

# Day Ahead Market Generator LBMP

--- LBMP \$

--- Marginal Cost of Losses

--- Marginal Cost of Congestion

## Generator Data

02/13/2025

Name	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00
PTID	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST
59TH STREET_GT_1 24138	71.72 4.07 -3.06	68.45 3.33 -13.81	69.56 2.88 -19.41	67.69 3.09 -15.61	55.39 3.53 0.00	60.94 3.88 0.00	75.43 4.87 0.00	88.75 5.96 0.00	91.17 6.13 0.00	89.50 6.07 -0.30	94.48 6.71 -1.79	97.58 6.53 -12.34	81.20 5.49 -9.57	74.80 5.00 -9.58	74.82 4.66 -14.04	70.55 4.97 -7.12	76.41 5.04 -12.01	91.34 6.03 -15.15	98.98 6.09 -21.19	89.31 4.77 -27.77	75.73 5.11 -8.31	69.87 4.80 -6.53	60.47 4.58 0.00	60.39 3.85 -4.53
74TH STREET_GT_1 24260	71.78 4.13 -3.06	68.51 3.39 -13.81	69.61 2.93 -19.41	67.74 3.14 -15.61	55.49 3.63 0.00	61.05 3.99 0.00	75.51 4.94 0.00	88.74 5.96 0.00	91.08 6.04 0.00	89.51 6.07 -0.30	94.39 6.62 -1.79	97.51 6.45 -12.35	81.08 5.36 -9.57	74.74 4.94 -9.58	74.77 4.60 -14.05	70.55 4.97 -7.12	76.42 5.05 -12.01	91.28 5.96 -15.15	98.99 6.09 -21.19	89.32 4.77 -27.78	75.74 5.11 -8.31	69.93 4.86 -6.53	60.53 4.64 0.00	60.45 3.90 -4.53
74TH STREET_GT_2 24261	71.78 4.13 -3.06	68.51 3.39 -13.81	69.61 2.93 -19.41	67.74 3.14 -15.61	55.49 3.63 0.00	61.05 3.99 0.00	75.51 4.94 0.00	88.74 5.96 0.00	91.08 6.04 0.00	89.51 6.07 -0.30	94.39 6.62 -1.79	97.51 6.45 -12.35	81.08 5.36 -9.57	74.74 4.94 -9.58	74.77 4.60 -14.05	70.55 4.97 -7.12	76.42 5.05 -12.01	91.28 5.96 -15.15	98.99 6.09 -21.19	89.32 4.77 -27.78	75.74 5.11 -8.31	69.93 4.86 -6.53	60.53 4.64 0.00	60.45 3.90 -4.53
ADK HUDSON___FALLS 24011	102.91 5.75 -32.57	93.00 4.62 -37.07	85.44 4.30 -33.86	73.07 4.41 -19.67	56.73 4.87 0.00	62.54 5.48 0.00	77.13 6.56 0.00	90.81 8.03 0.00	93.38 8.33 0.00	94.61 8.31 -3.16	113.85 8.77 -19.10	118.42 8.03 -31.68	113.36 6.55 -40.66	83.15 5.96 -16.97	79.37 5.56 -17.69	73.40 5.96 -8.97	80.61 6.11 -15.13	96.61 7.37 -19.09	105.85 7.46 -26.69	109.49 5.90 -46.82	83.12 6.42 -14.39	72.74 5.97 -8.23	61.65 5.76 0.00	62.77 5.05 -5.70
ADK RESOURCE___RCVRY 23798	103.56 6.20 -32.77	93.56 5.03 -37.22	85.90 4.68 -33.95	73.48 4.80 -19.69	57.20 5.34 0.00	63.05 5.99 0.00	77.69 7.12 0.00	91.55 8.77 0.00	94.15 9.10 0.00	95.38 9.06 -3.18	114.83 9.63 -19.22	119.24 8.74 -31.79	114.13 7.15 -40.84	83.74 6.51 -17.01	79.89 6.06 -17.70	73.93 6.49 -8.98	81.15 6.65 -15.14	97.32 8.06 -19.09	106.51 8.10 -26.71	110.14 6.47 -46.90	83.71 6.98 -14.42	73.27 6.50 -8.23	62.15 6.26 0.00	63.23 5.51 -5.71
ADK S GLENS___FALLS 24028	102.91 5.75 -32.57	93.00 4.62 -37.07	85.44 4.30 -33.86	73.07 4.41 -19.67	56.73 4.87 0.00	62.54 5.48 0.00	77.13 6.56 0.00	90.81 8.03 0.00	93.38 8.33 0.00	94.61 8.31 -3.16	113.85 8.77 -19.10	118.42 8.03 -31.68	113.36 6.55 -40.66	83.15 5.96 -16.97	79.37 5.56 -17.69	73.40 5.96 -8.97	80.61 6.11 -15.13	96.61 7.37 -19.09	105.85 7.46 -26.69	109.49 5.90 -46.82	83.12 6.42 -14.39	72.74 5.97 -8.23	61.65 5.76 0.00	62.77 5.05 -5.70
ADK_NYS___DAM 23527	91.75 4.45 -22.71	84.69 3.59 -29.79	80.34 3.26 -29.81	71.29 3.33 -18.97	55.23 3.37 0.00	60.71 3.65 0.00	75.02 4.45 0.00	88.16 5.38 0.00	90.49 5.45 0.00	90.67 5.33 -2.20	104.97 5.67 -13.32	109.97 5.43 -25.83	101.46 4.50 -30.81	79.26 4.10 -14.94	77.02 3.82 -17.08	71.16 4.03 -8.66	78.12 4.15 -14.61	93.57 4.98 -18.43	102.64 5.17 -25.77	102.56 4.09 -41.71	79.47 4.42 -12.73	70.58 4.10 -7.94	59.86 3.97 0.00	60.96 3.43 -5.51
AIR_PRODUCTS___DRP 24190	83.80 2.45 -16.75	79.07 2.00 -25.76	77.05 1.84 -27.94	69.94 1.91 -19.04	53.93 2.07 0.00	59.23 2.17 0.00	73.04 2.47 0.00	85.51 2.73 0.00	88.02 2.98 0.00	87.76 2.99 -1.62	99.07 3.27 -9.83	104.40 3.23 -22.46	93.59 2.65 -24.80	76.69 2.53 -13.94	75.62 2.36 -17.14	69.32 2.16 -8.69	76.22 2.20 -14.66	91.11 2.46 -18.49	100.08 2.51 -25.86	98.08 1.99 -39.33	76.50 2.24 -11.94	68.62 2.11 -7.97	57.96 2.07 0.00	59.57 2.03 -5.53
AKWESSNE_115KV_BK 355683	64.27 -0.32 0.00	50.75 -0.56 0.00	46.75 -0.52 0.00	48.41 -0.59 0.00	51.08 -0.78 0.00	56.32 -0.74 0.00	70.00 -0.56 0.00	82.20 -0.58 0.00	84.28 -0.77 0.00	82.47 -0.67 0.00	84.77 -1.20 0.00	77.45 -1.26 0.00	65.03 -1.12 0.00	59.08 -1.14 0.00	55.00 -1.12 0.00	57.06 -1.40 0.00	55.27 -1.60 2.48	68.33 -1.82 0.00	69.36 -1.94 0.40	55.35 -1.42 0.00	60.69 -1.62 0.00	57.02 -1.52 0.00	54.38 -1.51 0.00	50.82 -1.20 0.00
ALBANY_1_SOLAR 323833	82.94 4.78 -13.57	78.43 3.90 -23.22	77.24 3.64 -26.33	71.27 3.72 -18.55	56.26 4.41 0.00	61.62 4.57 0.00	75.58 5.01 0.00	88.33 5.55 0.00	92.36 7.31 0.00	90.94 6.49 -1.32	100.56 6.62 -7.96	104.98 5.98 -20.29	92.38 4.77 -21.46	77.53 4.28 -13.03	76.88 4.21 -16.55	71.47 4.62 -8.39	76.55 2.79 -14.40	91.62 3.30 -18.17	100.48 3.37 -25.41	96.37 2.67 -36.94	76.54 3.05 -11.17	69.18 2.81 -7.83	58.85 2.96 0.00	60.10 2.65 -5.43
ALBANY_2_SOLAR 323834	82.94 4.78 -13.57	78.43 3.90 -23.22	77.24 3.64 -26.33	71.27 3.72 -18.56	56.21 4.36 0.00	61.62 4.57 0.00	75.58 5.01 0.00	88.33 5.55 0.00	92.36 7.31 0.00	90.94 6.49 -1.31	100.56 6.62 -7.96	104.98 5.98 -20.29	92.38 4.77 -21.46	77.53 4.28 -13.03	76.88 4.21 -16.55	71.47 4.62 -8.39	76.55 2.79 -14.40	91.55 3.23 -18.17	100.48 3.37 -25.41	96.37 2.67 -36.94	76.47 2.99 -11.17	69.18 2.81 -7.83	58.79 2.90 0.00	60.10 2.65 -5.43
ALBANY___1 23571	83.80 2.45 -16.75	79.07 2.00 -25.76	77.05 1.84 -27.94	69.94 1.91 -19.04	53.93 2.07 0.00	59.23 2.17 0.00	73.04 2.47 0.00	85.51 2.73 0.00	88.02 2.98 0.00	87.76 2.99 -1.62	99.07 3.27 -9.83	104.40 3.23 -22.46	93.59 2.65 -24.80	76.69 2.53 -13.94	75.62 2.36 -17.14	69.32 2.16 -8.69	76.22 2.20 -14.66	91.11 2.46 -18.49	100.08 2.51 -25.86	98.08 1.99 -39.33	76.50 2.24 -11.94	68.62 2.11 -7.97	57.96 2.07 0.00	59.57 2.03 -5.53



ALBANY___2 23572	83.80 2.45 -16.75	79.07 2.00 -25.76	77.05 1.84 -27.94	69.94 1.91 -19.04	53.93 2.07 0.00	59.23 2.17 0.00	73.04 2.47 0.00	85.51 2.73 0.00	88.02 2.98 0.00	87.76 2.99 -1.62	99.07 3.27 -9.83	104.40 3.23 -22.46	93.59 2.65 -24.80	76.69 2.53 -13.94	75.62 2.36 -17.14	69.32 2.16 -8.69	76.22 2.20 -14.66	91.11 2.46 -18.49	100.08 2.51 -25.86	98.08 1.99 -39.33	76.50 2.24 -11.94	68.62 2.11 -7.97	57.96 2.07 0.00	59.57 2.03 -5.53
ALBANY___3 23573	83.80 2.45 -16.75	79.07 2.00 -25.76	77.05 1.84 -27.94	69.94 1.91 -19.04	53.93 2.07 0.00	59.23 2.17 0.00	73.04 2.47 0.00	85.51 2.73 0.00	88.02 2.98 0.00	87.76 2.99 -1.62	99.07 3.27 -9.83	104.40 3.23 -22.46	93.59 2.65 -24.80	76.69 2.53 -13.94	75.62 2.36 -17.14	69.32 2.16 -8.69	76.22 2.20 -14.66	91.11 2.46 -18.49	100.08 2.51 -25.86	98.08 1.99 -39.33	76.50 2.24 -11.94	68.62 2.11 -7.97	57.96 2.07 0.00	59.57 2.03 -5.53
ALBANY___4 23574	83.80 2.45 -16.75	79.07 2.00 -25.76	77.05 1.84 -27.94	69.94 1.91 -19.04	53.93 2.07 0.00	59.23 2.17 0.00	73.04 2.47 0.00	85.51 2.73 0.00	88.02 2.98 0.00	87.76 2.99 -1.62	99.07 3.27 -9.83	104.40 3.23 -22.46	93.59 2.65 -24.80	76.69 2.53 -13.94	75.62 2.36 -17.14	69.32 2.16 -8.69	76.22 2.20 -14.66	91.11 2.46 -18.49	100.08 2.51 -25.86	98.08 1.99 -39.33	76.50 2.24 -11.94	68.62 2.11 -7.97	57.96 2.07 0.00	59.57 2.03 -5.53
ALBANY___LFGE 323615	88.89 2.97 -21.33	82.75 2.41 -29.03	79.14 2.22 -29.64	70.51 2.30 -19.22	54.35 2.49 0.00	59.68 2.63 0.00	73.60 3.03 0.00	86.26 3.48 0.00	88.78 3.74 0.00	88.95 3.74 -2.07	102.61 4.13 -12.51	107.90 4.01 -25.18	98.93 3.31 -29.47	78.12 3.07 -14.83	76.28 2.86 -17.30	70.04 2.81 -8.77	76.95 2.79 -14.79	91.98 3.16 -18.66	101.03 3.23 -26.10	100.84 2.56 -41.52	77.84 2.87 -12.66	69.28 2.69 -8.04	58.52 2.63 0.00	60.09 2.50 -5.58
ALCOA_PA_115KV_PL-6C 55860	64.52 -0.06 0.00	50.95 -0.36 0.00	46.94 -0.33 0.00	48.60 -0.39 0.00	51.29 -0.57 0.00	56.49 -0.57 0.00	70.28 -0.28 0.00	82.45 -0.33 0.00	84.45 -0.60 0.00	82.64 -0.50 0.00	85.03 -0.95 0.00	77.68 -1.02 0.00	65.29 -0.86 0.00	59.26 -0.96 0.00	55.22 -0.90 0.00	57.18 -1.29 0.00	55.47 -1.48 2.40	68.48 -1.68 0.00	69.52 -1.79 0.39	55.46 -1.31 0.00	60.75 -1.56 0.00	57.14 -1.41 0.00	54.55 -1.34 0.00	50.97 -1.04 0.00
ALCOA_RYNLDS___DRP 24188	64.52 -0.06 0.00	50.95 -0.36 0.00	46.94 -0.33 0.00	48.60 -0.39 0.00	51.29 -0.57 0.00	56.49 -0.57 0.00	70.28 -0.28 0.00	82.45 -0.33 0.00	84.45 -0.60 0.00	82.64 -0.50 0.00	85.03 -0.95 0.00	77.68 -1.02 0.00	65.29 -0.86 0.00	59.26 -0.96 0.00	55.22 -0.90 0.00	57.18 -1.29 0.00	55.47 -1.48 2.40	68.48 -1.68 0.00	69.52 -1.79 0.39	55.46 -1.31 0.00	60.75 -1.56 0.00	57.14 -1.41 0.00	54.55 -1.34 0.00	50.97 -1.04 0.00
ALCOA___DSASP 323711	64.52 -0.06 0.00	50.95 -0.36 0.00	46.94 -0.33 0.00	48.60 -0.39 0.00	51.29 -0.57 0.00	56.49 -0.57 0.00	70.36 -0.21 0.00	82.45 -0.33 0.00	84.45 -0.59 0.00	82.64 -0.50 0.00	85.03 -0.94 0.00	77.68 -1.03 0.00	65.29 -0.86 0.00	59.26 -0.97 0.00	55.22 -0.90 0.00	57.23 -1.23 0.00	55.48 -1.48 2.40	68.47 -1.68 0.00	69.52 -1.79 0.39	55.46 -1.30 0.00	60.76 -1.56 0.00	57.14 -1.41 0.00	54.55 -1.34 0.00	50.98 -1.04 0.00
ALLEGHENY___COGEN 23514	61.04 -3.55 0.00	51.31 -2.26 -2.25	48.64 -2.17 -3.54	49.79 -2.20 -3.00	49.73 -2.13 0.00	55.12 -1.94 0.00	67.32 -3.24 0.00	78.40 -4.47 -0.09	82.81 -4.51 -2.28	78.92 -5.40 -1.18	92.70 -5.59 -12.30	79.45 -5.11 -5.86	64.14 -4.10 -2.09	62.15 -3.61 -5.53	62.45 -3.26 -9.58	60.42 -2.92 -4.88	65.55 -2.02 -8.20	84.69 -2.18 -16.70	95.43 -1.72 -25.45	85.95 -1.76 -30.94	65.57 -1.81 -5.06	61.05 -1.75 -4.26	56.23 0.34 0.00	53.46 0.57 -0.87
ALTAMONT_115KV_TB 2 55880	79.86 2.39 -12.88	76.35 1.95 -23.09	75.71 1.80 -26.65	69.87 1.86 -19.02	53.93 2.07 0.00	59.23 2.17 0.00	73.11 2.54 0.00	85.76 2.98 0.00	88.02 2.98 0.00	87.38 2.99 -1.25	96.80 3.27 -7.55	102.10 3.15 -20.24	89.67 2.65 -20.88	75.95 2.47 -13.26	75.55 2.30 -17.12	69.54 2.40 -8.68	76.44 2.43 -14.65	91.51 2.88 -18.47	100.48 2.94 -25.84	96.77 2.33 -37.68	76.26 2.55 -11.40	68.85 2.34 -7.96	58.18 2.29 0.00	59.56 2.03 -5.52
ALTONA_WT_PWR 323606	64.07 -0.52 0.00	50.59 -0.72 0.00	46.51 -0.76 0.00	48.16 -0.83 0.00	50.82 -1.04 0.00	55.97 -1.09 0.00	69.22 -1.34 0.00	81.45 -1.33 0.00	83.68 -1.36 0.00	81.98 -1.16 0.00	84.17 -1.81 0.00	76.74 -1.96 0.00	64.30 -1.85 0.00	58.24 -1.99 0.00	53.93 -2.19 0.00	55.60 -2.86 0.00	53.66 -3.21 2.50	66.51 -3.65 0.00	67.57 -3.73 0.41	53.93 -2.84 0.00	59.07 -3.24 0.00	55.50 -3.05 0.00	52.82 -3.07 0.00	49.73 -2.29 0.00
AMERICAN_REF_FUEL 24010	57.16 -7.43 0.00	48.36 -4.98 -2.03	45.92 -4.54 -3.19	46.99 -4.70 -2.70	46.93 -4.93 0.00	52.04 -5.02 0.00	62.45 -8.11 0.00	71.50 -11.26 0.02	72.92 -11.57 0.56	71.79 -11.06 0.29	71.47 -11.52 2.99	70.23 -9.84 -1.37	59.44 -8.47 -1.76	54.01 -6.98 -0.77	50.94 -5.95 -0.77	52.94 -5.90 -0.38	54.13 -5.88 -0.65	61.68 -7.79 0.69	62.31 -7.96 1.43	49.01 -6.53 1.24	56.32 -6.61 -0.61	53.71 -5.21 -0.38	50.52 -5.37 0.00	48.74 -4.06 -0.78
ARKWRIGHT___SUMMIT_WT_PWR 323751	59.29 -5.29 0.00	49.42 -4.11 -2.21	47.01 -3.74 -3.48	47.98 -3.97 -2.95	48.33 -3.53 0.00	53.86 -3.19 0.00	64.99 -5.58 0.00	75.39 -7.37 0.03	76.84 -7.48 0.72	74.87 -7.90 0.37	74.28 -7.82 3.88	73.29 -6.77 -1.35	62.65 -5.42 -1.93	56.21 -4.70 -0.69	52.08 -4.54 -0.50	54.26 -4.45 -0.25	55.51 -4.27 -0.42	63.79 -4.91 1.46	64.54 -4.66 2.50	50.39 -3.92 2.46	58.58 -4.24 -0.51	54.38 -4.45 -0.29	52.65 -3.24 0.00	49.91 -2.96 -0.86
ARTHUR KILL_GT_1 23520	72.05 4.39 -3.07	68.72 3.59 -13.82	69.80 3.12 -19.41	67.94 3.33 -15.61	65.19 4.15 -9.18	66.72 4.51 -5.16	75.51 4.94 -0.01	88.67 5.88 -0.01	90.65 5.61 0.00	89.09 5.66 -0.30	94.04 6.27 -1.79	97.20 6.14 -12.35	80.94 5.22 -9.57	74.56 4.76 -9.58	74.60 4.43 -14.05	70.61 5.03 -7.12	76.36 4.99 -12.01	91.35 6.03 -15.15	139.73 6.17 -61.86	89.37 4.82 -27.77	75.86 5.23 -8.31	70.05 4.92 -6.59	68.96 5.03 -8.03	68.94 4.27 -12.66
ARTHUR_KILL_2 23512	71.85 4.20 -3.07	68.57 3.44 -13.82	69.66 2.98 -19.41	67.79 3.18 -15.61	65.04 3.99 -9.18	66.55 4.33 -5.16	75.30 4.73 -0.01	88.42 5.63 -0.01	90.40 5.36 0.00	88.84 5.40 -0.30	93.79 6.02 -1.79	96.96 5.91 -12.35	80.74 5.02 -9.57	74.38 4.57 -9.58	74.43 4.26 -14.05	70.38 4.79 -7.12	76.12 4.75 -12.01	91.06 5.75 -15.15	139.51 5.95 -61.86	89.20 4.66 -27.77	75.67 5.05 -8.31	69.87 4.74 -6.59	68.73 4.81 -8.03	68.78 4.11 -12.66
ARTHUR_KILL_3 23513	69.85 3.36 -1.90	67.99 2.87 -13.81	69.09 2.41 -19.41	67.25 2.64 -15.61	64.11 3.06 -9.19	65.59 3.37 -5.17	69.85 4.09 4.81	69.85 5.05 17.98	70.60 5.10 19.54	70.60 5.07 17.61	84.45 5.59 7.11	91.31 5.51 -7.10	75.16 4.63 -4.38	69.85 4.28 -5.35	69.85 3.93 -9.80	69.85 4.27 -7.12	70.09 4.33 -6.40	85.21 5.12 -9.93	92.93 5.23 -16.00	83.31 4.09 -22.45	69.85 4.42 -3.11	69.35 4.22 -6.59	68.01 4.08 -8.04	68.01 3.33 -12.66



ARTHUR_KILL_COGEN 323718	72.05 4.39 -3.07	68.72 3.59 -13.82	69.80 3.12 -19.41	67.94 3.33 -15.61	65.19 4.15 -9.18	66.72 4.51 -5.16	75.51 4.94 -0.01	88.67 5.88 -0.01	90.65 5.61 0.00	89.09 5.66 -0.30	94.04 6.27 -1.79	97.20 6.14 -12.35	80.94 5.22 -9.57	74.56 4.76 -9.58	74.60 4.43 -14.05	70.61 5.03 -7.12	76.36 4.99 -12.01	91.35 6.03 -15.15	139.73 6.17 -61.86	89.37 4.82 -27.77	75.86 5.23 -8.31	70.05 4.92 -6.59	68.96 5.03 -8.03	68.94 4.27 -12.66
ASHOKAN____ 23654	75.99 1.62 -9.79	72.47 1.39 -19.77	72.20 1.18 -23.75	67.68 1.27 -17.42	56.16 4.30 0.00	61.56 4.51 0.00	75.93 5.36 0.00	88.00 5.22 0.00	90.74 5.70 0.00	85.91 1.83 -0.95	93.95 2.23 -5.74	98.22 2.13 -17.39	84.98 1.72 -17.11	73.44 1.44 -11.77	73.39 1.63 -15.64	68.32 1.93 -7.93	74.58 1.78 -13.43	89.42 2.31 -16.95	97.63 2.23 -23.70	92.13 1.76 -33.60	74.69 2.24 -10.14	67.72 1.87 -7.31	60.19 4.30 0.00	58.49 1.40 -5.07
ASTORIA_EAST_ENERGY_CC1 323581	72.17 4.52 -3.07	68.87 3.74 -13.82	69.99 3.31 -19.41	68.08 3.48 -15.61	55.60 3.74 -0.01	61.18 4.11 -0.01	75.87 5.30 -0.01	89.08 6.29 -0.01	90.56 5.52 0.01	88.91 5.49 -0.29	93.87 6.11 -1.79	97.02 5.98 -12.34	80.80 5.09 -9.56	74.43 4.64 -9.57	74.48 4.32 -14.04	70.26 4.68 -7.12	76.05 4.69 -12.00	90.92 5.61 -15.14	98.64 5.74 -21.20	89.02 4.48 -27.77	75.48 4.86 -8.31	69.58 4.51 -6.53	60.48 4.58 -0.01	60.40 3.85 -4.54
ASTORIA_EAST_ENERGY_CC2 323582	72.17 4.52 -3.07	68.92 3.80 -13.82	69.99 3.31 -19.41	68.13 3.53 -15.61	55.65 3.78 -0.01	61.18 4.11 -0.01	75.94 5.36 -0.01	89.16 6.37 -0.01	90.56 5.52 0.01	88.91 5.49 -0.29	93.87 6.11 -1.79	97.02 5.98 -12.34	80.80 5.09 -9.56	74.43 4.64 -9.57	74.48 4.32 -14.04	70.26 4.68 -7.12	76.05 4.69 -12.00	90.92 5.61 -15.14	98.64 5.74 -21.20	89.02 4.48 -27.77	75.48 4.86 -8.31	69.58 4.51 -6.53	60.48 4.58 -0.01	60.40 3.85 -4.54
ASTORIA_GT2_1 24094	72.18 4.52 -3.07	68.92 3.80 -13.82	69.99 3.31 -19.41	68.13 3.53 -15.61	55.65 3.79 -0.01	61.17 4.11 -0.01	75.94 5.36 -0.01	89.16 6.37 -0.01	90.57 5.53 0.00	88.92 5.49 -0.30	93.88 6.10 -1.79	97.11 6.06 -12.35	80.75 5.03 -9.57	74.50 4.70 -9.58	74.49 4.32 -14.05	70.32 4.74 -7.12	76.12 4.75 -12.01	91.00 5.68 -15.15	98.71 5.81 -21.20	89.03 4.48 -27.78	75.49 4.86 -8.31	69.76 4.68 -6.53	60.48 4.58 -0.01	60.40 3.85 -4.54
ASTORIA_GT2_2 24095	72.18 4.52 -3.07	68.92 3.80 -13.82	69.99 3.31 -19.41	68.13 3.53 -15.61	55.65 3.79 -0.01	61.17 4.11 -0.01	75.94 5.36 -0.01	89.16 6.37 -0.01	90.57 5.53 0.00	88.92 5.49 -0.30	93.88 6.10 -1.79	97.11 6.06 -12.35	80.75 5.03 -9.57	74.50 4.70 -9.58	74.49 4.32 -14.05	70.32 4.74 -7.12	76.12 4.75 -12.01	91.00 5.68 -15.15	98.71 5.81 -21.20	89.03 4.48 -27.78	75.49 4.86 -8.31	69.76 4.68 -6.53	60.48 4.58 -0.01	60.40 3.85 -4.54
ASTORIA_GT2_3 24096	72.18 4.52 -3.07	68.92 3.80 -13.82	69.99 3.31 -19.41	68.13 3.53 -15.61	55.65 3.79 -0.01	61.17 4.11 -0.01	75.94 5.36 -0.01	89.16 6.37 -0.01	90.57 5.53 0.00	88.92 5.49 -0.30	93.88 6.10 -1.79	97.11 6.06 -12.35	80.75 5.03 -9.57	74.50 4.70 -9.58	74.49 4.32 -14.05	70.32 4.74 -7.12	76.12 4.75 -12.01	91.00 5.68 -15.15	98.71 5.81 -21.20	89.03 4.48 -27.78	75.49 4.86 -8.31	69.76 4.68 -6.53	60.48 4.58 -0.01	60.40 3.85 -4.54
ASTORIA_GT2_4 24097	72.18 4.52 -3.07	68.92 3.80 -13.82	69.99 3.31 -19.41	68.13 3.53 -15.61	55.65 3.79 -0.01	61.17 4.11 -0.01	75.94 5.36 -0.01	89.16 6.37 -0.01	90.57 5.53 0.00	88.92 5.49 -0.30	93.88 6.10 -1.79	97.11 6.06 -12.35	80.75 5.03 -9.57	74.50 4.70 -9.58	74.49 4.32 -14.05	70.32 4.74 -7.12	76.12 4.75 -12.01	91.00 5.68 -15.15	98.71 5.81 -21.20	89.03 4.48 -27.78	75.49 4.86 -8.31	69.76 4.68 -6.53	60.48 4.58 -0.01	60.40 3.85 -4.54
ASTORIA_GT3_1 24098	72.18 4.52 -3.07	68.92 3.80 -13.82	69.99 3.31 -19.41	68.13 3.53 -15.61	55.65 3.79 -0.01	61.17 4.11 -0.01	75.94 5.36 -0.01	89.16 6.37 -0.01	90.57 5.53 0.00	88.92 5.49 -0.30	93.88 6.10 -1.79	97.11 6.06 -12.35	80.75 5.03 -9.57	74.50 4.70 -9.58	74.49 4.32 -14.05	70.32 4.74 -7.12	76.12 4.75 -12.01	91.00 5.68 -15.15	98.71 5.81 -21.20	89.03 4.48 -27.78	75.49 4.86 -8.31	69.76 4.68 -6.53	60.48 4.58 -0.01	60.40 3.85 -4.54
ASTORIA_GT3_2 24099	72.18 4.52 -3.07	68.92 3.80 -13.82	69.99 3.31 -19.41	68.13 3.53 -15.61	55.65 3.79 -0.01	61.17 4.11 -0.01	75.94 5.36 -0.01	89.16 6.37 -0.01	90.57 5.53 0.00	88.92 5.49 -0.30	93.88 6.10 -1.79	97.11 6.06 -12.35	80.75 5.03 -9.57	74.50 4.70 -9.58	74.49 4.32 -14.05	70.32 4.74 -7.12	76.12 4.75 -12.01	91.00 5.68 -15.15	98.71 5.81 -21.20	89.03 4.48 -27.78	75.49 4.86 -8.31	69.76 4.68 -6.53	60.48 4.58 -0.01	60.40 3.85 -4.54
ASTORIA_GT3_3 24100	72.18 4.52 -3.07	68.92 3.80 -13.82	69.99 3.31 -19.41	68.13 3.53 -15.61	55.65 3.79 -0.01	61.17 4.11 -0.01	75.94 5.36 -0.01	89.16 6.37 -0.01	90.57 5.53 0.00	88.92 5.49 -0.30	93.88 6.10 -1.79	97.11 6.06 -12.35	80.75 5.03 -9.57	74.50 4.70 -9.58	74.49 4.32 -14.05	70.32 4.74 -7.12	76.12 4.75 -12.01	91.00 5.68 -15.15	98.71 5.81 -21.20	89.03 4.48 -27.78	75.49 4.86 -8.31	69.76 4.68 -6.53	60.48 4.58 -0.01	60.40 3.85 -4.54
ASTORIA_GT3_4 24101	72.18 4.52 -3.07	68.92 3.80 -13.82	69.99 3.31 -19.41	68.13 3.53 -15.61	55.65 3.79 -0.01	61.17 4.11 -0.01	75.94 5.36 -0.01	89.16 6.37 -0.01	90.57 5.53 0.00	88.92 5.49 -0.30	93.88 6.10 -1.79	97.11 6.06 -12.35	80.75 5.03 -9.57	74.50 4.70 -9.58	74.49 4.32 -14.05	70.32 4.74 -7.12	76.12 4.75 -12.01	91.00 5.68 -15.15	98.71 5.81 -21.20	89.03 4.48 -27.78	75.49 4.86 -8.31	69.76 4.68 -6.53	60.48 4.58 -0.01	60.40 3.85 -4.54
ASTORIA_GT4_1 24102	72.18 4.52 -3.07	68.92 3.80 -13.82	69.99 3.31 -19.41	68.13 3.53 -15.61	55.65 3.79 -0.01	61.17 4.11 -0.01	75.94 5.36 -0.01	89.16 6.37 -0.01	90.57 5.53 0.00	88.92 5.49 -0.30	93.88 6.10 -1.79	97.11 6.06 -12.35	80.75 5.03 -9.57	74.50 4.70 -9.58	74.49 4.32 -14.05	70.32 4.74 -7.12	76.12 4.75 -12.01	91.00 5.68 -15.15	98.71 5.81 -21.20	89.03 4.48 -27.78	75.49 4.86 -8.31	69.76 4.68 -6.53	60.48 4.58 -0.01	60.40 3.85 -4.54
ASTORIA_GT4_2 24103	72.18 4.52 -3.07	68.92 3.80 -13.82	69.99 3.31 -19.41	68.13 3.53 -15.61	55.65 3.79 -0.01	61.17 4.11 -0.01	75.94 5.36 -0.01	89.16 6.37 -0.01	90.57 5.53 0.00	88.92 5.49 -0.30	93.88 6.10 -1.79	97.11 6.06 -12.35	80.75 5.03 -9.57	74.50 4.70 -9.58	74.49 4.32 -14.05	70.32 4.74 -7.12	76.12 4.75 -12.01	91.00 5.68 -15.15	98.71 5.81 -21.20	89.03 4.48 -27.78	75.49 4.86 -8.31	69.76 4.68 -6.53	60.48 4.58 -0.01	60.40 3.85 -4.54
ASTORIA_GT4_3 24104	72.18 4.52 -3.07	68.92 3.80 -13.82	69.99 3.31 -19.41	68.13 3.53 -15.61	55.65 3.79 -0.01	61.17 4.11 -0.01	75.94 5.36 -0.01	89.16 6.37 -0.01	90.57 5.53 0.00	88.92 5.49 -0.30	93.88 6.10 -1.79	97.11 6.06 -12.35	80.75 5.03 -9.57	74.50 4.70 -9.58	74.49 4.32 -14.05	70.32 4.74 -7.12	76.12 4.75 -12.01	91.00 5.68 -15.15	98.71 5.81 -21.20	89.03 4.48 -27.78	75.49 4.86 -8.31	69.76 4.68 -6.53	60.48 4.58 -0.01	60.40 3.85 -4.54



