 -1.96	45.35 1.55 -2.98
RAVENSWOOD_GT_6 24253	48.66 1.66 -2.05	43.65 1.47 -2.95	51.95 1.86 -1.19	53.52 1.86 -0.89	62.14 2.00 -0.01	51.63 2.00 -1.43	53.52 2.20 -0.99	48.45 1.85 -2.10	46.05 1.69 -2.42	44.02 1.70 -2.92	40.17 1.30 -3.30	40.47 1.49 -3.32	37.64 1.45 -3.77	32.48 1.24 -4.73	28.20 1.13 -5.55	25.80 1.02 -6.25	39.48 1.68 -3.74	53.84 2.15 -1.14	70.59 2.61 0.00	65.01 2.38 0.00	59.12 2.17 -0.53	49.15 1.72 -1.96	45.35 1.55 -2.98
RAVENSWOOD_GT_7 24255	48.66 1.66 -2.05	43.65 1.47 -2.95	51.95 1.86 -1.19	53.52 1.86 -0.89	62.14 2.00 -0.01	51.63 2.00 -1.43	53.52 2.20 -0.99	48.45 1.85 -2.10	46.05 1.69 -2.42	44.02 1.70 -2.92	40.17 1.30 -3.30	40.47 1.49 -3.32	37.64 1.45 -3.77	32.48 1.24 -4.73	28.20 1.13 -5.55	25.80 1.02 -6.25	39.48 1.68 -3.74	53.84 2.15 -1.14	70.59 2.61 0.00	65.01 2.38 0.00	59.12 2.17 -0.53	49.15 1.72 -1.96	45.35 1.55 -2.98
RAVENSWOOD_GT_8 TEMP GRP(8-11) 24256	46.94 1.68 -0.31	41.15 1.49 -0.45	50.96 1.88 -0.18	52.80 1.89 -0.14	62.14 2.01 0.00	50.43 2.02 -0.21	52.69 2.21 -0.15	46.70 1.87 -0.32	44.03 1.72 -0.37	41.56 1.72 -0.44	37.39 1.32 -0.50	37.68 1.52 -0.50	34.47 1.48 -0.57	28.49 1.27 -0.72	23.51 1.15 -0.84	20.51 1.03 -0.95	36.32 1.71 -0.57	52.89 2.17 -0.17	70.62 2.63 0.00	65.03 2.40 0.00	58.70 2.20 -0.08	47.50 1.74 -0.30	42.84 1.57 -0.45

RAVENSWOOD_GT_9 24257	46.94 1.68 -0.31	41.15 1.49 -0.45	50.96 1.88 -0.18	52.80 1.89 -0.14	62.14 2.01 0.00	50.43 2.02 -0.21	52.69 2.21 -0.15	46.70 1.87 -0.32	44.03 1.72 -0.37	41.56 1.72 -0.44	37.39 1.32 -0.50	37.68 1.52 -0.50	34.47 1.48 -0.57	28.49 1.27 -0.72	23.51 1.15 -0.84	20.51 1.03 -0.95	36.32 1.71 -0.57	52.89 2.17 -0.17	70.62 2.63 0.00	65.03 2.40 0.00	58.70 2.20 -0.08	47.50 1.74 -0.30	42.84 1.57 -0.45
RAVENSWOOD___1 23533	44.05 1.75 2.65	37.03 1.63 3.82	49.36 2.00 1.54	51.62 2.01 1.16	62.21 2.09 0.01	48.49 2.14 1.84	51.40 2.35 1.28	43.78 1.99 2.71	40.65 1.83 3.12	37.45 1.83 3.78	32.77 1.47 4.26	33.06 1.70 4.29	29.20 1.64 4.86	21.77 1.39 6.12	15.60 1.25 7.18	11.58 1.13 8.08	31.08 1.86 4.84	51.35 2.28 1.48	70.80 2.81 0.00	65.17 2.54 0.00	58.09 2.35 0.68	44.77 1.84 2.53	38.62 1.66 3.86
RAVENSWOOD___2 23534	44.05 1.75 2.65	37.03 1.63 3.82	49.36 2.00 1.54	51.62 2.01 1.16	62.21 2.09 0.01	48.49 2.14 1.84	51.40 2.35 1.28	43.78 1.99 2.71	40.65 1.83 3.12	37.45 1.83 3.78	32.77 1.47 4.26	33.06 1.70 4.29	29.20 1.64 4.86	21.77 1.39 6.12	15.60 1.25 7.18	11.58 1.13 8.08	31.08 1.86 4.84	51.35 2.28 1.48	70.80 2.81 0.00	65.17 2.54 0.00	58.09 2.35 0.68	44.77 1.84 2.53	38.62 1.66 3.86
RAVENSWOOD___3 23535	46.63 1.68 0.00	40.72 1.50 0.00	50.78 1.88 0.00	52.66 1.89 0.00	62.14 2.02 0.00	50.22 2.02 0.00	52.55 2.22 0.00	46.37 1.87 0.00	43.67 1.72 0.00	41.11 1.72 0.00	36.90 1.33 0.00	37.18 1.53 0.00	33.91 1.49 0.00	27.77 1.27 0.00	22.68 1.15 0.00	19.57 1.04 0.00	35.76 1.72 0.00	52.71 2.17 0.00	70.61 2.63 0.00	65.02 2.39 0.00	58.63 2.21 0.00	47.20 1.74 0.00	42.38 1.56 0.00
RAVENSWOOD___4 23820	44.05 1.75 2.65	37.03 1.63 3.82	49.36 2.00 1.54	51.62 2.01 1.16	62.21 2.09 0.01	48.49 2.14 1.84	51.40 2.35 1.28	43.78 1.99 2.71	40.65 1.83 3.12	37.45 1.83 3.78	32.77 1.47 4.26	33.06 1.70 4.29	29.20 1.64 4.86	21.77 1.39 6.12	15.60 1.25 7.18	11.58 1.13 8.08	31.08 1.86 4.84	51.35 2.28 1.48	70.80 2.81 0.00	65.17 2.54 0.00	58.09 2.35 0.68	44.77 1.84 2.53	38.62 1.66 3.86
RCPL_TRUST___DRP 24196	46.56 1.61 0.00	40.65 1.43 0.00	50.73 1.83 0.00	52.58 1.81 0.00	62.07 1.95 0.00	50.17 1.98 0.00	52.51 2.18 0.00	46.32 1.82 0.00	43.59 1.65 0.00	41.06 1.67 0.00	36.84 1.27 0.00	37.11 1.46 0.00	33.84 1.42 0.00	27.72 1.22 0.00	22.63 1.11 0.00	19.53 1.00 0.00	35.70 1.66 0.00	52.63 2.09 0.00	70.53 2.54 0.00	64.95 2.31 0.00	58.53 2.11 0.00	47.13 1.67 0.00	42.31 1.50 0.00
RED___ROCHESTER 323720	43.59 -1.36 0.00	37.96 -1.26 0.00	47.42 -1.48 0.00	49.15 -1.62 0.00	58.12 -2.00 0.00	45.99 -2.21 0.00	47.65 -2.68 0.00	42.11 -2.40 0.00	39.87 -2.08 0.00	37.37 -2.03 0.00	33.94 -1.63 0.00	33.74 -1.91 0.00	30.55 -1.87 0.00	24.91 -1.59 0.00	20.24 -1.28 0.00	17.46 -1.08 0.00	32.29 -1.76 0.00	48.15 -2.39 0.00	64.92 -3.07 0.00	59.74 -2.90 0.00	53.47 -2.94 0.00	43.13 -2.33 0.00	38.79 -2.03 0.00
REGAN___SOLAR 323812	47.45 2.50 0.00	41.37 2.15 0.00	51.62 2.72 0.00	53.59 2.82 0.00	63.55 3.43 0.00	51.08 2.88 0.00	53.35 3.02 0.00	47.07 2.56 0.00	43.55 1.61 0.00	40.64 1.25 0.00	36.93 1.36 0.00	36.74 1.09 0.00	33.55 1.13 0.00	27.57 1.07 0.00	22.03 0.51 0.00	18.58 0.05 0.00	34.78 0.73 0.00	53.39 2.85 0.00	72.47 4.49 0.00	66.83 4.19 0.00	60.05 3.64 0.00	48.27 2.80 0.00	43.19 2.37 0.00
RENSSELAER___COGEN 23796	46.49 1.54 0.00	40.57 1.35 0.00	50.65 1.75 0.00	52.57 1.80 0.00	62.11 1.99 0.00	49.86 1.67 0.00	52.23 1.90 0.00	46.11 1.61 0.00	43.31 1.37 0.00	40.69 1.29 0.00	36.71 1.14 0.00	36.85 1.20 0.00	33.56 1.14 0.00	27.52 1.02 0.00	22.36 0.84 0.00	19.26 0.73 0.00	35.39 1.34 0.00	52.29 1.75 0.00	70.21 2.22 0.00	64.63 2.00 0.00	58.28 1.86 0.00	46.96 1.50 0.00	42.14 1.33 0.00
REPUBLIC_115KV_BARTNBRK 55605	50.07 5.13 0.00	43.81 4.60 0.00	55.17 6.26 0.00	56.92 6.15 0.00	67.29 7.16 0.00	53.83 5.63 0.00	56.92 6.59 0.00	50.18 5.67 0.00	46.68 4.73 0.00	43.42 4.03 0.00	39.50 3.93 0.00	39.47 3.82 0.00	36.11 3.68 0.00	29.60 3.09 0.00	24.42 2.90 0.00	20.82 2.29 0.00	38.32 4.27 0.00	56.70 6.16 0.00	75.84 7.85 0.00	69.72 7.09 0.00	63.38 6.97 0.00	50.69 5.22 0.00	45.14 4.32 0.00
REVERE_CPPR_DRP 24186	46.02 1.07 0.00	40.07 0.85 0.00	49.96 1.05 0.00	51.87 1.10 0.00	61.50 1.38 0.00	49.41 1.21 0.00	51.68 1.35 0.00	45.68 1.17 0.00	42.99 1.04 0.00	40.37 0.98 0.00	36.42 0.85 0.00	36.20 0.54 0.00	33.01 0.59 0.00	26.74 0.24 0.00	21.64 0.12 0.00	18.66 0.13 0.00	34.63 0.58 0.00	51.91 1.37 0.00	70.09 2.11 0.00	64.52 1.89 0.00	58.16 1.74 0.00	46.92 1.46 0.00	41.84 1.02 0.00
REYNOLDS_115KV_TB3 80639	46.44 1.50 0.00	40.53 1.31 0.00	50.62 1.72 0.00	52.56 1.79 0.00	62.03 1.91 0.00	49.80 1.60 0.00	52.20 1.87 0.00	46.10 1.59 0.00	43.25 1.30 0.00	40.67 1.28 0.00	36.64 1.07 0.00	36.81 1.16 0.00	33.56 1.14 0.00	27.54 1.04 0.00	22.39 0.87 0.00	19.31 0.78 0.00	35.47 1.42 0.00	52.20 1.65 0.00	69.97 1.99 0.00	64.41 1.78 0.00	58.16 1.74 0.00	46.88 1.41 0.00	42.10 1.28 0.00
RIVERBAY____ 323610	46.74 1.79 0.00	40.90 1.67 0.00	51.12 2.22 0.00	53.11 2.35 0.00	62.63 2.51 0.00	50.73 2.53 0.00	53.01 2.68 0.00	46.74 2.23 0.00	43.97 2.02 0.00	41.27 1.87 0.00	37.04 1.47 -0.01	37.36 1.70 -0.01	33.97 1.54 -0.01	27.82 1.32 0.00	22.71 1.19 0.00	19.59 1.06 0.00	35.79 1.74 -0.01	52.77 2.23 0.00	70.87 2.89 0.00	65.32 2.69 0.00	58.65 2.23 0.00	47.18 1.71 0.00	42.36 1.54 0.00
RIVERSDE_115KV_TB3 55908	46.53 1.58 0.00	40.59 1.38 0.00	50.70 1.80 0.00	52.63 1.86 0.00	62.15 2.03 0.00	49.90 1.70 0.00	52.28 1.95 0.00	46.17 1.66 0.00	43.34 1.39 0.00	40.73 1.34 0.00	36.73 1.16 0.00	36.88 1.23 0.00	33.62 1.20 0.00	27.57 1.07 0.00	22.41 0.89 0.00	19.32 0.79 0.00	35.49 1.44 0.00	52.33 1.78 0.00	70.20 2.21 0.00	64.61 1.97 0.00	58.30 1.88 0.00	46.97 1.51 0.00	42.18 1.36 0.00
ROARING___BROOK_WT_PWR 323790	44.26 -0.69 0.00	38.63 -0.60 0.00	48.07 -0.83 0.00	50.09 -0.68 0.00	59.53 -0.59 0.00	47.80 -0.39 0.00	49.95 -0.38 0.00	44.20 -0.31 0.00	41.73 -0.22 0.00	39.23 -0.17 0.00	35.40 -0.16 0.00	35.34 -0.31 0.00	32.00 -0.43 0.00	26.07 -0.43 0.00	21.15 -0.37 0.00	18.20 -0.33 0.00	33.43 -0.62 0.00	49.70 -0.85 0.00	66.87 -1.12 0.00	62.01 -0.63 0.00	56.01 -0.41 0.00	45.39 -0.08 0.00	40.53 -0.29 0.00

ROCHESRG_115KV_T4 355643	43.09 -1.86 0.00	37.55 -1.67 0.00	46.90 -2.01 0.00	48.63 -2.14 0.00	57.51 -2.61 0.00	45.49 -2.71 0.00	47.11 -3.22 0.00	41.61 -2.90 0.00	38.61 -2.52 0.81	35.55 -2.49 1.35	32.28 -2.03 1.26	32.18 -2.22 1.26	29.08 -2.17 1.18	23.65 -1.84 1.01	19.16 -1.46 0.91	16.45 -1.25 0.83	30.85 -2.17 1.02	45.51 -3.09 1.94	61.50 -4.01 2.48	56.64 -3.71 2.29	50.61 -3.68 2.13	40.77 -2.89 1.81	36.71 -2.48 1.63
ROCHESTER_9_IC 23652	43.34 -1.61 0.00	37.76 -1.46 0.00	47.17 -1.73 0.00	48.90 -1.87 0.00	57.82 -2.30 0.00	45.74 -2.46 0.00	47.39 -2.94 0.00	41.85 -2.66 0.00	39.63 -2.31 0.00	37.12 -2.28 0.00	33.73 -1.83 0.00	33.57 -2.08 0.00	30.39 -2.03 0.00	24.77 -1.73 0.00	20.15 -1.36 0.00	17.37 -1.16 0.00	32.07 -1.98 0.00	47.76 -2.78 0.00	64.41 -3.58 0.00	59.31 -3.32 0.00	53.09 -3.33 0.00	42.83 -2.64 0.00	38.55 -2.27 0.00
ROCKVIEW_13_KV_LD 356306	46.72 1.77 0.00	40.78 1.56 0.00	50.87 1.97 0.00	52.74 1.97 0.00	62.28 2.15 0.00	50.25 2.06 0.00	52.60 2.27 0.00	46.44 1.93 0.00	43.68 1.74 0.00	41.11 1.72 0.00	36.89 1.32 0.00	37.15 1.50 0.00	33.88 1.46 0.00	27.74 1.24 0.00	22.64 1.12 0.00	19.55 1.02 0.00	35.76 1.72 0.00	52.77 2.23 0.00	70.70 2.71 0.00	65.12 2.49 0.00	58.68 2.26 0.00	47.25 1.79 0.00	42.42 1.60 0.00
ROME____115KV_TB2 80656	46.02 1.07 0.00	40.07 0.85 0.00	49.96 1.05 0.00	51.87 1.10 0.00	61.50 1.38 0.00	49.41 1.21 0.00	51.68 1.35 0.00	45.68 1.17 0.00	42.99 1.04 0.00	40.37 0.98 0.00	36.42 0.85 0.00	36.20 0.54 0.00	33.01 0.59 0.00	26.74 0.24 0.00	21.64 0.12 0.00	18.66 0.13 0.00	34.63 0.58 0.00	51.91 1.37 0.00	70.09 2.11 0.00	64.52 1.89 0.00	58.16 1.74 0.00	46.92 1.46 0.00	41.84 1.02 0.00
ROSETON___1 23587	46.22 1.27 0.00	40.35 1.13 0.00	50.35 1.45 0.00	52.19 1.42 0.00	61.65 1.53 0.00	49.67 1.47 0.00	51.97 1.64 0.00	45.89 1.38 0.00	43.16 1.22 0.00	40.57 1.18 0.00	36.47 0.90 0.00	36.69 1.04 0.00	33.43 1.01 0.00	27.40 0.90 0.00	22.35 0.83 0.00	19.30 0.77 0.00	35.30 1.25 0.00	52.13 1.59 0.00	69.91 1.92 0.00	64.39 1.76 0.00	58.04 1.62 0.00	46.74 1.28 0.00	41.97 1.15 0.00
ROSETON___2 23588	46.22 1.27 0.00	40.35 1.13 0.00	50.35 1.45 0.00	52.19 1.42 0.00	61.65 1.53 0.00	49.67 1.47 0.00	51.97 1.64 0.00	45.89 1.38 0.00	43.16 1.22 0.00	40.57 1.18 0.00	36.47 0.90 0.00	36.69 1.04 0.00	33.43 1.01 0.00	27.40 0.90 0.00	22.35 0.83 0.00	19.30 0.77 0.00	35.30 1.25 0.00	52.13 1.59 0.00	69.91 1.92 0.00	64.39 1.76 0.00	58.04 1.62 0.00	46.74 1.28 0.00	41.97 1.15 0.00
ROTTRDAM_115KV_TB3 80664	46.17 1.22 0.00	40.29 1.07 0.00	50.32 1.42 0.00	52.19 1.43 0.00	61.72 1.59 0.00	49.55 1.35 0.00	51.86 1.53 0.00	45.81 1.30 0.00	42.99 1.05 0.00	40.34 0.95 0.00	36.44 0.87 0.00	36.53 0.88 0.00	33.27 0.85 0.00	27.25 0.75 0.00	22.13 0.61 0.00	19.05 0.52 0.00	35.03 0.98 0.00	51.98 1.43 0.00	69.86 1.88 0.00	64.31 1.68 0.00	57.97 1.56 0.00	46.68 1.21 0.00	41.88 1.06 0.00
RUSSELL___1 23602	43.59 -1.36 0.00	37.96 -1.26 0.00	47.42 -1.48 0.00	49.16 -1.61 0.00	58.13 -2.00 0.00	45.99 -2.21 0.00	47.65 -2.69 0.00	42.08 -2.43 0.00	39.85 -2.10 0.00	37.33 -2.07 0.00	33.91 -1.66 0.00	33.72 -1.94 0.00	30.54 -1.89 0.00	24.89 -1.62 0.00	20.25 -1.27 0.00	17.46 -1.07 0.00	32.26 -1.79 0.00	48.08 -2.46 0.00	64.85 -3.13 0.00	59.71 -2.92 0.00	53.43 -2.99 0.00	43.09 -2.38 0.00	38.76 -2.06 0.00
RUSSELL___2 23532	43.59 -1.36 0.00	37.96 -1.26 0.00	47.42 -1.48 0.00	49.16 -1.61 0.00	58.13 -2.00 0.00	45.99 -2.21 0.00	47.65 -2.69 0.00	42.08 -2.43 0.00	39.85 -2.10 0.00	37.33 -2.07 0.00	33.91 -1.66 0.00	33.72 -1.94 0.00	30.54 -1.89 0.00	24.89 -1.62 0.00	20.25 -1.27 0.00	17.46 -1.07 0.00	32.26 -1.79 0.00	48.08 -2.46 0.00	64.85 -3.13 0.00	59.71 -2.92 0.00	53.43 -2.99 0.00	43.09 -2.38 0.00	38.76 -2.06 0.00
RUSSELL___3 23549	43.59 -1.36 0.00	37.96 -1.26 0.00	47.42 -1.48 0.00	49.16 -1.61 0.00	58.13 -2.00 0.00	45.99 -2.21 0.00	47.65 -2.69 0.00	42.08 -2.43 0.00	39.85 -2.10 0.00	37.33 -2.07 0.00	33.91 -1.66 0.00	33.72 -1.94 0.00	30.54 -1.89 0.00	24.89 -1.62 0.00	20.25 -1.27 0.00	17.46 -1.07 0.00	32.26 -1.79 0.00	48.08 -2.46 0.00	64.85 -3.13 0.00	59.71 -2.92 0.00	53.43 -2.99 0.00	43.09 -2.38 0.00	38.76 -2.06 0.00
RUSSELL___4 23556	43.59 -1.36 0.00	37.96 -1.26 0.00	47.42 -1.48 0.00	49.16 -1.61 0.00	58.13 -2.00 0.00	45.99 -2.21 0.00	47.65 -2.69 0.00	42.08 -2.43 0.00	39.85 -2.10 0.00	37.33 -2.07 0.00	33.91 -1.66 0.00	33.72 -1.94 0.00	30.54 -1.89 0.00	24.89 -1.62 0.00	20.25 -1.27 0.00	17.46 -1.07 0.00	32.26 -1.79 0.00	48.08 -2.46 0.00	64.85 -3.13 0.00	59.71 -2.92 0.00	53.43 -2.99 0.00	43.09 -2.38 0.00	38.76 -2.06 0.00
RUSSELL___STATION 23914	43.59 -1.36 0.00	37.96 -1.26 0.00	47.42 -1.48 0.00	49.16 -1.61 0.00	58.13 -2.00 0.00	45.99 -2.21 0.00	47.65 -2.69 0.00	42.08 -2.43 0.00	39.85 -2.10 0.00	37.33 -2.07 0.00	33.91 -1.66 0.00	33.72 -1.94 0.00	30.54 -1.89 0.00	24.89 -1.62 0.00	20.25 -1.27 0.00	17.46 -1.07 0.00	32.26 -1.79 0.00	48.08 -2.46 0.00	64.85 -3.13 0.00	59.71 -2.92 0.00	53.43 -2.99 0.00	43.09 -2.38 0.00	38.76 -2.06 0.00
S SALMON___HYD 24043	43.56 -1.39 0.00	37.95 -1.27 0.00	47.31 -1.59 0.00	49.10 -1.67 0.00	58.13 -2.00 0.00	46.57 -1.63 0.00	48.64 -1.69 0.00	42.93 -1.58 0.00	40.50 -1.44 0.00	38.13 -1.27 0.00	34.44 -1.13 0.00	34.29 -1.36 0.00	30.98 -1.45 0.00	25.08 -1.42 0.00	20.35 -1.17 0.00	17.55 -0.98 0.00	32.41 -1.64 0.00	48.85 -1.69 0.00	65.91 -2.08 0.00	60.87 -1.77 0.00	54.87 -1.54 0.00	44.53 -0.94 0.00	39.63 -1.19 0.00
S.PERRY___115KV_TB1 80734	43.98 -0.97 0.00	38.36 -0.86 0.00	48.08 -0.82 0.00	49.94 -0.83 0.00	59.28 -0.85 0.00	46.64 -1.56 0.00	48.21 -2.12 0.00	42.61 -1.90 0.00	55.94 -1.99 -15.98	63.61 -2.51 -26.72	57.96 -2.40 -24.79	57.73 -2.69 -24.77	52.95 -2.73 -23.25	44.08 -2.33 -19.90	37.60 -1.83 -17.90	33.37 -1.52 -16.36	51.79 -2.45 -20.19	86.03 -2.73 -38.22	114.55 -2.17 -48.73	105.50 -1.89 -44.75	95.91 -2.21 -41.71	78.86 -1.97 -35.36	70.76 -1.87 -31.81
SAWYER_23_KV_LOAD_REV_LBMP_A 345024	42.57 -2.38 0.00	37.05 -2.17 0.00	46.39 -2.51 0.00	48.05 -2.72 0.00	56.75 -3.38 0.00	44.46 -3.74 0.00	45.74 -4.59 0.00	40.39 -4.11 0.00	35.14 -3.53 3.28	30.36 -3.56 5.48	27.60 -2.89 5.08	27.66 -2.92 5.08	24.75 -2.90 4.77	19.97 -2.45 4.08	15.93 -1.92 3.67	13.50 -1.68 3.35	26.80 -3.11 4.14	38.09 -4.62 7.83	51.92 -6.04 10.03	47.89 -5.51 9.24	42.43 -5.38 8.61	33.99 -4.17 7.30	30.74 -3.52 6.56

SAWYER___23_KV_LOAD 55526	42.57 -2.38 0.00	37.05 -2.17 0.00	46.39 -2.51 0.00	48.05 -2.72 0.00	56.75 -3.38 0.00	44.46 -3.74 0.00	45.74 -4.59 0.00	40.39 -4.11 0.00	35.14 -3.53 3.28	30.36 -3.56 5.48	27.60 -2.89 5.08	27.66 -2.92 5.08	24.75 -2.90 4.77	19.97 -2.45 4.08	15.93 -1.92 3.67	13.50 -1.68 3.35	26.80 -3.11 4.14	38.09 -4.62 7.83	51.92 -6.04 10.03	47.89 -5.51 9.24	42.43 -5.38 8.61	33.99 -4.17 7.30	30.74 -3.52 6.56