ASTORIA_GT4_4 24105	72.18 4.52 -3.07	68.92 3.80 -13.82	69.99 3.31 -19.41	68.13 3.53 -15.61	55.65 3.79 -0.01	61.17 4.11 -0.01	75.94 5.36 -0.01	89.16 6.37 -0.01	90.57 5.53 0.00	88.92 5.49 -0.30	93.88 6.10 -1.79	97.11 6.06 -12.35	80.75 5.03 -9.57	74.50 4.70 -9.58	74.49 4.32 -14.05	70.32 4.74 -7.12	76.12 4.75 -12.01	91.00 5.68 -15.15	98.71 5.81 -21.20	89.03 4.48 -27.78	75.49 4.86 -8.31	69.76 4.68 -6.53	60.48 4.58 -0.01	60.40 3.85 -4.54
ASTORIA_GT_1 23523	72.31 4.65 -3.07	68.98 3.85 -13.82	70.09 3.41 -19.41	68.23 3.63 -15.61	55.76 3.89 -0.01	61.29 4.22 -0.01	76.01 5.43 -0.01	89.33 6.54 -0.01	90.73 5.70 0.01	89.08 5.66 -0.29	94.04 6.27 -1.79	97.26 6.22 -12.34	80.94 5.22 -9.56	74.61 4.82 -9.57	74.59 4.43 -14.04	70.43 4.85 -7.12	76.23 4.87 -12.00	91.12 5.82 -15.14	98.85 5.95 -21.20	89.13 4.60 -27.77	75.66 5.05 -8.31	69.76 4.69 -6.53	60.59 4.70 -0.01	60.50 3.95 -4.54
ASTORIA_GT_10 24110	71.79 4.13 -3.07	68.56 3.44 -13.82	69.66 2.98 -19.41	67.79 3.18 -15.61	55.50 3.63 -0.01	61.06 3.99 -0.01	75.51 4.94 -0.01	88.67 5.88 -0.01	90.83 5.78 0.00	89.26 5.82 -0.30	94.13 6.36 -1.79	97.35 6.30 -12.35	80.94 5.23 -9.57	74.62 4.82 -9.58	74.60 4.43 -14.05	70.44 4.85 -7.12	76.30 4.93 -12.01	91.14 5.82 -15.15	100.30 5.95 -22.65	89.20 4.65 -27.78	75.61 4.98 -8.31	69.87 4.80 -6.53	60.54 4.64 -0.01	60.45 3.90 -4.54
ASTORIA_GT_11 24225	71.79 4.13 -3.07	68.56 3.44 -13.82	69.66 2.98 -19.41	67.79 3.18 -15.61	55.50 3.63 -0.01	61.06 3.99 -0.01	75.51 4.94 -0.01	88.67 5.88 -0.01	90.83 5.78 0.00	89.26 5.82 -0.30	94.13 6.36 -1.79	97.35 6.30 -12.35	80.94 5.23 -9.57	74.62 4.82 -9.58	74.60 4.43 -14.05	70.44 4.85 -7.12	76.30 4.93 -12.01	91.14 5.82 -15.15	100.30 5.95 -22.65	89.20 4.65 -27.78	75.61 4.98 -8.31	69.87 4.80 -6.53	60.54 4.64 -0.01	60.45 3.90 -4.54
ASTORIA_GT_12 24226	71.79 4.13 -3.07	68.56 3.44 -13.82	69.66 2.98 -19.41	67.79 3.18 -15.61	55.50 3.63 -0.01	61.06 3.99 -0.01	75.51 4.94 -0.01	88.67 5.88 -0.01	90.83 5.78 0.00	89.26 5.82 -0.30	94.13 6.36 -1.79	97.35 6.30 -12.35	80.94 5.23 -9.57	74.62 4.82 -9.58	74.60 4.43 -14.05	70.44 4.85 -7.12	76.30 4.93 -12.01	91.14 5.82 -15.15	100.30 5.95 -22.65	89.20 4.65 -27.78	75.61 4.98 -8.31	69.87 4.80 -6.53	60.54 4.64 -0.01	60.45 3.90 -4.54
ASTORIA_GT_13 24227	71.79 4.13 -3.07	68.56 3.44 -13.82	69.66 2.98 -19.41	67.79 3.18 -15.61	55.50 3.63 -0.01	61.06 3.99 -0.01	75.51 4.94 -0.01	88.67 5.88 -0.01	90.83 5.78 0.00	89.26 5.82 -0.30	94.13 6.36 -1.79	97.35 6.30 -12.35	80.94 5.23 -9.57	74.62 4.82 -9.58	74.60 4.43 -14.05	70.44 4.85 -7.12	76.30 4.93 -12.01	91.14 5.82 -15.15	100.30 5.95 -22.65	89.20 4.65 -27.78	75.61 4.98 -8.31	69.87 4.80 -6.53	60.54 4.64 -0.01	60.45 3.90 -4.54
ASTORIA_GT_5 24106	72.31 4.65 -3.07	68.98 3.85 -13.82	70.09 3.40 -19.41	68.23 3.63 -15.61	55.76 3.89 -0.01	61.29 4.22 -0.01	76.08 5.50 -0.01	89.33 6.54 -0.01	90.74 5.70 0.00	89.09 5.65 -0.30	94.05 6.28 -1.79	97.27 6.22 -12.35	80.88 5.16 -9.57	74.62 4.82 -9.58	74.60 4.43 -14.05	70.44 4.85 -7.12	76.30 4.93 -12.01	91.14 5.82 -15.15	98.85 5.95 -21.20	89.15 4.60 -27.78	75.61 4.98 -8.31	69.87 4.80 -6.53	60.59 4.69 -0.01	60.51 3.95 -4.54
ASTORIA_GT_7 24107	72.31 4.65 -3.07	68.98 3.85 -13.82	70.09 3.40 -19.41	68.23 3.63 -15.61	55.76 3.89 -0.01	61.29 4.22 -0.01	76.08 5.50 -0.01	89.33 6.54 -0.01	90.74 5.70 0.00	89.09 5.65 -0.30	94.05 6.28 -1.79	97.27 6.22 -12.35	80.88 5.16 -9.57	74.62 4.82 -9.58	74.60 4.43 -14.05	70.44 4.85 -7.12	76.30 4.93 -12.01	91.14 5.82 -15.15	98.85 5.95 -21.20	89.15 4.60 -27.78	75.61 4.98 -8.31	69.87 4.80 -6.53	60.59 4.69 -0.01	60.51 3.95 -4.54
ASTORIA_GT_8 24108	72.31 4.65 -3.07	68.98 3.85 -13.82	70.09 3.40 -19.41	68.23 3.63 -15.61	55.76 3.89 -0.01	61.29 4.22 -0.01	76.08 5.50 -0.01	89.33 6.54 -0.01	90.74 5.70 0.00	89.09 5.65 -0.30	94.05 6.28 -1.79	97.27 6.22 -12.35	80.88 5.16 -9.57	74.62 4.82 -9.58	74.60 4.43 -14.05	70.44 4.85 -7.12	76.30 4.93 -12.01	91.14 5.82 -15.15	98.85 5.95 -21.20	89.15 4.60 -27.78	75.61 4.98 -8.31	69.87 4.80 -6.53	60.59 4.69 -0.01	60.51 3.95 -4.54
ASTORIA___2 24149	72.17 4.52 -3.07	68.92 3.80 -13.82	69.99 3.31 -19.41	68.13 3.53 -15.61	55.65 3.78 -0.01	61.18 4.11 -0.01	75.94 5.36 -0.01	89.16 6.37 -0.01	90.56 5.52 0.01	88.91 5.49 -0.29	93.87 6.11 -1.79	97.11 6.06 -12.34	80.80 5.09 -9.56	74.49 4.70 -9.57	74.48 4.32 -14.04	70.31 4.73 -7.12	76.12 4.75 -12.00	90.98 5.68 -15.14	98.71 5.81 -21.20	89.02 4.48 -27.77	75.48 4.86 -8.31	69.64 4.57 -6.53	60.48 4.58 -0.01	60.40 3.85 -4.54
ASTORIA___3 23516	71.79 4.14 -3.07	68.57 3.44 -13.82	69.66 2.98 -19.41	67.79 3.18 -15.61	55.49 3.63 -0.01	61.00 3.93 -0.01	75.44 4.87 -0.01	88.67 5.88 -0.01	90.83 5.79 0.00	89.25 5.82 -0.30	94.13 6.36 -1.79	97.35 6.30 -12.35	81.01 5.29 -9.57	74.62 4.82 -9.58	74.60 4.43 -14.05	70.43 4.85 -7.12	76.24 4.87 -12.01	91.13 5.82 -15.15	100.30 5.95 -22.65	89.20 4.66 -27.77	75.67 5.05 -8.31	69.76 4.69 -6.53	60.53 4.64 -0.01	60.46 3.90 -4.54
ASTORIA___4 23517	71.79 4.13 -3.07	68.56 3.44 -13.82	69.66 2.98 -19.41	67.79 3.18 -15.61	55.50 3.63 -0.01	61.06 3.99 -0.01	75.51 4.94 -0.01	88.67 5.88 -0.01	90.83 5.78 0.00	89.26 5.82 -0.30	94.13 6.36 -1.79	97.35 6.30 -12.35	80.94 5.23 -9.57	74.62 4.82 -9.58	74.60 4.43 -14.05	70.44 4.85 -7.12	76.30 4.93 -12.01	91.14 5.82 -15.15	100.30 5.95 -22.65	89.20 4.65 -27.78	75.61 4.98 -8.31	69.87 4.80 -6.53	60.54 4.64 -0.01	60.45 3.90 -4.54
ASTORIA___5 23518	71.79 4.14 -3.07	68.57 3.44 -13.82	69.66 2.98 -19.41	67.79 3.18 -15.61	55.49 3.63 -0.01	61.00 3.93 -0.01	75.44 4.87 -0.01	88.67 5.88 -0.01	90.83 5.79 0.00	89.25 5.82 -0.30	94.13 6.36 -1.79	97.35 6.30 -12.35	81.01 5.29 -9.57	74.62 4.82 -9.58	74.60 4.43 -14.05	70.43 4.85 -7.12	76.24 4.87 -12.01	91.13 5.82 -15.15	100.30 5.95 -22.65	89.20 4.66 -27.77	75.67 5.05 -8.31	69.76 4.69 -6.53	60.53 4.64 -0.01	60.46 3.90 -4.54
AST_ENERGY_2_CC3 323677	71.33 3.68 -3.06	68.15 3.03 -13.81	69.28 2.60 -19.41	67.39 2.79 -15.61	55.13 3.27 0.00	60.65 3.60 0.00	74.94 4.38 0.00	88.08 5.30 0.00	90.49 5.45 0.00	88.84 5.40 -0.30	93.70 5.93 -1.79	96.88 5.82 -12.35	80.61 4.89 -9.57	74.26 4.46 -9.58	74.32 4.15 -14.05	70.03 4.44 -7.12	75.88 4.51 -12.01	90.71 5.40 -15.15	98.41 5.52 -21.19	88.85 4.31 -27.77	75.30 4.68 -8.31	69.47 4.39 -6.53	60.14 4.25 0.00	60.08 3.54 -4.53
AST_ENERGY_2_CC4 323678	71.33 3.68 -3.06	68.15 3.03 -13.81	69.28 2.60 -19.41	67.39 2.79 -15.61	55.13 3.27 0.00	60.65 3.60 0.00	74.94 4.38 0.00	88.08 5.30 0.00	90.49 5.45 0.00	88.84 5.40 -0.30	93.70 5.93 -1.79	96.88 5.82 -12.35	80.61 4.89 -9.57	74.26 4.46 -9.58	74.32 4.15 -14.05	70.03 4.44 -7.12	75.88 4.51 -12.01	90.71 5.40 -15.15	98.41 5.52 -21.19	88.85 4.31 -27.77	75.30 4.68 -8.31	69.47 4.39 -6.53	60.14 4.25 0.00	60.08 3.54 -4.53



ATHENS_STG_1 23668	69.52 2.59 -2.34	67.86 2.10 -14.44	70.15 1.94 -20.94	68.11 2.01 -17.11	54.09 2.23 0.00	59.40 2.34 0.00	73.39 2.83 0.00	86.10 3.31 0.00	88.45 3.41 0.00	86.78 3.41 -0.23	91.13 3.78 -1.37	95.37 3.70 -12.97	78.74 3.11 -9.48	73.38 2.83 -10.33	74.16 2.64 -15.40	69.08 2.81 -7.81	75.38 2.85 -13.17	90.14 3.37 -16.61	98.45 3.51 -23.23	89.52 2.72 -30.03	74.28 2.99 -8.97	68.45 2.75 -7.16	58.57 2.68 0.00	59.27 2.29 -4.97
ATHENS_STG_2 23670	69.52 2.59 -2.34	67.86 2.10 -14.44	70.15 1.94 -20.94	68.11 2.01 -17.11	54.09 2.23 0.00	59.40 2.34 0.00	73.39 2.83 0.00	86.10 3.31 0.00	88.45 3.41 0.00	86.78 3.41 -0.23	91.13 3.78 -1.37	95.37 3.70 -12.97	78.74 3.11 -9.48	73.38 2.83 -10.33	74.16 2.64 -15.40	69.08 2.81 -7.81	75.38 2.85 -13.17	90.14 3.37 -16.61	98.45 3.51 -23.23	89.52 2.72 -30.03	74.28 2.99 -8.97	68.45 2.75 -7.16	58.57 2.68 0.00	59.27 2.29 -4.97
ATHENS_STG_3 23677	69.52 2.59 -2.34	67.86 2.10 -14.44	70.15 1.94 -20.94	68.11 2.01 -17.11	54.09 2.23 0.00	59.40 2.34 0.00	73.39 2.83 0.00	86.10 3.31 0.00	88.45 3.41 0.00	86.78 3.41 -0.23	91.13 3.78 -1.37	95.37 3.70 -12.97	78.74 3.11 -9.48	73.38 2.83 -10.33	74.16 2.64 -15.40	69.08 2.81 -7.81	75.38 2.85 -13.17	90.14 3.37 -16.61	98.45 3.51 -23.23	89.52 2.72 -30.03	74.28 2.99 -8.97	68.45 2.75 -7.16	58.57 2.68 0.00	59.27 2.29 -4.97
AUBURN___LFGE 323710	63.62 -0.97 0.00	52.52 -0.51 -1.72	49.50 -0.47 -2.70	50.79 -0.49 -2.29	51.44 -0.41 0.00	56.77 -0.29 0.00	69.86 -0.71 0.00	81.71 -1.08 0.00	84.11 -1.02 -0.08	81.85 -1.33 -0.04	85.40 -1.03 -0.46	79.91 -0.79 -1.99	67.06 -0.60 -1.51	61.24 -0.54 -1.56	57.94 -0.51 -2.32	59.29 -0.35 -1.18	61.23 -0.12 -1.99	72.91 0.00 -2.75	75.76 0.14 -3.92	61.85 0.00 -5.08	63.68 0.00 -1.37	59.56 -0.06 -1.07	55.83 -0.06 0.00	52.63 -0.05 -0.66
BABYLON_RES_REC 323704	117.38 5.43 -47.37	83.59 4.41 -27.87	82.30 3.88 -31.15	78.38 4.12 -25.28	78.38 4.61 -21.91	77.99 5.08 -15.86	130.00 6.28 -53.15	150.38 7.70 -59.90	153.39 7.74 -60.61	153.34 7.56 -62.64	170.39 8.00 -76.41	145.69 7.87 -59.11	136.59 6.55 -63.89	131.00 6.02 -64.76	130.67 5.61 -68.94	145.44 6.08 -80.90	142.90 6.17 -77.36	154.98 7.43 -77.39	154.75 7.46 -75.60	145.31 5.90 -82.64	138.22 6.42 -69.49	119.39 5.91 -54.94	115.20 5.70 -53.61	107.54 4.89 -50.64
BABYLON__69_KV_BK2 356345	118.35 6.39 -47.37	84.41 5.23 -27.87	83.05 4.63 -31.15	79.12 4.85 -25.28	79.22 5.45 -21.91	78.91 5.99 -15.86	131.13 7.41 -53.15	151.79 9.11 -59.90	154.50 8.84 -60.61	154.43 8.65 -62.64	171.34 8.94 -76.43	147.03 9.21 -59.11	137.65 7.61 -63.89	132.02 6.57 -64.76	131.63 6.57 -68.94	146.44 7.07 -80.90	143.85 7.12 -77.36	156.25 8.70 -77.39	155.63 8.32 -75.61	146.34 6.93 -82.65	139.28 7.48 -69.49	120.39 6.91 -54.94	116.15 6.65 -53.61	108.33 5.67 -50.64
BALL_HILL_WT_PWR 323825	59.23 -5.36 0.00	49.31 -4.15 -2.15	46.92 -3.74 -3.38	47.94 -3.92 -2.87	48.43 -3.42 0.00	53.86 -3.19 0.00	64.78 -5.79 0.00	75.06 -7.70 0.03	76.43 -7.82 0.79	74.67 -8.06 0.41	73.72 -7.99 4.27	72.87 -7.01 -1.17	62.26 -5.76 -1.87	55.86 -4.88 -0.52	51.73 -4.60 -0.21	54.06 -4.50 -0.10	55.20 -4.33 -0.17	63.06 -5.12 1.98	63.49 -4.95 3.26	49.18 -4.20 3.39	58.12 -4.55 -0.35	54.02 -4.69 -0.16	52.48 -3.41 0.00	49.78 -3.07 -0.83
BARON_WINDS___WT_PWR 323822	61.45 -4.07 -0.93	51.50 -3.23 -3.42	48.93 -3.03 -4.69	49.57 -3.14 -3.72	49.27 -2.59 0.00	54.61 -2.45 0.00	66.33 -4.23 0.00	77.35 -5.30 0.13	76.39 -5.27 3.38	75.82 -5.66 1.66	62.83 -5.41 17.73	71.94 -4.80 1.96	64.37 -4.17 -2.38	53.20 -3.91 3.11	45.67 -3.59 6.86	51.51 -3.45 3.51	50.39 -3.09 5.89	50.01 -3.30 16.85	41.99 -3.15 26.56	23.06 -2.67 31.04	56.22 -2.99 3.10	52.36 -3.28 2.90	53.65 -2.24 0.00	50.81 -2.29 -1.08
BARRETT_IC_1 23704	116.22 4.26 -47.37	82.67 3.49 -27.87	81.54 3.12 -31.15	77.60 3.33 -25.28	77.51 3.74 -21.91	77.08 4.16 -15.86	128.66 4.94 -53.15	148.23 5.55 -59.90	151.35 5.70 -60.61	151.43 5.66 -62.64	168.66 6.27 -76.41	143.88 6.06 -59.11	135.14 5.09 -63.89	129.68 4.70 -64.76	129.38 4.32 -68.94	143.98 4.62 -80.90	141.47 4.75 -77.36	153.23 5.68 -77.39	153.10 5.81 -75.59	143.89 4.48 -82.64	136.66 4.86 -69.49	118.10 4.62 -54.94	114.03 4.53 -53.61	106.61 3.95 -50.64
BARRETT_IC_10 23701	116.22 4.26 -47.37	82.67 3.49 -27.87	81.54 3.12 -31.15	77.60 3.33 -25.28	77.51 3.74 -21.91	77.08 4.16 -15.86	128.66 4.94 -53.15	148.23 5.55 -59.90	151.35 5.70 -60.61	151.43 5.66 -62.64	168.66 6.27 -76.41	143.88 6.06 -59.11	135.14 5.09 -63.89	129.68 4.70 -64.76	129.38 4.32 -68.94	143.98 4.62 -80.90	141.47 4.75 -77.36	153.23 5.68 -77.39	153.10 5.81 -75.59	143.89 4.48 -82.64	136.66 4.86 -69.49	118.10 4.62 -54.94	114.03 4.53 -53.61	106.61 3.95 -50.64
BARRETT_IC_11 23702	116.22 4.26 -47.37	82.67 3.49 -27.87	81.54 3.12 -31.15	77.60 3.33 -25.28	77.51 3.74 -21.91	77.08 4.16 -15.86	128.66 4.94 -53.15	148.23 5.55 -59.90	151.35 5.70 -60.61	151.43 5.66 -62.64	168.66 6.27 -76.41	143.88 6.06 -59.11	135.14 5.09 -63.89	129.68 4.70 -64.76	129.38 4.32 -68.94	143.98 4.62 -80.90	141.47 4.75 -77.36	153.23 5.68 -77.39	153.10 5.81 -75.59	143.89 4.48 -82.64	136.66 4.86 -69.49	118.10 4.62 -54.94	114.03 4.53 -53.61	106.61 3.95 -50.64
BARRETT_IC_12 23703	116.22 4.26 -47.37	82.67 3.49 -27.87	81.54 3.12 -31.15	77.60 3.33 -25.28	77.51 3.74 -21.91	77.08 4.16 -15.86	128.66 4.94 -53.15	148.23 5.55 -59.90	151.35 5.70 -60.61	151.43 5.66 -62.64	168.66 6.27 -76.41	143.88 6.06 -59.11	135.14 5.09 -63.89	129.68 4.70 -64.76	129.38 4.32 -68.94	143.98 4.62 -80.90	141.47 4.75 -77.36	153.23 5.68 -77.39	153.10 5.81 -75.59	143.89 4.48 -82.64	136.66 4.86 -69.49	118.10 4.62 -54.94	114.03 4.53 -53.61	106.61 3.95 -50.64
BARRETT_IC_2 23705	116.22 4.26 -47.37	82.67 3.49 -27.87	81.54 3.12 -31.15	77.60 3.33 -25.28	77.51 3.74 -21.91	77.08 4.16 -15.86	128.66 4.94 -53.15	148.23 5.55 -59.90	151.35 5.70 -60.61	151.43 5.66 -62.64	168.66 6.27 -76.41	143.88 6.06 -59.11	135.14 5.09 -63.89	129.68 4.70 -64.76	129.38 4.32 -68.94	143.98 4.62 -80.90	141.47 4.75 -77.36	153.23 5.68 -77.39	153.10 5.81 -75.59	143.89 4.48 -82.64	136.66 4.86 -69.49	118.10 4.62 -54.94	114.03 4.53 -53.61	106.61 3.95 -50.64
BARRETT_IC_3 23706	116.22 4.26 -47.37	82.67 3.49 -27.87	81.54 3.12 -31.15	77.60 3.33 -25.28	77.51 3.74 -21.91	77.08 4.16 -15.86	128.66 4.94 -53.15	148.23 5.55 -59.90	151.35 5.70 -60.61	151.43 5.66 -62.64	168.66 6.27 -76.41	143.88 6.06 -59.11	135.14 5.09 -63.89	129.68 4.70 -64.76	129.38 4.32 -68.94	143.98 4.62 -80.90	141.47 4.75 -77.36	153.23 5.68 -77.39	153.10 5.81 -75.59	143.89 4.48 -82.64	136.66 4.86 -69.49	118.10 4.62 -54.94	114.03 4.53 -53.61	106.61 3.95 -50.64
BARRETT_IC_4 23707	116.22 4.26 -47.37	82.67 3.49 -27.87	81.54 3.12 -31.15	77.60 3.33 -25.28	77.51 3.74 -21.91	77.08 4.16 -15.86	128.66 4.94 -53.15	148.23 5.55 -59.90	151.35 5.70 -60.61	151.43 5.66 -62.64	168.66 6.27 -76.41	143.88 6.06 -59.11	135.14 5.09 -63.89	129.68 4.70 -64.76	129.38 4.32 -68.94	143.98 4.62 -80.90	141.47 4.75 -77.36	153.23 5.68 -77.39	153.10 5.81 -75.59	143.89 4.48 -82.64	136.66 4.86 -69.49	118.10 4.62 -54.94	114.03 4.53 -53.61	106.61 3.95 -50.64