SELKIRK___I 23801	46.50 1.55 0.00	40.59 1.37 0.00	50.66 1.76 0.00	52.60 1.83 0.00	62.15 2.03 0.00	49.89 1.69 0.00	52.20 1.87 0.00	46.08 1.57 0.00	43.28 1.33 0.00	40.59 1.19 0.00	36.65 1.08 0.00	36.78 1.13 0.00	33.49 1.07 0.00	27.48 0.98 0.00	22.28 0.76 0.00	19.14 0.61 0.00	35.27 1.22 0.00	52.27 1.72 0.00	70.19 2.20 0.00	64.62 1.98 0.00	58.25 1.84 0.00	46.96 1.49 0.00	42.14 1.32 0.00
SELKIRK___II 23799	46.27 1.32 0.00	40.39 1.17 0.00	50.42 1.51 0.00	52.33 1.56 0.00	61.82 1.70 0.00	49.65 1.45 0.00	51.97 1.64 0.00	45.90 1.39 0.00	43.12 1.17 0.00	40.51 1.11 0.00	36.53 0.96 0.00	36.69 1.04 0.00	33.40 0.98 0.00	27.38 0.88 0.00	22.24 0.72 0.00	19.16 0.63 0.00	35.20 1.15 0.00	52.04 1.50 0.00	69.87 1.88 0.00	64.33 1.70 0.00	58.01 1.59 0.00	46.75 1.29 0.00	41.95 1.13 0.00
SENECA OSWGO___HYD 24041	43.32 -1.63 0.00	37.75 -1.46 0.00	47.11 -1.79 0.00	48.89 -1.88 0.00	57.87 -2.25 0.00	46.27 -1.92 0.00	48.22 -2.11 0.00	42.59 -1.92 0.00	40.24 -1.71 0.00	37.77 -1.62 0.00	34.11 -1.47 0.00	34.18 -1.48 0.00	30.99 -1.43 0.00	25.25 -1.25 0.00	20.51 -1.01 0.00	17.71 -0.82 0.00	32.63 -1.42 0.00	48.64 -1.90 0.00	65.46 -2.53 0.00	60.25 -2.39 0.00	54.14 -2.28 0.00	43.63 -1.84 0.00	39.13 -1.69 0.00
SENECA___115KV_TB3 355854	43.25 -1.70 0.00	37.64 -1.58 0.00	47.17 -1.73 0.00	48.87 -1.90 0.00	57.72 -2.41 0.00	45.23 -2.97 0.00	46.52 -3.81 0.00	41.07 -3.44 0.00	36.25 -2.93 2.77	31.71 -3.06 4.63	28.82 -2.46 4.29	28.88 -2.48 4.29	25.88 -2.51 4.03	20.91 -2.15 3.44	16.77 -1.65 3.10	14.26 -1.44 2.83	27.93 -2.62 3.50	40.07 -3.86 6.61	54.58 -4.95 8.46	50.34 -4.51 7.78	44.66 -4.50 7.25	35.79 -3.53 6.15	32.30 -2.99 5.53
SENECA___ENERGY 23797	43.74 -1.21 0.00	38.17 -1.05 0.00	47.66 -1.24 0.00	49.50 -1.27 0.00	58.69 -1.44 0.00	46.71 -1.49 0.00	48.54 -1.79 0.00	42.81 -1.70 0.00	41.50 -1.49 -1.05	39.55 -1.60 -1.76	35.76 -1.44 -1.63	35.76 -1.52 -1.63	32.39 -1.56 -1.53	26.40 -1.41 -1.31	21.59 -1.11 -1.18	18.66 -0.94 -1.08	33.88 -1.49 -1.33	51.29 -1.76 -2.51	69.02 -2.17 -3.20	63.47 -2.10 -2.94	57.00 -2.16 -2.74	46.02 -1.77 -2.32	41.33 -1.58 -2.09
SHOEMAKER___GT 23640	46.06 1.11 0.00	40.19 0.98 0.00	50.15 1.25 0.00	52.00 1.23 0.00	61.44 1.32 0.00	49.46 1.26 0.00	51.72 1.39 0.00	45.66 1.15 0.00	42.95 1.01 0.00	40.29 0.89 0.00	36.22 0.66 0.00	36.50 0.85 0.00	33.12 0.69 0.00	27.17 0.67 0.00	22.15 0.63 0.00	19.10 0.57 0.00	34.98 0.93 0.00	51.82 1.28 0.00	69.61 1.62 0.00	64.13 1.49 0.00	57.77 1.35 0.00	46.56 1.10 0.00	41.80 0.98 0.00
SHOEMAKR_138KV_BK 111 55601	46.02 1.07 0.00	40.16 0.95 0.00	50.13 1.23 0.00	51.97 1.20 0.00	61.40 1.28 0.00	49.42 1.23 0.00	51.68 1.35 0.00	45.64 1.13 0.00	42.93 0.99 0.00	40.30 0.90 0.00	36.23 0.66 0.00	36.49 0.83 0.00	33.13 0.70 0.00	27.18 0.68 0.00	22.15 0.63 0.00	19.11 0.58 0.00	35.00 0.95 0.00	51.82 1.27 0.00	69.59 1.60 0.00	64.12 1.49 0.00	57.73 1.31 0.00	46.54 1.07 0.00	41.76 0.95 0.00
SHOREHAM_IC_1 23715	46.93 1.98 0.00	40.86 1.64 0.00	51.17 2.27 0.00	52.98 2.21 0.00	62.62 2.50 0.00	50.55 2.35 0.00	52.17 1.83 0.00	46.30 1.79 0.00	43.74 1.79 0.00	41.37 1.97 0.00	36.95 1.38 0.00	36.95 1.30 0.00	33.64 1.22 0.00	27.39 0.89 0.00	22.52 1.00 0.00	19.72 1.19 0.00	36.20 2.15 0.00	53.52 2.98 0.00	69.93 1.94 0.00	64.72 2.09 0.00	59.28 2.87 0.00	47.65 2.19 0.00	43.10 2.28 0.00
SHOREHAM_IC_2 23716	46.93 1.98 0.00	40.86 1.64 0.00	51.17 2.27 0.00	52.98 2.21 0.00	62.62 2.50 0.00	50.55 2.35 0.00	52.17 1.83 0.00	46.30 1.79 0.00	43.74 1.79 0.00	41.37 1.97 0.00	36.95 1.38 0.00	36.95 1.30 0.00	33.64 1.22 0.00	27.39 0.89 0.00	22.52 1.00 0.00	19.72 1.19 0.00	36.20 2.15 0.00	53.52 2.98 0.00	69.93 1.94 0.00	64.72 2.09 0.00	59.28 2.87 0.00	47.65 2.19 0.00	43.10 2.28 0.00
SISSONVILLE____ 23735	45.60 0.65 0.00	39.78 0.56 0.00	49.50 0.59 0.00	51.14 0.37 0.00	60.64 0.51 0.00	48.59 0.39 0.00	50.72 0.39 0.00	45.02 0.52 0.00	42.54 0.59 0.00	40.19 0.79 0.00	36.30 0.74 0.00	36.30 0.64 0.00	32.87 0.45 0.00	26.76 0.25 0.00	21.63 0.11 0.00	18.54 0.02 0.00	34.06 0.01 0.00	51.18 0.64 0.00	69.19 1.21 0.00	63.93 1.30 0.00	57.80 1.38 0.00	46.76 1.29 0.00	41.94 1.12 0.00
SITHE_IND_GS1 24169	42.94 -2.01 0.00	37.46 -1.76 0.00	46.72 -2.18 0.00	48.51 -2.26 0.00	57.41 -2.71 0.00	45.94 -2.26 0.00	47.88 -2.45 0.00	42.32 -2.18 0.00	39.99 -1.96 0.00	37.54 -1.86 0.00	33.93 -1.64 0.00	33.97 -1.69 0.00	30.86 -1.56 0.00	25.20 -1.30 0.00	20.46 -1.06 0.00	17.62 -0.91 0.00	32.41 -1.64 0.00	48.17 -2.38 0.00	64.81 -3.17 0.00	59.67 -2.96 0.00	53.67 -2.74 0.00	43.27 -2.20 0.00	38.85 -1.97 0.00
SITHE_IND_GS2 24170	42.94 -2.01 0.00	37.46 -1.76 0.00	46.72 -2.18 0.00	48.51 -2.26 0.00	57.41 -2.71 0.00	45.94 -2.26 0.00	47.88 -2.45 0.00	42.32 -2.18 0.00	39.99 -1.96 0.00	37.54 -1.86 0.00	33.93 -1.64 0.00	33.97 -1.69 0.00	30.86 -1.56 0.00	25.20 -1.30 0.00	20.46 -1.06 0.00	17.62 -0.91 0.00	32.41 -1.64 0.00	48.17 -2.38 0.00	64.81 -3.17 0.00	59.67 -2.96 0.00	53.67 -2.74 0.00	43.27 -2.20 0.00	38.85 -1.97 0.00
SITHE_IND_GS3 24171	42.94 -2.01 0.00	37.46 -1.76 0.00	46.72 -2.18 0.00	48.51 -2.26 0.00	57.41 -2.71 0.00	45.94 -2.26 0.00	47.88 -2.45 0.00	42.32 -2.18 0.00	39.99 -1.96 0.00	37.54 -1.86 0.00	33.93 -1.64 0.00	33.97 -1.69 0.00	30.86 -1.56 0.00	25.20 -1.30 0.00	20.46 -1.06 0.00	17.62 -0.91 0.00	32.41 -1.64 0.00	48.17 -2.38 0.00	64.81 -3.17 0.00	59.67 -2.96 0.00	53.67 -2.74 0.00	43.27 -2.20 0.00	38.85 -1.97 0.00
SITHE_IND_GS4 24172	42.94 -2.01 0.00	37.46 -1.76 0.00	46.72 -2.18 0.00	48.51 -2.26 0.00	57.41 -2.71 0.00	45.94 -2.26 0.00	47.88 -2.45 0.00	42.32 -2.18 0.00	39.99 -1.96 0.00	37.54 -1.86 0.00	33.93 -1.64 0.00	33.97 -1.69 0.00	30.86 -1.56 0.00	25.20 -1.30 0.00	20.46 -1.06 0.00	17.62 -0.91 0.00	32.41 -1.64 0.00	48.17 -2.38 0.00	64.81 -3.17 0.00	59.67 -2.96 0.00	53.67 -2.74 0.00	43.27 -2.20 0.00	38.85 -1.97 0.00

SITHE___BATAVIA 24024	43.72 -1.23 0.00	38.02 -1.19 0.00	47.55 -1.35 0.00	49.30 -1.47 0.00	58.26 -1.86 0.00	45.81 -2.39 0.00	47.29 -3.04 0.00	41.82 -2.69 0.00	36.78 -2.54 2.62	32.30 -2.71 4.38	29.54 -1.96 4.07	29.82 -1.77 4.07	26.05 -2.56 3.82	21.00 -2.23 3.27	16.78 -1.80 2.94	14.32 -1.53 2.69	28.40 -2.33 3.32	41.38 -2.89 6.27	56.36 -3.61 8.01	51.90 -3.36 7.37	46.06 -3.49 6.87	36.89 -2.75 5.82	33.22 -2.36 5.24
SITHE___INDEPEND 23800	42.94 -2.01 0.00	37.46 -1.76 0.00	46.72 -2.18 0.00	48.51 -2.26 0.00	57.41 -2.72 0.00	45.94 -2.26 0.00	47.88 -2.45 0.00	42.33 -2.18 0.00	39.99 -1.96 0.00	37.53 -1.87 0.00	33.93 -1.64 0.00	33.96 -1.69 0.00	30.86 -1.56 0.00	25.20 -1.31 0.00	20.46 -1.06 0.00	17.62 -0.91 0.00	32.41 -1.64 0.00	48.16 -2.39 0.00	64.80 -3.18 0.00	59.66 -2.97 0.00	53.66 -2.76 0.00	43.26 -2.21 0.00	38.85 -1.97 0.00
SITHE___MASSENA 23902	45.88 0.93 0.00	40.03 0.81 0.00	49.84 0.93 0.00	51.72 0.95 0.00	61.44 1.31 0.00	49.17 0.97 0.00	51.27 0.94 0.00	45.50 0.99 0.00	43.01 1.06 0.00	40.47 1.08 0.00	36.59 1.02 0.00	36.67 1.02 0.00	33.28 0.86 0.00	27.15 0.65 0.00	21.99 0.47 0.00	18.88 0.35 0.00	34.66 0.62 0.00	51.74 1.19 0.00	69.79 1.80 0.00	64.43 1.80 0.00	58.04 1.62 0.00	46.72 1.26 0.00	42.01 1.19 0.00
SITHE___OGDNSBRG 24021	46.75 1.80 0.00	40.77 1.55 0.00	50.73 1.83 0.00	52.58 1.81 0.00	62.42 2.29 0.00	49.97 1.78 0.00	52.13 1.80 0.00	46.27 1.76 0.00	43.66 1.72 0.00	41.16 1.76 0.00	37.17 1.60 0.00	37.10 1.44 0.00	33.52 1.10 0.00	27.30 0.80 0.00	22.02 0.50 0.00	18.88 0.35 0.00	34.83 0.78 0.00	52.53 1.99 0.00	71.21 3.23 0.00	65.73 3.10 0.00	59.23 2.81 0.00	47.67 2.21 0.00	42.79 1.97 0.00
SITHE___STERLING 23777	45.63 0.68 0.00	39.76 0.54 0.00	49.58 0.69 0.00	51.52 0.75 0.00	61.06 0.94 0.00	49.01 0.81 0.00	51.25 0.92 0.00	45.29 0.78 0.00	42.62 0.68 0.00	39.99 0.60 0.00	36.08 0.52 0.00	35.90 0.25 0.00	32.76 0.34 0.00	26.56 0.06 0.00	21.51 -0.01 0.00	18.55 0.02 0.00	34.35 0.30 0.00	51.43 0.89 0.00	69.41 1.43 0.00	63.87 1.24 0.00	57.50 1.08 0.00	46.34 0.87 0.00	41.39 0.57 0.00
SLEIGHT__34_KV_TB1 80719	43.54 -1.40 0.00	37.93 -1.29 0.00	47.34 -1.57 0.00	49.12 -1.65 0.00	58.19 -1.93 0.00	46.23 -1.97 0.00	47.98 -2.35 0.00	42.32 -2.19 0.00	40.10 -1.85 0.00	37.52 -1.88 0.00	33.96 -1.61 0.00	33.90 -1.75 0.00	30.61 -1.81 0.00	24.88 -1.62 0.00	20.23 -1.29 0.00	17.46 -1.07 0.00	32.33 -1.71 0.00	48.37 -2.17 0.00	65.23 -2.76 0.00	60.03 -2.60 0.00	53.75 -2.67 0.00	43.30 -2.16 0.00	38.91 -1.91 0.00
SOUTH CAIRO___GT 23612	48.52 3.57 0.00	42.28 3.06 0.00	52.78 3.88 0.00	54.82 4.06 0.00	64.82 4.70 0.00	52.04 3.85 0.00	54.55 4.21 0.00	48.11 3.60 0.00	45.24 3.30 0.00	42.23 2.84 0.00	38.20 2.63 0.00	38.40 2.74 0.00	34.56 2.14 0.00	28.60 2.10 0.00	23.03 1.51 0.00	19.64 1.11 0.00	36.38 2.33 0.00	54.48 3.94 0.00	73.70 5.71 0.00	67.79 5.16 0.00	60.98 4.56 0.00	48.99 3.53 0.00	43.87 3.05 0.00
SOUTH HAMPTN___IC 23720	46.89 1.94 0.00	40.82 1.60 0.00	51.10 2.19 0.00	52.92 2.15 0.00	62.57 2.44 0.00	50.55 2.35 0.00	52.33 2.00 0.00	46.40 1.89 0.00	43.75 1.80 0.00	41.26 1.87 0.00	36.94 1.37 0.00	36.91 1.26 0.00	33.51 1.08 0.00	27.32 0.82 0.00	22.46 0.94 0.00	19.64 1.11 0.00	36.06 2.02 0.00	53.38 2.83 0.00	69.97 1.98 0.00	64.73 2.10 0.00	59.23 2.81 0.00	47.64 2.18 0.00	43.14 2.32 0.00
SOUTHDOW_115KV_TB1 355954	44.07 -0.88 0.00	38.44 -0.78 0.00	48.47 -0.43 0.00	50.23 -0.54 0.00	59.04 -1.09 0.00	46.31 -1.89 0.00	47.78 -2.55 0.00	42.15 -2.36 0.00	38.85 -2.14 0.95	35.22 -2.58 1.59	32.18 -1.92 1.48	32.53 -1.64 1.47	29.34 -1.70 1.38	23.70 -1.61 1.18	19.31 -1.15 1.06	16.48 -1.08 0.97	30.79 -2.06 1.20	45.63 -2.65 2.27	62.57 -2.67 2.74	57.43 -2.80 2.40	50.95 -3.23 2.24	41.00 -2.57 1.90	36.65 -2.46 1.71
SOUTHOLD_69_KV_BK 2 55809	46.45 1.50 0.00	40.43 1.21 0.00	50.62 1.72 0.00	52.45 1.68 0.00	62.03 1.90 0.00	50.18 1.98 0.00	52.16 1.83 0.00	46.26 1.76 0.00	43.52 1.58 0.00	40.92 1.52 0.00	36.78 1.21 0.00	36.68 1.03 0.00	33.11 0.69 0.00	27.05 0.55 0.00	22.23 0.71 0.00	19.44 0.91 0.00	35.70 1.65 0.00	52.95 2.40 0.00	69.54 1.56 0.00	64.26 1.62 0.00	58.87 2.45 0.00	47.37 1.90 0.00	43.01 2.20 0.00
SOUTHOLD___IC 23719	46.44 1.49 0.00	40.43 1.21 0.00	50.62 1.72 0.00	52.45 1.68 0.00	62.02 1.90 0.00	50.19 1.99 0.00	52.16 1.83 0.00	46.26 1.75 0.00	43.52 1.58 0.00	40.90 1.51 0.00	36.78 1.21 0.00	36.68 1.02 0.00	33.11 0.69 0.00	27.04 0.54 0.00	22.24 0.72 0.00	19.44 0.91 0.00	35.69 1.65 0.00	52.93 2.39 0.00	69.52 1.53 0.00	64.24 1.61 0.00	58.85 2.43 0.00	47.36 1.89 0.00	43.00 2.18 0.00
SOUTH_FORK_WT_PWR 323839	45.67 0.72 0.00	39.76 0.54 0.00	49.79 0.88 0.00	51.59 0.82 0.00	60.99 0.87 0.00	49.42 1.22 0.00	51.50 1.17 0.00	45.69 1.18 0.00	42.96 1.02 0.00	40.31 0.91 0.00	36.37 0.81 0.00	36.22 0.56 0.00	32.57 0.15 0.00	26.62 0.12 0.00	21.89 0.37 0.00	19.14 0.61 0.00	35.11 1.06 0.00	52.07 1.53 0.00	68.43 0.44 0.00	63.20 0.57 0.00	57.99 1.58 0.00	46.69 1.22 0.00	42.52 1.70 0.00
SPIERFLS_115KV_TB 1 80737	48.27 3.32 0.00	42.18 2.95 0.00	52.83 3.93 0.00	54.71 3.94 0.00	64.67 4.54 0.00	51.91 3.71 0.00	54.55 4.22 0.00	48.15 3.64 0.00	45.03 3.08 0.00	42.04 2.65 0.00	38.07 2.50 0.00	38.08 2.43 0.00	34.68 2.26 0.00	28.46 1.96 0.00	23.19 1.67 0.00	19.81 1.28 0.00	36.52 2.48 0.00	54.18 3.64 0.00	72.65 4.66 0.00	66.80 4.17 0.00	60.29 3.88 0.00	48.42 2.96 0.00	43.42 2.60 0.00
ST LAWRENCE____ 23600	45.16 0.21 0.00	39.41 0.19 0.00	49.07 0.17 0.00	50.99 0.22 0.00	60.56 0.44 0.00	48.47 0.27 0.00	50.54 0.21 0.00	44.84 0.33 0.00	42.37 0.43 0.00	39.84 0.45 0.00	36.03 0.46 0.00	36.13 0.47 0.00	32.82 0.40 0.00	26.80 0.30 0.00	21.71 0.20 0.00	18.65 0.12 0.00	34.23 0.19 0.00	51.00 0.46 0.00	68.76 0.77 0.00	63.43 0.79 0.00	57.12 0.70 0.00	45.94 0.48 0.00	41.34 0.52 0.00
STATE_CA_115KV_115_LB 55624	46.67 1.72 0.00	40.72 1.50 0.00	50.84 1.94 0.00	52.79 2.02 0.00	62.35 2.23 0.00	50.07 1.87 0.00	52.43 2.10 0.00	46.31 1.80 0.00	43.48 1.53 0.00	40.86 1.46 0.00	36.86 1.29 0.00	37.02 1.37 0.00	33.72 1.30 0.00	27.66 1.16 0.00	22.47 0.95 0.00	19.35 0.82 0.00	35.59 1.54 0.00	52.55 2.00 0.00	70.53 2.54 0.00	64.91 2.28 0.00	58.53 2.11 0.00	47.15 1.69 0.00	42.31 1.49 0.00

STATE_ST_34_KV_LOAD 55959	44.44 -0.51 0.00	38.79 -0.43 0.00	48.28 -0.62 0.00	50.25 -0.52 0.00	59.54 -0.58 0.00	47.56 -0.64 0.00	49.49 -0.84 0.00	43.51 -0.99 0.00	41.20 -0.74 0.00	38.54 -0.85 0.00	34.78 -0.79 0.00	34.84 -0.82 0.00	31.49 -0.93 0.00	25.53 -0.97 0.00	20.78 -0.74 0.00	17.89 -0.64 0.00	33.17 -0.88 0.00	49.80 -0.75 0.00	67.14 -0.85 0.00	61.69 -0.95 0.00	55.46 -0.96 0.00	44.64 -0.83 0.00	40.04 -0.77 0.00
STATION 5_MISC_HYD 23604	43.34 -1.60 0.00	37.75 -1.46 0.00	47.17 -1.73 0.00	48.90 -1.87 0.00	57.82 -2.30 0.00	45.75 -2.45 0.00	47.40 -2.94 0.00	41.88 -2.62 0.00	39.65 -2.30 0.00	37.17 -2.23 0.00	33.76 -1.81 0.00	33.60 -2.05 0.00	30.41 -2.01 0.00	24.79 -1.71 0.00	20.15 -1.37 0.00	17.37 -1.16 0.00	32.08 -1.97 0.00	47.83 -2.72 0.00	64.49 -3.50 0.00	59.36 -3.28 0.00	53.13 -3.29 0.00	42.87 -2.60 0.00	38.58 -2.24 0.00
STA_168_34_KV_BK1_2_REV_LBMP_B 345032	44.07 -0.88 0.00	38.41 -0.81 0.00	47.97 -0.93 0.00	49.78 -0.99 0.00	58.96 -1.16 0.00	46.85 -1.35 0.00	48.67 -1.66 0.00	42.95 -1.56 0.00	40.64 -1.31 0.00	37.97 -1.42 0.00	34.39 -1.17 0.00	34.21 -1.44 0.00	30.94 -1.48 0.00	25.18 -1.32 0.00	20.47 -1.05 0.00	17.67 -0.86 0.00	32.81 -1.24 0.00	49.06 -1.49 0.00	66.14 -1.85 0.00	60.82 -1.82 0.00	54.44 -1.98 0.00	43.85 -1.62 0.00	39.37 -1.44 0.00
STA_56_34_KV_BUS2_REV_LBMP_B 345033	43.15 -1.80 0.00	37.59 -1.63 0.00	46.96 -1.94 0.00	48.69 -2.08 0.00	57.59 -2.54 0.00	45.59 -2.60 0.00	47.26 -3.08 0.00	41.74 -2.77 0.00	39.52 -2.42 0.00	37.02 -2.38 0.00	33.63 -1.94 0.00	33.47 -2.18 0.00	30.31 -2.11 0.00	24.70 -1.80 0.00	20.09 -1.43 0.00	17.32 -1.21 0.00	31.99 -2.06 0.00	47.65 -2.89 0.00	64.23 -3.76 0.00	59.13 -3.51 0.00	52.93 -3.49 0.00	42.71 -2.76 0.00	38.42 -2.40 0.00
STA_56___34_KV_BUS2 355983	43.15 -1.80 0.00	37.59 -1.63 0.00	46.96 -1.94 0.00	48.69 -2.08 0.00	57.59 -2.54 0.00	45.59 -2.60 0.00	47.26 -3.08 0.00	41.74 -2.77 0.00	39.52 -2.42 0.00	37.02 -2.38 0.00	33.63 -1.94 0.00	33.47 -2.18 0.00	30.31 -2.11 0.00	24.70 -1.80 0.00	20.09 -1.43 0.00	17.32 -1.21 0.00	31.99 -2.06 0.00	47.65 -2.89 0.00	64.23 -3.76 0.00	59.13 -3.51 0.00	52.93 -3.49 0.00	42.71 -2.76 0.00	38.42 -2.40 0.00