BARRETT_IC_5 23708	116.22 4.26 -47.37	82.67 3.49 -27.87	81.54 3.12 -31.15	77.60 3.33 -25.28	77.51 3.74 -21.91	77.08 4.16 -15.86	128.66 4.94 -53.15	148.23 5.55 -59.90	151.35 5.70 -60.61	151.43 5.66 -62.64	168.66 6.27 -76.41	143.88 6.06 -59.11	135.14 5.09 -63.89	129.68 4.70 -64.76	129.38 4.32 -68.94	143.98 4.62 -80.90	141.47 4.75 -77.36	153.23 5.68 -77.39	153.10 5.81 -75.59	143.89 4.48 -82.64	136.66 4.86 -69.49	118.10 4.62 -54.94	114.03 4.53 -53.61	106.61 3.95 -50.64
BARRETT_IC_6 23709	116.22 4.26 -47.37	82.67 3.49 -27.87	81.54 3.12 -31.15	77.60 3.33 -25.28	77.51 3.74 -21.91	77.08 4.16 -15.86	128.66 4.94 -53.15	148.23 5.55 -59.90	151.35 5.70 -60.61	151.43 5.66 -62.64	168.66 6.27 -76.41	143.88 6.06 -59.11	135.14 5.09 -63.89	129.68 4.70 -64.76	129.38 4.32 -68.94	143.98 4.62 -80.90	141.47 4.75 -77.36	153.23 5.68 -77.39	153.10 5.81 -75.59	143.89 4.48 -82.64	136.66 4.86 -69.49	118.10 4.62 -54.94	114.03 4.53 -53.61	106.61 3.95 -50.64
BARRETT_IC_7 23710	116.22 4.26 -47.37	82.67 3.49 -27.87	81.54 3.12 -31.15	77.60 3.33 -25.28	77.50 3.73 -21.91	77.08 4.17 -15.86	128.66 4.94 -53.15	148.23 5.55 -59.90	151.35 5.70 -60.61	151.43 5.65 -62.64	168.66 6.28 -76.41	143.88 6.06 -59.11	135.14 5.09 -63.89	129.62 4.64 -64.76	129.38 4.32 -68.94	144.04 4.68 -80.90	141.47 4.75 -77.36	153.23 5.68 -77.39	153.10 5.81 -75.59	143.90 4.48 -82.65	136.66 4.86 -69.49	118.10 4.62 -54.94	114.03 4.53 -53.61	106.61 3.95 -50.64
BARRETT_IC_8 23711	116.22 4.26 -47.37	82.67 3.49 -27.87	81.54 3.12 -31.15	77.60 3.33 -25.28	77.51 3.74 -21.91	77.08 4.16 -15.86	128.66 4.94 -53.15	148.23 5.55 -59.90	151.35 5.70 -60.61	151.43 5.66 -62.64	168.66 6.27 -76.41	143.88 6.06 -59.11	135.14 5.09 -63.89	129.68 4.70 -64.76	129.38 4.32 -68.94	143.98 4.62 -80.90	141.47 4.75 -77.36	153.23 5.68 -77.39	153.10 5.81 -75.59	143.89 4.48 -82.64	136.66 4.86 -69.49	118.10 4.62 -54.94	114.03 4.53 -53.61	106.61 3.95 -50.64
BARRETT_IC_9 23700	116.22 4.26 -47.37	82.67 3.49 -27.87	81.54 3.12 -31.15	77.60 3.33 -25.28	77.51 3.74 -21.91	77.08 4.16 -15.86	128.66 4.94 -53.15	148.23 5.55 -59.90	151.35 5.70 -60.61	151.43 5.66 -62.64	168.66 6.27 -76.41	143.88 6.06 -59.11	135.14 5.09 -63.89	129.68 4.70 -64.76	129.38 4.32 -68.94	143.98 4.62 -80.90	141.47 4.75 -77.36	153.23 5.68 -77.39	153.10 5.81 -75.59	143.89 4.48 -82.64	136.66 4.86 -69.49	118.10 4.62 -54.94	114.03 4.53 -53.61	106.61 3.95 -50.64
BARRETT___1 23545	116.22 4.26 -47.37	82.67 3.49 -27.87	81.54 3.12 -31.15	77.60 3.33 -25.28	77.51 3.74 -21.91	77.08 4.16 -15.86	128.66 4.94 -53.15	148.23 5.55 -59.90	151.35 5.70 -60.61	151.43 5.66 -62.64	168.66 6.27 -76.41	143.88 6.06 -59.11	135.14 5.09 -63.89	129.68 4.70 -64.76	129.38 4.32 -68.94	143.98 4.62 -80.90	141.47 4.75 -77.36	153.23 5.68 -77.39	153.10 5.81 -75.59	143.89 4.48 -82.64	136.66 4.86 -69.49	118.10 4.62 -54.94	114.03 4.53 -53.61	106.61 3.95 -50.64
BARRETT___2 23546	116.22 4.26 -47.37	82.67 3.49 -27.87	81.54 3.12 -31.15	77.60 3.33 -25.28	77.51 3.74 -21.91	77.08 4.16 -15.86	128.66 4.94 -53.15	148.23 5.55 -59.90	151.35 5.70 -60.61	151.43 5.66 -62.64	168.66 6.27 -76.41	143.88 6.06 -59.11	135.14 5.09 -63.89	129.68 4.70 -64.76	129.38 4.32 -68.94	143.98 4.62 -80.90	141.47 4.75 -77.36	153.23 5.68 -77.39	153.10 5.81 -75.59	143.89 4.48 -82.64	136.66 4.86 -69.49	118.10 4.62 -54.94	114.03 4.53 -53.61	106.61 3.95 -50.64
BATAVIA___115KV_TB1 55881	59.87 -4.71 0.00	50.34 -2.87 -1.90	47.61 -2.65 -2.99	48.83 -2.69 -2.53	49.06 -2.80 0.00	54.32 -2.74 0.00	65.77 -4.80 0.00	75.81 -6.95 0.02	77.69 -6.97 0.38	75.86 -7.07 0.21	76.91 -7.14 1.93	74.04 -6.14 -1.47	63.03 -4.76 -1.64	57.36 -3.79 -0.93	53.95 -3.26 -1.09	55.38 -3.62 -0.55	57.44 -2.85 -0.93	66.46 -3.79 -0.09	67.89 -3.59 0.23	53.70 -3.24 -0.17	59.84 -3.24 -0.76	56.21 -2.87 -0.53	53.38 -2.52 0.00	51.19 -1.56 -0.73
BAYONEEC___CTG1 323682	71.33 3.68 -3.06	68.20 3.08 -13.81	69.28 2.60 -19.41	67.44 2.84 -15.61	55.13 3.27 0.00	60.71 3.65 0.00	75.02 4.45 0.00	88.16 5.38 0.00	90.49 5.45 0.00	88.92 5.49 -0.30	93.70 5.93 -1.79	96.88 5.82 -12.35	80.61 4.89 -9.57	74.32 4.52 -9.58	74.32 4.15 -14.05	70.09 4.50 -7.12	75.94 4.57 -12.01	90.71 5.40 -15.15	98.41 5.52 -21.19	88.85 4.31 -27.77	75.30 4.68 -8.31	69.52 4.45 -6.53	60.19 4.30 0.00	60.13 3.59 -4.53
BAYONEEC___CTG10 323750	71.33 3.68 -3.06	68.20 3.08 -13.81	69.28 2.60 -19.41	67.44 2.84 -15.61	55.13 3.27 0.00	60.71 3.65 0.00	75.02 4.45 0.00	88.16 5.38 0.00	90.49 5.45 0.00	88.92 5.49 -0.30	93.70 5.93 -1.79	96.88 5.82 -12.35	80.61 4.89 -9.57	74.32 4.52 -9.58	74.32 4.15 -14.05	70.09 4.50 -7.12	75.94 4.57 -12.01	90.71 5.40 -15.15	98.41 5.52 -21.19	88.85 4.31 -27.77	75.30 4.68 -8.31	69.52 4.45 -6.53	60.19 4.30 0.00	60.13 3.59 -4.53
BAYONEEC___CTG2 323683	71.33 3.68 -3.06	68.20 3.08 -13.81	69.28 2.60 -19.41	67.44 2.84 -15.61	55.13 3.27 0.00	60.71 3.65 0.00	75.02 4.45 0.00	88.16 5.38 0.00	90.49 5.45 0.00	88.92 5.49 -0.30	93.70 5.93 -1.79	96.88 5.82 -12.35	80.61 4.89 -9.57	74.32 4.52 -9.58	74.32 4.15 -14.05	70.09 4.50 -7.12	75.94 4.57 -12.01	90.71 5.40 -15.15	98.41 5.52 -21.19	88.85 4.31 -27.77	75.30 4.68 -8.31	69.52 4.45 -6.53	60.19 4.30 0.00	60.13 3.59 -4.53
BAYONEEC___CTG3 323684	71.33 3.68 -3.06	68.20 3.08 -13.81	69.28 2.60 -19.41	67.44 2.84 -15.61	55.13 3.27 0.00	60.71 3.65 0.00	75.02 4.45 0.00	88.16 5.38 0.00	90.49 5.45 0.00	88.92 5.49 -0.30	93.70 5.93 -1.79	96.88 5.82 -12.35	80.61 4.89 -9.57	74.32 4.52 -9.58	74.32 4.15 -14.05	70.09 4.50 -7.12	75.94 4.57 -12.01	90.71 5.40 -15.15	98.41 5.52 -21.19	88.85 4.31 -27.77	75.30 4.68 -8.31	69.52 4.45 -6.53	60.19 4.30 0.00	60.13 3.59 -4.53
BAYONEEC___CTG4 323685	71.33 3.68 -3.06	68.20 3.08 -13.81	69.28 2.60 -19.41	67.44 2.84 -15.61	55.13 3.27 0.00	60.71 3.65 0.00	75.02 4.45 0.00	88.16 5.38 0.00	90.49 5.45 0.00	88.92 5.49 -0.30	93.70 5.93 -1.79	96.88 5.82 -12.35	80.61 4.89 -9.57	74.32 4.52 -9.58	74.32 4.15 -14.05	70.09 4.50 -7.12	75.94 4.57 -12.01	90.71 5.40 -15.15	98.41 5.52 -21.19	88.85 4.31 -27.77	75.30 4.68 -8.31	69.52 4.45 -6.53	60.19 4.30 0.00	60.13 3.59 -4.53
BAYONEEC___CTG5 323686	71.33 3.68 -3.06	68.20 3.08 -13.81	69.28 2.60 -19.41	67.44 2.84 -15.61	55.13 3.27 0.00	60.71 3.65 0.00	75.02 4.45 0.00	88.16 5.38 0.00	90.49 5.45 0.00	88.92 5.49 -0.30	93.70 5.93 -1.79	96.88 5.82 -12.35	80.61 4.89 -9.57	74.32 4.52 -9.58	74.32 4.15 -14.05	70.09 4.50 -7.12	75.94 4.57 -12.01	90.71 5.40 -15.15	98.41 5.52 -21.19	88.85 4.31 -27.77	75.30 4.68 -8.31	69.52 4.45 -6.53	60.19 4.30 0.00	60.13 3.59 -4.53
BAYONEEC___CTG6 323687	71.33 3.68 -3.06	68.20 3.08 -13.81	69.28 2.60 -19.41	67.44 2.84 -15.61	55.13 3.27 0.00	60.71 3.65 0.00	75.02 4.45 0.00	88.16 5.38 0.00	90.49 5.45 0.00	88.92 5.49 -0.30	93.70 5.93 -1.79	96.88 5.82 -12.35	80.61 4.89 -9.57	74.32 4.52 -9.58	74.32 4.15 -14.05	70.09 4.50 -7.12	75.94 4.57 -12.01	90.71 5.40 -15.15	98.41 5.52 -21.19	88.85 4.31 -27.77	75.30 4.68 -8.31	69.52 4.45 -6.53	60.19 4.30 0.00	60.13 3.59 -4.53



BAYONEEC___CTG7 323688	71.33 3.68 -3.06	68.20 3.08 -13.81	69.28 2.60 -19.41	67.44 2.84 -15.61	55.13 3.27 0.00	60.71 3.65 0.00	75.02 4.45 0.00	88.16 5.38 0.00	90.49 5.45 0.00	88.92 5.49 -0.30	93.70 5.93 -1.79	96.88 5.82 -12.35	80.61 4.89 -9.57	74.32 4.52 -9.58	74.32 4.15 -14.05	70.09 4.50 -7.12	75.94 4.57 -12.01	90.71 5.40 -15.15	98.41 5.52 -21.19	88.85 4.31 -27.77	75.30 4.68 -8.31	69.52 4.45 -6.53	60.19 4.30 0.00	60.13 3.59 -4.53
BAYONEEC___CTG8 323689	71.33 3.68 -3.06	68.20 3.08 -13.81	69.28 2.60 -19.41	67.44 2.84 -15.61	55.13 3.27 0.00	60.71 3.65 0.00	75.02 4.45 0.00	88.16 5.38 0.00	90.49 5.45 0.00	88.92 5.49 -0.30	93.70 5.93 -1.79	96.88 5.82 -12.35	80.61 4.89 -9.57	74.32 4.52 -9.58	74.32 4.15 -14.05	70.09 4.50 -7.12	75.94 4.57 -12.01	90.71 5.40 -15.15	98.41 5.52 -21.19	88.85 4.31 -27.77	75.30 4.68 -8.31	69.52 4.45 -6.53	60.19 4.30 0.00	60.13 3.59 -4.53
BAYONEEC___CTG9 323749	71.33 3.68 -3.06	68.20 3.08 -13.81	69.28 2.60 -19.41	67.44 2.84 -15.61	55.13 3.27 0.00	60.71 3.65 0.00	75.02 4.45 0.00	88.16 5.38 0.00	90.49 5.45 0.00	88.92 5.49 -0.30	93.70 5.93 -1.79	96.88 5.82 -12.35	80.61 4.89 -9.57	74.32 4.52 -9.58	74.32 4.15 -14.05	70.09 4.50 -7.12	75.94 4.57 -12.01	90.71 5.40 -15.15	98.41 5.52 -21.19	88.85 4.31 -27.77	75.30 4.68 -8.31	69.52 4.45 -6.53	60.19 4.30 0.00	60.13 3.59 -4.53
BEACON___LESR 323632	85.57 3.55 -17.43	80.45 2.92 -26.22	78.11 2.69 -28.15	70.76 2.74 -19.03	54.86 3.01 0.00	60.31 3.25 0.00	74.30 3.74 0.00	87.17 4.38 0.00	89.63 4.59 0.00	89.48 4.65 -1.69	101.18 4.98 -10.22	106.35 4.80 -22.84	95.59 3.97 -25.47	77.95 3.67 -14.05	76.68 3.42 -17.13	70.54 3.39 -8.69	77.45 3.44 -14.65	92.64 4.00 -18.48	101.56 4.01 -25.85	99.58 3.23 -39.58	77.89 3.55 -12.03	69.79 3.28 -7.97	59.13 3.24 0.00	60.56 3.02 -5.53
BEAVER RIVER___HYD 24048	64.78 0.19 0.00	51.94 0.10 -0.52	48.05 -0.05 -0.82	49.69 0.00 -0.70	51.81 -0.05 0.00	57.12 0.06 0.00	70.92 0.35 0.00	83.37 0.58 0.00	85.13 0.09 0.00	83.22 0.08 0.00	86.58 0.61 0.00	79.61 0.63 -0.28	66.88 0.73 0.00	61.29 0.78 -0.29	57.25 0.62 -0.51	59.37 0.64 -0.26	59.45 0.24 0.15	71.19 0.35 -0.68	73.05 0.51 -0.84	58.18 0.34 -1.07	63.00 0.38 -0.31	59.01 0.18 -0.29	56.00 0.11 0.00	52.22 0.00 -0.20
BEEBEE_GT_13 23619	60.84 -3.75 0.00	51.04 -1.95 -1.68	48.06 -1.84 -2.63	49.41 -1.81 -2.23	49.63 -2.23 0.00	54.83 -2.23 0.00	66.83 -3.74 0.00	77.23 -5.55 0.00	79.35 -5.61 0.08	77.28 -5.82 0.04	79.88 -5.67 0.42	75.43 -4.96 -1.69	63.75 -3.84 -1.44	58.40 -3.07 -1.25	54.96 -2.92 -1.76	56.26 -3.10 -0.89	58.14 -2.73 -1.51	68.25 -3.58 -1.67	70.52 -3.44 -2.25	56.84 -3.01 -3.08	60.40 -2.99 -1.08	57.20 -2.17 -0.83	53.65 -2.24 0.00	51.41 -1.25 -0.65
BENSHRST_27_KV_BENSHRST_1 355998	72.37 4.71 -3.07	68.98 3.85 -13.82	70.04 3.36 -19.41	68.18 3.58 -15.61	65.24 4.20 -9.18	66.84 4.62 -5.16	76.08 5.50 -0.01	89.33 6.54 -0.01	91.51 6.46 0.00	89.92 6.48 -0.30	94.99 7.22 -1.79	98.06 7.00 -12.35	81.54 5.82 -9.57	75.22 5.42 -9.58	75.16 4.99 -14.05	71.08 5.50 -7.12	77.01 5.64 -12.01	91.98 6.67 -15.15	140.45 6.88 -61.86	89.88 5.34 -27.78	76.36 5.73 -8.31	70.63 5.50 -6.59	69.23 5.31 -8.03	69.20 4.53 -12.66
BETHLEHEM___GRP 23843	83.80 2.45 -16.75	79.07 2.00 -25.76	77.05 1.84 -27.94	69.94 1.91 -19.04	53.93 2.07 0.00	59.23 2.17 0.00	73.04 2.47 0.00	85.51 2.73 0.00	88.02 2.98 0.00	87.76 2.99 -1.62	99.07 3.27 -9.83	104.40 3.23 -22.46	93.59 2.65 -24.80	76.69 2.53 -13.94	75.62 2.36 -17.14	69.32 2.16 -8.69	76.22 2.20 -14.66	91.11 2.46 -18.49	100.08 2.51 -25.86	98.08 1.99 -39.33	76.50 2.24 -11.94	68.62 2.11 -7.97	57.96 2.07 0.00	59.57 2.03 -5.53
BETHLEHEM___GS1 323560	83.80 2.45 -16.75	79.07 2.00 -25.76	77.05 1.84 -27.94	69.94 1.91 -19.04	53.93 2.08 0.00	59.23 2.17 0.00	73.04 2.47 0.00	85.51 2.73 0.00	88.02 2.97 0.00	87.75 2.99 -1.62	99.07 3.27 -9.83	104.40 3.23 -22.47	93.59 2.65 -24.80	76.69 2.53 -13.94	75.62 2.36 -17.14	69.32 2.16 -8.69	76.22 2.20 -14.66	91.10 2.45 -18.49	100.07 2.51 -25.86	98.07 1.99 -39.32	76.49 2.24 -11.94	68.62 2.10 -7.97	57.96 2.07 0.00	59.57 2.03 -5.53
BETHLEHEM___GS2 323561	83.80 2.45 -16.75	79.07 2.00 -25.76	77.05 1.84 -27.94	69.94 1.91 -19.04	53.93 2.08 0.00	59.23 2.17 0.00	73.04 2.47 0.00	85.51 2.73 0.00	88.02 2.97 0.00	87.75 2.99 -1.62	99.07 3.27 -9.83	104.40 3.23 -22.47	93.59 2.65 -24.80	76.69 2.53 -13.94	75.62 2.36 -17.14	69.32 2.16 -8.69	76.22 2.20 -14.66	91.10 2.45 -18.49	100.07 2.51 -25.86	98.07 1.99 -39.32	76.49 2.24 -11.94	68.62 2.10 -7.97	57.96 2.07 0.00	59.57 2.03 -5.53
BETHLEHEM___GS3 323562	83.80 2.45 -16.75	79.07 2.00 -25.76	77.05 1.84 -27.94	69.94 1.91 -19.04	53.93 2.08 0.00	59.23 2.17 0.00	73.04 2.47 0.00	85.51 2.73 0.00	88.02 2.97 0.00	87.75 2.99 -1.62	99.07 3.27 -9.83	104.40 3.23 -22.47	93.59 2.65 -24.80	76.69 2.53 -13.94	75.62 2.36 -17.14	69.32 2.16 -8.69	76.22 2.20 -14.66	91.10 2.45 -18.49	100.07 2.51 -25.86	98.07 1.99 -39.32	76.49 2.24 -11.94	68.62 2.10 -7.97	57.96 2.07 0.00	59.57 2.03 -5.53
BETHLEHEM___STEEL 23779	59.23 -5.36 0.00	49.25 -4.21 -2.15	46.82 -3.83 -3.38	47.89 -3.97 -2.86	48.44 -3.42 0.00	53.81 -3.25 0.00	64.78 -5.79 0.00	75.05 -7.70 0.03	76.48 -7.82 0.74	74.69 -8.06 0.38	73.90 -8.08 3.99	72.95 -7.00 -1.24	62.26 -5.76 -1.87	55.88 -4.94 -0.60	51.82 -4.66 -0.36	54.08 -4.56 -0.18	55.28 -4.39 -0.31	63.31 -5.19 1.65	63.81 -5.09 2.80	49.68 -4.26 2.83	58.07 -4.67 -0.43	53.97 -4.80 -0.23	52.43 -3.47 0.00	49.67 -3.17 -0.83
BETHLHEM_115KV_TB1 79974	82.82 2.39 -15.85	78.44 2.00 -25.13	76.74 1.84 -27.62	69.93 1.91 -19.02	53.93 2.07 0.00	59.23 2.17 0.00	73.04 2.47 0.00	85.51 2.73 0.00	87.93 2.89 0.00	87.58 2.91 -1.54	98.54 3.27 -9.29	103.79 3.15 -21.94	92.67 2.65 -23.87	76.46 2.47 -13.77	75.55 2.30 -17.13	69.37 2.22 -8.69	76.21 2.20 -14.65	91.16 2.53 -18.48	100.06 2.51 -25.84	97.74 2.04 -38.92	76.43 2.31 -11.81	68.62 2.11 -7.97	58.01 2.12 0.00	59.57 2.03 -5.52
BETHPAGE_CC_5 323564	116.48 4.52 -47.37	82.88 3.70 -27.87	81.68 3.26 -31.15	77.75 3.48 -25.28	77.71 3.94 -21.91	77.25 4.33 -15.86	129.02 5.30 -53.15	149.14 6.46 -59.90	152.20 6.55 -60.61	152.27 6.49 -62.64	169.44 7.05 -76.41	144.67 6.84 -59.11	135.80 5.75 -63.89	130.22 5.24 -64.76	129.94 4.88 -68.94	144.63 5.26 -80.90	142.07 5.34 -77.36	153.93 6.38 -77.39	153.75 6.46 -75.59	144.46 5.05 -82.64	137.28 5.48 -69.49	118.57 5.09 -54.94	114.42 4.92 -53.61	106.82 4.16 -50.64
BIGTREE_115_KV_TB2_REV_LBMP_A 345034	59.36 -5.23 0.00	49.17 -4.31 -2.17	46.76 -3.92 -3.42	47.78 -4.12 -2.90	48.59 -3.27 0.00	53.92 -3.14 0.00	64.99 -5.57 0.00	75.64 -7.12 0.03	77.10 -7.23 0.72	75.28 -7.48 0.37	74.62 -7.48 3.88	73.56 -6.45 -1.30	62.68 -5.36 -1.89	56.17 -4.70 -0.65	52.14 -4.43 -0.45	54.47 -4.21 -0.22	55.65 -4.10 -0.39	63.96 -4.70 1.50	64.55 -4.59 2.57	50.36 -3.86 2.55	58.43 -4.36 -0.48	54.07 -4.74 -0.27	52.65 -3.24 0.00	49.63 -3.22 -0.84



BINGHAMTON___COGEN 23790	65.43 -0.58 -1.43	55.70 -0.51 -4.90	53.43 -0.47 -6.64	53.73 -0.49 -5.23	51.81 -0.05 0.00	57.12 0.06 0.00	70.21 -0.35 0.00	82.20 -0.58 0.00	84.45 -0.60 0.00	82.53 -0.75 -0.14	86.38 -0.43 -0.84	82.90 -0.24 -4.43	69.62 -0.26 -3.73	63.28 -0.24 -3.30	60.60 -0.22 -4.71	60.85 0.00 -2.39	63.51 0.12 -4.03	75.59 0.35 -5.08	79.26 0.43 -7.12	66.55 0.23 -9.55	65.36 0.19 -2.86	60.56 -0.18 -2.19	56.11 0.22 0.00	53.48 -0.05 -1.52
BIXINCNT_115KV_LOAD 355685	57.94 -6.65 0.00	47.38 -6.21 -2.28	45.18 -5.67 -3.58	46.10 -5.93 -3.04	47.35 -4.51 0.00	52.72 -4.34 0.00	64.00 -6.56 0.00	75.39 -7.37 0.02	77.18 -7.23 0.63	75.16 -7.65 0.33	74.55 -8.00 3.43	73.25 -7.00 -1.55	62.19 -5.95 -2.00	55.56 -5.54 -0.87	51.68 -5.28 -0.83	54.20 -4.68 -0.42	55.32 -4.75 -0.71	64.39 -4.91 0.86	65.50 -4.59 1.62	51.63 -3.75 1.39	58.39 -4.61 -0.69	53.24 -5.74 -0.44	52.20 -3.69 0.00	48.42 -4.47 -0.88
BLACK RIVER___HYD 24047	64.91 0.32 0.00	52.31 0.26 -0.74	48.48 0.05 -1.16	50.08 0.10 -0.99	51.86 0.00 0.00	57.23 0.17 0.00	70.99 0.43 0.00	83.61 0.83 0.00	85.72 0.68 0.00	83.64 0.50 0.00	87.27 1.29 0.00	80.45 1.26 -0.49	68.07 1.92 0.00	62.15 1.44 -0.48	58.16 1.18 -0.85	60.36 1.46 -0.43	60.42 0.77 -0.28	72.17 1.05 -0.96	74.26 1.29 -1.26	59.18 0.91 -1.50	63.75 0.99 -0.44	59.60 0.65 -0.41	56.34 0.45 0.00	52.56 0.26 -0.29
BLACKRVR_115KV_TB2 79977	64.91 0.32 0.00	52.31 0.26 -0.74	48.48 0.05 -1.16	50.08 0.10 -0.99	51.86 0.00 0.00	57.23 0.17 0.00	70.99 0.42 0.00	83.61 0.83 0.00	85.72 0.68 0.00	83.64 0.50 0.00	87.27 1.29 0.00	80.40 1.26 -0.44	68.07 1.92 0.00	62.23 1.45 -0.56	58.29 1.18 -0.99	60.43 1.46 -0.50	60.39 0.77 -0.26	72.13 1.05 -0.92	74.20 1.29 -1.21	59.12 0.91 -1.45	63.73 1.00 -0.43	59.58 0.64 -0.40	56.34 0.45 0.00	52.56 0.26 -0.29
BLISS_WT_PWR 323608	57.16 -7.43 0.00	46.82 -6.77 -2.28	44.67 -6.19 -3.58	45.56 -6.47 -3.04	46.72 -5.13 0.00	52.09 -4.96 0.00	63.30 -7.27 0.00	74.65 -8.11 0.02	76.50 -7.91 0.63	74.42 -8.39 0.33	73.70 -8.85 3.43	72.55 -7.71 -1.55	61.59 -6.55 -2.00	54.96 -6.14 -0.88	51.18 -5.78 -0.84	53.44 -5.44 -0.42	54.67 -5.40 -0.71	63.68 -5.62 0.86	64.91 -5.16 1.63	51.17 -4.20 1.40	57.95 -5.05 -0.68	52.60 -6.38 -0.44	51.75 -4.14 0.00	48.01 -4.89 -0.88
BLUESTONE___WT_PWR 323821	69.26 2.07 -2.60	58.89 1.59 -5.99	56.06 1.32 -7.46	55.92 1.32 -5.61	53.52 1.66 0.00	59.00 1.94 0.00	72.97 2.40 0.00	85.85 3.06 0.00	88.36 3.23 -0.08	86.59 3.16 -0.30	92.26 4.30 -1.98	88.62 4.25 -5.66	74.98 3.44 -5.40	67.03 2.89 -3.91	63.78 2.36 -5.30	63.96 2.81 -2.69	66.80 2.91 -4.53	79.83 3.72 -5.96	84.06 3.94 -8.42	71.53 3.01 -11.75	68.81 3.11 -3.38	63.46 2.46 -2.46	58.46 2.57 0.00	55.73 2.08 -1.63
BLUE_CIRC_CHEM_DRP 24182	82.73 4.59 -13.55	78.28 3.75 -23.22	77.16 3.55 -26.35	71.15 3.58 -18.58	56.06 4.20 0.00	61.39 4.34 0.00	75.44 4.87 0.00	88.08 5.30 0.00	92.36 7.31 0.00	90.94 6.48 -1.31	100.55 6.62 -7.95	105.07 5.98 -20.38	92.38 4.76 -21.46	77.53 4.28 -13.03	76.88 4.21 -16.55	71.47 4.62 -8.39	75.95 2.43 -14.15	90.82 2.81 -17.85	99.61 2.94 -24.97	96.04 2.33 -36.95	76.12 2.62 -11.19	68.70 2.46 -7.70	58.41 2.52 0.00	59.75 2.29 -5.44
BOC_GAS_DRP 24189	77.45 2.07 -10.79	74.66 1.74 -21.61	74.75 1.61 -25.87	69.60 1.67 -18.94	53.67 1.82 0.00	58.94 1.88 0.00	72.75 2.19 0.00	85.35 2.57 0.00	87.68 2.64 0.00	86.76 2.58 -1.05	95.23 2.92 -6.33	100.55 2.83 -19.01	87.28 2.38 -18.75	75.24 2.17 -12.85	75.19 2.02 -17.05	69.21 2.10 -8.65	76.08 2.14 -14.58	91.01 2.46 -18.40	99.94 2.51 -25.73	95.43 1.99 -36.67	75.63 2.24 -11.07	68.52 2.05 -7.93	57.90 2.01 0.00	59.33 1.82 -5.50
BOONVILLE_115KV_TB1 79983	66.01 1.42 0.00	52.88 1.13 -0.44	48.91 0.95 -0.69	50.56 0.98 -0.58	52.90 1.04 0.00	58.26 1.20 0.00	72.19 1.62 0.00	84.85 2.07 0.00	86.91 1.87 0.00	84.97 1.83 0.00	88.38 2.41 0.00	81.17 2.20 -0.26	68.07 1.92 0.00	62.25 1.75 -0.29	58.14 1.52 -0.50	60.47 1.75 -0.26	61.22 1.60 -0.25	72.65 1.96 -0.52	74.49 2.08 -0.71	59.18 1.59 -0.82	64.24 1.68 -0.24	60.23 1.46 -0.23	57.18 1.29 0.00	53.28 1.09 -0.17
BORALEX_4TH_BRANCH 23824	91.76 4.46 -22.71	84.69 3.59 -29.79	80.34 3.26 -29.81	71.29 3.33 -18.97	55.23 3.37 0.00	60.71 3.65 0.00	75.08 4.52 0.00	88.16 5.38 0.00	90.49 5.44 0.00	90.66 5.32 -2.20	104.97 5.67 -13.32	109.97 5.43 -25.83	101.46 4.50 -30.81	79.26 4.10 -14.94	77.02 3.82 -17.08	71.16 4.03 -8.66	78.13 4.16 -14.61	93.57 4.98 -18.43	102.64 5.16 -25.78	102.57 4.09 -41.72	79.47 4.42 -12.74	70.59 4.10 -7.94	59.86 3.97 0.00	60.96 3.43 -5.51
BOWLINE___1 23526	70.39 2.84 -2.96	67.06 2.36 -13.39	68.13 2.03 -18.82	66.29 2.15 -15.14	54.45 2.59 0.00	59.85 2.80 0.00	73.95 3.39 0.00	86.75 3.97 0.00	89.12 4.08 0.00	87.50 4.07 -0.29	92.27 4.55 -1.73	95.15 4.48 -11.96	79.19 3.77 -9.27	72.94 3.43 -9.28	72.93 3.20 -13.61	68.87 3.51 -6.90	74.57 3.56 -11.65	89.06 4.21 -14.70	96.56 4.30 -20.55	87.11 3.41 -26.94	74.05 3.68 -8.06	68.33 3.45 -6.33	59.30 3.41 0.00	59.22 2.81 -4.39
BOWLINE___2 23595	70.46 2.91 -2.96	67.16 2.46 -13.39	68.22 2.13 -18.82	66.39 2.25 -15.14	54.50 2.64 0.00	59.91 2.85 0.00	74.02 3.46 0.00	86.92 4.14 0.00	89.21 4.17 0.00	87.58 4.16 -0.29	92.44 4.73 -1.73	95.31 4.64 -11.96	79.25 3.84 -9.27	73.06 3.55 -9.28	73.05 3.31 -13.61	68.93 3.57 -6.90	74.63 3.62 -11.65	89.21 4.35 -14.70	96.70 4.45 -20.56	87.17 3.46 -26.94	74.18 3.80 -8.06	68.39 3.51 -6.34	59.36 3.47 0.00	59.27 2.86 -4.39
BRADY___115KV_TB2 356060	65.17 0.58 0.00	51.41 0.10 0.00	47.32 0.05 0.00	48.99 0.00 0.00	51.65 -0.21 0.00	56.94 -0.11 0.00	70.92 0.35 0.00	83.20 0.41 0.00	85.04 0.00 0.00	83.22 0.08 0.00	85.72 -0.26 0.00	78.23 -0.47 0.00	65.75 -0.40 0.00	59.68 -0.54 0.00	55.62 -0.51 0.00	57.64 -0.82 0.00	55.97 -1.13 2.26	68.97 -1.19 0.00	70.04 -1.29 0.37	55.86 -0.91 0.00	61.19 -1.12 0.00	57.49 -1.05 0.00	55.00 -0.89 0.00	51.34 -0.68 0.00
BRANSCOMB___SOLAR 323811	100.14 4.65 -30.90	90.90 3.74 -35.84	83.90 3.45 -33.18	72.12 3.57 -19.55	55.75 3.89 0.00	61.28 4.22 0.00	75.58 5.01 0.00	88.91 6.13 0.00	91.34 6.29 0.00	92.37 6.24 -2.99	110.72 6.62 -18.12	115.64 6.14 -30.79	110.32 5.02 -39.14	81.45 4.57 -16.66	77.98 4.26 -17.60	72.00 4.62 -8.92	79.16 4.75 -15.05	94.82 5.68 -18.98	103.99 5.74 -26.55	107.39 4.60 -46.03	81.43 4.99 -14.13	71.35 4.62 -8.18	60.36 4.47 0.00	61.59 3.90 -5.67
BRENTWOD_69_KV_W. BRTWOOD 56703	118.42 6.46 -47.37	84.46 5.28 -27.87	83.10 4.68 -31.15	79.22 4.95 -25.28	79.32 5.55 -21.91	79.02 6.11 -15.86	131.27 7.55 -53.15	151.95 9.27 -59.90	154.41 8.76 -60.61	154.26 8.48 -62.64	170.91 8.51 -76.42	147.03 9.21 -59.11	137.65 7.61 -63.89	132.02 7.05 -64.76	131.63 6.57 -68.94	146.44 7.07 -80.90	143.85 7.12 -77.36	156.25 8.70 -77.39	155.27 7.96 -75.61	146.28 6.87 -82.65	139.28 7.48 -69.49	120.39 6.91 -54.94	116.15 6.65 -53.61	108.38 5.72 -50.64



BRISTLHL_115KV_TB1 79998	62.72 -1.87 0.00	51.24 -1.23 -1.16	47.97 -1.13 -1.83	49.32 -1.22 -1.55	50.61 -1.24 0.00	55.75 -1.31 0.00	68.66 -1.91 0.00	80.22 -2.57 0.00	82.49 -2.55 0.00	80.48 -2.66 0.00	83.57 -2.41 0.00	77.35 -2.05 -0.69	64.50 -1.65 0.00	59.51 -1.51 -0.80	56.18 -1.35 -1.41	57.83 -1.34 -0.71	59.39 -1.19 -1.21	70.28 -1.40 -1.53	72.55 -1.29 -2.14	58.03 -1.14 -2.40	61.77 -1.25 -0.71	58.09 -1.11 -0.66	54.77 -1.12 0.00	51.53 -0.94 -0.45
BROOKHAVEN___DRP 24191	117.77 5.81 -47.37	83.95 4.77 -27.87	82.63 4.21 -31.15	78.78 4.51 -25.28	78.80 5.03 -21.91	78.39 5.48 -15.86	130.50 6.77 -53.15	151.13 8.44 -59.90	154.37 8.67 -60.65	154.30 8.48 -62.68	171.28 8.77 -76.53	145.61 7.79 -59.11	136.26 6.22 -63.89	130.82 5.84 -64.76	130.67 5.61 -68.94	145.74 6.37 -80.90	142.84 6.11 -77.36	155.13 7.58 -77.39	155.45 8.03 -75.71	145.38 5.96 -82.65	138.47 6.67 -69.49	119.63 6.15 -54.94	115.59 6.09 -53.61	107.86 5.20 -50.64
BROOKLYN_NAVY_YARD 23515	71.39 3.74 -3.06	68.20 3.08 -13.81	69.28 2.60 -19.41	67.39 2.79 -15.61	55.18 3.32 0.00	60.71 3.65 0.00	75.09 4.52 0.00	88.33 5.55 0.00	90.74 5.70 0.00	89.09 5.66 -0.30	93.97 6.19 -1.79	97.11 6.06 -12.35	80.81 5.09 -9.57	74.50 4.70 -9.58	74.49 4.32 -14.05	70.26 4.68 -7.12	76.12 4.75 -12.01	90.99 5.68 -15.15	98.70 5.81 -21.19	89.08 4.54 -27.77	75.55 4.92 -8.31	69.70 4.62 -6.53	60.30 4.41 0.00	60.18 3.64 -4.53
BROOKLYN___ARMY_DRP 323595	72.18 4.52 -3.07	68.82 3.69 -13.82	69.85 3.17 -19.41	67.98 3.38 -15.61	65.04 3.99 -9.18	66.61 4.39 -5.16	75.80 5.22 -0.01	89.00 6.21 -0.01	91.17 6.12 0.00	89.59 6.15 -0.30	94.56 6.79 -1.79	97.74 6.69 -12.35	81.28 5.56 -9.57	74.98 5.18 -9.58	74.94 4.77 -14.05	70.85 5.26 -7.12	76.72 5.34 -12.01	91.63 6.31 -15.15	140.02 6.45 -61.86	89.60 5.05 -27.78	76.05 5.42 -8.31	70.34 5.21 -6.59	69.01 5.09 -8.03	68.94 4.27 -12.66
BROOKVLE_69_KV_TB1 55790	116.93 4.97 -47.37	83.23 4.05 -27.87	81.97 3.55 -31.15	78.04 3.77 -25.28	78.02 4.25 -21.91	77.60 4.68 -15.86	129.44 5.72 -53.15	149.64 6.95 -59.90	152.79 7.14 -60.61	152.93 7.15 -62.64	170.30 7.91 -76.41	145.46 7.63 -59.11	136.39 6.35 -63.89	130.76 5.78 -64.76	130.39 5.33 -68.94	145.09 5.73 -80.90	142.54 5.82 -77.36	154.49 6.95 -77.39	154.39 7.10 -75.59	144.92 5.51 -82.65	137.72 5.92 -69.49	118.98 5.50 -54.94	114.81 5.31 -53.61	107.13 4.47 -50.64
BROOME_2_LFGE 323671	65.43 -0.58 -1.43	55.70 -0.51 -4.90	53.43 -0.47 -6.64	53.73 -0.49 -5.23	51.81 -0.05 0.00	57.12 0.06 0.00	70.15 -0.42 0.00	82.21 -0.58 0.00	84.45 -0.59 0.00	82.53 -0.75 -0.14	86.39 -0.43 -0.84	82.91 -0.24 -4.43	69.62 -0.26 -3.73	63.28 -0.24 -3.30	60.61 -0.22 -4.71	60.79 -0.06 -2.39	63.51 0.12 -4.03	75.59 0.35 -5.08	79.25 0.43 -7.12	66.54 0.23 -9.55	65.36 0.19 -2.86	60.50 -0.23 -2.19	56.11 0.22 0.00	53.48 -0.05 -1.52
BROOME___LFGE 323600	65.43 -0.58 -1.43	55.70 -0.51 -4.90	53.43 -0.47 -6.64	53.73 -0.49 -5.23	51.81 -0.05 0.00	57.12 0.06 0.00	70.15 -0.42 0.00	82.21 -0.58 0.00	84.45 -0.59 0.00	82.53 -0.75 -0.14	86.39 -0.43 -0.84	82.91 -0.24 -4.43	69.62 -0.26 -3.73	63.28 -0.24 -3.30	60.61 -0.22 -4.71	60.79 -0.06 -2.39	63.51 0.12 -4.03	75.59 0.35 -5.08	79.25 0.43 -7.12	66.54 0.23 -9.55	65.36 0.19 -2.86	60.50 -0.23 -2.19	56.11 0.22 0.00	53.48 -0.05 -1.52
BROWNFLS_115KV_TB_3_5 80003	64.52 -0.06 0.00	51.47 -0.21 -0.37	47.52 -0.33 -0.58	49.14 -0.34 -0.49	51.39 -0.47 0.00	56.66 -0.40 0.00	70.36 -0.21 0.00	82.53 -0.25 0.00	84.19 -0.85 0.00	82.39 -0.75 0.00	85.55 -0.43 0.00	78.53 -0.39 -0.22	65.95 -0.20 0.00	60.21 -0.24 -0.23	56.24 -0.28 -0.40	58.08 -0.58 -0.20	57.29 -1.07 1.00	69.43 -1.12 -0.39	70.96 -1.08 -0.33	56.53 -0.85 -0.61	61.49 -1.00 -0.18	57.77 -0.94 -0.17	55.16 -0.73 0.00	51.53 -0.62 -0.14
BROWNSV1_27_KV_LOAD 356125	71.91 4.26 -3.06	68.61 3.49 -13.81	69.71 3.03 -19.41	67.84 3.23 -15.61	55.54 3.68 0.00	61.17 4.11 0.00	75.65 5.08 0.00	88.91 6.13 0.00	91.34 6.29 0.00	89.67 6.24 -0.30	94.56 6.79 -1.79	97.74 6.69 -12.34	81.28 5.56 -9.57	74.92 5.12 -9.58	74.88 4.71 -14.05	70.67 5.09 -7.12	76.54 5.16 -12.01	91.49 6.17 -15.15	99.20 6.31 -21.19	89.48 4.94 -27.78	75.98 5.36 -8.31	70.11 5.03 -6.53	60.75 4.86 0.00	60.60 4.06 -4.53
BURROWS___LYONSDAL 23803	65.69 1.10 0.00	52.64 0.87 -0.46	48.70 0.71 -0.72	50.34 0.73 -0.61	52.64 0.78 0.00	57.97 0.91 0.00	71.91 1.34 0.00	84.44 1.66 0.00	86.49 1.45 0.00	84.55 1.41 0.00	87.96 1.98 0.00	80.79 1.81 -0.27	67.80 1.65 0.00	62.02 1.51 -0.29	57.93 1.29 -0.52	60.19 1.46 -0.26	60.82 1.31 -0.15	72.30 1.61 -0.53	74.12 1.72 -0.70	58.91 1.31 -0.83	63.93 1.37 -0.24	59.94 1.17 -0.23	56.90 1.01 0.00	53.02 0.83 -0.18
CAITHNESS_CC_1 323624	117.64 5.69 -47.37	83.85 4.67 -27.87	82.49 4.07 -31.15	78.68 4.41 -25.28	78.70 4.93 -21.91	78.22 5.31 -15.86	130.29 6.56 -53.15	150.88 8.20 -59.90	154.11 8.42 -60.65	154.05 8.23 -62.68	171.02 8.51 -76.53	145.54 7.72 -59.11	136.20 6.15 -63.89	130.70 5.72 -64.76	130.56 5.50 -68.94	145.50 6.14 -80.90	142.78 6.06 -77.36	154.98 7.43 -77.39	155.23 7.82 -75.71	145.31 5.90 -82.64	138.34 6.54 -69.49	119.45 5.97 -54.94	115.42 5.92 -53.61	107.76 5.10 -50.64
CALPINE BETH_PAGE_GT4 24209	116.35 4.39 -47.37	82.77 3.59 -27.87	81.59 3.17 -31.15	77.60 3.33 -25.28	77.56 3.79 -21.91	77.08 4.17 -15.86	128.87 5.15 -53.15	148.89 6.21 -59.90	152.03 6.38 -60.61	152.09 6.32 -62.64	169.26 6.88 -76.41	144.51 6.69 -59.11	135.67 5.62 -63.89	130.10 5.12 -64.76	129.83 4.77 -68.94	144.51 5.14 -80.90	141.95 5.22 -77.36	153.79 6.24 -77.39	153.60 6.31 -75.59	144.35 4.94 -82.65	137.16 5.36 -69.49	118.45 4.98 -54.94	114.31 4.81 -53.61	106.71 4.06 -50.64
CALPINE_BETH_PAGE_GT_4 323586	116.35 4.39 -47.37	82.77 3.59 -27.87	81.59 3.17 -31.15	77.60 3.33 -25.28	77.55 3.78 -21.91	77.08 4.16 -15.86	128.81 5.08 -53.15	148.89 6.21 -59.90	152.03 6.38 -60.61	152.09 6.32 -62.64	169.27 6.88 -76.41	144.51 6.69 -59.11	135.66 5.62 -63.89	130.09 5.12 -64.76	129.83 4.77 -68.94	144.51 5.15 -80.90	141.95 5.23 -77.36	153.79 6.24 -77.39	153.60 6.31 -75.59	144.35 4.94 -82.64	137.16 5.36 -69.49	118.45 4.97 -54.94	114.31 4.81 -53.61	106.72 4.06 -50.64
CALPINE_BP_GT1 23823	116.35 4.39 -47.37	82.77 3.59 -27.87	81.59 3.17 -31.15	77.60 3.33 -25.28	77.55 3.78 -21.91	77.08 4.16 -15.86	128.81 5.08 -53.15	148.89 6.21 -59.90	152.03 6.38 -60.61	152.09 6.32 -62.64	169.27 6.88 -76.41	144.51 6.69 -59.11	135.66 5.62 -63.89	130.09 5.12 -64.76	129.83 4.77 -68.94	144.51 5.15 -80.90	141.95 5.23 -77.36	153.79 6.24 -77.39	153.60 6.31 -75.59	144.35 4.94 -82.64	137.16 5.36 -69.49	118.45 4.97 -54.94	114.31 4.81 -53.61	106.72 4.06 -50.64
CALSPAN___DRP 24200	59.23 -5.36 0.00	49.25 -4.21 -2.15	46.82 -3.83 -3.38	47.89 -3.97 -2.86	48.44 -3.42 0.00	53.81 -3.25 0.00	64.78 -5.79 0.00	75.05 -7.70 0.03	76.48 -7.82 0.74	74.69 -8.06 0.38	73.90 -8.08 3.99	72.95 -7.00 -1.24	62.26 -5.76 -1.87	55.88 -4.94 -0.60	51.82 -4.66 -0.36	54.08 -4.56 -0.18	55.28 -4.39 -0.31	63.31 -5.19 1.65	63.81 -5.09 2.80	49.68 -4.26 2.83	58.07 -4.67 -0.43	53.97 -4.80 -0.23	52.43 -3.47 0.00	49.67 -3.17 -0.83



CALVERTON___SOLAR 323806	117.97 6.01 -47.37	84.11 4.93 -27.87	82.72 4.30 -31.15	78.93 4.66 -25.28	78.96 5.19 -21.91	78.51 5.59 -15.86	130.64 6.92 -53.15	151.37 8.69 -59.90	154.70 9.01 -60.65	154.55 8.73 -62.68	171.53 9.03 -76.53	145.69 7.87 -59.11	136.26 6.22 -63.89	130.76 5.78 -64.76	130.67 5.61 -68.94	145.74 6.37 -80.90	142.96 6.23 -77.36	155.26 7.72 -77.39	155.58 8.17 -75.71	145.49 6.08 -82.64	138.59 6.79 -69.49	119.68 6.20 -54.94	115.70 6.20 -53.61	108.02 5.36 -50.64
CANDIGU_WT_PWR 323617	61.45 -4.07 -0.93	51.50 -3.23 -3.42	48.93 -3.03 -4.69	49.57 -3.14 -3.72	49.27 -2.59 0.00	54.61 -2.45 0.00	66.33 -4.23 0.00	77.35 -5.30 0.13	76.39 -5.27 3.38	75.82 -5.66 1.66	62.83 -5.41 17.73	71.94 -4.80 1.96	64.37 -4.17 -2.38	53.20 -3.91 3.11	45.67 -3.59 6.86	51.51 -3.45 3.51	50.39 -3.09 5.89	50.01 -3.30 16.85	41.99 -3.15 26.56	23.06 -2.67 31.04	56.22 -2.99 3.10	52.36 -3.28 2.90	53.65 -2.24 0.00	50.81 -2.29 -1.08
CARR STREET_E_SYR 24060	62.71 -1.88 0.00	51.38 -1.23 -1.30	48.18 -1.13 -2.04	49.55 -1.18 -1.73	50.67 -1.19 0.00	55.86 -1.20 0.00	68.73 -1.84 0.00	80.30 -2.48 0.00	82.66 -2.38 0.00	80.65 -2.49 0.00	83.74 -2.24 0.00	77.59 -1.89 -0.77	64.63 -1.52 0.00	59.73 -1.38 -0.89	56.46 -1.23 -1.57	58.03 -1.23 -0.80	59.56 -1.13 -1.33	70.51 -1.34 -1.68	72.84 -1.22 -2.35	58.33 -1.08 -2.64	61.90 -1.19 -0.78	58.27 -1.00 -0.73	55.05 -0.84 0.00	51.79 -0.73 -0.50
CARTHAGE___PAPER 23857	64.78 0.19 0.00	52.07 0.10 -0.66	48.26 -0.05 -1.03	49.87 0.00 -0.88	51.75 -0.10 0.00	57.12 0.06 0.00	70.92 0.35 0.00	83.52 0.74 0.00	85.47 0.43 0.00	83.47 0.33 0.00	86.84 0.86 0.00	79.98 0.87 -0.41	67.34 1.19 0.00	61.59 0.96 -0.41	57.63 0.79 -0.72	59.71 0.88 -0.37	59.84 0.36 -0.12	71.57 0.56 -0.85	73.52 0.72 -1.10	58.61 0.51 -1.34	63.26 0.56 -0.39	59.20 0.29 -0.37	56.06 0.17 0.00	52.27 0.00 -0.25
CASSADAGA_WT_PWR 323784	60.07 -4.52 0.00	49.74 -3.80 -2.23	47.37 -3.40 -3.50	48.34 -3.62 -2.97	49.01 -2.85 0.00	54.61 -2.45 0.00	65.98 -4.59 0.00	76.88 -5.88 0.03	78.38 -5.96 0.70	76.37 -6.40 0.37	75.90 -6.27 3.80	74.82 -5.27 -1.39	63.79 -4.30 -1.94	57.09 -3.86 -0.72	52.98 -3.71 -0.56	55.23 -3.51 -0.28	56.45 -3.38 -0.47	65.15 -3.65 1.36	66.06 -3.30 2.35	51.65 -2.84 2.28	59.61 -3.24 -0.54	54.87 -3.98 -0.31	53.49 -2.40 0.00	50.33 -2.55 -0.86
CE_DUNWOOD___DRP 24194	71.19 3.55 -3.05	68.00 2.92 -13.77	69.13 2.51 -19.36	67.25 2.69 -15.56	54.97 3.11 0.00	60.48 3.42 0.00	74.73 4.16 0.00	87.75 5.02 0.00	90.06 4.99 0.00	88.42 4.59 -0.30	93.36 5.59 -1.79	96.53 5.51 -12.31	80.26 4.56 -9.54	73.99 4.22 -9.55	74.00 3.87 -14.01	69.77 4.21 -7.10	75.61 4.27 -11.98	90.32 5.05 -15.11	98.00 5.16 -21.13	88.55 4.09 -27.70	75.03 4.42 -8.29	69.15 4.10 -6.51	59.86 3.97 0.00	59.86 3.33 -4.52
CE_MILLWOOD___DRP 24193	70.99 3.36 -3.04	67.81 2.77 -13.73	68.98 2.41 -19.29	67.11 2.60 -15.52	54.81 2.96 0.00	60.31 3.25 0.00	74.52 3.95 0.00	87.50 4.72 0.00	89.80 4.76 0.00	88.17 4.74 -0.29	93.09 5.33 -1.78	96.17 5.19 -12.27	80.03 4.37 -9.51	73.78 4.03 -9.52	73.78 3.70 -13.96	69.57 4.03 -7.08	75.40 4.10 -11.94	90.06 4.84 -15.06	97.71 4.95 -21.06	88.24 3.86 -27.61	74.81 4.24 -8.26	68.96 3.92 -6.49	59.69 3.80 0.00	59.69 3.17 -4.50
CE_NYC2_DRP 24202	71.79 4.13 -3.07	68.56 3.44 -13.82	69.61 2.93 -19.41	67.74 3.14 -15.61	55.50 3.63 -0.01	61.06 3.99 -0.01	75.51 4.94 -0.01	88.67 5.88 -0.01	90.91 5.87 0.00	89.26 5.82 -0.30	94.22 6.45 -1.79	97.35 6.30 -12.35	80.94 5.23 -9.57	74.68 4.88 -9.58	74.66 4.49 -14.05	70.50 4.91 -7.12	76.36 4.99 -12.01	91.21 5.89 -15.15	100.38 6.02 -22.65	89.20 4.65 -27.78	75.67 5.05 -8.31	69.87 4.80 -6.53	60.54 4.64 -0.01	60.45 3.90 -4.54
CE_NYC_DRP 24195	71.46 3.81 -3.06	68.25 3.13 -13.81	69.37 2.69 -19.41	67.49 2.89 -15.61	55.23 3.37 0.00	60.77 3.71 0.00	75.15 4.59 0.00	88.33 5.55 0.00	90.66 5.61 0.00	89.09 5.65 -0.30	93.96 6.19 -1.79	97.11 6.06 -12.34	80.75 5.03 -9.57	74.50 4.70 -9.58	74.49 4.32 -14.05	70.26 4.68 -7.12	76.12 4.75 -12.01	90.92 5.61 -15.15	98.63 5.74 -21.19	89.03 4.48 -27.78	75.42 4.80 -8.31	69.64 4.57 -6.53	60.25 4.36 0.00	60.19 3.64 -4.53
CHAFFEE___LFGE 323603	59.55 -5.04 0.00	49.47 -4.05 -2.21	47.06 -3.69 -3.48	48.12 -3.82 -2.95	48.75 -3.11 0.00	54.15 -2.91 0.00	65.20 -5.37 0.00	75.72 -7.04 0.03	77.21 -7.14 0.69	75.38 -7.40 0.36	74.87 -7.39 3.71	73.73 -6.37 -1.40	62.79 -5.29 -1.93	56.44 -4.52 -0.74	52.40 -4.32 -0.60	54.61 -4.15 -0.30	55.89 -3.98 -0.50	64.33 -4.56 1.27	65.03 -4.45 2.22	50.89 -3.75 2.13	58.69 -4.17 -0.56	54.31 -4.57 -0.33	52.76 -3.13 0.00	49.91 -2.96 -0.86
CHATEAUG_35_KV_LOAD 355732	63.81 -0.78 0.00	50.39 -0.92 0.00	46.33 -0.95 0.00	47.96 -1.03 0.00	50.61 -1.24 0.00	55.86 -1.20 0.00	69.37 -1.20 0.00	81.71 -1.08 0.00	83.94 -1.11 0.00	82.14 -1.00 0.00	84.26 -1.72 0.00	76.74 -1.97 0.00	64.23 -1.92 0.00	58.18 -2.05 0.00	53.93 -2.19 0.00	55.71 -2.75 0.00	53.83 -3.09 2.45	66.65 -3.51 0.00	67.79 -3.51 0.40	54.10 -2.67 0.00	59.26 -3.05 0.00	55.67 -2.87 0.00	52.98 -2.91 0.00	49.73 -2.29 0.00
CHATEAUG_WT_PWR 323614	63.55 -1.04 0.00	50.23 -1.08 0.00	46.19 -1.09 0.00	47.82 -1.18 0.00	50.46 -1.40 0.00	55.63 -1.42 0.00	69.01 -1.55 0.00	81.45 -1.33 0.00	83.77 -1.27 0.00	82.06 -1.08 0.00	84.09 -1.89 0.00	76.50 -2.20 0.00	63.97 -2.18 0.00	57.87 -2.35 0.00	53.60 -2.52 0.00	55.30 -3.16 0.00	53.36 -3.50 2.50	66.16 -4.00 0.00	67.28 -4.01 0.41	53.70 -3.07 0.00	58.82 -3.49 0.00	55.32 -3.22 0.00	52.65 -3.24 0.00	49.47 -2.55 0.00
CHAT_HIGH_FALL_HYD 323578	63.81 -0.78 0.00	50.39 -0.92 0.00	46.33 -0.95 0.00	47.96 -1.03 0.00	50.61 -1.24 0.00	55.86 -1.20 0.00	69.37 -1.20 0.00	81.71 -1.08 0.00	83.94 -1.11 0.00	82.14 -1.00 0.00	84.26 -1.72 0.00	76.74 -1.97 0.00	64.23 -1.92 0.00	58.18 -2.05 0.00	53.93 -2.19 0.00	55.71 -2.75 0.00	53.83 -3.09 2.45	66.65 -3.51 0.00	67.79 -3.51 0.40	54.10 -2.67 0.00	59.26 -3.05 0.00	55.67 -2.87 0.00	52.98 -2.91 0.00	49.73 -2.29 0.00
CHAUTAUQUA___LFGE 323629	59.55 -5.04 0.00	49.59 -3.90 -2.18	47.20 -3.50 -3.43	48.17 -3.73 -2.91	48.59 -3.27 0.00	54.09 -2.97 0.00	65.20 -5.37 0.00	75.55 -7.20 0.03	76.98 -7.31 0.75	75.10 -7.65 0.39	74.37 -7.57 4.04	73.44 -6.53 -1.27	62.75 -5.29 -1.90	56.25 -4.58 -0.61	52.12 -4.38 -0.37	54.38 -4.27 -0.18	55.63 -4.04 -0.31	63.77 -4.70 1.68	64.35 -4.51 2.83	50.10 -3.80 2.87	58.64 -4.11 -0.44	54.44 -4.33 -0.23	52.82 -3.07 0.00	50.10 -2.76 -0.84
CHERRYST_13_KV_LD 356241	71.59 3.94 -3.06	68.40 3.28 -13.81	69.47 2.79 -19.41	67.59 2.99 -15.61	55.33 3.47 0.00	60.94 3.88 0.00	75.37 4.80 0.00	88.58 5.79 0.00	91.00 5.95 0.00	89.34 5.90 -0.30	94.22 6.45 -1.79	97.43 6.38 -12.34	81.01 5.29 -9.57	74.68 4.88 -9.58	74.66 4.49 -14.05	70.44 4.85 -7.12	76.30 4.93 -12.01	91.13 5.82 -15.15	98.85 5.95 -21.19	89.20 4.65 -27.78	75.61 4.98 -8.31	69.82 4.74 -6.53	60.42 4.53 0.00	60.34 3.80 -4.53



CHESTROR_138KV_BK263 355645	70.07 2.65 -2.83	66.35 2.21 -12.83	67.25 1.94 -18.04	65.56 2.06 -14.51	54.30 2.44 0.00	59.68 2.62 0.00	73.74 3.18 0.00	86.42 3.64 0.00	88.78 3.74 0.00	87.07 3.66 -0.27	91.85 4.21 -1.66	94.26 4.09 -11.46	78.46 3.44 -8.87	72.24 3.13 -8.88	72.07 2.92 -13.03	68.28 3.22 -6.61	73.77 3.26 -11.14	88.14 3.93 -14.05	95.37 4.02 -19.66	85.65 3.12 -25.76	73.45 3.43 -7.71	67.76 3.16 -6.06	58.96 3.07 0.00	58.78 2.55 -4.21
CH_MIDHUDSON___DRP 24192	71.39 3.55 -3.25	68.37 2.92 -14.14	69.61 2.55 -19.79	67.56 2.69 -15.88	54.92 3.06 0.00	60.37 3.31 0.00	74.59 4.02 0.00	87.42 4.64 0.00	89.89 4.85 0.00	88.28 4.82 -0.31	93.30 5.42 -1.90	96.65 5.27 -12.67	80.46 4.37 -9.94	74.04 3.97 -9.84	74.27 3.76 -14.39	69.79 4.03 -7.30	75.71 4.04 -12.31	90.46 4.77 -15.53	98.29 4.88 -21.72	89.09 3.80 -28.52	75.09 4.24 -8.54	69.16 3.92 -6.69	59.69 3.80 0.00	59.80 3.17 -4.61
CH_MISC_IPPS 23765	71.51 3.74 -3.18	68.27 3.08 -13.88	69.40 2.69 -19.44	67.44 2.84 -15.60	55.13 3.27 0.00	60.60 3.54 0.00	74.87 4.31 0.00	87.66 4.88 0.00	90.49 5.45 0.00	88.85 5.40 -0.31	93.94 6.11 -1.86	97.18 5.82 -12.65	80.92 4.89 -9.88	74.46 4.46 -9.79	74.65 4.21 -14.32	70.23 4.50 -7.26	75.65 4.28 -12.01	90.36 5.05 -15.15	98.05 5.17 -21.18	88.61 4.03 -27.81	75.13 4.49 -8.33	69.23 4.16 -6.53	59.92 4.03 0.00	59.92 3.38 -4.53
CH_RES_BVR_FALLS 23983	63.23 -1.36 0.00	50.08 -1.23 0.00	46.14 -1.13 0.00	47.77 -1.22 0.00	50.46 -1.40 0.00	55.52 -1.54 0.00	68.95 -1.62 0.00	80.96 -1.82 0.00	83.17 -1.87 0.00	81.31 -1.83 0.00	83.83 -2.15 0.00	76.59 -2.12 0.00	64.37 -1.78 0.00	58.54 -1.69 0.00	54.55 -1.57 0.00	56.65 -1.81 0.00	53.61 -1.90 3.85	67.91 -2.25 0.00	68.78 -2.30 0.62	55.01 -1.76 0.00	60.38 -1.93 0.00	56.73 -1.82 0.00	54.10 -1.79 0.00	50.50 -1.51 0.00
CH_RES_NIAGARA 23895	57.68 -6.91 0.00	48.86 -4.46 -2.01	46.37 -4.07 -3.16	47.46 -4.21 -2.68	47.35 -4.51 0.00	52.44 -4.62 0.00	62.52 -8.04 0.00	71.42 -11.34 0.02	72.84 -11.65 0.55	71.05 -11.81 0.29	71.99 -11.01 2.99	69.45 -10.63 -1.37	59.49 -8.40 -1.74	53.96 -7.05 -0.78	50.81 -6.06 -0.75	51.88 -6.96 -0.38	53.95 -6.05 -0.64	61.71 -7.72 0.73	62.52 -7.82 1.37	49.02 -6.59 1.16	56.32 -6.61 -0.61	52.85 -6.09 -0.40	50.47 -5.42 0.00	49.00 -3.80 -0.78
CH_RES_SYRACUSE 23985	63.36 -1.23 0.00	52.02 -0.72 -1.43	48.85 -0.66 -2.24	50.21 -0.69 -1.90	51.18 -0.68 0.00	56.38 -0.68 0.00	69.44 -1.13 0.00	81.13 -1.65 0.00	83.51 -1.53 0.00	81.39 -1.75 0.00	84.60 -1.38 0.00	79.14 -1.10 -1.53	66.43 -0.93 -1.21	60.62 -0.78 -1.18	57.11 -0.73 -1.72	58.69 -0.64 -0.87	60.29 -0.54 -1.46	71.44 -0.56 -1.85	73.86 -0.43 -2.58	59.16 -0.51 -2.90	62.66 -0.43 -0.85	58.87 -0.47 -0.80	55.44 -0.45 0.00	52.21 -0.36 -0.55
CLINTON_WT_PWR 323605	63.55 -1.04 0.00	50.23 -1.08 0.00	46.19 -1.09 0.00	47.82 -1.18 0.00	50.46 -1.40 0.00	55.63 -1.42 0.00	69.01 -1.55 0.00	81.45 -1.33 0.00	83.77 -1.27 0.00	82.06 -1.08 0.00	84.09 -1.89 0.00	76.50 -2.20 0.00	63.97 -2.18 0.00	57.87 -2.35 0.00	53.60 -2.52 0.00	55.30 -3.16 0.00	53.36 -3.50 2.50	66.16 -4.00 0.00	67.28 -4.01 0.41	53.70 -3.07 0.00	58.82 -3.49 0.00	55.32 -3.22 0.00	52.65 -3.24 0.00	49.47 -2.55 0.00
CLINTON___LFGE 323618	64.78 0.19 0.00	51.16 -0.15 0.00	47.04 -0.24 0.00	48.70 -0.29 0.00	51.39 -0.47 0.00	56.72 -0.34 0.00	70.15 -0.42 0.00	82.37 -0.41 0.00	84.54 -0.51 0.00	82.81 -0.33 0.00	85.03 -0.94 0.00	77.60 -1.10 0.00	64.96 -1.19 0.00	58.84 -1.38 0.00	54.49 -1.63 0.00	56.24 -2.22 0.00	54.33 -2.55 2.49	67.35 -2.81 0.00	68.50 -2.80 0.40	54.61 -2.16 0.00	59.75 -2.56 0.00	56.14 -2.40 0.00	53.38 -2.51 0.00	50.35 -1.67 0.00
COBBLENY_34_KV_TB1 80064	59.55 -5.04 0.00	49.47 -4.05 -2.21	47.07 -3.69 -3.48	48.12 -3.82 -2.95	48.75 -3.11 0.00	54.09 -2.97 0.00	65.20 -5.36 0.00	75.72 -7.04 0.03	77.21 -7.14 0.69	75.38 -7.40 0.36	74.87 -7.39 3.71	73.73 -6.38 -1.40	62.85 -5.23 -1.93	56.44 -4.52 -0.73	52.39 -4.32 -0.59	54.66 -4.09 -0.29	55.95 -3.92 -0.51	64.34 -4.56 1.26	65.04 -4.45 2.21	50.90 -3.75 2.12	58.70 -4.17 -0.56	54.37 -4.51 -0.33	52.76 -3.13 0.00	49.91 -2.96 -0.86
COFFEEN___115KV_TB3 355620	65.17 0.58 0.00	52.53 0.46 -0.75	48.69 0.24 -1.19	50.24 0.24 -1.01	52.07 0.21 0.00	57.40 0.34 0.00	71.27 0.71 0.00	83.94 1.16 0.00	85.98 0.94 0.00	83.97 0.83 0.00	87.61 1.63 0.00	80.73 1.57 -0.45	68.27 2.12 0.00	62.42 1.63 -0.57	58.53 1.40 -1.01	60.67 1.70 -0.51	60.78 1.13 -0.29	72.58 1.47 -0.95	74.67 1.72 -1.25	59.50 1.25 -1.49	64.06 1.31 -0.44	59.89 0.94 -0.41	56.56 0.67 0.00	52.72 0.42 -0.29
COLDSPRG_115KV_BK1 355956	61.98 -3.36 -0.75	50.53 -3.59 -2.82	47.92 -3.21 -3.86	48.63 -3.43 -3.06	49.99 -1.87 0.00	55.69 -1.37 0.00	67.39 -3.18 0.00	79.20 -3.56 0.02	80.84 -3.57 0.63	78.89 -3.99 0.26	79.21 -3.78 2.98	77.29 -2.99 -1.57	65.45 -2.71 -2.01	58.52 -2.59 -0.89	54.40 -2.58 -0.86	57.02 -1.87 -0.43	58.13 -1.96 0.83	67.71 -1.61 1.58	68.76 -1.36 1.33	54.18 -1.25 1.33	61.08 -1.93 -0.70	55.66 -3.34 -0.45	54.55 -1.34 0.00	50.67 -2.24 -0.89
COLONIE_LFGE___ 323577	94.84 3.61 -26.64	87.02 2.97 -32.73	81.45 2.69 -31.48	71.08 2.79 -19.30	54.81 2.95 0.00	60.19 3.14 0.00	74.30 3.74 0.00	87.25 4.47 0.00	89.63 4.59 0.00	90.29 4.57 -2.58	106.59 4.98 -15.62	111.70 4.72 -28.27	104.93 3.90 -34.88	79.58 3.55 -15.80	76.81 3.31 -17.38	70.78 3.51 -8.81	77.78 3.56 -14.86	93.18 4.28 -18.74	102.29 4.37 -26.21	104.12 3.46 -43.89	79.49 3.74 -13.44	70.08 3.45 -8.08	59.24 3.35 0.00	60.58 2.96 -5.60
COOPERNY_115KV_TB1 80082	68.88 1.94 -2.35	63.39 1.59 -10.49	63.41 1.42 -14.72	62.30 1.47 -11.83	53.62 1.76 0.00	58.94 1.88 0.00	72.83 2.26 0.00	85.43 2.65 0.00	87.76 2.72 0.00	86.11 2.74 -0.23	90.54 3.18 -1.38	91.24 3.15 -9.38	76.03 2.58 -7.30	69.83 2.35 -7.26	68.94 2.19 -10.63	66.25 2.40 -5.39	70.94 2.49 -9.09	84.57 2.95 -11.46	90.75 3.01 -16.03	80.14 2.33 -21.04	71.16 2.55 -6.30	65.83 2.34 -4.94	58.18 2.29 0.00	57.32 1.87 -3.43
COPENHAGEN_WT_PWR 323753	64.65 0.06 0.00	52.19 0.10 -0.78	48.45 -0.05 -1.23	49.99 -0.05 -1.04	51.75 -0.10 0.00	57.06 0.00 0.00	70.78 0.21 0.00	83.20 0.42 0.00	85.38 0.34 0.00	83.31 0.17 0.00	86.84 0.86 0.00	80.17 0.95 -0.51	65.02 -1.12 0.00	59.94 -1.02 -0.75	56.49 -0.95 -1.32	58.14 -0.99 -0.67	60.32 0.59 -0.37	71.94 0.77 -1.01	74.05 1.00 -1.34	59.04 0.68 -1.59	63.53 0.75 -0.47	59.44 0.47 -0.44	56.17 0.28 0.00	52.42 0.10 -0.30
CORNELL_____ 23752	65.93 0.32 -1.02	55.18 0.36 -3.51	52.35 0.33 -4.75	53.03 0.29 -3.74	52.43 0.57 0.00	57.86 0.80 0.00	71.27 0.71 0.00	83.54 0.75 -0.01	86.07 0.77 -0.26	83.71 0.33 -0.23	88.74 0.77 -1.99	83.11 0.87 -3.54	69.60 0.79 -2.65	63.60 0.60 -2.77	60.77 0.51 -4.15	61.44 0.88 -2.11	64.04 1.13 -3.55	76.90 1.54 -5.20	81.01 1.79 -7.52	67.73 1.25 -9.71	66.05 1.31 -2.43	61.45 1.00 -1.91	56.90 1.01 0.00	53.93 0.83 -1.09