STA_67___115KV_BK2 355882	43.24 -1.71 0.00	37.67 -1.55 0.00	47.06 -1.85 0.00	48.79 -1.98 0.00	57.69 -2.43 0.00	45.64 -2.56 0.00	47.28 -3.05 0.00	41.76 -2.75 0.00	39.55 -2.40 0.00	37.02 -2.38 0.00	33.65 -1.92 0.00	33.52 -2.14 0.00	30.33 -2.09 0.00	24.72 -1.78 0.00	20.11 -1.41 0.00	17.33 -1.20 0.00	31.99 -2.06 0.00	47.63 -2.92 0.00	63.01 -3.76 1.22	57.13 -3.48 2.02	51.08 -3.46 1.88	41.13 -2.74 1.60	37.02 -2.36 1.44
STA_7___115KV_9TRANS 80674	43.59 -1.36 0.00	37.96 -1.26 0.00	47.42 -1.48 0.00	49.16 -1.61 0.00	58.13 -2.00 0.00	45.99 -2.21 0.00	47.65 -2.69 0.00	42.08 -2.43 0.00	39.85 -2.10 0.00	37.33 -2.07 0.00	33.91 -1.66 0.00	33.72 -1.94 0.00	30.54 -1.89 0.00	24.89 -1.62 0.00	20.25 -1.27 0.00	17.46 -1.07 0.00	32.26 -1.79 0.00	48.08 -2.46 0.00	64.85 -3.13 0.00	59.71 -2.92 0.00	53.43 -2.99 0.00	43.09 -2.38 0.00	38.76 -2.06 0.00
STA_82___115KV_TB1 80780	43.24 -1.71 0.00	37.68 -1.55 0.00	47.06 -1.84 0.00	48.79 -1.98 0.00	57.70 -2.42 0.00	45.65 -2.55 0.00	47.29 -3.05 0.00	41.76 -2.75 0.00	39.55 -2.40 0.00	37.02 -2.38 0.00	33.65 -1.92 0.00	33.52 -2.14 0.00	30.32 -2.10 0.00	24.71 -1.79 0.00	20.11 -1.41 0.00	17.33 -1.20 0.00	31.97 -2.08 0.00	47.63 -2.91 0.00	64.25 -3.74 0.00	59.16 -3.47 0.00	52.96 -3.46 0.00	42.73 -2.74 0.00	38.46 -2.36 0.00
STEEL___WIND 323596	43.18 -1.77 0.00	37.55 -1.67 0.00	47.08 -1.82 0.00	48.80 -1.97 0.00	57.64 -2.48 0.00	45.16 -3.04 0.00	46.45 -3.88 0.00	41.02 -3.48 0.00	36.21 -2.97 2.77	31.72 -3.05 4.63	28.78 -2.50 4.29	28.83 -2.54 4.29	25.85 -2.55 4.03	20.88 -2.17 3.44	16.72 -1.70 3.10	14.22 -1.48 2.83	27.90 -2.65 3.50	40.07 -3.86 6.61	54.55 -4.98 8.46	50.29 -4.56 7.78	44.63 -4.54 7.25	35.76 -3.56 6.15	32.28 -3.01 5.53
STEPHTWN_115KV_BK_2 55603	47.00 2.05 0.00	40.92 1.70 0.00	51.16 2.25 0.00	52.92 2.15 0.00	62.78 2.66 0.00	50.32 2.13 0.00	52.78 2.45 0.00	46.56 2.05 0.00	43.72 1.77 0.00	41.09 1.70 0.00	37.10 1.53 0.00	37.21 1.56 0.00	33.85 1.43 0.00	27.76 1.26 0.00	22.54 1.02 0.00	19.42 0.89 0.00	35.82 1.77 0.00	52.98 2.43 0.00	71.11 3.13 0.00	65.44 2.81 0.00	58.96 2.54 0.00	47.40 1.93 0.00	42.46 1.64 0.00
STEUBEN_REC_LFGE 323667	41.89 -3.06 0.00	36.71 -2.51 0.00	46.30 -2.60 0.00	48.30 -2.47 0.00	57.54 -2.59 0.00	44.53 -3.67 0.00	45.93 -4.40 0.00	40.81 -3.69 0.00	49.26 -3.26 -10.58	53.01 -4.06 -17.68	47.85 -4.12 -16.40	47.69 -4.35 -16.38	43.59 -4.21 -15.38	36.13 -3.54 -13.17	30.54 -2.83 -11.84	26.99 -2.36 -10.82	43.64 -3.77 -13.36	71.52 -4.31 -25.28	95.76 -4.48 -32.25	88.11 -4.15 -29.63	79.63 -4.40 -27.61	64.90 -3.98 -23.41	58.11 -3.76 -21.06
STILLWATER___SOLAR 323814	47.30 2.36 0.00	41.28 2.06 0.00	51.61 2.71 0.00	53.50 2.73 0.00	63.24 3.12 0.00	50.78 2.58 0.00	53.25 2.92 0.00	47.01 2.50 0.00	44.01 2.07 0.00	41.27 1.88 0.00	37.29 1.73 0.00	37.36 1.71 0.00	34.03 1.61 0.00	27.91 1.41 0.00	22.73 1.21 0.00	19.54 1.01 0.00	36.01 1.96 0.00	53.37 2.82 0.00	71.62 3.63 0.00	65.87 3.24 0.00	59.40 2.98 0.00	47.78 2.32 0.00	42.84 2.02 0.00
STONY___BROOK 24151	47.26 2.31 0.00	41.14 1.93 0.00	51.34 2.44 0.00	53.17 2.40 0.00	62.81 2.69 0.00	50.74 2.54 0.00	52.73 2.40 0.00	46.63 2.12 0.00	43.93 1.98 0.00	41.46 2.06 0.00	36.99 1.43 0.00	37.10 1.45 0.00	33.83 1.41 0.00	27.57 1.06 0.00	22.66 1.14 0.00	19.75 1.22 0.00	36.23 2.18 0.00	53.55 3.00 0.00	70.72 2.74 0.00	65.43 2.80 0.00	59.47 3.05 0.00	47.91 2.44 0.00	43.17 2.36 0.00
STURGEON_POOL_HYD 23609	46.47 1.52 0.00	40.55 1.33 0.00	50.60 1.70 0.00	52.47 1.70 0.00	61.98 1.86 0.00	49.95 1.76 0.00	52.28 1.94 0.00	46.15 1.65 0.00	43.41 1.47 0.00	40.82 1.43 0.00	36.69 1.12 0.00	36.92 1.26 0.00	33.54 1.12 0.00	27.56 1.06 0.00	22.45 0.93 0.00	19.37 0.84 0.00	35.47 1.42 0.00	52.44 1.90 0.00	70.40 2.41 0.00	64.82 2.18 0.00	58.41 1.99 0.00	47.02 1.56 0.00	42.18 1.36 0.00
ST_LAW_115_BK7_LBMP 345037	45.25 0.31 0.00	39.49 0.27 0.00	49.17 0.27 0.00	51.07 0.30 0.00	60.67 0.55 0.00	48.56 0.36 0.00	50.64 0.31 0.00	44.93 0.42 0.00	42.47 0.53 0.00	39.95 0.56 0.00	36.11 0.55 0.00	36.21 0.55 0.00	32.89 0.47 0.00	26.85 0.35 0.00	21.76 0.23 0.00	18.68 0.15 0.00	34.29 0.24 0.00	51.10 0.55 0.00	68.90 0.91 0.00	63.58 0.95 0.00	57.26 0.84 0.00	46.05 0.59 0.00	41.44 0.63 0.00

ST_LAW_115_BK8_LBMP 345038	45.25 0.31 0.00	39.49 0.27 0.00	49.17 0.27 0.00	51.07 0.30 0.00	60.67 0.55 0.00	48.56 0.36 0.00	50.64 0.31 0.00	44.93 0.42 0.00	42.47 0.53 0.00	39.95 0.56 0.00	36.11 0.55 0.00	36.21 0.55 0.00	32.89 0.47 0.00	26.85 0.35 0.00	21.76 0.23 0.00	18.68 0.15 0.00	34.29 0.24 0.00	51.10 0.55 0.00	68.90 0.91 0.00	63.58 0.95 0.00	57.26 0.84 0.00	46.05 0.59 0.00	41.44 0.63 0.00
ST_LAW_230_BK5_LBMP 345035	45.16 0.21 0.00	39.41 0.19 0.00	49.07 0.17 0.00	50.99 0.22 0.00	60.56 0.44 0.00	48.47 0.27 0.00	50.54 0.21 0.00	44.84 0.33 0.00	42.37 0.43 0.00	39.84 0.45 0.00	36.03 0.46 0.00	36.13 0.47 0.00	32.82 0.40 0.00	26.80 0.30 0.00	21.71 0.20 0.00	18.65 0.12 0.00	34.23 0.19 0.00	51.00 0.46 0.00	68.76 0.77 0.00	63.43 0.79 0.00	57.12 0.70 0.00	45.94 0.48 0.00	41.34 0.52 0.00
ST_LAW_230_BK6_LBMP 345036	45.16 0.21 0.00	39.41 0.19 0.00	49.07 0.17 0.00	50.99 0.22 0.00	60.56 0.44 0.00	48.47 0.27 0.00	50.54 0.21 0.00	44.84 0.33 0.00	42.37 0.43 0.00	39.84 0.45 0.00	36.03 0.46 0.00	36.13 0.47 0.00	32.82 0.40 0.00	26.80 0.30 0.00	21.71 0.20 0.00	18.65 0.12 0.00	34.23 0.19 0.00	51.00 0.46 0.00	68.76 0.77 0.00	63.43 0.79 0.00	57.12 0.70 0.00	45.94 0.48 0.00	41.34 0.52 0.00
SUGRLOAF_69_KV_LOAD_REV_LBMP_G 345026	46.11 1.16 0.00	40.24 1.02 0.00	50.24 1.34 0.00	52.08 1.31 0.00	61.51 1.39 0.00	49.53 1.33 0.00	51.80 1.47 0.00	45.75 1.24 0.00	43.05 1.10 0.00	40.46 1.06 0.00	36.35 0.78 0.00	36.56 0.91 0.00	33.29 0.87 0.00	27.29 0.79 0.00	22.26 0.74 0.00	19.21 0.68 0.00	35.15 1.10 0.00	52.02 1.47 0.00	69.77 1.79 0.00	64.31 1.67 0.00	57.89 1.47 0.00	46.63 1.17 0.00	41.88 1.06 0.00
SWANROAD_115KV_TB1 355699	41.66 -3.30 0.00	36.22 -3.00 0.00	45.28 -3.62 0.00	46.99 -3.78 0.00	55.43 -4.70 0.00	43.38 -4.81 0.00	44.54 -5.80 0.00	39.40 -5.11 0.00	33.74 -4.53 3.68	28.74 -4.51 6.15	26.13 -3.74 5.70	26.23 -3.73 5.70	23.33 -3.74 5.35	18.78 -3.14 4.58	14.92 -2.49 4.12	12.60 -2.16 3.76	25.41 -3.99 4.65	35.86 -5.89 8.79	48.96 -7.80 11.23	45.19 -7.12 10.32	39.98 -6.82 9.62	32.00 -5.31 8.16	29.00 -4.48 7.34
SYNERGY___BIOGAS 323694	43.72 -1.23 0.00	38.02 -1.19 0.00	47.55 -1.35 0.00	49.30 -1.47 0.00	58.26 -1.86 0.00	45.81 -2.39 0.00	47.29 -3.04 0.00	41.82 -2.69 0.00	36.78 -2.54 2.62	32.30 -2.71 4.38	29.54 -1.96 4.07	29.82 -1.77 4.07	26.05 -2.56 3.82	21.00 -2.23 3.27	16.78 -1.80 2.94	14.32 -1.53 2.69	28.40 -2.33 3.32	41.38 -2.89 6.27	56.36 -3.61 8.01	51.90 -3.36 7.37	46.06 -3.49 6.87	36.89 -2.75 5.82	33.22 -2.36 5.24
SYRACUSE___ENERGY_ST1 323597	44.05 -0.90 0.00	38.42 -0.80 0.00	47.92 -0.98 0.00	49.75 -1.02 0.00	58.92 -1.21 0.00	47.11 -1.09 0.00	49.07 -1.26 0.00	43.30 -1.21 0.00	40.91 -1.03 0.00	38.36 -1.04 0.00	34.65 -0.91 0.00	34.71 -0.94 0.00	31.48 -0.94 0.00	25.61 -0.89 0.00	20.82 -0.70 0.00	17.95 -0.58 0.00	33.15 -0.89 0.00	49.46 -1.09 0.00	66.58 -1.40 0.00	61.24 -1.39 0.00	55.04 -1.38 0.00	44.34 -1.13 0.00	39.76 -1.06 0.00
SYRACUSE___ENERGY_ST2 323598	44.05 -0.90 0.00	38.42 -0.80 0.00	47.92 -0.98 0.00	49.75 -1.02 0.00	58.92 -1.21 0.00	47.11 -1.09 0.00	49.07 -1.26 0.00	43.30 -1.21 0.00	40.91 -1.03 0.00	38.36 -1.04 0.00	34.65 -0.91 0.00	34.71 -0.94 0.00	31.48 -0.94 0.00	25.61 -0.89 0.00	20.82 -0.70 0.00	17.95 -0.58 0.00	33.15 -0.89 0.00	49.46 -1.09 0.00	66.58 -1.40 0.00	61.24 -1.39 0.00	55.04 -1.38 0.00	44.34 -1.13 0.00	39.76 -1.06 0.00
SYRACUSE___POWER 24017	44.04 -0.91 0.00	38.40 -0.82 0.00	47.93 -0.98 0.00	49.75 -1.02 0.00	58.92 -1.21 0.00	47.09 -1.11 0.00	49.06 -1.27 0.00	43.31 -1.20 0.00	40.88 -1.06 0.00	38.34 -1.05 0.00	34.66 -0.91 0.00	34.70 -0.95 0.00	31.49 -0.93 0.00	25.63 -0.87 0.00	20.82 -0.69 0.00	17.96 -0.57 0.00	33.13 -0.91 0.00	49.45 -1.09 0.00	66.58 -1.40 0.00	61.25 -1.38 0.00	55.03 -1.39 0.00	44.32 -1.15 0.00	39.73 -1.09 0.00
TALLMAN___138KV_BK151 55660	46.15 1.20 0.00	40.28 1.06 0.00	50.30 1.40 0.00	52.13 1.36 0.00	61.55 1.42 0.00	49.57 1.38 0.00	51.86 1.53 0.00	45.80 1.29 0.00	43.11 1.16 0.00	40.54 1.15 0.00	36.38 0.81 0.00	36.58 0.93 0.00	33.36 0.94 0.00	27.32 0.82 0.00	22.31 0.79 0.00	19.27 0.74 0.00	35.23 1.18 0.00	52.12 1.58 0.00	69.86 1.88 0.00	64.39 1.76 0.00	57.96 1.54 0.00	46.71 1.25 0.00	41.96 1.14 0.00
TEALLAVE_115KV_TB7 355573	43.74 -1.21 0.00	38.15 -1.07 0.00	47.61 -1.29 0.00	49.41 -1.36 0.00	58.50 -1.62 0.00	46.76 -1.43 0.00	48.72 -1.61 0.00	43.02 -1.49 0.00	40.62 -1.33 0.00	38.11 -1.29 0.00	34.45 -1.12 0.00	34.48 -1.18 0.00	31.30 -1.12 0.00	25.50 -1.00 0.00	20.72 -0.81 0.00	17.87 -0.66 0.00	32.94 -1.11 0.00	49.07 -1.48 0.00	66.05 -1.94 0.00	60.80 -1.83 0.00	54.61 -1.81 0.00	44.01 -1.46 0.00	39.47 -1.35 0.00
TELGRAPH_34_KV_EAST 80808	42.69 -2.26 0.00	37.14 -2.08 0.00	46.46 -2.45 0.00	48.17 -2.60 0.00	56.89 -3.23 0.00	44.63 -3.57 0.00	45.96 -4.37 0.00	40.62 -3.88 0.00	35.10 -3.46 3.39	30.20 -3.54 5.66	27.48 -2.84 5.25	27.82 -2.59 5.24	24.45 -3.06 4.92	19.67 -2.62 4.21	15.66 -2.07 3.79	13.28 -1.78 3.46	26.66 -3.11 4.27	38.07 -4.38 8.09	51.96 -5.70 10.33	47.93 -5.20 9.50	42.44 -5.12 8.86	33.95 -4.01 7.51	30.66 -3.41 6.75
TEMPLE___115KV_TB 2 55572	43.76 -1.19 0.00	38.17 -1.05 0.00	47.63 -1.27 0.00	49.43 -1.34 0.00	58.52 -1.60 0.00	46.78 -1.42 0.00	48.73 -1.61 0.00	43.02 -1.48 0.00	40.63 -1.32 0.00	38.12 -1.28 0.00	34.45 -1.12 0.00	34.50 -1.16 0.00	31.31 -1.11 0.00	25.51 -0.99 0.00	20.72 -0.80 0.00	17.87 -0.66 0.00	32.95 -1.09 0.00	49.10 -1.45 0.00	66.08 -1.90 0.00	60.81 -1.83 0.00	54.63 -1.79 0.00	44.02 -1.45 0.00	39.48 -1.34 0.00
TIANA____69_KV_BK 1 55817	47.02 2.07 0.00	40.93 1.71 0.00	51.23 2.32 0.00	53.05 2.29 0.00	62.71 2.58 0.00	50.65 2.45 0.00	52.41 2.08 0.00	46.46 1.95 0.00	43.81 1.87 0.00	41.37 1.97 0.00	36.99 1.42 0.00	36.98 1.33 0.00	33.62 1.20 0.00	27.40 0.90 0.00	22.52 1.00 0.00	19.69 1.17 0.00	36.18 2.13 0.00	53.54 2.99 0.00	70.17 2.19 0.00	64.94 2.31 0.00	59.39 2.97 0.00	47.77 2.30 0.00	43.21 2.39 0.00
TILDEN___115KV_TB1 80814	44.04 -0.91 0.00	38.40 -0.82 0.00	47.93 -0.98 0.00	49.75 -1.02 0.00	58.92 -1.21 0.00	47.09 -1.11 0.00	49.06 -1.27 0.00	43.31 -1.20 0.00	40.88 -1.06 0.00	38.34 -1.05 0.00	34.66 -0.91 0.00	34.70 -0.95 0.00	31.49 -0.93 0.00	25.63 -0.87 0.00	20.82 -0.69 0.00	17.96 -0.57 0.00	33.13 -0.91 0.00	49.45 -1.09 0.00	66.58 -1.40 0.00	61.25 -1.38 0.00	55.03 -1.39 0.00	44.32 -1.15 0.00	39.73 -1.09 0.00

TRIGEN___CC 323695	46.99 2.04 0.00	40.97 1.76 0.00	51.08 2.18 0.00	52.90 2.13 0.00	62.46 2.33 0.00	50.44 2.24 0.00	52.66 2.33 0.00	46.50 1.99 0.00	43.74 1.80 0.00	41.25 1.86 0.00	36.92 1.35 0.00	37.14 1.48 0.00	33.87 1.45 0.00	27.67 1.17 0.00	22.67 1.15 0.00	19.63 1.10 0.00	35.93 1.88 0.00	53.04 2.49 0.00	70.65 2.67 0.00	65.27 2.63 0.00	58.99 2.57 0.00	47.57 2.10 0.00	42.77 1.95 0.00
TRINITY__115KV__4 BK 55933	46.54 1.59 0.00	40.59 1.38 0.00	50.70 1.80 0.00	52.63 1.86 0.00	62.16 2.04 0.00	49.90 1.70 0.00	52.28 1.95 0.00	46.16 1.66 0.00	43.33 1.39 0.00	40.73 1.33 0.00	36.74 1.17 0.00	36.88 1.23 0.00	33.61 1.18 0.00	27.56 1.06 0.00	22.40 0.88 0.00	19.31 0.77 0.00	35.47 1.42 0.00	52.34 1.79 0.00	70.21 2.22 0.00	64.63 1.99 0.00	58.31 1.89 0.00	46.98 1.51 0.00	42.18 1.36 0.00
UNION___PROCESSING_DRP 323587	43.25 -1.70 0.00	37.68 -1.54 0.00	47.08 -1.83 0.00	48.81 -1.96 0.00	57.72 -2.40 0.00	45.66 -2.54 0.00	47.30 -3.04 0.00	41.77 -2.73 0.00	39.55 -2.39 0.00	37.02 -2.38 0.00	33.66 -1.91 0.00	33.53 -2.13 0.00	30.32 -2.10 0.00	24.71 -1.79 0.00	20.11 -1.41 0.00	17.33 -1.20 0.00	31.98 -2.07 0.00	47.65 -2.90 0.00	64.25 -3.73 0.00	59.18 -3.45 0.00	52.96 -3.46 0.00	42.73 -2.74 0.00	38.47 -2.35 0.00
UPPER HUDSON___HYD 24058	48.27 3.32 0.00	42.18 2.96 0.00	52.83 3.93 0.00	54.71 3.94 0.00	64.67 4.55 0.00	51.91 3.71 0.00	54.55 4.22 0.00	48.15 3.64 0.00	45.03 3.08 0.00	42.04 2.65 0.00	38.07 2.50 0.00	38.08 2.42 0.00	34.68 2.26 0.00	28.46 1.96 0.00	23.19 1.67 0.00	19.82 1.29 0.00	36.52 2.48 0.00	54.18 3.63 0.00	72.64 4.65 0.00	66.80 4.17 0.00	60.29 3.88 0.00	48.42 2.96 0.00	43.42 2.60 0.00
UPPER RAQUET___HYD 24056	45.60 0.65 0.00	39.78 0.56 0.00	49.49 0.59 0.00	51.14 0.38 0.00	60.64 0.51 0.00	48.59 0.39 0.00	50.72 0.39 0.00	45.02 0.51 0.00	42.54 0.59 0.00	40.19 0.79 0.00	36.30 0.73 0.00	36.30 0.64 0.00	32.87 0.44 0.00	26.76 0.26 0.00	21.64 0.11 0.00	18.54 0.01 0.00	34.06 0.01 0.00	51.18 0.63 0.00	69.19 1.21 0.00	63.92 1.29 0.00	57.80 1.38 0.00	46.76 1.29 0.00	41.94 1.12 0.00
VALLEY44_115KV_TB2 355964	44.23 -0.72 0.00	38.54 -0.68 0.00	48.44 -0.46 0.00	50.10 -0.67 0.00	59.28 -0.85 0.00	46.41 -1.78 0.00	47.79 -2.54 0.00	42.18 -2.33 0.00	39.84 -2.11 0.00	36.95 -2.45 0.00	33.67 -1.90 0.00	33.84 -1.82 0.00	30.58 -1.84 0.00	24.97 -1.53 0.00	20.38 -1.14 0.00	17.52 -1.01 0.00	32.20 -1.84 0.00	47.74 -2.80 0.00	64.51 -3.47 0.00	59.46 -3.18 0.00	53.08 -3.34 0.00	42.96 -2.51 0.00	38.67 -2.15 0.00
VALLEY___115KV_TB 1-4 80826	45.33 0.38 0.00	39.49 0.27 0.00	49.31 0.41 0.00	51.23 0.46 0.00	60.61 0.48 0.00	49.01 0.81 0.00	51.39 1.06 0.00	45.41 0.91 0.00	42.37 0.42 0.00	39.62 0.23 0.00	35.68 0.11 0.00	35.71 0.05 0.00	32.50 0.08 0.00	26.59 0.08 0.00	21.51 -0.01 0.00	18.45 -0.08 0.00	34.27 0.22 0.00	51.25 0.70 0.00	68.95 0.97 0.00	63.31 0.68 0.00	57.31 0.89 0.00	46.19 0.72 0.00	41.38 0.57 0.00
VINEGAR_115_KV_917_CH_LD_REV_LBMP_E 345011	47.34 2.39 0.00	41.32 2.10 0.00	51.56 2.66 0.00	53.54 2.77 0.00	63.42 3.29 0.00	50.87 2.67 0.00	53.17 2.84 0.00	47.04 2.53 0.00	44.27 2.33 0.00	41.54 2.15 0.00	37.46 1.90 0.00	37.49 1.83 0.00	34.02 1.59 0.00	27.83 1.33 0.00	22.49 0.97 0.00	19.39 0.86 0.00	35.67 1.62 0.00	52.98 2.44 0.00	71.24 3.26 0.00	65.59 2.96 0.00	58.95 2.54 0.00	47.40 1.94 0.00	42.44 1.63 0.00