CORONA__69_KV_TB1 355595	116.61 4.65 -47.37	82.98 3.80 -27.87	81.78 3.36 -31.15	77.80 3.53 -25.28	77.76 3.99 -21.91	77.37 4.45 -15.86	129.08 5.36 -53.15	148.89 6.21 -59.90	152.03 6.38 -60.61	152.18 6.40 -62.64	169.44 7.05 -76.41	144.67 6.85 -59.11	135.73 5.69 -63.89	130.16 5.18 -64.76	129.89 4.83 -68.94	144.51 5.14 -80.90	142.01 5.28 -77.36	153.86 6.31 -77.39	153.75 6.45 -75.59	144.47 5.05 -82.65	137.22 5.42 -69.49	118.63 5.15 -54.94	114.48 4.97 -53.61	106.92 4.27 -50.64
CORTLAND__115KV_TB3 80093	65.36 0.00 -0.77	54.24 0.10 -2.83	51.19 0.05 -3.87	52.11 0.05 -3.07	52.17 0.31 0.00	57.46 0.40 0.00	70.85 0.28 0.00	82.95 0.17 0.00	85.38 0.26 -0.08	83.17 -0.08 -0.12	87.22 0.34 -0.90	81.83 0.47 -2.65	68.61 0.40 -2.06	62.57 0.30 -2.05	59.41 0.28 -3.01	60.52 0.53 -1.53	62.59 0.65 -2.58	74.56 0.91 -3.48	77.73 1.08 -4.95	63.97 0.74 -6.47	64.85 0.75 -1.79	60.46 0.53 -1.40	56.50 0.61 0.00	53.37 0.47 -0.89
COXSACKIE__GT 23611	81.87 5.04 -12.24	77.35 4.05 -21.99	76.39 3.73 -25.39	70.95 3.82 -18.13	56.94 5.09 0.00	62.48 5.42 0.00	76.85 6.28 0.00	89.24 6.46 0.00	92.19 7.14 0.00	90.06 5.73 -1.19	99.17 6.02 -7.18	103.40 5.43 -19.27	90.54 4.50 -19.89	76.86 4.04 -12.61	76.49 4.09 -16.27	71.15 4.44 -8.25	77.51 4.15 -13.99	92.87 5.05 -17.65	101.41 5.02 -24.69	96.50 3.91 -35.82	77.75 4.61 -10.83	70.25 4.10 -7.61	60.53 4.64 0.00	61.09 3.80 -5.28
CPV_VALLEY__CC1 323721	69.35 2.13 -2.63	65.08 1.79 -11.97	65.68 1.56 -16.85	64.21 1.67 -13.55	53.88 2.02 0.00	59.17 2.11 0.00	73.18 2.61 0.00	85.85 3.06 0.00	88.19 3.15 0.00	86.47 3.08 -0.25	91.05 3.53 -1.54	92.95 3.55 -10.70	77.41 2.98 -8.28	71.24 2.71 -8.30	70.82 2.53 -12.18	67.38 2.75 -6.17	72.58 2.79 -10.43	86.61 3.30 -13.16	93.47 3.37 -18.40	83.49 2.61 -24.11	72.40 2.87 -7.22	66.85 2.64 -5.67	58.52 2.63 0.00	58.08 2.13 -3.93
CPV_VALLEY__CC2 323722	69.35 2.13 -2.63	65.08 1.79 -11.97	65.68 1.56 -16.85	64.21 1.67 -13.55	53.88 2.02 0.00	59.17 2.11 0.00	73.18 2.61 0.00	85.85 3.06 0.00	88.19 3.15 0.00	86.47 3.08 -0.25	91.05 3.53 -1.54	92.95 3.55 -10.70	77.41 2.98 -8.28	71.24 2.71 -8.30	70.82 2.53 -12.18	67.38 2.75 -6.17	72.58 2.79 -10.43	86.61 3.30 -13.16	93.47 3.37 -18.40	83.49 2.61 -24.11	72.40 2.87 -7.22	66.85 2.64 -5.67	58.52 2.63 0.00	58.08 2.13 -3.93
CRESCENT__HYD 24018	94.84 3.61 -26.64	87.02 2.97 -32.73	81.45 2.69 -31.48	71.08 2.79 -19.30	54.81 2.95 0.00	60.19 3.14 0.00	74.30 3.74 0.00	87.25 4.47 0.00	89.63 4.59 0.00	90.29 4.57 -2.58	106.59 4.98 -15.62	111.70 4.72 -28.27	104.93 3.90 -34.88	79.58 3.55 -15.80	76.81 3.31 -17.38	70.78 3.51 -8.81	77.78 3.56 -14.86	93.18 4.28 -18.74	102.29 4.37 -26.21	104.12 3.46 -43.89	79.49 3.74 -13.44	70.08 3.45 -8.08	59.24 3.35 0.00	60.58 2.96 -5.60
CRICKET__VALLEY_CC1 323756	71.67 3.36 -3.72	68.88 2.72 -14.85	70.24 2.41 -20.56	67.94 2.55 -16.40	54.50 2.64 0.00	59.91 2.85 0.00	74.02 3.46 0.00	86.92 4.14 0.00	89.21 4.17 0.00	87.66 4.16 -0.36	92.80 4.64 -2.18	96.52 4.56 -13.26	80.54 3.84 -10.55	73.87 3.49 -10.15	74.14 3.25 -14.76	69.46 3.51 -7.49	75.54 3.56 -12.62	90.28 4.21 -15.91	98.26 4.30 -22.26	89.49 3.35 -29.38	74.79 3.68 -8.80	68.80 3.39 -6.86	59.24 3.35 0.00	59.58 2.81 -4.76
CRICKET__VALLEY_CC2 323757	71.67 3.36 -3.72	68.88 2.72 -14.85	70.24 2.41 -20.56	67.94 2.55 -16.40	54.50 2.64 0.00	59.91 2.85 0.00	74.02 3.46 0.00	86.92 4.14 0.00	89.21 4.17 0.00	87.66 4.16 -0.36	92.80 4.64 -2.18	96.52 4.56 -13.26	80.54 3.84 -10.55	73.87 3.49 -10.15	74.14 3.25 -14.76	69.46 3.51 -7.49	75.54 3.56 -12.62	90.28 4.21 -15.91	98.26 4.30 -22.26	89.49 3.35 -29.38	74.79 3.68 -8.80	68.80 3.39 -6.86	59.24 3.35 0.00	59.58 2.81 -4.76
CRICKET__VALLEY_CC3 323758	71.67 3.36 -3.72	68.88 2.72 -14.85	70.24 2.41 -20.56	67.94 2.55 -16.40	54.50 2.64 0.00	59.91 2.85 0.00	74.02 3.46 0.00	86.92 4.14 0.00	89.21 4.17 0.00	87.66 4.16 -0.36	92.80 4.64 -2.18	96.52 4.56 -13.26	80.54 3.84 -10.55	73.87 3.49 -10.15	74.14 3.25 -14.76	69.46 3.51 -7.49	75.54 3.56 -12.62	90.28 4.21 -15.91	98.26 4.30 -22.26	89.49 3.35 -29.38	74.79 3.68 -8.80	68.80 3.39 -6.86	59.24 3.35 0.00	59.58 2.81 -4.76
CRUCIBLE__METL_DRP 24180	63.36 -1.23 0.00	52.02 -0.72 -1.43	48.85 -0.66 -2.24	50.21 -0.69 -1.90	51.18 -0.67 0.00	56.37 -0.68 0.00	69.44 -1.13 0.00	81.13 -1.66 0.00	83.51 -1.53 0.00	81.39 -1.75 0.00	84.60 -1.38 0.00	79.13 -1.10 -1.53	66.50 -0.86 -1.21	60.62 -0.78 -1.18	57.11 -0.73 -1.72	58.69 -0.64 -0.87	60.30 -0.53 -1.47	71.46 -0.56 -1.86	73.87 -0.43 -2.60	59.68 -0.51 -3.42	62.84 -0.50 -1.03	58.93 -0.41 -0.80	55.44 -0.45 0.00	52.20 -0.36 -0.55
DAHOWA__HYDRO 323763	101.17 5.04 -31.54	91.73 4.11 -36.31	84.49 3.78 -33.44	72.46 3.87 -19.60	56.11 4.25 0.00	61.74 4.68 0.00	76.07 5.51 0.00	89.57 6.79 0.00	92.02 6.97 0.00	93.09 6.90 -3.06	111.87 7.40 -18.50	116.61 6.77 -31.13	111.43 5.56 -39.72	82.06 5.06 -16.78	78.47 4.71 -17.64	72.49 5.08 -8.94	79.60 5.16 -15.08	95.42 6.24 -19.02	104.62 6.31 -26.60	108.14 5.05 -46.33	82.03 5.48 -14.23	71.83 5.09 -8.20	60.81 4.92 0.00	62.02 4.31 -5.69
DANC__LFGE 323619	63.88 -0.71 0.00	51.77 -0.46 -0.92	48.20 -0.52 -1.45	49.69 -0.54 -1.23	51.29 -0.57 0.00	56.49 -0.57 0.00	69.79 -0.77 0.00	81.95 -0.83 0.00	84.11 -0.93 0.00	82.06 -1.08 0.00	85.46 -0.51 0.00	79.05 -0.24 -0.58	65.02 -1.12 0.00	59.94 -1.02 -0.75	56.49 -0.95 -1.32	58.14 -0.99 -0.67	59.78 -0.24 -0.66	71.21 -0.14 -1.20	73.33 0.00 -1.62	58.53 -0.11 -1.88	62.80 -0.06 -0.55	58.94 -0.12 -0.52	55.61 -0.28 0.00	52.06 -0.31 -0.36
DANSKAMMER__1 23586	71.51 3.74 -3.18	68.27 3.08 -13.88	69.40 2.69 -19.44	67.44 2.84 -15.60	55.13 3.27 0.00	60.60 3.54 0.00	74.87 4.31 0.00	87.66 4.88 0.00	90.49 5.45 0.00	88.85 5.40 -0.31	93.94 6.11 -1.86	97.18 5.82 -12.65	80.92 4.89 -9.88	74.46 4.46 -9.79	74.65 4.21 -14.32	70.23 4.50 -7.26	75.65 4.28 -12.01	90.36 5.05 -15.15	98.05 5.17 -21.18	88.61 4.03 -27.81	75.13 4.49 -8.33	69.23 4.16 -6.53	59.92 4.03 0.00	59.92 3.38 -4.53
DANSKAMMER__2 23589	71.51 3.74 -3.18	68.27 3.08 -13.88	69.40 2.69 -19.44	67.44 2.84 -15.60	55.13 3.27 0.00	60.60 3.54 0.00	74.87 4.31 0.00	87.66 4.88 0.00	90.49 5.45 0.00	88.85 5.40 -0.31	93.94 6.11 -1.86	97.18 5.82 -12.65	80.92 4.89 -9.88	74.46 4.46 -9.79	74.65 4.21 -14.32	70.23 4.50 -7.26	75.65 4.28 -12.01	90.36 5.05 -15.15	98.05 5.17 -21.18	88.61 4.03 -27.81	75.13 4.49 -8.33	69.23 4.16 -6.53	59.92 4.03 0.00	59.92 3.38 -4.53
DANSKAMMER__3 23590	71.51 3.74 -3.18	68.27 3.08 -13.88	69.40 2.69 -19.44	67.44 2.84 -15.60	55.13 3.27 0.00	60.60 3.54 0.00	74.87 4.31 0.00	87.66 4.88 0.00	90.49 5.45 0.00	88.85 5.40 -0.31	93.94 6.11 -1.86	97.18 5.82 -12.65	80.92 4.89 -9.88	74.46 4.46 -9.79	74.65 4.21 -14.32	70.23 4.50 -7.26	75.65 4.28 -12.01	90.36 5.05 -15.15	98.05 5.17 -21.18	88.61 4.03 -27.81	75.13 4.49 -8.33	69.23 4.16 -6.53	59.92 4.03 0.00	59.92 3.38 -4.53



DANSKAMMER___4 23591	71.51 3.74 -3.18	68.27 3.08 -13.88	69.40 2.69 -19.44	67.44 2.84 -15.60	55.13 3.27 0.00	60.60 3.54 0.00	74.87 4.31 0.00	87.66 4.88 0.00	90.49 5.45 0.00	88.85 5.40 -0.31	93.94 6.11 -1.86	97.18 5.82 -12.65	80.92 4.89 -9.88	74.46 4.46 -9.79	74.65 4.21 -14.32	70.23 4.50 -7.26	75.65 4.28 -12.01	90.36 5.05 -15.15	98.05 5.17 -21.18	88.61 4.03 -27.81	75.13 4.49 -8.33	69.23 4.16 -6.53	59.92 4.03 0.00	59.92 3.38 -4.53
DANSKAMMER___DIESEL 23592	71.51 3.75 -3.18	68.27 3.08 -13.88	69.41 2.69 -19.44	67.44 2.84 -15.60	55.13 3.27 0.00	60.60 3.54 0.00	74.87 4.30 0.00	87.67 4.88 0.00	90.49 5.44 0.00	88.85 5.40 -0.31	93.94 6.10 -1.86	97.05 5.82 -12.52	80.92 4.90 -9.88	74.46 4.46 -9.79	74.65 4.21 -14.32	70.22 4.50 -7.26	75.88 4.27 -12.25	90.66 5.05 -15.45	98.47 5.16 -21.61	89.17 4.03 -28.37	75.29 4.49 -8.49	69.36 4.16 -6.66	59.91 4.02 0.00	59.92 3.38 -4.53
DARBY___SOLAR 323810	100.18 4.65 -30.93	90.97 3.80 -35.87	83.96 3.50 -33.19	72.17 3.63 -19.56	55.80 3.94 0.00	61.34 4.28 0.00	75.65 5.08 0.00	88.99 6.21 0.00	91.42 6.38 0.00	92.45 6.32 -3.00	110.91 6.79 -18.14	115.73 6.22 -30.80	110.48 5.16 -39.17	81.59 4.70 -16.66	78.10 4.38 -17.60	72.07 4.68 -8.93	79.22 4.81 -15.05	94.90 5.75 -18.98	104.13 5.88 -26.55	107.46 4.66 -46.04	81.49 5.05 -14.14	71.41 4.69 -8.18	60.42 4.53 0.00	61.70 4.01 -5.68
DASHVILLE___HYD 23610	72.01 2.39 -5.03	68.79 2.00 -15.48	69.53 1.70 -20.56	66.84 1.81 -16.04	54.76 2.90 0.00	60.14 3.08 0.00	74.31 3.74 0.00	86.92 4.14 0.00	89.29 4.25 0.00	86.87 3.24 -0.49	92.63 3.70 -2.95	96.08 3.62 -13.76	80.92 3.04 -11.73	73.14 2.77 -10.15	73.16 2.64 -14.40	68.69 2.92 -7.30	74.65 2.97 -12.32	89.28 3.58 -15.54	97.09 3.66 -21.73	88.89 2.84 -29.28	74.28 3.18 -8.79	68.17 2.93 -6.70	59.41 3.52 0.00	58.91 2.24 -4.66
DEERFIELD_69_KV_DEERFIELD LD 355887	118.29 6.33 -47.37	84.36 5.18 -27.87	82.96 4.54 -31.15	79.12 4.85 -25.28	79.16 5.39 -21.91	78.79 5.88 -15.86	130.99 7.27 -53.15	151.79 9.11 -59.90	155.30 9.61 -60.65	155.13 9.31 -62.68	171.96 9.46 -76.53	145.93 8.11 -59.11	136.06 6.02 -63.89	130.64 5.66 -64.76	130.45 5.39 -68.94	145.62 6.26 -80.90	143.08 6.35 -77.36	155.55 8.00 -77.39	155.88 8.46 -75.71	145.66 6.24 -82.65	138.72 6.92 -69.49	119.80 6.32 -54.94	115.76 6.26 -53.61	108.27 5.62 -50.64
DELAWARE___LFGE 323621	71.07 1.94 -4.55	61.16 1.59 -8.25	58.26 1.42 -9.57	57.31 1.47 -6.85	53.62 1.76 0.00	58.94 1.88 0.00	72.83 2.26 0.00	85.51 2.73 0.00	87.76 2.72 0.00	86.32 2.74 -0.44	91.91 3.27 -2.67	89.63 3.15 -7.77	77.10 2.58 -8.37	67.49 2.35 -4.92	64.36 2.08 -6.17	63.93 2.34 -3.13	67.07 2.43 -5.27	79.76 2.95 -6.65	84.03 3.01 -9.31	73.03 2.33 -13.93	69.03 2.49 -4.22	63.63 2.22 -2.87	58.07 2.18 0.00	55.77 1.77 -1.99
DERFIELD_115KV_TB7 355931	65.17 0.58 0.00	51.82 0.51 0.00	47.74 0.47 0.00	49.48 0.49 0.00	52.38 0.52 0.00	57.57 0.51 0.00	71.20 0.64 0.00	83.53 0.75 0.00	85.81 0.77 0.00	83.89 0.75 0.00	86.92 0.95 0.00	79.65 0.94 0.00	66.94 0.79 0.00	60.95 0.72 0.00	56.74 0.62 0.00	59.16 0.70 0.00	60.21 0.71 -0.14	71.00 0.84 0.00	72.58 0.86 -0.02	57.45 0.68 0.00	63.06 0.75 0.00	59.24 0.70 0.00	56.56 0.67 0.00	52.54 0.52 0.00
DOGLEVILLE___HYD 23807	65.75 1.16 0.00	52.28 0.97 0.00	48.12 0.85 0.00	49.92 0.93 0.00	52.89 1.04 0.00	58.14 1.08 0.00	71.84 1.27 0.00	84.27 1.49 0.00	86.49 1.44 0.00	84.64 1.50 0.00	88.13 2.15 0.00	81.07 2.36 0.00	67.94 1.79 0.00	61.55 1.32 0.00	56.91 0.79 0.00	59.17 0.70 0.00	60.22 0.71 -0.14	71.00 0.84 0.00	72.59 0.86 -0.02	57.45 0.68 0.00	63.06 0.75 0.00	59.42 0.88 0.00	56.78 0.89 0.00	52.80 0.78 0.00
DUNKIRK___115KV_TB_200 55889	59.49 -5.10 0.00	49.59 -3.90 -2.18	47.19 -3.50 -3.42	48.17 -3.72 -2.90	48.59 -3.27 0.00	54.03 -3.02 0.00	65.20 -5.36 0.00	75.47 -7.28 0.03	76.98 -7.31 0.75	75.02 -7.73 0.39	74.26 -7.65 4.07	73.35 -6.61 -1.26	62.75 -5.29 -1.89	56.24 -4.58 -0.60	52.09 -4.38 -0.35	54.36 -4.27 -0.17	55.56 -4.10 -0.30	63.68 -4.77 1.71	64.24 -4.59 2.87	49.99 -3.86 2.91	58.57 -4.17 -0.43	54.49 -4.27 -0.23	52.76 -3.13 0.00	50.10 -2.76 -0.84
DUNKIRK___1 23563	59.49 -5.10 0.00	49.59 -3.90 -2.18	47.19 -3.50 -3.42	48.17 -3.72 -2.90	48.59 -3.27 0.00	54.03 -3.02 0.00	65.20 -5.36 0.00	75.47 -7.28 0.03	76.98 -7.31 0.75	75.02 -7.73 0.39	74.26 -7.65 4.07	73.35 -6.61 -1.26	62.75 -5.29 -1.89	56.24 -4.58 -0.60	52.09 -4.38 -0.35	54.36 -4.27 -0.17	55.56 -4.10 -0.30	63.68 -4.77 1.71	64.24 -4.59 2.87	49.99 -3.86 2.91	58.57 -4.17 -0.43	54.49 -4.27 -0.23	52.76 -3.13 0.00	50.10 -2.76 -0.84
DUNKIRK___2 23564	59.49 -5.10 0.00	49.59 -3.90 -2.18	47.19 -3.50 -3.42	48.17 -3.72 -2.90	48.59 -3.27 0.00	54.03 -3.02 0.00	65.20 -5.36 0.00	75.47 -7.28 0.03	76.98 -7.31 0.75	75.02 -7.73 0.39	74.26 -7.65 4.07	73.35 -6.61 -1.26	62.75 -5.29 -1.89	56.24 -4.58 -0.60	52.09 -4.38 -0.35	54.36 -4.27 -0.17	55.56 -4.10 -0.30	63.68 -4.77 1.71	64.24 -4.59 2.87	49.99 -3.86 2.91	58.57 -4.17 -0.43	54.49 -4.27 -0.23	52.76 -3.13 0.00	50.10 -2.76 -0.84
DUNKIRK___3 23565	59.36 -5.23 0.00	49.41 -4.05 -2.16	46.97 -3.69 -3.39	48.00 -3.87 -2.87	48.49 -3.37 0.00	53.92 -3.14 0.00	64.99 -5.57 0.00	75.30 -7.45 0.03	76.69 -7.57 0.78	74.84 -7.90 0.41	73.93 -7.82 4.23	73.13 -6.77 -1.19	62.53 -5.49 -1.87	56.00 -4.76 -0.53	51.87 -4.49 -0.24	54.19 -4.38 -0.11	55.35 -4.21 -0.20	63.33 -4.91 1.91	63.73 -4.80 3.17	49.46 -4.03 3.28	58.32 -4.36 -0.37	54.21 -4.51 -0.18	52.59 -3.30 0.00	49.88 -2.96 -0.83
DUNKIRK___4 23566	59.36 -5.23 0.00	49.41 -4.05 -2.16	46.97 -3.69 -3.39	48.00 -3.87 -2.87	48.49 -3.37 0.00	53.92 -3.14 0.00	64.99 -5.57 0.00	75.30 -7.45 0.03	76.69 -7.57 0.78	74.84 -7.90 0.41	73.93 -7.82 4.23	73.13 -6.77 -1.19	62.53 -5.49 -1.87	56.00 -4.76 -0.53	51.87 -4.49 -0.24	54.19 -4.38 -0.11	55.35 -4.21 -0.20	63.33 -4.91 1.91	63.73 -4.80 3.17	49.46 -4.03 3.28	58.32 -4.36 -0.37	54.21 -4.51 -0.18	52.59 -3.30 0.00	49.88 -2.96 -0.83
DUNWOODS_138_KV_38W08_REV_LBMP_I 345000	71.33 3.68 -3.06	68.15 3.03 -13.81	69.28 2.60 -19.41	67.39 2.79 -15.61	55.07 3.22 0.00	60.60 3.54 0.00	74.87 4.30 0.00	88.00 5.22 0.00	90.32 5.27 0.00	88.67 5.24 -0.30	93.62 5.85 -1.79	96.72 5.67 -12.34	80.48 4.76 -9.57	74.20 4.40 -9.58	74.21 4.04 -14.05	69.97 4.38 -7.12	75.83 4.45 -12.01	90.57 5.26 -15.15	98.34 5.45 -21.19	88.75 4.20 -27.78	75.24 4.61 -8.31	69.35 4.27 -6.53	60.03 4.14 0.00	59.98 3.43 -4.53
E.WALDEN_115_KV_TR_1_REV_LBMP_G 345009	70.77 3.10 -3.08	67.33 2.57 -13.46	68.39 2.27 -18.85	66.52 2.40 -15.13	54.66 2.80 0.00	60.08 3.02 0.00	74.31 3.74 0.00	87.00 4.22 0.00	89.04 4.00 0.00	87.43 3.99 -0.30	92.25 4.47 -1.81	95.05 4.41 -11.93	79.00 3.64 -9.22	72.72 3.37 -9.13	72.62 3.14 -13.35	68.68 3.45 -6.77	74.52 3.74 -11.42	88.98 4.42 -14.40	96.36 4.52 -20.15	86.74 3.52 -26.46	74.16 3.93 -7.92	68.38 3.63 -6.21	59.41 3.52 0.00	59.32 2.91 -4.39



E179THST_138_KV_TB4_REV_LBMP_J 345001	71.98 4.33 -3.07	68.72 3.59 -13.82	69.80 3.12 -19.41	67.93 3.33 -15.61	55.50 3.63 -0.01	61.00 3.94 -0.01	75.59 5.01 -0.01	88.75 5.96 -0.01	90.49 5.44 0.00	88.92 5.49 -0.30	93.79 6.02 -1.79	96.96 5.90 -12.35	80.68 4.96 -9.57	74.38 4.58 -9.58	74.38 4.21 -14.05	70.20 4.62 -7.12	76.06 4.69 -12.01	90.85 5.54 -15.15	98.57 5.66 -21.20	88.98 4.43 -27.78	75.36 4.74 -8.31	69.70 4.62 -6.53	60.43 4.53 -0.01	60.35 3.80 -4.54
E179THST_13_KV_LOAD 356214	72.24 4.59 -3.07	68.92 3.80 -13.82	69.99 3.31 -19.41	68.13 3.53 -15.61	55.70 3.84 -0.01	61.23 4.17 -0.01	75.87 5.29 -0.01	89.08 6.29 -0.01	90.91 5.87 0.00	89.26 5.82 -0.30	94.22 6.45 -1.79	97.35 6.30 -12.35	81.01 5.29 -9.57	74.68 4.88 -9.58	74.66 4.49 -14.05	70.50 4.91 -7.12	76.36 4.99 -12.01	91.28 5.96 -15.15	99.00 6.09 -21.20	89.26 4.71 -27.78	75.67 5.05 -8.31	69.99 4.92 -6.53	60.70 4.81 -0.01	60.61 4.06 -4.54
EAST HAMPTON___GT 23717	117.84 5.88 -47.37	84.00 4.82 -27.87	82.68 4.26 -31.15	78.77 4.50 -25.28	78.80 5.03 -21.91	78.34 5.42 -15.86	130.43 6.71 -53.15	151.29 8.61 -59.90	154.80 9.10 -60.65	154.72 8.90 -62.68	171.28 8.77 -76.53	145.14 7.32 -59.11	134.74 4.70 -63.89	129.32 4.34 -64.76	129.32 4.26 -68.94	144.45 5.08 -80.90	142.48 5.76 -77.36	154.84 7.30 -77.39	155.16 7.75 -75.71	145.03 5.62 -82.64	137.97 6.17 -69.49	119.10 5.62 -54.94	115.04 5.53 -53.61	107.86 5.20 -50.64
EAST RIVER___6 23660	71.20 3.55 -3.06	68.09 2.97 -13.81	69.18 2.50 -19.41	67.29 2.69 -15.61	55.02 3.16 0.00	60.54 3.48 0.00	74.94 4.38 0.00	88.16 5.38 0.00	90.57 5.52 0.00	89.01 5.57 -0.30	93.88 6.11 -1.79	97.11 6.06 -12.35	80.74 5.02 -9.57	74.44 4.64 -9.58	74.43 4.26 -14.05	70.20 4.62 -7.12	76.06 4.69 -12.01	90.85 5.54 -15.15	98.55 5.66 -21.19	88.91 4.37 -27.77	75.36 4.73 -8.31	69.52 4.45 -6.53	60.14 4.25 0.00	60.03 3.49 -4.53
EAST RIVER___7 23524	71.20 3.55 -3.06	68.09 2.97 -13.81	69.18 2.50 -19.41	67.29 2.69 -15.61	55.02 3.16 0.00	60.54 3.48 0.00	74.94 4.38 0.00	88.16 5.38 0.00	90.57 5.52 0.00	89.01 5.57 -0.30	93.88 6.11 -1.79	97.11 6.06 -12.35	80.74 5.02 -9.57	74.44 4.64 -9.58	74.43 4.26 -14.05	70.20 4.62 -7.12	76.06 4.69 -12.01	90.85 5.54 -15.15	98.55 5.66 -21.19	88.91 4.37 -27.77	75.36 4.73 -8.31	69.52 4.45 -6.53	60.14 4.25 0.00	60.03 3.49 -4.53
EASTVIEW_138_KV_38W32_REV_LBMP_I 345002	71.19 3.55 -3.05	68.00 2.92 -13.77	69.13 2.51 -19.36	67.25 2.69 -15.56	54.97 3.11 0.00	60.48 3.42 0.00	74.73 4.16 0.00	87.75 4.97 0.00	90.06 5.02 0.00	88.42 4.99 -0.30	93.36 5.59 -1.79	96.53 5.51 -12.31	80.26 4.56 -9.54	73.99 4.22 -9.55	74.00 3.87 -14.01	69.77 4.21 -7.10	75.61 4.27 -11.98	90.32 5.05 -15.11	98.00 5.16 -21.13	88.55 4.09 -27.70	75.03 4.42 -8.29	69.15 4.10 -6.51	59.86 3.97 0.00	59.86 3.33 -4.52
EAST_HAMPTON___DIESEL 23722	117.71 5.75 -47.37	83.90 4.72 -27.87	82.53 4.11 -31.15	78.68 4.41 -25.28	78.70 4.93 -21.91	78.22 5.31 -15.86	130.29 6.56 -53.15	151.13 8.45 -59.90	154.62 8.93 -60.65	154.55 8.73 -62.68	171.02 8.51 -76.53	144.98 7.16 -59.11	134.60 4.56 -63.89	129.19 4.21 -64.76	129.15 4.09 -68.94	144.27 4.91 -80.90	142.30 5.58 -77.36	154.71 7.16 -77.39	154.94 7.53 -75.71	144.86 5.45 -82.64	137.84 6.04 -69.49	118.92 5.45 -54.94	114.87 5.37 -53.61	107.76 5.10 -50.64
EAST_POINT___SOLAR 323840	101.83 5.36 -31.88	93.63 4.36 -37.96	87.11 4.07 -35.77	74.63 4.16 -21.48	56.63 4.77 0.00	62.25 5.19 0.00	76.92 6.35 0.00	90.65 7.87 0.00	92.53 7.49 0.00	93.05 6.82 -3.09	111.56 6.88 -18.70	116.06 5.35 -32.00	111.41 5.49 -39.78	82.91 4.94 -17.75	79.95 4.49 -19.34	73.12 4.85 -9.81	81.35 5.46 -16.53	98.03 7.02 -20.86	108.11 7.24 -29.17	111.80 5.79 -49.24	83.63 6.23 -15.09	73.39 5.85 -8.99	61.48 5.59 0.00	62.93 4.68 -6.24
EAST_PULASKI___ESR 323781	63.17 -1.42 0.00	51.45 -0.92 -1.06	48.04 -0.90 -1.67	49.47 -0.93 -1.41	50.87 -0.99 0.00	56.03 -1.03 0.00	69.08 -1.49 0.00	80.88 -1.90 0.00	83.09 -1.95 0.00	81.06 -2.08 0.00	84.26 -1.72 0.00	78.09 -1.26 -0.65	64.96 -1.19 0.00	59.90 -1.08 -0.75	56.45 -1.01 -1.34	58.14 -0.99 -0.68	59.47 -0.83 -0.94	70.62 -0.91 -1.37	72.81 -0.79 -1.89	58.19 -0.74 -2.16	62.20 -0.74 -0.63	58.49 -0.64 -0.59	55.16 -0.73 0.00	51.75 -0.68 -0.41
EAST_RIVER___1 323558	71.46 3.81 -3.06	68.25 3.13 -13.81	69.37 2.69 -19.41	67.49 2.89 -15.61	55.23 3.37 0.00	60.76 3.71 0.00	75.15 4.58 0.00	88.33 5.55 0.00	90.65 5.61 0.00	89.09 5.66 -0.30	93.97 6.19 -1.79	97.11 6.06 -12.35	80.81 5.09 -9.57	74.50 4.70 -9.58	74.49 4.32 -14.05	70.20 4.62 -7.12	76.06 4.69 -12.01	90.92 5.61 -15.15	98.63 5.74 -21.19	89.02 4.48 -27.77	75.42 4.80 -8.31	69.64 4.57 -6.53	60.25 4.36 0.00	60.18 3.64 -4.53
EAST_RIVER___2 323559	71.20 3.55 -3.06	68.09 2.97 -13.81	69.18 2.50 -19.41	67.29 2.69 -15.61	55.02 3.16 0.00	60.54 3.48 0.00	74.94 4.38 0.00	88.16 5.38 0.00	90.57 5.52 0.00	89.01 5.57 -0.30	93.88 6.11 -1.79	97.11 6.06 -12.35	80.74 5.02 -9.57	74.44 4.64 -9.58	74.43 4.26 -14.05	70.20 4.62 -7.12	76.06 4.69 -12.01	90.85 5.54 -15.15	98.55 5.66 -21.19	88.91 4.37 -27.77	75.36 4.73 -8.31	69.52 4.45 -6.53	60.14 4.25 0.00	60.03 3.49 -4.53
EAST___DELAWARE_HYD 23607	71.14 3.23 -3.32	66.89 2.62 -12.97	67.43 2.27 -17.89	65.69 2.45 -14.25	54.76 2.90 0.00	60.19 3.14 0.00	74.45 3.88 0.00	86.92 4.14 0.00	89.29 4.25 0.00	87.62 4.16 -0.32	92.65 4.73 -1.95	94.79 4.56 -11.52	79.15 3.77 -9.23	72.44 3.43 -8.79	72.07 3.20 -12.75	68.50 3.57 -6.47	74.07 3.74 -10.97	88.55 4.56 -13.84	95.65 4.59 -19.35	85.98 3.64 -25.58	74.02 4.05 -7.66	68.20 3.69 -5.97	59.47 3.58 0.00	59.12 2.96 -4.14
EIGHT_POINT___WT_PWR 323820	61.29 -4.20 -0.90	51.21 -3.39 -3.29	48.65 -3.12 -4.50	49.32 -3.24 -3.56	49.16 -2.70 0.00	54.66 -2.39 0.00	66.26 -4.31 0.00	77.67 -5.21 -0.10	82.68 -5.10 -2.73	78.91 -5.74 -1.50	95.76 -5.50 -15.29	80.61 -5.11 -7.02	64.17 -4.50 -2.52	62.63 -4.22 -6.62	63.65 -3.93 -11.46	60.55 -3.74 -5.84	65.97 -3.21 -9.81	86.86 -3.30 -20.00	99.19 -3.01 -30.49	91.29 -2.55 -37.08	65.51 -2.87 -6.06	60.47 -3.16 -5.09	53.88 -2.01 0.00	50.97 -2.08 -1.03
ELBRIDGE_115KV_TB2 80188	62.97 -1.61 0.00	51.78 -1.03 -1.50	48.68 -0.95 -2.35	50.01 -0.98 -2.00	50.92 -0.93 0.00	56.09 -0.97 0.00	69.01 -1.55 0.00	80.63 -2.15 0.00	82.92 -2.13 0.00	80.89 -2.24 0.00	84.00 -1.98 0.00	78.58 -1.73 -1.61	66.11 -1.32 -1.28	60.26 -1.20 -1.24	56.80 -1.12 -1.80	58.32 -1.05 -0.91	60.02 -0.89 -1.54	71.06 -1.05 -1.95	73.50 -0.93 -2.73	59.51 -0.85 -3.59	62.52 -0.87 -1.08	58.56 -0.82 -0.84	55.11 -0.78 0.00	51.97 -0.62 -0.58
ELEC_TRO_TEK 24086	116.42 4.46 -47.37	82.82 3.64 -27.87	81.64 3.21 -31.15	77.65 3.38 -25.28	77.61 3.84 -21.91	77.20 4.28 -15.86	128.94 5.22 -53.15	148.89 6.21 -59.90	152.03 6.38 -60.61	152.09 6.32 -62.64	169.35 6.96 -76.41	144.59 6.77 -59.11	135.67 5.62 -63.89	130.10 5.12 -64.76	129.83 4.77 -68.94	144.51 5.14 -80.90	141.95 5.22 -77.36	153.72 6.17 -77.39	153.60 6.31 -75.59	144.35 4.94 -82.65	137.16 5.36 -69.49	118.45 4.98 -54.94	114.31 4.81 -53.61	106.77 4.11 -50.64



ELLENBURG_WT_PWR 323604	63.55 -1.04 0.00	50.23 -1.08 0.00	46.19 -1.09 0.00	47.82 -1.18 0.00	50.46 -1.40 0.00	55.63 -1.42 0.00	69.01 -1.55 0.00	81.45 -1.33 0.00	83.77 -1.27 0.00	82.06 -1.08 0.00	84.09 -1.89 0.00	76.50 -2.20 0.00	63.97 -2.18 0.00	57.87 -2.35 0.00	53.60 -2.52 0.00	55.30 -3.16 0.00	53.36 -3.50 2.50	66.16 -4.00 0.00	67.28 -4.01 0.41	53.70 -3.07 0.00	58.82 -3.49 0.00	55.32 -3.22 0.00	52.65 -3.24 0.00	49.47 -2.55 0.00
ELM_ST_23_KV_LD_REV_LBMP_A 345012	58.84 -5.75 0.00	49.21 -4.21 -2.11	46.75 -3.83 -3.31	47.83 -3.97 -2.81	48.18 -3.68 0.00	53.46 -3.59 0.00	64.36 -6.21 0.00	74.23 -8.53 0.03	75.62 -8.67 0.75	73.86 -8.90 0.39	73.08 -8.86 4.05	72.10 -7.79 -1.18	61.69 -6.28 -1.83	55.41 -5.36 -0.54	51.40 -4.99 -0.27	53.51 -5.09 -0.13	54.84 -4.75 -0.23	62.55 -5.82 1.79	63.00 -5.81 2.89	48.99 -4.83 2.96	57.53 -5.17 -0.39	53.82 -4.92 -0.19	52.03 -3.86 0.00	49.61 -3.22 -0.81
EMPIRE_CC_1 323656	76.01 2.97 -8.45	73.30 2.41 -19.57	73.93 2.22 -24.43	69.67 2.30 -18.37	54.24 2.39 0.00	59.57 2.51 0.00	73.53 2.96 0.00	86.26 3.48 0.00	88.61 3.57 0.00	87.53 3.57 -0.82	94.89 3.96 -4.96	99.80 3.78 -17.31	85.50 3.18 -16.18	75.30 2.95 -12.12	75.36 2.69 -16.55	69.66 2.81 -8.39	76.36 2.85 -14.14	91.37 3.37 -17.84	100.10 3.44 -24.96	94.23 2.72 -34.74	75.76 2.99 -10.46	68.99 2.75 -7.69	58.57 2.68 0.00	59.74 2.39 -5.33
EMPIRE_CC_2 323658	76.01 2.97 -8.45	73.30 2.41 -19.57	73.93 2.22 -24.43	69.67 2.30 -18.37	54.24 2.39 0.00	59.57 2.51 0.00	73.53 2.96 0.00	86.26 3.48 0.00	88.61 3.57 0.00	87.53 3.57 -0.82	94.89 3.96 -4.96	99.80 3.78 -17.31	85.50 3.18 -16.18	75.30 2.95 -12.12	75.36 2.69 -16.55	69.66 2.81 -8.39	76.36 2.85 -14.14	91.37 3.37 -17.84	100.10 3.44 -24.96	94.23 2.72 -34.74	75.76 2.99 -10.46	68.99 2.75 -7.69	58.57 2.68 0.00	59.74 2.39 -5.33
ENORWICH_115KV_TB1 80156	70.00 3.29 -2.12	59.10 2.57 -5.22	56.02 2.13 -6.62	56.13 2.11 -5.03	54.35 2.49 0.00	60.03 2.97 0.00	74.38 3.81 0.00	87.59 4.80 0.00	90.01 4.85 -0.12	87.98 4.57 -0.27	93.65 5.76 -1.91	89.36 5.67 -4.99	75.39 4.70 -4.55	67.73 3.97 -3.54	64.44 3.42 -4.90	65.04 4.09 -2.49	67.89 4.33 -4.19	81.13 5.33 -5.64	85.44 5.74 -8.01	72.04 4.31 -10.96	69.93 4.55 -3.07	64.56 3.75 -2.27	59.52 3.63 0.00	56.54 3.07 -1.46
ERIE_ST__34_KV_TB1-2 80199	59.94 -4.65 0.00	48.87 -4.62 -2.18	46.49 -4.21 -3.42	47.49 -4.41 -2.90	49.06 -2.80 0.00	54.49 -2.57 0.00	65.70 -4.87 0.00	77.13 -5.63 0.03	78.76 -5.61 0.67	76.89 -5.90 0.35	76.52 -5.85 3.61	75.12 -4.96 -1.37	63.68 -4.37 -1.90	56.97 -3.97 -0.72	52.90 -3.82 -0.60	55.48 -3.27 -0.29	56.61 -3.26 -0.51	65.65 -3.30 1.21	66.40 -3.15 2.15	51.99 -2.72 2.05	59.38 -3.49 -0.56	54.01 -4.86 -0.33	53.21 -2.68 0.00	49.32 -3.54 -0.84
ERIE_WT_PWR 323693	59.23 -5.36 0.00	49.31 -4.15 -2.15	46.87 -3.78 -3.38	47.89 -3.97 -2.86	48.49 -3.37 0.00	53.86 -3.19 0.00	64.78 -5.79 0.00	75.06 -7.70 0.03	76.48 -7.82 0.74	74.61 -8.14 0.38	73.90 -8.09 3.99	72.87 -7.08 -1.25	62.19 -5.82 -1.87	55.88 -4.94 -0.60	51.77 -4.71 -0.36	54.02 -4.62 -0.18	55.27 -4.39 -0.30	63.31 -5.19 1.66	63.81 -5.09 2.81	49.61 -4.32 2.85	58.00 -4.74 -0.43	53.91 -4.86 -0.22	52.37 -3.52 0.00	49.67 -3.17 -0.83
ESPRGFLD_115KV_TB1 80157	90.28 2.84 -22.85	69.27 2.31 -15.65	56.83 2.08 -7.48	51.15 2.16 0.00	54.45 2.59 0.00	59.91 2.85 0.00	74.17 3.60 0.00	87.17 4.39 0.00	89.38 4.34 0.00	89.43 4.07 -2.21	103.94 4.56 -13.40	99.39 4.09 -16.59	99.14 3.57 -29.42	68.46 3.19 -5.04	58.98 2.86 0.00	61.68 3.22 0.00	62.80 3.44 0.00	74.51 4.35 0.00	76.15 4.45 0.00	72.40 3.46 -12.17	70.02 3.68 -4.03	61.88 3.34 0.00	59.13 3.24 0.00	54.62 2.60 0.00
ETNA_115_KV_TB1_REV_LBMP_C 345029	65.87 0.26 -1.03	55.12 0.31 -3.50	52.29 0.28 -4.73	52.97 0.24 -3.73	52.38 0.52 0.00	57.80 0.74 0.00	71.20 0.64 0.00	83.37 0.58 -0.01	85.94 0.68 -0.21	83.60 0.25 -0.21	88.42 0.69 -1.75	82.96 0.79 -3.47	69.46 0.66 -2.65	63.46 0.54 -2.69	60.57 0.45 -4.00	61.31 0.82 -2.03	63.85 1.07 -3.42	76.54 1.47 -4.91	80.43 1.65 -7.07	67.09 1.14 -9.19	65.85 1.18 -2.36	61.32 0.94 -1.84	56.84 0.95 0.00	53.88 0.78 -1.08
ETNA____115KV_TB2 80207	65.87 0.26 -1.03	55.12 0.31 -3.50	52.29 0.28 -4.73	52.97 0.24 -3.73	52.38 0.52 0.00	57.80 0.74 0.00	71.20 0.64 0.00	83.37 0.58 -0.01	85.94 0.68 -0.21	83.60 0.25 -0.21	88.42 0.69 -1.75	82.96 0.79 -3.47	69.46 0.66 -2.65	63.46 0.54 -2.69	60.57 0.45 -4.00	61.31 0.82 -2.03	63.85 1.07 -3.42	76.54 1.47 -4.91	80.43 1.65 -7.07	67.09 1.14 -9.19	65.85 1.18 -2.36	61.32 0.94 -1.84	56.84 0.95 0.00	53.88 0.78 -1.08
EUCLID____115KV_TB2 356179	62.52 -2.07 0.00	51.22 -1.33 -1.24	47.99 -1.23 -1.95	49.37 -1.27 -1.65	50.51 -1.35 0.00	55.63 -1.43 0.00	68.52 -2.05 0.00	80.05 -2.73 0.00	82.32 -2.72 0.00	80.31 -2.83 0.00	83.40 -2.58 0.00	77.24 -2.20 -0.73	64.36 -1.79 0.00	59.50 -1.57 -0.84	56.15 -1.46 -1.49	57.76 -1.46 -0.76	59.28 -1.37 -1.28	70.16 -1.61 -1.62	72.46 -1.51 -2.26	58.00 -1.31 -2.54	61.63 -1.43 -0.75	58.01 -1.23 -0.70	54.72 -1.17 0.00	51.51 -0.99 -0.48
E_CANADA_CAP_HY 24051	98.29 4.07 -29.63	91.64 3.29 -37.05	86.32 3.03 -36.02	74.45 3.14 -22.32	55.49 3.63 0.00	60.99 3.93 0.00	75.37 4.80 0.00	88.75 5.96 0.00	90.83 5.79 0.00	91.50 5.49 -2.87	109.03 5.67 -17.38	114.51 4.88 -30.92	107.85 4.50 -37.20	81.99 4.04 -17.73	79.92 3.70 -20.09	72.51 3.86 -10.19	80.76 4.22 -17.18	97.16 5.33 -21.67	107.46 5.45 -30.31	110.59 4.37 -49.45	82.10 4.68 -15.11	72.45 4.57 -9.34	60.25 4.36 0.00	62.08 3.59 -6.48
E_CANADA_MHWK_HY 24050	65.75 1.16 0.00	52.28 0.97 0.00	48.12 0.85 0.00	49.92 0.93 0.00	52.89 1.04 0.00	58.14 1.08 0.00	71.84 1.27 0.00	84.27 1.49 0.00	86.49 1.44 0.00	84.64 1.50 0.00	88.13 2.15 0.00	81.07 2.36 0.00	67.94 1.79 0.00	61.55 1.32 0.00	56.91 0.79 0.00	59.17 0.70 0.00	60.22 0.71 -0.14	71.00 0.84 0.00	72.59 0.86 -0.02	57.45 0.68 0.00	63.06 0.75 0.00	59.42 0.88 0.00	56.78 0.89 0.00	52.80 0.78 0.00
E_FISHKILL____LBMP 23776	70.93 3.23 -3.11	68.06 2.67 -14.08	69.44 2.36 -19.80	67.42 2.50 -15.93	54.66 2.80 0.00	60.08 3.02 0.00	74.24 3.67 0.00	87.17 4.39 0.00	89.55 4.51 0.00	87.85 4.41 -0.30	92.79 4.99 -1.82	96.18 4.88 -12.59	79.94 4.04 -9.76	73.74 3.73 -9.78	73.94 3.48 -14.34	69.48 3.74 -7.27	75.43 3.80 -12.27	90.12 4.49 -15.47	97.93 4.59 -21.64	88.71 3.58 -28.36	74.73 3.93 -8.49	68.90 3.69 -6.67	59.41 3.52 0.00	59.60 2.96 -4.62
FALCON____SEABRD_CC1 323796	64.52 -0.06 0.00	50.95 -0.36 0.00	46.85 -0.43 0.00	48.50 -0.49 0.00	51.18 -0.68 0.00	56.38 -0.68 0.00	69.51 -1.06 0.00	81.79 -0.99 0.00	84.03 -1.02 0.00	82.31 -0.83 0.00	84.43 -1.55 0.00	77.05 -1.66 0.00	64.50 -1.65 0.00	58.36 -1.87 0.00	54.10 -2.02 0.00	55.72 -2.75 0.00	53.78 -3.09 2.49	66.72 -3.44 0.00	67.86 -3.44 0.40	54.10 -2.67 0.00	59.26 -3.05 0.00	55.67 -2.87 0.00	52.98 -2.91 0.00	50.09 -1.92 0.00



FALCON___SEABRD_CC2 323797	64.52 -0.06 0.00	50.95 -0.36 0.00	46.85 -0.43 0.00	48.50 -0.49 0.00	51.18 -0.68 0.00	56.38 -0.68 0.00	69.51 -1.06 0.00	81.79 -0.99 0.00	84.03 -1.02 0.00	82.31 -0.83 0.00	84.43 -1.55 0.00	77.05 -1.66 0.00	64.50 -1.65 0.00	58.36 -1.87 0.00	54.10 -2.02 0.00	55.72 -2.75 0.00	53.78 -3.09 2.49	66.72 -3.44 0.00	67.86 -3.44 0.40	54.10 -2.67 0.00	59.26 -3.05 0.00	55.67 -2.87 0.00	52.98 -2.91 0.00	50.09 -1.92 0.00
FAR ROCKAWAY___4 23548	117.19 5.23 -47.37	83.44 4.26 -27.87	82.20 3.78 -31.15	78.24 3.97 -25.28	78.23 4.46 -21.91	77.82 4.91 -15.86	129.72 6.00 -53.15	149.39 6.71 -59.90	152.54 6.89 -60.61	152.68 6.90 -62.64	170.04 7.65 -76.41	145.22 7.40 -59.11	136.20 6.15 -63.89	130.58 5.60 -64.76	130.22 5.16 -68.94	144.92 5.55 -80.90	142.36 5.64 -77.36	154.35 6.81 -77.39	154.32 7.03 -75.59	144.87 5.45 -82.65	137.66 5.86 -69.49	119.22 5.74 -54.94	114.98 5.48 -53.61	107.39 4.73 -50.64
FARRAGUT_138_KV_32071_REV_LBMP_J 345003	71.46 3.81 -3.06	68.30 3.18 -13.81	69.42 2.74 -19.41	67.54 2.94 -15.61	55.23 3.37 0.00	60.82 3.77 0.00	75.22 4.66 0.00	88.41 5.63 0.00	90.74 5.70 0.00	89.09 5.65 -0.30	93.96 6.19 -1.79	97.11 6.06 -12.34	80.81 5.09 -9.57	74.50 4.70 -9.58	74.49 4.32 -14.05	70.26 4.68 -7.12	76.12 4.75 -12.01	90.92 5.61 -15.15	98.63 5.74 -21.19	89.03 4.48 -27.78	75.49 4.86 -8.31	69.64 4.57 -6.53	60.31 4.42 0.00	60.24 3.69 -4.53
FARRAGUT_138_KV_38B01_REV_LBMP_J 345016	71.52 3.88 -3.06	68.30 3.18 -13.81	69.42 2.74 -19.41	67.54 2.94 -15.61	55.28 3.42 0.00	60.82 3.77 0.00	75.22 4.66 0.00	88.41 5.63 0.00	90.74 5.70 0.00	89.09 5.65 -0.30	93.96 6.19 -1.79	97.11 6.06 -12.34	80.81 5.09 -9.57	74.50 4.70 -9.58	74.49 4.32 -14.05	70.26 4.68 -7.12	76.12 4.75 -12.01	90.99 5.68 -15.15	98.70 5.81 -21.19	89.03 4.48 -27.78	75.49 4.86 -8.31	69.70 4.62 -6.53	60.31 4.42 0.00	60.24 3.69 -4.53
FARRAGUT_138_KV_38M12_REV_LBMP_J 345017	71.46 3.81 -3.06	68.30 3.18 -13.81	69.37 2.69 -19.41	67.54 2.94 -15.61	55.23 3.37 0.00	60.77 3.71 0.00	75.15 4.59 0.00	88.33 5.55 0.00	90.66 5.61 0.00	89.09 5.65 -0.30	93.96 6.19 -1.79	97.11 6.06 -12.34	80.75 5.03 -9.57	74.44 4.64 -9.58	74.49 4.32 -14.05	70.26 4.68 -7.12	76.12 4.75 -12.01	90.92 5.61 -15.15	98.63 5.74 -21.19	89.03 4.48 -27.78	75.42 4.80 -8.31	69.64 4.57 -6.53	60.31 4.42 0.00	60.24 3.69 -4.53
FARRAGUT___LBMP 323566	71.39 3.75 -3.06	68.25 3.13 -13.81	69.37 2.69 -19.41	67.49 2.89 -15.61	55.18 3.32 0.00	60.77 3.71 0.00	75.08 4.52 0.00	88.25 5.46 0.00	90.57 5.53 0.00	89.01 5.57 -0.30	93.88 6.10 -1.79	97.03 5.98 -12.34	80.68 4.96 -9.57	74.38 4.58 -9.58	74.43 4.27 -14.05	70.14 4.56 -7.12	76.00 4.63 -12.01	90.85 5.54 -15.15	98.56 5.66 -21.19	88.97 4.43 -27.78	75.36 4.74 -8.31	69.58 4.51 -6.53	60.25 4.36 0.00	60.19 3.64 -4.53
FENNER___WINDPWR 24204	65.56 0.97 0.00	53.74 0.87 -1.56	50.47 0.75 -2.45	51.81 0.74 -2.08	52.79 0.93 0.00	58.20 1.14 0.00	71.84 1.27 0.00	84.27 1.49 0.00	86.57 1.53 0.00	84.47 1.33 0.00	87.79 1.81 0.00	82.11 1.73 -1.67	68.93 1.45 -1.33	62.77 1.27 -1.28	59.17 1.18 -1.87	60.75 1.35 -0.95	62.38 1.42 -1.60	73.93 1.75 -2.02	76.38 1.86 -2.82	61.84 1.36 -3.72	64.92 1.49 -1.11	60.64 1.23 -0.87	57.07 1.18 0.00	53.60 0.99 -0.60
FIBERTEK___ENERGY 23856	63.36 -1.23 0.00	52.02 -0.72 -1.43	48.85 -0.66 -2.24	50.21 -0.69 -1.90	51.18 -0.67 0.00	56.37 -0.68 0.00	69.44 -1.13 0.00	81.13 -1.66 0.00	83.51 -1.53 0.00	81.39 -1.75 0.00	84.60 -1.38 0.00	79.13 -1.10 -1.53	66.50 -0.86 -1.21	60.62 -0.78 -1.18	57.11 -0.73 -1.72	58.69 -0.64 -0.87	60.30 -0.53 -1.47	71.46 -0.56 -1.86	73.87 -0.43 -2.60	59.68 -0.51 -3.42	62.84 -0.50 -1.03	58.93 -0.41 -0.80	55.44 -0.45 0.00	52.20 -0.36 -0.55
FITZPATRICK____ 23598	61.81 -2.78 0.00	50.28 -1.95 -0.92	46.92 -1.80 -1.44	48.41 -1.81 -1.22	49.89 -1.97 0.00	54.95 -2.11 0.00	67.67 -2.90 0.00	79.06 -3.72 0.00	81.30 -3.74 0.00	79.40 -3.74 0.00	82.28 -3.69 0.00	76.02 -3.23 -0.55	63.50 -2.65 0.00	58.50 -2.35 -0.63	55.10 -2.13 -1.11	56.86 -2.16 -0.56	58.17 -2.13 -0.94	68.82 -2.52 -1.19	70.85 -2.51 -1.66	56.54 -2.10 -1.87	60.62 -2.24 -0.55	57.00 -2.05 -0.51	53.93 -1.96 0.00	50.66 -1.72 -0.36
FLOWRFLD_69_KV_BK1 356044	117.97 6.01 -47.37	84.10 4.93 -27.87	82.72 4.30 -31.15	78.87 4.61 -25.28	78.90 5.13 -21.91	78.51 5.59 -15.86	130.64 6.92 -53.15	151.29 8.61 -59.90	154.54 8.84 -60.66	154.47 8.65 -62.68	171.64 9.11 -76.55	146.24 8.42 -59.11	136.92 6.88 -63.89	131.36 6.38 -64.76	131.12 6.06 -68.94	146.03 6.66 -80.90	143.31 6.59 -77.36	155.62 8.07 -77.39	155.82 8.39 -75.73	145.83 6.41 -82.65	138.84 7.04 -69.49	119.98 6.50 -54.94	115.82 6.32 -53.61	108.01 5.36 -50.64
FORGEBRK_115_KV_TR1_2_REV_LBMP_G 345010	71.64 3.88 -3.17	68.42 3.18 -13.93	69.58 2.79 -19.52	67.60 2.94 -15.67	55.23 3.37 0.00	60.71 3.65 0.00	75.01 4.45 0.00	87.83 5.05 0.00	90.57 5.53 0.00	88.93 5.49 -0.31	94.03 6.19 -1.86	97.23 5.98 -12.54	80.98 4.96 -9.87	74.53 4.52 -9.79	74.71 4.27 -14.33	70.29 4.56 -7.27	76.01 4.39 -12.25	90.81 5.19 -15.46	98.63 5.31 -21.62	89.29 4.14 -28.38	75.42 4.61 -8.50	69.48 4.27 -6.66	60.03 4.14 0.00	60.05 3.49 -4.55
FORT ORANGE____ 23900	84.46 3.04 -16.84	79.57 2.51 -25.74	77.43 2.32 -27.85	70.33 2.40 -18.94	54.55 2.69 0.00	59.91 2.85 0.00	73.39 2.83 0.00	85.85 3.06 0.00	88.36 3.31 0.00	88.01 3.24 -1.63	99.29 3.44 -9.87	104.53 3.38 -22.44	93.77 2.78 -24.84	76.70 2.59 -13.89	75.63 2.47 -17.04	69.56 2.45 -8.64	76.21 2.26 -14.59	91.16 2.60 -18.40	100.09 2.65 -25.74	98.03 2.10 -39.16	76.63 2.43 -11.89	68.76 2.28 -7.93	58.18 2.29 0.00	59.96 2.45 -5.50
FORT_DRUM_COGEN 23780	64.85 0.26 0.00	52.24 0.21 -0.72	48.46 0.05 -1.14	50.01 0.05 -0.97	51.86 0.00 0.00	57.17 0.11 0.00	70.99 0.42 0.00	83.53 0.75 0.00	85.04 0.00 0.00	83.14 0.00 0.00	86.58 0.60 0.00	79.69 0.55 -0.43	66.88 0.73 0.00	61.93 1.39 -0.32	57.87 1.18 -0.57	60.09 1.34 -0.29	60.02 0.71 0.05	71.70 0.98 -0.55	73.55 1.15 -0.70	58.49 0.85 -0.87	63.44 0.87 -0.26	59.37 0.59 -0.24	56.28 0.39 0.00	52.45 0.16 -0.28
FOX_HILLS___ESR 323835	72.05 4.39 -3.07	68.72 3.59 -13.82	69.80 3.12 -19.41	67.93 3.33 -15.61	65.09 4.04 -9.18	66.61 4.39 -5.16	75.66 5.08 -0.01	88.75 5.96 -0.01	90.91 5.87 0.00	89.26 5.82 -0.30	94.22 6.45 -1.79	97.43 6.38 -12.35	81.01 5.29 -9.57	74.74 4.94 -9.58	74.71 4.55 -14.05	70.67 5.09 -7.12	76.54 5.16 -12.01	91.42 6.10 -15.15	139.80 6.24 -61.86	89.43 4.88 -27.78	75.86 5.23 -8.31	70.28 5.15 -6.59	68.90 4.97 -8.03	68.94 4.27 -12.66
FPL FAR_ROCK_GT1 24212	117.19 5.23 -47.37	83.44 4.26 -27.87	82.20 3.78 -31.15	78.24 3.97 -25.28	78.23 4.46 -21.91	77.82 4.91 -15.86	129.65 5.93 -53.15	149.39 6.70 -59.90	152.54 6.89 -60.61	152.67 6.90 -62.64	170.04 7.65 -76.41	145.22 7.40 -59.11	136.53 6.49 -63.89	130.88 5.91 -64.76	130.50 5.44 -68.94	144.92 5.56 -80.90	142.37 5.64 -77.36	154.35 6.80 -77.39	154.32 7.03 -75.59	144.86 5.45 -82.64	137.65 5.86 -69.49	119.22 5.74 -54.94	114.98 5.48 -53.61	107.39 4.73 -50.64