VISCHER___FERRY HYD 24020	46.64 1.69 0.00	40.70 1.48 0.00	50.84 1.94 0.00	52.75 1.98 0.00	62.30 2.18 0.00	50.01 1.81 0.00	52.46 2.13 0.00	46.32 1.81 0.00	43.38 1.44 0.00	40.76 1.36 0.00	36.74 1.17 0.00	36.87 1.22 0.00	33.62 1.20 0.00	27.58 1.08 0.00	22.45 0.92 0.00	19.34 0.81 0.00	35.56 1.52 0.00	52.46 1.91 0.00	70.38 2.39 0.00	64.78 2.14 0.00	58.46 2.04 0.00	47.08 1.61 0.00	42.25 1.44 0.00
V_A_10_SYNC_DSASP 323832	42.34 -2.61 0.00	36.88 -2.34 0.00	46.13 -2.77 0.00	47.80 -2.97 0.00	56.49 -3.63 0.00	44.40 -3.80 0.00	45.79 -4.54 0.00	40.50 -4.00 0.00	35.89 -3.47 2.59	31.68 -3.39 4.32	28.76 -2.80 4.01	28.78 -2.87 4.01	25.85 -2.81 3.76	20.92 -2.37 3.22	16.73 -1.89 2.89	14.24 -1.64 2.65	27.78 -3.01 3.27	39.93 -4.43 6.18	54.24 -5.85 7.90	49.96 -5.41 7.26	44.43 -5.23 6.77	35.70 -4.03 5.74	32.25 -3.40 5.16
V_CMM_10_SYNC_DSASP 323787	45.47 0.52 0.00	39.68 0.46 0.00	49.40 0.50 0.00	51.32 0.55 0.00	60.96 0.84 0.00	48.79 0.59 0.00	50.87 0.54 0.00	45.15 0.64 0.00	42.67 0.72 0.00	40.14 0.74 0.00	36.29 0.72 0.00	36.39 0.73 0.00	33.05 0.63 0.00	26.98 0.48 0.00	21.86 0.34 0.00	18.77 0.24 0.00	34.45 0.40 0.00	51.34 0.80 0.00	69.22 1.24 0.00	63.87 1.24 0.00	57.51 1.10 0.00	46.27 0.81 0.00	41.63 0.81 0.00
V_CMP_10_SYNC_DSASP 323788	44.54 -0.41 0.00	39.03 -0.18 0.00	48.91 0.01 0.00	51.01 0.24 0.00	61.04 0.91 0.00	48.78 0.58 0.00	51.04 0.71 0.00	45.28 0.78 0.00	42.56 0.61 0.00	39.85 0.45 0.00	36.15 0.58 0.00	36.52 0.86 0.00	33.49 1.07 0.00	27.46 0.96 0.00	22.05 0.53 0.00	18.67 0.14 0.00	34.27 0.23 0.00	52.20 1.65 0.00	70.83 2.85 0.00	65.08 2.45 0.00	58.67 2.25 0.00	46.71 1.24 0.00	42.45 1.64 0.00
V_D_10_SYNC_DSASP 323841	45.87 0.92 0.00	40.03 0.81 0.00	49.83 0.93 0.00	51.71 0.94 0.00	61.41 1.29 0.00	49.16 0.96 0.00	51.27 0.93 0.00	45.50 0.99 0.00	42.99 1.05 0.00	40.47 1.08 0.00	36.58 1.01 0.00	36.66 1.01 0.00	33.27 0.85 0.00	27.15 0.65 0.00	21.98 0.46 0.00	18.87 0.34 0.00	34.66 0.62 0.00	51.74 1.19 0.00	69.78 1.79 0.00	64.41 1.77 0.00	58.02 1.61 0.00	46.71 1.24 0.00	42.00 1.19 0.00
V_E_10_SYNC_DSASP 323830	45.87 0.92 0.00	40.31 1.08 0.00	50.70 1.80 0.00	54.27 3.49 0.00	64.46 4.33 0.00	51.34 3.14 0.00	53.36 3.02 0.00	47.19 2.68 0.00	44.84 2.05 -0.85	42.31 1.50 -1.41	38.46 1.58 -1.31	37.85 0.89 -1.31	34.07 0.42 -1.23	27.70 0.15 -1.05	22.16 -0.31 -0.95	19.26 -0.13 -0.87	35.95 0.83 -1.07	55.47 2.90 -2.02	75.66 5.09 -2.58	70.08 5.07 -2.37	62.78 4.15 -2.21	50.05 2.71 -1.88	44.29 1.78 -1.69
V_F_30_NSYNC___DSASP 323816	47.33 2.38 0.00	41.29 2.07 0.00	51.62 2.72 0.00	53.52 2.75 0.00	63.26 3.14 0.00	50.79 2.60 0.00	53.26 2.93 0.00	47.02 2.52 0.00	44.05 2.11 0.00	41.31 1.92 0.00	37.34 1.78 0.00	37.40 1.75 0.00	34.06 1.64 0.00	27.93 1.43 0.00	22.74 1.22 0.00	19.56 1.03 0.00	36.04 2.00 0.00	53.43 2.88 0.00	71.71 3.72 0.00	65.94 3.30 0.00	59.45 3.03 0.00	47.82 2.35 0.00	42.86 2.04 0.00

V_F_30_SYNC_DSASP 323786	46.67 1.72 0.00	40.72 1.50 0.00	50.84 1.94 0.00	52.79 2.02 0.00	62.35 2.23 0.00	50.07 1.87 0.00	52.43 2.10 0.00	46.31 1.80 0.00	43.48 1.53 0.00	40.86 1.46 0.00	36.86 1.29 0.00	37.02 1.37 0.00	33.72 1.30 0.00	27.66 1.16 0.00	22.47 0.94 0.00	19.35 0.82 0.00	35.59 1.54 0.00	52.55 2.00 0.00	70.53 2.54 0.00	64.91 2.28 0.00	58.53 2.11 0.00	47.15 1.68 0.00	42.31 1.49 0.00
V_XM_10_SYNC_DSASP 323789	44.54 -0.41 0.00	39.03 -0.18 0.00	48.91 0.01 0.00	51.01 0.24 0.00	61.04 0.91 0.00	48.78 0.58 0.00	51.04 0.71 0.00	45.28 0.78 0.00	42.56 0.61 0.00	39.85 0.45 0.00	36.15 0.58 0.00	36.52 0.86 0.00	33.49 1.07 0.00	27.46 0.96 0.00	22.05 0.53 0.00	18.67 0.14 0.00	34.27 0.23 0.00	52.20 1.65 0.00	70.83 2.85 0.00	65.08 2.45 0.00	58.67 2.25 0.00	46.71 1.24 0.00	42.45 1.64 0.00
W.NYACK_69_KV_BK 521_REV_LBMP_G 345027	46.42 1.47 0.00	40.51 1.29 0.00	50.57 1.67 0.00	52.42 1.66 0.00	61.89 1.77 0.00	49.85 1.65 0.00	52.15 1.81 0.00	46.06 1.55 0.00	43.34 1.40 0.00	40.76 1.37 0.00	36.59 1.02 0.00	36.80 1.15 0.00	33.54 1.12 0.00	27.48 0.98 0.00	22.42 0.90 0.00	19.36 0.83 0.00	35.40 1.35 0.00	52.36 1.82 0.00	70.19 2.20 0.00	64.69 2.05 0.00	58.22 1.81 0.00	46.91 1.45 0.00	42.14 1.33 0.00
W49TH_ST_138_KV_38M43_REV_LBMP_J 345008	46.57 1.62 0.00	40.66 1.44 0.00	50.73 1.83 0.00	52.60 1.83 0.00	62.09 1.97 0.00	50.17 1.98 0.00	52.52 2.19 0.00	46.33 1.83 0.00	43.62 1.67 0.00	41.08 1.69 0.00	36.84 1.27 0.00	37.12 1.47 0.00	33.85 1.43 0.00	27.72 1.22 0.00	22.63 1.11 0.00	19.54 1.01 0.00	35.71 1.66 0.00	52.65 2.10 0.00	70.55 2.56 0.00	64.95 2.31 0.00	58.53 2.12 0.00	47.14 1.68 0.00	42.32 1.51 0.00
W50THST__13_KV_LOAD 356117	46.74 1.79 0.00	40.79 1.57 0.00	50.87 1.97 0.00	52.75 1.98 0.00	62.28 2.15 0.00	50.33 2.13 0.00	52.68 2.35 0.00	46.49 1.98 0.00	43.76 1.81 0.00	41.24 1.84 0.00	36.98 1.42 0.00	37.26 1.61 0.00	33.99 1.57 0.00	27.84 1.34 0.00	22.73 1.21 0.00	19.62 1.09 0.00	35.86 1.81 0.00	52.82 2.28 0.00	70.75 2.77 0.00	65.14 2.50 0.00	58.69 2.28 0.00	47.27 1.80 0.00	42.44 1.62 0.00
WADING RIVER_IC_1 23522	46.87 1.92 0.00	40.81 1.59 0.00	51.13 2.23 0.00	52.93 2.16 0.00	62.57 2.44 0.00	50.50 2.30 0.00	52.09 1.76 0.00	46.25 1.74 0.00	43.71 1.76 0.00	41.36 1.96 0.00	36.94 1.37 0.00	36.93 1.28 0.00	33.61 1.19 0.00	27.38 0.88 0.00	22.51 0.99 0.00	19.71 1.18 0.00	36.18 2.13 0.00	53.48 2.94 0.00	69.79 1.81 0.00	64.63 1.99 0.00	59.23 2.81 0.00	47.59 2.13 0.00	43.07 2.25 0.00
WADING RIVER_IC_2 23547	46.87 1.92 0.00	40.81 1.59 0.00	51.13 2.23 0.00	52.93 2.16 0.00	62.57 2.44 0.00	50.50 2.30 0.00	52.09 1.76 0.00	46.25 1.74 0.00	43.71 1.76 0.00	41.36 1.96 0.00	36.94 1.37 0.00	36.93 1.28 0.00	33.61 1.19 0.00	27.38 0.88 0.00	22.51 0.99 0.00	19.71 1.18 0.00	36.18 2.13 0.00	53.48 2.94 0.00	69.79 1.81 0.00	64.63 1.99 0.00	59.23 2.81 0.00	47.59 2.13 0.00	43.07 2.25 0.00
WADING RIVER_IC_3 23601	46.87 1.92 0.00	40.81 1.59 0.00	51.13 2.23 0.00	52.93 2.16 0.00	62.57 2.44 0.00	50.50 2.30 0.00	52.09 1.76 0.00	46.25 1.74 0.00	43.71 1.76 0.00	41.36 1.96 0.00	36.94 1.37 0.00	36.93 1.28 0.00	33.61 1.19 0.00	27.38 0.88 0.00	22.51 0.99 0.00	19.71 1.18 0.00	36.18 2.13 0.00	53.48 2.94 0.00	69.79 1.81 0.00	64.63 1.99 0.00	59.23 2.81 0.00	47.59 2.13 0.00	43.07 2.25 0.00
WALDENNY_12_KV_BK2 80841	43.18 -1.77 0.00	37.57 -1.65 0.00	47.07 -1.83 0.00	48.76 -2.01 0.00	57.59 -2.53 0.00	45.13 -3.06 0.00	46.41 -3.92 0.00	40.99 -3.52 0.00	36.08 -3.00 2.86	31.47 -3.15 4.78	28.61 -2.52 4.44	28.68 -2.54 4.44	25.68 -2.58 4.17	20.74 -2.20 3.57	16.62 -1.69 3.21	14.13 -1.47 2.93	27.75 -2.68 3.62	39.76 -3.94 6.84	54.16 -5.08 8.75	49.94 -4.64 8.05	44.30 -4.61 7.50	35.49 -3.61 6.36	32.05 -3.04 5.72
WALDEN__HYDRO 24148	46.43 1.48 0.00	40.51 1.29 0.00	50.56 1.66 0.00	52.42 1.65 0.00	61.92 1.80 0.00	49.88 1.68 0.00	52.18 1.85 0.00	46.08 1.57 0.00	43.34 1.39 0.00	40.72 1.33 0.00	36.61 1.04 0.00	36.85 1.20 0.00	33.47 1.05 0.00	27.47 0.97 0.00	22.40 0.88 0.00	19.32 0.79 0.00	35.39 1.34 0.00	52.38 1.84 0.00	70.33 2.35 0.00	64.79 2.16 0.00	58.34 1.92 0.00	46.97 1.50 0.00	42.16 1.34 0.00
WARRENSBURG____ 23737	48.27 3.32 0.00	42.18 2.95 0.00	52.83 3.93 0.00	54.71 3.94 0.00	64.67 4.54 0.00	51.91 3.71 0.00	54.55 4.22 0.00	48.15 3.64 0.00	45.03 3.08 0.00	42.04 2.65 0.00	38.07 2.50 0.00	38.08 2.43 0.00	34.68 2.26 0.00	28.46 1.96 0.00	23.19 1.67 0.00	19.81 1.28 0.00	36.52 2.48 0.00	54.18 3.64 0.00	72.65 4.66 0.00	66.80 4.17 0.00	60.29 3.88 0.00	48.42 2.96 0.00	43.42 2.60 0.00
WATERSIDE____6 8 9 23538	44.05 1.76 2.65	37.02 1.62 3.82	49.36 1.99 1.54	51.62 2.01 1.16	62.20 2.10 0.01	48.49 2.13 1.84	51.40 2.35 1.28	43.78 1.99 2.71	40.65 1.83 3.12	37.47 1.84 3.78	32.78 1.47 4.26	33.06 1.70 4.29	29.20 1.64 4.86	21.78 1.40 6.12	15.60 1.25 7.18	11.58 1.13 8.08	31.09 1.87 4.84	51.37 2.30 1.48	70.80 2.81 0.00	65.19 2.55 0.00	58.10 2.36 0.68	44.78 1.85 2.53	38.63 1.67 3.86
WATKINRD_115KV_LN8_ILLION 55919	45.37 0.42 0.00	39.56 0.34 0.00	49.38 0.48 0.00	51.26 0.49 0.00	60.65 0.53 0.00	48.90 0.70 0.00	51.21 0.88 0.00	45.25 0.75 0.00	42.34 0.40 0.00	39.66 0.27 0.00	35.77 0.20 0.00	35.80 0.15 0.00	32.59 0.17 0.00	26.68 0.18 0.00	21.62 0.10 0.00	18.57 0.05 0.00	34.36 0.31 0.00	51.21 0.66 0.00	68.85 0.87 0.00	63.31 0.68 0.00	57.20 0.78 0.00	46.09 0.62 0.00	41.29 0.47 0.00
WATSON__69_KV_BK 1 55734	47.75 2.80 0.00	41.57 2.35 0.00	51.84 2.94 0.00	53.69 2.92 0.00	63.42 3.29 0.00	51.24 3.05 0.00	53.30 2.97 0.00	47.08 2.57 0.00	44.30 2.36 0.00	41.78 2.39 0.00	37.28 1.71 0.00	37.43 1.77 0.00	34.13 1.70 0.00	27.80 1.30 0.00	22.85 1.33 0.00	19.90 1.37 0.00	36.51 2.47 0.00	54.05 3.50 0.00	71.36 3.37 0.00	66.07 3.44 0.00	60.03 3.61 0.00	48.37 2.91 0.00	43.54 2.72 0.00
WDELAWARE__HYD 323627	47.12 2.17 0.00	41.10 1.89 0.00	51.30 2.40 0.00	53.19 2.42 0.00	62.89 2.77 0.00	50.61 2.42 0.00	52.94 2.61 0.00	46.73 2.23 0.00	43.98 2.03 0.00	41.25 1.85 0.00	37.13 1.56 0.00	37.37 1.72 0.00	33.72 1.29 0.00	27.78 1.28 0.00	22.58 1.06 0.00	19.45 0.92 0.00	35.69 1.65 0.00	52.97 2.42 0.00	71.32 3.33 0.00	65.72 3.08 0.00	59.13 2.71 0.00	47.56 2.10 0.00	42.64 1.83 0.00

WEST BABYLON___IC 23714	47.62 2.67 0.00	41.47 2.25 0.00	51.71 2.81 0.00	53.54 2.77 0.00	63.24 3.12 0.00	51.09 2.89 0.00	53.19 2.86 0.00	46.96 2.45 0.00	44.20 2.25 0.00	41.66 2.27 0.00	37.20 1.63 0.00	37.37 1.72 0.00	34.07 1.65 0.00	27.78 1.28 0.00	22.82 1.30 0.00	19.84 1.31 0.00	36.38 2.34 0.00	53.85 3.31 0.00	71.31 3.32 0.00	66.00 3.36 0.00	59.85 3.44 0.00	48.26 2.79 0.00	43.40 2.59 0.00
WEST CANADA___HYD 24049	45.18 0.23 0.00	39.42 0.20 0.00	49.15 0.25 0.00	50.99 0.21 0.00	60.36 0.23 0.00	48.48 0.29 0.00	50.69 0.36 0.00	44.81 0.30 0.00	42.17 0.23 0.00	39.60 0.20 0.00	35.73 0.16 0.00	35.78 0.12 0.00	32.58 0.16 0.00	26.63 0.13 0.00	21.61 0.09 0.00	18.62 0.09 0.00	34.22 0.17 0.00	50.77 0.22 0.00	68.27 0.28 0.00	62.90 0.27 0.00	56.75 0.34 0.00	45.77 0.30 0.00	41.03 0.21 0.00
WESTERN_NY_WIND 24143	43.67 -1.28 0.00	37.97 -1.25 0.00	47.49 -1.42 0.00	49.22 -1.55 0.00	58.18 -1.95 0.00	45.74 -2.46 0.00	47.21 -3.13 0.00	41.69 -2.82 0.00	36.50 -2.64 2.81	31.85 -2.85 4.70	29.15 -2.06 4.36	29.47 -1.82 4.36	25.69 -2.64 4.09	20.70 -2.30 3.50	16.54 -1.83 3.15	14.09 -1.56 2.88	28.08 -2.42 3.55	40.74 -3.08 6.72	55.56 -3.85 8.58	51.21 -3.53 7.89	45.41 -3.65 7.36	36.34 -2.89 6.24	32.73 -2.48 5.61
WESTOVER___LESR 323668	44.48 -0.47 0.00	38.82 -0.40 0.00	48.54 -0.36 0.00	50.33 -0.43 0.00	59.69 -0.43 0.00	47.58 -0.62 0.00	49.48 -0.85 0.00	43.68 -0.83 0.00	41.19 -0.75 0.00	38.56 -0.83 0.00	34.81 -0.76 0.00	34.88 -0.77 0.00	31.61 -0.82 0.00	25.79 -0.72 0.00	21.00 -0.52 0.00	18.09 -0.44 0.00	33.33 -0.71 0.00	49.73 -0.81 0.00	67.06 -0.93 0.00	61.74 -0.89 0.00	55.47 -0.95 0.00	44.65 -0.82 0.00	39.96 -0.86 0.00
WETHRSFD_WT_PWR 323626	41.27 -3.68 0.00	36.08 -3.14 0.00	45.41 -3.49 0.00	47.34 -3.43 0.00	56.02 -4.10 0.00	43.82 -4.37 0.00	45.11 -5.22 0.00	40.02 -4.49 0.00	11.14 -4.28 26.53	-9.53 -4.59 44.34	-9.88 -4.30 41.14	-9.82 -4.37 41.10	-10.41 -4.25 38.59	-10.07 -3.54 33.03	-11.03 -2.83 29.71	-11.02 -2.40 27.15	-3.46 -4.00 33.51	-17.97 -5.10 63.43	-19.33 -6.43 80.88	-17.61 -5.95 74.29	-18.55 -5.73 69.23	-18.00 -4.76 58.70	-16.33 -4.34 52.80
WHAVSTOR_138KV_BK127 55557	46.16 1.21 0.00	40.29 1.08 0.00	50.32 1.42 0.00	52.15 1.38 0.00	61.57 1.44 0.00	49.60 1.40 0.00	51.89 1.56 0.00	45.83 1.32 0.00	43.11 1.17 0.00	40.56 1.17 0.00	36.40 0.83 0.00	36.62 0.96 0.00	33.38 0.96 0.00	27.35 0.84 0.00	22.33 0.81 0.00	19.29 0.75 0.00	35.25 1.21 0.00	52.12 1.58 0.00	69.87 1.89 0.00	64.39 1.76 0.00	57.97 1.56 0.00	46.71 1.25 0.00	41.97 1.16 0.00
WHAVSTOR_138_KV_BK127_REV_LBMP_G 345015	46.16 1.21 0.00	40.29 1.08 0.00	50.32 1.42 0.00	52.15 1.38 0.00	61.57 1.44 0.00	49.60 1.40 0.00	51.89 1.56 0.00	45.83 1.32 0.00	43.11 1.17 0.00	40.56 1.17 0.00	36.40 0.83 0.00	36.62 0.96 0.00	33.38 0.96 0.00	27.35 0.84 0.00	22.33 0.81 0.00	19.29 0.75 0.00	35.25 1.21 0.00	52.12 1.58 0.00	69.87 1.89 0.00	64.39 1.76 0.00	57.97 1.56 0.00	46.71 1.25 0.00	41.97 1.16 0.00
WHITEHAL_115KV_TB1 80871	48.98 4.03 0.00	42.89 3.67 0.00	53.95 5.05 0.00	55.66 4.90 0.00	65.66 5.53 0.00	52.60 4.41 0.00	55.66 5.33 0.00	48.99 4.49 0.00	45.47 3.53 0.00	42.39 2.99 0.00	38.48 2.91 0.00	38.50 2.84 0.00	35.24 2.82 0.00	28.95 2.45 0.00	23.84 2.32 0.00	20.40 1.87 0.00	37.51 3.47 0.00	55.32 4.78 0.00	73.75 5.76 0.00	67.86 5.23 0.00	61.83 5.42 0.00	49.50 4.04 0.00	44.22 3.40 0.00
WHITEPLN_13_KV_LOAD 356215	47.08 2.13 0.00	41.06 1.84 0.00	51.24 2.34 0.00	53.10 2.33 0.00	62.69 2.56 0.00	50.57 2.37 0.00	52.90 2.57 0.00	46.72 2.21 0.00	43.92 1.98 0.00	41.35 1.96 0.00	37.12 1.55 0.00	37.39 1.73 0.00	34.06 1.63 0.00	27.89 1.39 0.00	22.76 1.24 0.00	19.66 1.13 0.00	35.99 1.94 0.00	53.18 2.63 0.00	71.31 3.32 0.00	65.66 3.03 0.00	59.14 2.72 0.00	47.62 2.15 0.00	42.72 1.90 0.00
WM_FLOYD_69_KV_BK2 356380	47.16 2.21 0.00	41.05 1.83 0.00	51.31 2.40 0.00	53.13 2.36 0.00	62.78 2.66 0.00	50.70 2.50 0.00	52.50 2.17 0.00	46.49 1.99 0.00	43.82 1.88 0.00	41.39 2.00 0.00	36.95 1.38 0.00	37.01 1.35 0.00	33.72 1.29 0.00	27.46 0.95 0.00	22.57 1.05 0.00	19.72 1.20 0.00	36.23 2.18 0.00	53.57 3.02 0.00	70.41 2.43 0.00	65.18 2.54 0.00	59.45 3.03 0.00	47.85 2.39 0.00	43.20 2.38 0.00
WOODARD___115KV_TB2 355635	43.70 -1.25 0.00	38.11 -1.11 0.00	47.55 -1.35 0.00	49.35 -1.42 0.00	58.43 -1.70 0.00	46.71 -1.48 0.00	48.67 -1.66 0.00	42.99 -1.52 0.00	40.61 -1.34 0.00	38.09 -1.30 0.00	34.42 -1.15 0.00	34.47 -1.19 0.00	31.28 -1.14 0.00	25.49 -1.02 0.00	20.71 -0.81 0.00	17.86 -0.67 0.00	32.92 -1.13 0.00	49.04 -1.51 0.00	65.98 -2.00 0.00	60.75 -1.89 0.00	54.59 -1.83 0.00	43.99 -1.48 0.00	39.46 -1.36 0.00
YORK___WARBASSE 23770	60.29 2.11 -13.23	60.18 1.92 -19.04	58.95 2.38 -7.67	58.94 2.40 -5.76	62.65 2.45 -0.07	59.88 2.48 -9.20	59.46 2.73 -6.40	60.37 2.33 -13.54	59.67 2.15 -15.57	60.38 2.14 -18.85	59.07 1.75 -21.75	59.09 1.98 -21.45	58.62 1.90 -24.30	58.62 1.61 -30.52	58.74 1.43 -35.79	60.10 1.27 -40.29	60.32 2.13 -24.14	60.61 2.68 -7.38	71.30 3.32 0.00	65.65 3.02 0.00	62.63 2.80 -3.41	60.31 2.20 -12.64	62.04 1.97 -19.24