FPL FAR_ROCK_GT2 23815	117.19 5.23 -47.37	83.44 4.26 -27.87	82.20 3.78 -31.15	78.24 3.97 -25.28	78.23 4.46 -21.91	77.82 4.91 -15.86	129.65 5.93 -53.15	149.39 6.70 -59.90	152.54 6.89 -60.61	152.67 6.90 -62.64	170.04 7.65 -76.41	145.22 7.40 -59.11	136.53 6.49 -63.89	130.88 5.91 -64.76	130.50 5.44 -68.94	144.92 5.56 -80.90	142.37 5.64 -77.36	154.35 6.80 -77.39	154.32 7.03 -75.59	144.86 5.45 -82.64	137.65 5.86 -69.49	119.22 5.74 -54.94	114.98 5.48 -53.61	107.39 4.73 -50.64
FRANKLIN_FALL_HYD 24054	64.98 0.39 0.00	51.31 0.00 0.00	47.18 -0.09 0.00	48.80 -0.20 0.00	51.50 -0.36 0.00	56.89 -0.17 0.00	70.78 0.21 0.00	82.95 0.17 0.00	84.96 -0.09 0.00	83.14 0.00 0.00	85.55 -0.43 0.00	78.08 -0.63 0.00	65.49 -0.66 0.00	59.26 -0.96 0.00	55.00 -1.12 0.00	56.77 -1.70 0.00	55.01 -2.02 2.33	67.98 -2.17 0.00	69.17 -2.15 0.38	55.06 -1.70 0.00	60.26 -2.06 0.00	56.61 -1.93 0.00	53.99 -1.90 0.00	50.61 -1.40 0.00
FREEPORT_EQUUS_GT1 23764	116.81 4.85 -47.37	83.13 3.95 -27.87	81.92 3.50 -31.15	77.95 3.68 -25.28	77.92 4.15 -21.91	77.48 4.57 -15.86	129.30 5.57 -53.15	149.39 6.70 -59.90	152.54 6.89 -60.61	152.60 6.82 -62.64	169.86 7.48 -76.41	145.06 7.24 -59.11	136.06 6.02 -63.89	130.46 5.48 -64.76	130.17 5.11 -68.94	144.86 5.49 -80.90	142.37 5.64 -77.36	154.28 6.74 -77.39	153.96 6.67 -75.59	144.58 5.17 -82.64	137.41 5.61 -69.49	118.63 5.15 -54.94	114.70 5.20 -53.61	107.08 4.42 -50.64
FREEPORT___CT2 23818	116.81 4.85 -47.37	83.13 3.95 -27.87	81.92 3.50 -31.15	77.95 3.68 -25.28	77.92 4.15 -21.91	77.48 4.57 -15.86	129.30 5.57 -53.15	149.39 6.70 -59.90	152.54 6.89 -60.61	152.60 6.82 -62.64	169.86 7.48 -76.41	145.06 7.24 -59.11	136.06 6.02 -63.89	130.46 5.48 -64.76	130.17 5.11 -68.94	144.86 5.49 -80.90	142.37 5.64 -77.36	154.28 6.74 -77.39	153.96 6.67 -75.59	144.58 5.17 -82.64	137.41 5.61 -69.49	118.63 5.15 -54.94	114.70 5.20 -53.61	107.08 4.42 -50.64
FRESHKLS_33_KV_LOAD 356253	72.05 4.39 -3.07	68.72 3.59 -13.82	69.80 3.12 -19.41	67.93 3.33 -15.61	65.19 4.15 -9.18	66.72 4.51 -5.16	75.51 4.94 -0.01	88.67 5.88 -0.01	90.66 5.61 0.00	89.09 5.65 -0.30	94.05 6.28 -1.79	97.19 6.14 -12.35	80.81 5.09 -9.57	74.56 4.76 -9.58	74.60 4.43 -14.05	70.61 5.03 -7.12	76.42 5.05 -12.01	91.35 6.03 -15.15	139.73 6.17 -61.86	89.37 4.83 -27.78	75.80 5.17 -8.31	70.22 5.09 -6.59	68.95 5.03 -8.03	68.94 4.27 -12.66
FULTON COGEN____ 23766	62.72 -1.87 0.00	51.24 -1.23 -1.16	47.97 -1.13 -1.83	49.32 -1.22 -1.55	50.61 -1.24 0.00	55.75 -1.31 0.00	68.66 -1.91 0.00	80.22 -2.57 0.00	82.49 -2.55 0.00	80.48 -2.66 0.00	83.57 -2.41 0.00	77.35 -2.05 -0.69	64.50 -1.65 0.00	59.51 -1.51 -0.80	56.18 -1.35 -1.41	57.83 -1.34 -0.71	59.39 -1.19 -1.21	70.28 -1.40 -1.53	72.55 -1.29 -2.14	58.03 -1.14 -2.40	61.77 -1.25 -0.71	58.09 -1.11 -0.66	54.77 -1.12 0.00	51.53 -0.94 -0.45
FULTON___LFGE 323630	101.82 4.78 -32.45	93.39 3.90 -38.19	86.57 3.59 -35.70	73.98 3.72 -21.27	56.06 4.20 0.00	61.62 4.57 0.00	76.14 5.57 0.00	89.65 6.87 0.00	91.76 6.72 0.00	92.69 6.40 -3.14	111.63 6.62 -19.03	116.81 5.82 -32.28	111.74 5.16 -40.42	82.61 4.64 -17.75	79.59 4.32 -19.15	72.79 4.62 -9.71	80.72 4.99 -16.37	97.05 6.24 -20.65	106.97 6.38 -28.88	111.06 5.11 -49.18	82.94 5.54 -15.08	72.65 5.21 -8.90	60.86 4.97 0.00	62.35 4.16 -6.17
G.F.CEMENT___DRP 24184	102.91 5.75 -32.57	93.00 4.62 -37.07	85.44 4.30 -33.86	73.07 4.41 -19.67	56.73 4.87 0.00	62.54 5.48 0.00	77.13 6.56 0.00	90.81 8.03 0.00	93.38 8.33 0.00	94.61 8.31 -3.16	113.85 8.77 -19.10	118.42 8.03 -31.68	113.36 6.55 -40.66	83.15 5.96 -16.97	79.37 5.56 -17.69	73.40 5.96 -8.97	80.61 6.11 -15.13	96.61 7.37 -19.09	105.85 7.46 -26.69	109.49 5.90 -46.82	83.12 6.42 -14.39	72.74 5.97 -8.23	61.65 5.76 0.00	62.77 5.05 -5.70
GARDENVILLE___LBMP 24039	59.03 -5.55 0.00	49.19 -4.26 -2.14	46.76 -3.88 -3.36	47.83 -4.02 -2.85	48.33 -3.53 0.00	53.63 -3.42 0.00	64.57 -6.00 0.00	74.72 -8.03 0.03	76.05 -8.16 0.82	74.31 -8.40 0.43	73.10 -8.43 4.46	72.49 -7.32 -1.11	61.99 -6.02 -1.86	55.55 -5.12 -0.45	51.38 -4.83 -0.09	53.70 -4.79 -0.04	54.92 -4.51 -0.07	62.56 -5.40 2.20	62.73 -5.38 3.59	48.50 -4.48 3.79	57.75 -4.86 -0.30	53.79 -4.86 -0.11	52.26 -3.63 0.00	49.62 -3.22 -0.83
GARDNVLA_35_KV_LD 355827	59.29 -5.30 0.00	49.36 -4.10 -2.15	46.92 -3.73 -3.38	47.99 -3.87 -2.87	48.54 -3.32 0.00	53.86 -3.20 0.00	64.85 -5.72 0.00	75.14 -7.62 0.03	76.60 -7.74 0.71	74.79 -7.98 0.37	74.18 -8.00 3.80	73.08 -6.93 -1.30	62.40 -5.62 -1.87	56.05 -4.82 -0.65	51.98 -4.60 -0.46	54.19 -4.50 -0.23	55.42 -4.33 -0.39	63.59 -5.12 1.45	64.18 -5.02 2.50	50.09 -4.20 2.48	58.19 -4.61 -0.49	54.13 -4.68 -0.27	52.48 -3.41 0.00	49.78 -3.07 -0.83
GELCKHM___115KV_LOAD 80723	62.84 -1.74 0.00	51.49 -1.13 -1.31	48.29 -1.04 -2.06	49.66 -1.08 -1.74	50.77 -1.09 0.00	55.92 -1.14 0.00	68.87 -1.69 0.00	80.46 -2.32 0.00	82.75 -2.30 0.00	80.73 -2.41 0.00	83.83 -2.15 0.00	77.67 -1.81 -0.78	64.69 -1.46 0.00	59.85 -1.26 -0.89	56.52 -1.18 -1.58	58.09 -1.17 -0.80	59.71 -1.01 -1.35	70.67 -1.19 -1.71	72.94 -1.15 -2.39	58.43 -1.02 -2.68	62.04 -1.06 -0.79	58.34 -0.94 -0.74	55.00 -0.89 0.00	51.74 -0.78 -0.51
GENERAL___MILLS 23808	59.23 -5.36 0.00	49.25 -4.21 -2.15	46.82 -3.83 -3.38	47.89 -3.97 -2.86	48.44 -3.42 0.00	53.81 -3.25 0.00	64.78 -5.79 0.00	75.05 -7.70 0.03	76.48 -7.82 0.74	74.69 -8.06 0.38	73.90 -8.08 3.99	72.95 -7.00 -1.24	62.26 -5.76 -1.87	55.88 -4.94 -0.60	51.82 -4.66 -0.36	54.08 -4.56 -0.18	55.28 -4.39 -0.31	63.31 -5.19 1.65	63.81 -5.09 2.80	49.68 -4.26 2.83	58.07 -4.67 -0.43	53.97 -4.80 -0.23	52.43 -3.47 0.00	49.67 -3.17 -0.83
GE_PLASTICS___DRP 24183	80.30 2.45 -13.26	76.65 2.05 -23.28	75.82 1.89 -26.66	69.88 1.96 -18.93	54.04 2.18 0.00	59.34 2.28 0.00	73.18 2.61 0.00	85.68 2.90 0.00	88.02 2.98 0.00	87.33 2.91 -1.28	97.02 3.27 -7.77	102.25 3.15 -20.40	90.02 2.65 -21.22	75.96 2.47 -13.27	75.47 2.30 -17.05	69.39 2.28 -8.64	76.26 2.32 -14.58	91.22 2.67 -18.39	100.15 2.72 -25.72	96.61 2.16 -37.69	76.15 2.43 -11.41	68.69 2.22 -7.93	58.13 2.24 0.00	59.54 2.03 -5.50
GILBOA___1 23756	68.53 2.00 -1.93	65.57 1.64 -12.62	67.31 1.65 -18.39	65.76 1.71 -15.05	53.78 1.92 0.00	58.94 1.88 0.00	72.76 2.19 0.00	85.35 2.57 0.00	87.68 2.64 0.00	85.91 2.58 -0.19	90.04 2.92 -1.13	92.97 2.91 -11.35	76.84 2.45 -8.24	71.52 2.23 -9.07	71.75 2.08 -13.55	67.55 2.22 -6.87	73.20 2.26 -11.59	87.51 2.73 -14.62	94.94 2.79 -20.44	85.31 2.16 -26.38	72.56 2.37 -7.88	67.01 2.17 -6.30	58.01 2.12 0.00	58.20 1.82 -4.37
GILBOA___2 23757	68.53 2.00 -1.93	65.57 1.64 -12.62	67.31 1.65 -18.39	65.76 1.71 -15.05	53.78 1.92 0.00	58.94 1.88 0.00	72.76 2.19 0.00	85.35 2.57 0.00	87.68 2.64 0.00	85.91 2.58 -0.19	90.04 2.92 -1.13	92.97 2.91 -11.35	76.84 2.45 -8.24	71.52 2.23 -9.07	71.75 2.08 -13.55	67.55 2.22 -6.87	73.20 2.26 -11.59	87.51 2.73 -14.62	94.94 2.79 -20.44	85.31 2.16 -26.38	72.56 2.37 -7.88	67.01 2.17 -6.30	58.01 2.12 0.00	58.20 1.82 -4.37



GILBOA___3 23758	68.53 2.00 -1.93	65.57 1.64 -12.62	67.31 1.65 -18.39	65.76 1.71 -15.05	53.78 1.92 0.00	58.94 1.88 0.00	72.76 2.19 0.00	85.35 2.57 0.00	87.68 2.64 0.00	85.91 2.58 -0.19	90.04 2.92 -1.13	92.97 2.91 -11.35	76.84 2.45 -8.24	71.52 2.23 -9.07	71.75 2.08 -13.55	67.55 2.22 -6.87	73.20 2.26 -11.59	87.51 2.73 -14.62	94.94 2.79 -20.44	85.31 2.16 -26.38	72.56 2.37 -7.88	67.01 2.17 -6.30	58.01 2.12 0.00	58.20 1.82 -4.37
GILBOA___4 23759	68.53 2.00 -1.93	65.57 1.64 -12.62	67.31 1.65 -18.39	65.76 1.71 -15.05	53.78 1.92 0.00	58.94 1.88 0.00	72.76 2.19 0.00	85.35 2.57 0.00	87.68 2.64 0.00	85.91 2.58 -0.19	90.04 2.92 -1.13	92.97 2.91 -11.35	76.84 2.45 -8.24	71.52 2.23 -9.07	71.75 2.08 -13.55	67.55 2.22 -6.87	73.20 2.26 -11.59	87.51 2.73 -14.62	94.94 2.79 -20.44	85.31 2.16 -26.38	72.56 2.37 -7.88	67.01 2.17 -6.30	58.01 2.12 0.00	58.20 1.82 -4.37
GILBOA___ 23599	68.52 2.00 -1.93	65.57 1.64 -12.62	67.31 1.65 -18.39	65.76 1.71 -15.05	53.78 1.92 0.00	58.94 1.88 0.00	72.75 2.19 0.00	85.35 2.57 0.00	87.68 2.64 0.00	85.90 2.58 -0.19	90.03 2.92 -1.13	92.97 2.91 -11.35	76.77 2.38 -8.24	71.52 2.23 -9.07	71.75 2.08 -13.55	67.56 2.22 -6.87	73.21 2.26 -11.59	87.51 2.74 -14.62	94.95 2.80 -20.45	85.31 2.16 -26.39	72.56 2.37 -7.89	67.01 2.17 -6.30	58.01 2.12 0.00	58.21 1.82 -4.37
GINNA___ 23603	58.58 -6.00 0.00	49.09 -3.85 -1.63	46.24 -3.59 -2.56	47.54 -3.62 -2.17	47.71 -4.15 0.00	52.67 -4.39 0.00	64.36 -6.21 0.00	74.58 -8.20 0.00	76.79 -8.25 0.00	74.75 -8.39 0.00	77.72 -8.25 0.00	73.07 -7.40 -1.76	61.53 -6.02 -1.40	56.51 -5.06 -1.35	53.31 -4.77 -1.96	54.49 -4.97 -1.00	56.34 -4.69 -1.67	66.38 -5.89 -2.11	68.90 -5.74 -2.94	55.77 -4.88 -3.88	58.37 -5.11 -1.17	55.18 -4.27 -0.91	51.59 -4.30 0.00	49.32 -3.33 -0.63
GLEN PARK___ 23778	64.98 0.39 0.00	52.37 0.31 -0.75	48.55 0.09 -1.18	50.09 0.10 -1.00	51.91 0.05 0.00	57.29 0.23 0.00	71.06 0.50 0.00	83.69 0.91 0.00	85.81 0.76 0.00	83.73 0.59 0.00	87.35 1.37 0.00	80.54 1.34 -0.50	68.07 1.92 0.00	62.16 1.44 -0.49	58.22 1.23 -0.87	60.42 1.52 -0.44	60.61 0.95 -0.31	72.32 1.19 -0.97	74.42 1.43 -1.28	59.32 1.02 -1.53	63.88 1.12 -0.45	59.72 0.76 -0.42	56.39 0.50 0.00	52.62 0.31 -0.29
GLENDALE_27_KV_LOAD 356172	72.05 4.39 -3.07	68.72 3.59 -13.82	69.80 3.12 -19.41	67.93 3.33 -15.61	55.70 3.84 -0.01	61.29 4.22 -0.01	75.80 5.22 -0.01	89.08 6.29 -0.01	91.25 6.21 0.00	89.67 6.24 -0.30	94.65 6.69 -1.79	97.74 6.69 -12.35	81.28 5.56 -9.57	74.98 5.18 -9.58	74.94 4.77 -14.05	70.73 5.14 -7.12	76.66 5.28 -12.01	91.56 6.24 -15.15	100.74 6.38 -22.65	89.54 5.00 -27.78	75.99 5.36 -8.31	70.17 5.09 -6.53	60.82 4.92 -0.01	60.66 4.11 -4.54
GLENWOOD_IC_1_G1 23712	116.61 4.65 -47.37	82.98 3.80 -27.87	81.78 3.36 -31.15	77.80 3.53 -25.28	77.76 3.99 -21.91	77.31 4.39 -15.86	129.08 5.36 -53.15	149.22 6.54 -59.90	152.37 6.72 -60.61	152.51 6.73 -62.64	169.87 7.48 -76.41	144.98 7.16 -59.11	136.00 5.95 -63.89	130.46 5.48 -64.76	130.11 5.05 -68.94	144.74 5.38 -80.90	142.25 5.52 -77.36	154.07 6.52 -77.39	154.03 6.74 -75.59	144.64 5.22 -82.65	137.41 5.61 -69.49	118.69 5.21 -54.94	114.53 5.03 -53.61	106.92 4.27 -50.64
GLENWOOD_IC_2_G1 23688	116.74 4.78 -47.37	83.08 3.90 -27.87	81.83 3.41 -31.15	77.89 3.63 -25.28	77.87 4.10 -21.91	77.37 4.45 -15.86	129.23 5.51 -53.15	149.31 6.63 -59.90	152.46 6.81 -60.61	152.51 6.73 -62.64	169.86 7.48 -76.41	145.06 7.24 -59.11	136.06 6.02 -63.89	130.46 5.48 -64.76	130.11 5.05 -68.94	144.80 5.44 -80.90	142.25 5.52 -77.36	154.14 6.59 -77.39	154.03 6.74 -75.59	144.69 5.28 -82.64	137.47 5.67 -69.49	118.75 5.27 -54.94	114.59 5.09 -53.61	106.97 4.31 -50.64
GLENWOOD_IC_3_G1 23689	116.74 4.78 -47.37	83.08 3.90 -27.87	81.83 3.41 -31.15	77.89 3.63 -25.28	77.87 4.10 -21.91	77.37 4.45 -15.86	129.23 5.51 -53.15	149.31 6.63 -59.90	152.46 6.81 -60.61	152.51 6.73 -62.64	169.86 7.48 -76.41	145.06 7.24 -59.11	136.06 6.02 -63.89	130.46 5.48 -64.76	130.11 5.05 -68.94	144.80 5.44 -80.90	142.25 5.52 -77.36	154.14 6.59 -77.39	154.03 6.74 -75.59	144.69 5.28 -82.64	137.47 5.67 -69.49	118.75 5.27 -54.94	114.59 5.09 -53.61	106.97 4.31 -50.64
GLENWOOD___4 23550	116.74 4.78 -47.37	83.03 3.85 -27.87	81.82 3.40 -31.15	77.85 3.58 -25.28	77.82 4.04 -21.91	77.37 4.45 -15.86	129.23 5.50 -53.15	149.31 6.62 -59.90	152.45 6.80 -60.61	152.59 6.82 -62.64	169.95 7.57 -76.41	145.14 7.32 -59.11	136.13 6.09 -63.89	130.52 5.54 -64.76	130.17 5.11 -68.94	144.86 5.50 -80.90	142.31 5.58 -77.36	154.21 6.67 -77.39	154.11 6.81 -75.59	144.69 5.28 -82.65	137.53 5.73 -69.49	118.81 5.33 -54.94	114.59 5.09 -53.61	106.97 4.32 -50.64
GLENWOOD___5 23614	116.74 4.78 -47.37	83.03 3.85 -27.87	81.82 3.40 -31.15	77.85 3.58 -25.28	77.82 4.04 -21.91	77.37 4.45 -15.86	129.23 5.50 -53.15	149.31 6.62 -59.90	152.45 6.80 -60.61	152.59 6.82 -62.64	169.95 7.57 -76.41	145.14 7.32 -59.11	136.13 6.09 -63.89	130.52 5.54 -64.76	130.17 5.11 -68.94	144.86 5.50 -80.90	142.31 5.58 -77.36	154.21 6.67 -77.39	154.11 6.81 -75.59	144.69 5.28 -82.65	137.53 5.73 -69.49	118.81 5.33 -54.94	114.59 5.09 -53.61	106.97 4.32 -50.64
GLOBAL GREEN_PORT_GT1 23814	118.35 6.40 -47.37	84.36 5.18 -27.87	83.00 4.58 -31.15	79.17 4.90 -25.28	79.21 5.44 -21.91	78.80 5.88 -15.86	130.99 7.27 -53.15	151.95 9.27 -59.90	155.47 9.78 -60.65	155.29 9.47 -62.68	172.05 9.54 -76.53	145.93 8.11 -59.11	134.81 4.77 -63.89	129.32 4.34 -64.76	129.32 4.26 -68.94	144.45 5.08 -80.90	143.08 6.35 -77.36	155.61 8.06 -77.39	155.94 8.53 -75.71	145.66 6.24 -82.64	138.65 6.85 -69.49	119.68 6.20 -54.94	115.65 6.15 -53.61	108.28 5.62 -50.64
GLOBE___DSASP 323697	57.61 -6.98 0.00	48.81 -4.52 -2.01	46.32 -4.11 -3.16	47.41 -4.26 -2.68	47.29 -4.56 0.00	52.38 -4.68 0.00	62.45 -8.12 0.00	71.25 -11.51 0.02	72.76 -11.74 0.55	70.88 -11.97 0.28	71.92 -11.09 2.97	69.37 -10.70 -1.37	59.36 -8.53 -1.74	53.90 -7.11 -0.78	50.76 -6.12 -0.76	51.83 -7.02 -0.38	53.89 -6.11 -0.65	61.66 -7.79 0.71	62.45 -7.89 1.36	48.97 -6.64 1.15	56.26 -6.67 -0.62	52.80 -6.15 -0.40	50.41 -5.48 0.00	48.89 -3.90 -0.78
GOETHSLN___LBMP 323567	71.01 3.36 -3.06	67.99 2.87 -13.81	69.09 2.41 -19.41	67.25 2.65 -15.61	54.92 3.06 0.00	60.48 3.42 0.00	74.73 4.16 0.00	87.83 5.05 0.00	90.15 5.10 0.00	88.51 5.07 -0.30	93.36 5.59 -1.79	96.56 5.51 -12.34	80.28 4.56 -9.57	74.08 4.28 -9.58	74.10 3.93 -14.05	69.85 4.27 -7.12	75.71 4.33 -12.01	90.43 5.12 -15.15	98.13 5.23 -21.19	88.63 4.09 -27.78	75.05 4.42 -8.31	69.29 4.22 -6.53	59.97 4.08 0.00	59.87 3.33 -4.53
GOLAH___69_KV_TB 1_2 80279	60.84 -3.75 0.00	51.06 -1.95 -1.70	48.09 -1.84 -2.67	49.39 -1.86 -2.26	49.68 -2.18 0.00	54.89 -2.17 0.00	66.69 -3.88 0.00	76.82 -5.96 0.00	79.00 -5.95 0.09	76.85 -6.24 0.05	79.32 -6.19 0.47	74.81 -5.59 -1.69	63.24 -4.37 -1.46	57.92 -3.55 -1.25	54.62 -3.26 -1.75	55.84 -3.51 -0.89	57.78 -3.09 -1.50	67.79 -4.00 -1.63	70.09 -3.80 -2.19	56.48 -3.29 -3.00	60.02 -3.36 -1.08	56.67 -2.69 -0.82	53.26 -2.63 0.00	51.21 -1.46 -0.66



GOODYEAR_LAKE_HYD 323669	76.92 2.33 -10.01	63.75 1.90 -10.54	58.04 1.70 -9.07	55.67 1.76 -4.91	53.98 2.13 0.00	59.34 2.28 0.00	73.39 2.82 0.00	86.26 3.48 0.00	88.53 3.49 0.00	87.52 3.41 -0.97	95.89 4.04 -5.87	92.95 3.78 -10.47	84.01 3.18 -14.68	68.07 2.83 -5.01	63.07 2.53 -4.42	63.57 2.86 -2.24	66.11 2.97 -3.78	78.58 3.65 -4.77	82.11 3.73 -6.68	73.24 2.90 -13.58	69.58 3.05 -4.22	63.29 2.69 -2.06	58.52 2.63 0.00	55.57 2.13 -1.43
GOUDEY_115_KV_TB6_REV_LBMP_C 345031	65.42 -0.58 -1.42	55.67 -0.51 -4.87	53.40 -0.47 -6.60	53.71 -0.49 -5.20	51.81 -0.05 0.00	57.12 0.06 0.00	70.14 -0.42 0.00	82.20 -0.58 0.00	84.45 -0.60 0.00	82.45 -0.83 -0.14	86.38 -0.43 -0.83	82.88 -0.24 -4.41	69.59 -0.26 -3.71	63.26 -0.24 -3.28	60.52 -0.28 -4.68	60.84 0.00 -2.37	63.49 0.12 -4.01	75.56 0.35 -5.05	79.22 0.43 -7.09	66.49 0.23 -9.50	65.34 0.19 -2.84	60.54 -0.18 -2.18	56.11 0.22 0.00	53.47 -0.05 -1.51
GOUDEY___7 23579	65.42 -0.58 -1.42	55.67 -0.51 -4.87	53.40 -0.47 -6.60	53.71 -0.49 -5.20	51.81 -0.05 0.00	57.12 0.06 0.00	70.14 -0.42 0.00	82.20 -0.58 0.00	84.45 -0.60 0.00	82.45 -0.83 -0.14	86.38 -0.43 -0.83	82.88 -0.24 -4.41	69.59 -0.26 -3.71	63.26 -0.24 -3.28	60.52 -0.28 -4.68	60.84 0.00 -2.37	63.49 0.12 -4.01	75.56 0.35 -5.05	79.22 0.43 -7.09	66.49 0.23 -9.50	65.34 0.19 -2.84	60.54 -0.18 -2.18	56.11 0.22 0.00	53.47 -0.05 -1.51
GOUDEY___8 23580	65.42 -0.58 -1.42	55.67 -0.51 -4.87	53.40 -0.47 -6.60	53.71 -0.49 -5.20	51.81 -0.05 0.00	57.12 0.06 0.00	70.14 -0.42 0.00	82.20 -0.58 0.00	84.45 -0.60 0.00	82.45 -0.83 -0.14	86.38 -0.43 -0.83	82.88 -0.24 -4.41	69.59 -0.26 -3.71	63.26 -0.24 -3.28	60.52 -0.28 -4.68	60.84 0.00 -2.37	63.49 0.12 -4.01	75.56 0.35 -5.05	79.22 0.43 -7.09	66.49 0.23 -9.50	65.34 0.19 -2.84	60.54 -0.18 -2.18	56.11 0.22 0.00	53.47 -0.05 -1.51
GOWANUS_GT1_1 24077	72.18 4.52 -3.07	68.82 3.69 -13.82	69.85 3.17 -19.41	67.98 3.38 -15.61	65.04 3.99 -9.18	66.61 4.39 -5.16	75.80 5.22 -0.01	89.00 6.21 -0.01	91.17 6.12 0.00	89.59 6.15 -0.30	94.56 6.79 -1.79	97.74 6.69 -12.35	81.28 5.56 -9.57	74.98 5.18 -9.58	74.94 4.77 -14.05	70.85 5.26 -7.12	76.72 5.34 -12.01	91.63 6.31 -15.15	140.02 6.45 -61.86	89.60 5.05 -27.78	76.05 5.42 -8.31	70.34 5.21 -6.59	69.01 5.09 -8.03	68.94 4.27 -12.66
GOWANUS_GT1_2 24078	72.18 4.52 -3.07	68.82 3.69 -13.82	69.85 3.17 -19.41	67.98 3.38 -15.61	65.04 3.99 -9.18	66.61 4.39 -5.16	75.80 5.22 -0.01	89.00 6.21 -0.01	91.17 6.12 0.00	89.59 6.15 -0.30	94.56 6.79 -1.79	97.74 6.69 -12.35	81.28 5.56 -9.57	74.98 5.18 -9.58	74.94 4.77 -14.05	70.85 5.26 -7.12	76.72 5.34 -12.01	91.63 6.31 -15.15	140.02 6.45 -61.86	89.60 5.05 -27.78	76.05 5.42 -8.31	70.34 5.21 -6.59	69.01 5.09 -8.03	68.94 4.27 -12.66
GOWANUS_GT1_3 24079	72.18 4.52 -3.07	68.82 3.69 -13.82	69.85 3.17 -19.41	67.98 3.38 -15.61	65.04 3.99 -9.18	66.61 4.39 -5.16	75.80 5.22 -0.01	89.00 6.21 -0.01	91.17 6.12 0.00	89.59 6.15 -0.30	94.56 6.79 -1.79	97.74 6.69 -12.35	81.28 5.56 -9.57	74.98 5.18 -9.58	74.94 4.77 -14.05	70.85 5.26 -7.12	76.72 5.34 -12.01	91.63 6.31 -15.15	140.02 6.45 -61.86	89.60 5.05 -27.78	76.05 5.42 -8.31	70.34 5.21 -6.59	69.01 5.09 -8.03	68.94 4.27 -12.66
GOWANUS_GT1_4 24080	72.18 4.52 -3.07	68.82 3.69 -13.82	69.85 3.17 -19.41	67.98 3.38 -15.61	65.04 3.99 -9.18	66.61 4.39 -5.16	75.80 5.22 -0.01	89.00 6.21 -0.01	91.17 6.12 0.00	89.59 6.15 -0.30	94.56 6.79 -1.79	97.74 6.69 -12.35	81.28 5.56 -9.57	74.98 5.18 -9.58	74.94 4.77 -14.05	70.85 5.26 -7.12	76.72 5.34 -12.01	91.63 6.31 -15.15	140.02 6.45 -61.86	89.60 5.05 -27.78	76.05 5.42 -8.31	70.34 5.21 -6.59	69.01 5.09 -8.03	68.94 4.27 -12.66
GOWANUS_GT1_5 24084	72.18 4.52 -3.07	68.82 3.69 -13.82	69.85 3.17 -19.41	67.98 3.38 -15.61	65.04 3.99 -9.18	66.61 4.39 -5.16	75.80 5.22 -0.01	89.00 6.21 -0.01	91.17 6.12 0.00	89.59 6.15 -0.30	94.56 6.79 -1.79	97.74 6.69 -12.35	81.28 5.56 -9.57	74.98 5.18 -9.58	74.94 4.77 -14.05	70.85 5.26 -7.12	76.72 5.34 -12.01	91.63 6.31 -15.15	140.02 6.45 -61.86	89.60 5.05 -27.78	76.05 5.42 -8.31	70.34 5.21 -6.59	69.01 5.09 -8.03	68.94 4.27 -12.66
GOWANUS_GT1_6 24111	72.18 4.52 -3.07	68.82 3.69 -13.82	69.85 3.17 -19.41	67.98 3.38 -15.61	65.04 3.99 -9.18	66.61 4.39 -5.16	75.80 5.22 -0.01	89.00 6.21 -0.01	91.17 6.12 0.00	89.59 6.15 -0.30	94.56 6.79 -1.79	97.74 6.69 -12.35	81.28 5.56 -9.57	74.98 5.18 -9.58	74.94 4.77 -14.05	70.85 5.26 -7.12	76.72 5.34 -12.01	91.63 6.31 -15.15	140.02 6.45 -61.86	89.60 5.05 -27.78	76.05 5.42 -8.31	70.34 5.21 -6.59	69.01 5.09 -8.03	68.94 4.27 -12.66
GOWANUS_GT1_7 24112	72.18 4.52 -3.07	68.82 3.69 -13.82	69.85 3.17 -19.41	67.98 3.38 -15.61	65.04 3.99 -9.18	66.61 4.39 -5.16	75.80 5.22 -0.01	89.00 6.21 -0.01	91.17 6.12 0.00	89.59 6.15 -0.30	94.56 6.79 -1.79	97.74 6.69 -12.35	81.28 5.56 -9.57	74.98 5.18 -9.58	74.94 4.77 -14.05	70.85 5.26 -7.12	76.72 5.34 -12.01	91.63 6.31 -15.15	140.02 6.45 -61.86	89.60 5.05 -27.78	76.05 5.42 -8.31	70.34 5.21 -6.59	69.01 5.09 -8.03	68.94 4.27 -12.66
GOWANUS_GT1_8 24113	72.18 4.52 -3.07	68.82 3.69 -13.82	69.85 3.17 -19.41	67.98 3.38 -15.61	65.04 3.99 -9.18	66.61 4.39 -5.16	75.80 5.22 -0.01	89.00 6.21 -0.01	91.17 6.12 0.00	89.59 6.15 -0.30	94.56 6.79 -1.79	97.74 6.69 -12.35	81.28 5.56 -9.57	74.98 5.18 -9.58	74.94 4.77 -14.05	70.85 5.26 -7.12	76.72 5.34 -12.01	91.63 6.31 -15.15	140.02 6.45 -61.86	89.60 5.05 -27.78	76.05 5.42 -8.31	70.34 5.21 -6.59	69.01 5.09 -8.03	68.94 4.27 -12.66
GOWANUS_GT2_1 24114	72.17 4.52 -3.07	68.82 3.70 -13.82	69.85 3.17 -19.41	67.98 3.38 -15.61	65.04 3.99 -9.18	66.61 4.39 -5.16	75.80 5.22 -0.01	89.00 6.21 -0.01	91.17 6.13 0.00	89.59 6.15 -0.30	94.56 6.79 -1.79	97.74 6.69 -12.35	81.34 5.62 -9.57	74.98 5.18 -9.58	74.94 4.77 -14.05	70.85 5.26 -7.12	76.65 5.28 -12.01	91.63 6.32 -15.15	140.02 6.46 -61.86	89.59 5.05 -27.77	76.11 5.48 -8.31	70.28 5.15 -6.59	69.01 5.09 -8.03	68.94 4.27 -12.66
GOWANUS_GT2_2 24115	72.17 4.52 -3.07	68.82 3.70 -13.82	69.85 3.17 -19.41	67.98 3.38 -15.61	65.04 3.99 -9.18	66.61 4.39 -5.16	75.80 5.22 -0.01	89.00 6.21 -0.01	91.17 6.13 0.00	89.59 6.15 -0.30	94.56 6.79 -1.79	97.74 6.69 -12.35	81.34 5.62 -9.57	74.98 5.18 -9.58	74.94 4.77 -14.05	70.85 5.26 -7.12	76.65 5.28 -12.01	91.63 6.32 -15.15	140.02 6.46 -61.86	89.59 5.05 -27.77	76.11 5.48 -8.31	70.28 5.15 -6.59	69.01 5.09 -8.03	68.94 4.27 -12.66
GOWANUS_GT2_3 24116	72.17 4.52 -3.07	68.82 3.70 -13.82	69.85 3.17 -19.41	67.98 3.38 -15.61	65.04 3.99 -9.18	66.61 4.39 -5.16	75.80 5.22 -0.01	89.00 6.21 -0.01	91.17 6.13 0.00	89.59 6.15 -0.30	94.56 6.79 -1.79	97.74 6.69 -12.35	81.34 5.62 -9.57	74.98 5.18 -9.58	74.94 4.77 -14.05	70.85 5.26 -7.12	76.65 5.28 -12.01	91.63 6.32 -15.15	140.02 6.46 -61.86	89.59 5.05 -27.77	76.11 5.48 -8.31	70.28 5.15 -6.59	69.01 5.09 -8.03	68.94 4.27 -12.66



GOWANUS_GT2_4 24117	72.17 4.52 -3.07	68.82 3.70 -13.82	69.85 3.17 -19.41	67.98 3.38 -15.61	65.04 3.99 -9.18	66.61 4.39 -5.16	75.80 5.22 -0.01	89.00 6.21 -0.01	91.17 6.13 0.00	89.59 6.15 -0.30	94.56 6.79 -1.79	97.74 6.69 -12.35	81.34 5.62 -9.57	74.98 5.18 -9.58	74.94 4.77 -14.05	70.85 5.26 -7.12	76.65 5.28 -12.01	91.63 6.32 -15.15	140.02 6.46 -61.86	89.59 5.05 -27.77	76.11 5.48 -8.31	70.28 5.15 -6.59	69.01 5.09 -8.03	68.94 4.27 -12.66
GOWANUS_GT2_5 24118	72.17 4.52 -3.07	68.82 3.70 -13.82	69.85 3.17 -19.41	67.98 3.38 -15.61	65.04 3.99 -9.18	66.61 4.39 -5.16	75.80 5.22 -0.01	89.00 6.21 -0.01	91.17 6.13 0.00	89.59 6.15 -0.30	94.56 6.79 -1.79	97.74 6.69 -12.35	81.34 5.62 -9.57	74.98 5.18 -9.58	74.94 4.77 -14.05	70.85 5.26 -7.12	76.65 5.28 -12.01	91.63 6.32 -15.15	140.02 6.46 -61.86	89.59 5.05 -27.77	76.11 5.48 -8.31	70.28 5.15 -6.59	69.01 5.09 -8.03	68.94 4.27 -12.66
GOWANUS_GT2_6 24119	72.17 4.52 -3.07	68.82 3.70 -13.82	69.85 3.17 -19.41	67.98 3.38 -15.61	65.04 3.99 -9.18	66.61 4.39 -5.16	75.80 5.22 -0.01	89.00 6.21 -0.01	91.17 6.13 0.00	89.59 6.15 -0.30	94.56 6.79 -1.79	97.74 6.69 -12.35	81.34 5.62 -9.57	74.98 5.18 -9.58	74.94 4.77 -14.05	70.85 5.26 -7.12	76.65 5.28 -12.01	91.63 6.32 -15.15	140.02 6.46 -61.86	89.59 5.05 -27.77	76.11 5.48 -8.31	70.28 5.15 -6.59	69.01 5.09 -8.03	68.94 4.27 -12.66
GOWANUS_GT2_7 24120	72.17 4.52 -3.07	68.82 3.70 -13.82	69.85 3.17 -19.41	67.98 3.38 -15.61	65.04 3.99 -9.18	66.61 4.39 -5.16	75.80 5.22 -0.01	89.00 6.21 -0.01	91.17 6.13 0.00	89.59 6.15 -0.30	94.56 6.79 -1.79	97.74 6.69 -12.35	81.34 5.62 -9.57	74.98 5.18 -9.58	74.94 4.77 -14.05	70.85 5.26 -7.12	76.65 5.28 -12.01	91.63 6.32 -15.15	140.02 6.46 -61.86	89.59 5.05 -27.77	76.11 5.48 -8.31	70.28 5.15 -6.59	69.01 5.09 -8.03	68.94 4.27 -12.66
GOWANUS_GT2_8 24121	72.17 4.52 -3.07	68.82 3.70 -13.82	69.85 3.17 -19.41	67.98 3.38 -15.61	65.04 3.99 -9.18	66.61 4.39 -5.16	75.80 5.22 -0.01	89.00 6.21 -0.01	91.17 6.13 0.00	89.59 6.15 -0.30	94.56 6.79 -1.79	97.74 6.69 -12.35	81.34 5.62 -9.57	74.98 5.18 -9.58	74.94 4.77 -14.05	70.85 5.26 -7.12	76.65 5.28 -12.01	91.63 6.32 -15.15	140.02 6.46 -61.86	89.59 5.05 -27.77	76.11 5.48 -8.31	70.28 5.15 -6.59	69.01 5.09 -8.03	68.94 4.27 -12.66
GOWANUS_GT3_1 24122	72.17 4.52 -3.07	68.82 3.70 -13.82	69.85 3.17 -19.41	67.98 3.38 -15.61	65.04 3.99 -9.18	66.61 4.39 -5.16	75.80 5.22 -0.01	89.00 6.21 -0.01	91.17 6.13 0.00	89.59 6.15 -0.30	94.56 6.79 -1.79	97.74 6.69 -12.35	81.34 5.62 -9.57	74.98 5.18 -9.58	74.94 4.77 -14.05	70.85 5.26 -7.12	76.65 5.28 -12.01	91.63 6.32 -15.15	140.02 6.46 -61.86	89.59 5.05 -27.77	76.11 5.48 -8.31	70.28 5.15 -6.59	69.01 5.09 -8.03	68.94 4.27 -12.66
GOWANUS_GT3_2 24123	72.17 4.52 -3.07	68.82 3.70 -13.82	69.85 3.17 -19.41	67.98 3.38 -15.61	65.04 3.99 -9.18	66.61 4.39 -5.16	75.80 5.22 -0.01	89.00 6.21 -0.01	91.17 6.13 0.00	89.59 6.15 -0.30	94.56 6.79 -1.79	97.74 6.69 -12.35	81.34 5.62 -9.57	74.98 5.18 -9.58	74.94 4.77 -14.05	70.85 5.26 -7.12	76.65 5.28 -12.01	91.63 6.32 -15.15	140.02 6.46 -61.86	89.59 5.05 -27.77	76.11 5.48 -8.31	70.28 5.15 -6.59	69.01 5.09 -8.03	68.94 4.27 -12.66



GOWANUS_GT4_3 24132	72.18 4.52 -3.07	68.82 3.69 -13.82	69.85 3.17 -19.41	67.98 3.38 -15.61	65.04 3.99 -9.18	66.61 4.39 -5.16	75.80 5.22 -0.01	89.00 6.21 -0.01	91.17 6.12 0.00	89.59 6.15 -0.30	94.56 6.79 -1.79	97.74 6.69 -12.35	81.28 5.56 -9.57	74.98 5.18 -9.58	74.94 4.77 -14.05	70.85 5.26 -7.12	76.72 5.34 -12.01	91.63 6.31 -15.15	140.02 6.45 -61.86	89.60 5.05 -27.78	76.05 5.42 -8.31	70.34 5.21 -6.59	69.01 5.09 -8.03	68.94 4.27 -12.66
GOWANUS_GT4_4 24133	72.18 4.52 -3.07	68.82 3.69 -13.82	69.85 3.17 -19.41	67.98 3.38 -15.61	65.04 3.99 -9.18	66.61 4.39 -5.16	75.80 5.22 -0.01	89.00 6.21 -0.01	91.17 6.12 0.00	89.59 6.15 -0.30	94.56 6.79 -1.79	97.74 6.69 -12.35	81.28 5.56 -9.57	74.98 5.18 -9.58	74.94 4.77 -14.05	70.85 5.26 -7.12	76.72 5.34 -12.01	91.63 6.31 -15.15	140.02 6.45 -61.86	89.60 5.05 -27.78	76.05 5.42 -8.31	70.34 5.21 -6.59	69.01 5.09 -8.03	68.94 4.27 -12.66
GOWANUS_GT4_5 24134	72.18 4.52 -3.07	68.82 3.69 -13.82	69.85 3.17 -19.41	67.98 3.38 -15.61	65.04 3.99 -9.18	66.61 4.39 -5.16	75.80 5.22 -0.01	89.00 6.21 -0.01	91.17 6.12 0.00	89.59 6.15 -0.30	94.56 6.79 -1.79	97.74 6.69 -12.35	81.28 5.56 -9.57	74.98 5.18 -9.58	74.94 4.77 -14.05	70.85 5.26 -7.12	76.72 5.34 -12.01	91.63 6.31 -15.15	140.02 6.45 -61.86	89.60 5.05 -27.78	76.05 5.42 -8.31	70.34 5.21 -6.59	69.01 5.09 -8.03	68.94 4.27 -12.66
GOWANUS_GT4_6 24135	72.18 4.52 -3.07	68.82 3.69 -13.82	69.85 3.17 -19.41	67.98 3.38 -15.61	65.04 3.99 -9.18	66.61 4.39 -5.16	75.80 5.22 -0.01	89.00 6.21 -0.01	91.17 6.12 0.00	89.59 6.15 -0.30	94.56 6.79 -1.79	97.74 6.69 -12.35	81.28 5.56 -9.57	74.98 5.18 -9.58	74.94 4.77 -14.05	70.85 5.26 -7.12	76.72 5.34 -12.01	91.63 6.31 -15.15	140.02 6.45 -61.86	89.60 5.05 -27.78	76.05 5.42 -8.31	70.34 5.21 -6.59	69.01 5.09 -8.03	68.94 4.27 -12.66
GOWANUS_GT4_7 24136	72.18 4.52 -3.07	68.82 3.69 -13.82	69.85 3.17 -19.41	67.98 3.38 -15.61	65.04 3.99 -9.18	66.61 4.39 -5.16	75.80 5.22 -0.01	89.00 6.21 -0.01	91.17 6.12 0.00	89.59 6.15 -0.30	94.56 6.79 -1.79	97.74 6.69 -12.35	81.28 5.56 -9.57	74.98 5.18 -9.58	74.94 4.77 -14.05	70.85 5.26 -7.12	76.72 5.34 -12.01	91.63 6.31 -15.15	140.02 6.45 -61.86	89.60 5.05 -27.78	76.05 5.42 -8.31	70.34 5.21 -6.59	69.01 5.09 -8.03	68.94 4.27 -12.66
GOWANUS_GT4_8 24137	72.18 4.52 -3.07	68.82 3.69 -13.82	69.85 3.17 -19.41	67.98 3.38 -15.61	65.04 3.99 -9.18	66.61 4.39 -5.16	75.80 5.22 -0.01	89.00 6.21 -0.01	91.17 6.12 0.00	89.59 6.15 -0.30	94.56 6.79 -1.79	97.74 6.69 -12.35	81.28 5.56 -9.57	74.98 5.18 -9.58	74.94 4.77 -14.05	70.85 5.26 -7.12	76.72 5.34 -12.01	91.63 6.31 -15.15	140.02 6.45 -61.86	89.60 5.05 -27.78	76.05 5.42 -8.31	70.34 5.21 -6.59	69.01 5.09 -8.03	68.94 4.27 -12.66
GREENBSH_115KV_TB3 55895	84.67 2.65 -17.43	79.73 2.21 -26.22	77.45 2.03 -28.15	70.13 2.11 -19.03	54.14 2.28 0.00	59.45 2.40 0.00	73.25 2.68 0.00	85.84 3.06 0.00	88.27 3.23 0.00	87.99 3.16 -1.69	99.73 3.53 -10.22	105.01 3.46 -22.84	94.47 2.84 -25.47	76.92 2.65 -14.05	75.72 2.47 -17.13	69.55 2.40 -8.69	76.39 2.37 -14.65	91.38 2.74 -18.48	100.35 2.80 -25.85	98.57 2.21 -39.59	76.84 2.49 -12.03	68.79 2.28 -7.97	58.18 2.29 0.00	59.78 2.24 -5.53
GREENIDGE_115KV_TB5 80291	63.56 -1.87 -0.85	53.28 -1.13 -3.10	50.47 -1.04 -4.24	51.27 -1.08 -3.36	51.18 -0.67 0.00	56.60 -0.46 0.00	69.01 -1.55 0.00	80.67 -2.15 -0.04	83.93 -2.13 -1.01	81.08 -2.66 -0.61	89.09 -2.84 -5.95	80.94 -2.05 -4.28	66.74 -1.72 -2.31	62.38 -1.57 -3.72	60.73 -1.46 -6.07	60.32 -1.23 -3.09	63.67 -0.89 -5.20	78.83 -0.70 -9.37	85.10 -0.65 -14.04	73.59 -0.57 -17.39	64.97 -0.69 -3.35	60.34 -0.94 -2.74	55.55 -0.34 0.00	52.63 -0.36 -0.97
GREENIDGE___3 23582	63.56 -1.87 -0.85	53.28 -1.13 -3.10	50.47 -1.04 -4.24	51.27 -1.08 -3.36	51.18 -0.67 0.00	56.60 -0.46 0.00	69.01 -1.55 0.00	80.67 -2.15 -0.04	83.93 -2.13 -1.01	81.08 -2.66 -0.61	89.09 -2.84 -5.95	80.94 -2.05 -4.28	66.74 -1.72 -2.31	62.38 -1.57 -3.72	60.73 -1.46 -6.07	60.32 -1.23 -3.09	63.67 -0.89 -5.20	78.83 -0.70 -9.37	85.10 -0.65 -14.04	73.59 -0.57 -17.39	64.97 -0.69 -3.35	60.34 -0.94 -2.74	55.55 -0.34 0.00	52.63 -0.36 -0.97
GREENIDGE___4 23583	63.56 -1.88 -0.85	53.28 -1.13 -3.10	50.47 -1.04 -4.24	51.27 -1.08 -3.36	51.18 -0.68 0.00	56.60 -0.46 0.00	69.01 -1.55 0.00	80.67 -2.15 -0.04	83.93 -2.12 -1.01	81.08 -2.66 -0.61	89.09 -2.84 -5.95	80.94 -2.05 -4.28	66.74 -1.72 -2.31	62.38 -1.57 -3.72	60.73 -1.46 -6.07	60.26 -1.29 -3.09	63.67 -0.89 -5.19	78.82 -0.70 -9.36	85.09 -0.65 -14.03	73.58 -0.57 -17.38	64.97 -0.68 -3.34	60.34 -0.94 -2.73	55.56 -0.33 0.00	52.63 -0.36 -0.97
GREENLWN_69_KV_BK 3 55738	116.48 4.52 -47.37	82.87 3.69 -27.87	81.64 3.21 -31.15	77.70 3.43 -25.28	77.66 3.89 -21.91	77.20 4.28 -15.86	129.01 5.29 -53.15	148.89 6.21 -59.90	151.68 6.04 -60.60	151.67 5.90 -62.63	169.16 6.79 -76.39	144.43 6.61 -59.11	135.73 5.69 -63.89	130.22 5.24 -64.76	129.94 4.88 -68.94	144.45 5.09 -80.90	142.01 5.28 -77.36	153.37 5.82 -77.39	153.37 6.09 -75.58	144.35 4.94 -82.65	137.35 5.55 -69.49	118.63 5.15 -54.94	114.42 4.92 -53.61	106.82 4.16 -50.64
GREENWD_138_KV_38B11_REV_LBMP_J 345004	72.18 4.52 -3.07	68.82 3.69 -13.82	69.85 3.17 -19.41	67.98 3.38 -15.61	65.04 3.99 -9.18	66.61 4.39 -5.16	75.80 5.22 -0.01	89.00 6.21 -0.01	91.17 6.12 0.00	89.59 6.15 -0.30	94.56 6.79 -1.79	97.74 6.69 -12.35	81.28 5.56 -9.57	74.98 5.18 -9.58	74.94 4.77 -14.05	70.85 5.26 -7.12	76.72 5.34 -12.01	91.63 6.31 -15.15	140.02 6.45 -61.86	89.60 5.05 -27.78	76.05 5.42 -8.31	70.34 5.21 -6.59	69.01 5.09 -8.03	68.94 4.27 -12.66
GRISSOM___SOLAR 323813	102.21 4.65 -32.96	93.50 3.80 -38.39	86.42 3.50 -35.65	73.69 3.63 -21.07	55.95 4.10 0.00	61.51 4.45 0.00	75.93 5.36 0.00	89.32 6.54 0.00	91.50 6.46 0.00	92.57 6.24 -3.19	111.76 6.45 -19.33	116.97 5.74 -32.52	112.19 5.02 -41.02	82.50 4.52 -17.76	79.31 4.21 -18.97	72.65 4.56 -9.62	80.45 4.87 -16.22	96.66 6.03 -20.46	106.49 6.17 -28.62	110.84 4.94 -49.13	82.68 5.29 -15.08	72.34 4.97 -8.82	60.70 4.81 0.00	62.19 4.06 -6.12
GROVEVILLE___HYD 323602	71.64 3.88 -3.17	68.42 3.18 -13.93	69.58 2.79 -19.52	67.60 2.94 -15.67	55.23 3.37 0.00	60.71 3.65 0.00	75.01 4.45 0.00	87.83 5.05 0.00	90.57 5.53 0.00	88.93 5.49 -0.31	94.03 6.19 -1.86	97.23 5.98 -12.54	80.98 4.96 -9.87	74.53 4.52 -9.79	74.71 4.27 -14.33	70.29 4.56 -7.27	76.01 4.39 -12.25	90.81 5.19 -15.46	98.63 5.31 -21.62	89.29 4.14 -28.38	75.42 4.61 -8.50	69.48 4.27 -6.66	60.03 4.14 0.00	60.05 3.49 -4.55
GRS_LOCK_115KV_LINE_2_SOLVAY 80269	63.36 -1.23 0.00	52.02 -0.72 -1.43	48.85 -0.66 -2.24	50.21 -0.69 -1.90	51.18 -0.67 0.00	56.37 -0.68 0.00	69.44 -1.13 0.00	81.13 -1.66 0.00	83.51 -1.53 0.00	81.39 -1.75 0.00	84.60 -1.38 0.00	79.13 -1.10 -1.53	66.50 -0.86 -1.21	60.62 -0.78 -1.18	57.11 -0.73 -1.72	58.69 -0.64 -0.87	60.30 -0.53 -1.47	71.46 -0.56 -1.86	73.87 -0.43 -2.60	59.68 -0.51 -3.42	62.84 -0.50 -1.03	58.93 -0.41 -0.80	55.44 -0.45 0.00	52.20 -0.36 -0.55



HAMLTNNY_34_KV_TB 80303	63.36 -1.23 0.00	52.15 -0.67 -1.50	48.97 -0.66 -2.36	50.31 -0.69 -2.00	51.24 -0.62 0.00	56.43 -0.63 0.00	69.51 -1.06 0.00	81.21 -1.57 0.00	83.51 -1.53 0.00	81.39 -1.75 0.00	84.60 -1.38 0.00	79.14 -1.18 -1.62	66.51 -0.93 -1.28	60.68 -0.78 -1.24	57.20 -0.73 -1.81	58.74 -0.64 -0.92	60.44 -0.47 -1.55	71.62 -0.49 -1.96	74.08 -0.36 -2.74	59.92 -0.45 -3.61	62.96 -0.44 -1.08	59.03 -0.35 -0.84	55.50 -0.39 0.00	52.34 -0.26 -0.58
HAMPSHIRE___PAPER_HYD 323593	64.52 -0.06 0.00	51.47 -0.20 -0.37	47.52 -0.33 -0.58	49.14 -0.34 -0.49	51.39 -0.47 0.00	56.66 -0.40 0.00	70.43 -0.14 0.00	82.53 -0.25 0.00	84.19 -0.85 0.00	82.39 -0.75 0.00	85.55 -0.43 0.00	78.51 -0.39 -0.20	65.89 -0.26 0.00	60.19 -0.24 -0.20	56.20 -0.28 -0.36	58.06 -0.58 -0.18	57.36 -1.07 0.93	69.51 -1.13 -0.48	71.08 -1.07 -0.45	56.67 -0.85 -0.75	61.53 -1.00 -0.22	57.81 -0.94 -0.21	55.16 -0.73 0.00	51.54 -0.62 -0.14
HARDSCRABBLE_WT_PWR 323673	65.10 0.51 0.00	51.82 0.51 0.00	47.70 0.42 0.00	49.48 0.49 0.00	52.38 0.52 0.00	57.57 0.51 0.00	71.20 0.63 0.00	83.44 0.66 0.00	85.72 0.68 0.00	83.89 0.75 0.00	87.44 1.46 0.00	80.52 1.81 0.00	67.40 1.25 0.00	61.07 0.84 0.00	56.40 0.28 0.00	58.58 0.12 0.00	59.56 0.06 -0.14	70.23 0.07 0.00	71.87 0.14 -0.02	56.82 0.06 0.00	62.37 0.06 0.00	58.78 0.24 0.00	56.17 0.28 0.00	52.22 0.21 0.00
HARRIMAN_69_KV_BK771_REV_LBMP_G 345025	70.55 3.10 -2.86	66.85 2.57 -12.97	67.78 2.27 -18.24	66.07 2.40 -14.67	54.66 2.80 0.00	60.14 3.08 0.00	74.31 3.74 0.00	87.00 4.22 0.00	89.38 4.34 0.00	87.74 4.32 -0.28	92.56 4.90 -1.68	95.10 4.80 -11.59	79.09 3.97 -8.97	72.82 3.61 -8.99	72.72 3.42 -13.18	68.89 3.74 -6.68	74.43 3.80 -11.27	88.94 4.56 -14.22	96.17 4.59 -19.88	86.46 3.63 -26.06	74.10 3.99 -7.80	68.36 3.69 -6.13	59.47 3.58 0.00	59.24 2.96 -4.26
HARSNRAD_115KV_TB1 81005	57.48 -7.10 0.00	48.47 -4.82 -1.98	45.99 -4.40 -3.12	47.08 -4.56 -2.64	47.19 -4.67 0.00	52.32 -4.74 0.00	62.88 -7.69 0.00	72.08 -10.68 0.02	73.48 -10.89 0.67	72.13 -10.73 0.28	70.78 -10.92 4.28	70.48 -9.52 -1.30	60.59 -7.28 -1.72	54.97 -6.02 -0.77	51.56 -5.33 -0.77	53.00 -5.85 -0.38	54.79 -5.22 -0.65	62.78 -6.74 0.65	63.59 -6.74 1.38	49.97 -5.62 1.18	57.19 -5.73 -0.61	53.78 -5.15 -0.39	51.42 -4.47 0.00	49.45 -3.33 -0.77
HARZA MOOSE___RIVER 24016	65.69 1.10 0.00	52.64 0.87 -0.46	48.70 0.71 -0.72	50.34 0.73 -0.61	52.64 0.78 0.00	57.97 0.91 0.00	71.91 1.34 0.00	84.44 1.66 0.00	86.49 1.45 0.00	84.55 1.41 0.00	87.96 1.98 0.00	80.79 1.81 -0.27	67.80 1.65 0.00	62.02 1.51 -0.29	57.93 1.29 -0.52	60.19 1.46 -0.26	60.82 1.31 -0.15	72.30 1.61 -0.53	74.12 1.72 -0.70	58.91 1.31 -0.83	63.93 1.37 -0.24	59.94 1.17 -0.23	56.90 1.01 0.00	53.02 0.83 -0.18
HDSNBRDG_115KV_BRDG_TB1 355580	62.78 -1.81 0.00	51.44 -1.18 -1.31	48.25 -1.09 -2.06	49.62 -1.13 -1.75	50.72 -1.14 0.00	55.92 -1.14 0.00	68.80 -1.76 0.00	80.38 -2.40 0.00	82.75 -2.30 0.00	80.73 -2.41 0.00	83.83 -2.15 0.00	77.68 -1.81 -0.78	64.69 -1.46 0.00	59.79 -1.32 -0.89	56.52 -1.18 -1.58	58.09 -1.17 -0.80	59.71 -1.01 -1.35	70.68 -1.19 -1.71	72.95 -1.15 -2.39	58.43 -1.02 -2.69	61.98 -1.12 -0.79	58.28 -1.00 -0.74	55.00 -0.89 0.00	51.79 -0.73 -0.51
HELLGATE_13_KV_LD 55870	71.85 4.20 -3.07	68.56 3.44 -13.82	69.66 2.98 -19.41	67.79 3.18 -15.61	55.50 3.63 -0.01	61.06 3.99 -0.01	75.51 4.94 -0.01	88.75 5.96 -0.01	90.83 5.78 0.00	89.26 5.82 -0.30	94.13 6.36 -1.79	97.35 6.30 -12.35	80.94 5.23 -9.57	74.62 4.82 -9.58	74.66 4.49 -14.05	70.44 4.85 -7.12	76.30 4.93 -12.01	91.21 5.89 -15.15	100.30 5.95 -22.65	89.20 4.65 -27.78	75.61 4.98 -8.31	69.87 4.80 -6.53	60.54 4.64 -0.01	60.45 3.90 -4.54
HELLGT_W_13_KV_BRUCKNER_REV_LBMP_J 345018	71.85 4.20 -3.07	68.56 3.44 -13.82	69.66 2.98 -19.41	67.79 3.18 -15.61	55.50 3.63 -0.01	61.06 3.99 -0.01	75.51 4.94 -0.01	88.75 5.96 -0.01	90.83 5.78 0.00	89.26 5.82 -0.30	94.13 6.36 -1.79	97.35 6.30 -12.35	80.94 5.23 -9.57	74.62 4.82 -9.58	74.66 4.49 -14.05	70.44 4.85 -7.12	76.30 4.93 -12.01	91.21 5.89 -15.15	100.30 5.95 -22.65	89.20 4.65 -27.78	75.61 4.98 -8.31	69.87 4.80 -6.53	60.54 4.64 -0.01	60.45 3.90 -4.54
HEMPSTEAD____ 23647	116.41 4.45 -47.37	82.82 3.64 -27.87	81.64 3.22 -31.15	77.65 3.38 -25.28	77.61 3.84 -21.91	77.14 4.22 -15.86	128.87 5.15 -53.15	148.89 6.21 -59.90	152.11 6.46 -60.61	152.18 6.40 -62.64	169.44 7.05 -76.41	144.67 6.84 -59.11	135.73 5.69 -63.89	130.16 5.18 -64.76	129.89 4.83 -68.94	144.51 5.15 -80.90	142.01 5.28 -77.36	153.86 6.32 -77.39	153.67 6.38 -75.59	144.41 5.00 -82.64	137.16 5.36 -69.49	118.45 4.97 -54.94	114.36 4.86 -53.61	106.76 4.11 -50.64
HEWLETT_69_KV_BK3 55828	116.87 4.91 -47.37	83.18 4.00 -27.87	81.97 3.55 -31.15	77.99 3.72 -25.28	77.97 4.20 -21.91	77.54 4.62 -15.86	129.37 5.65 -53.15	149.14 6.46 -59.90	152.28 6.63 -60.61	152.34 6.57 -62.64	169.69 7.31 -76.41	144.90 7.08 -59.11	135.93 5.89 -63.89	130.34 5.36 -64.76	130.00 4.94 -68.94	144.68 5.32 -80.90	142.19 5.46 -77.36	154.07 6.52 -77.39	154.03 6.74 -75.59	144.64 5.22 -82.65	137.41 5.61 -69.49	118.86 5.39 -54.94	114.70 5.20 -53.61	107.13 4.47 -50.64
HICKLING___1 23621	63.52 -2.13 -1.06	53.33 -1.85 -3.86	50.85 -1.70 -5.28	51.36 -1.81 -4.18	50.87 -0.99 0.00	56.26 -0.80 0.00	68.66 -1.91 0.00	80.40 -2.40 -0.02	82.97 -2.47 -0.40	80.62 -2.83 -0.31	86.34 -2.41 -2.77	80.73 -2.05 -4.07	67.10 -1.92 -2.87	61.67 -1.81 -3.26	59.35 -1.74 -4.97	59.64 -1.34 -2.52	62.48 -1.13 -4.25	75.72 -0.91 -6.47	80.36 -0.79 -9.45	68.04 -0.79 -12.07	64.12 -1.06 -2.87	59.24 -1.58 -2.28	55.16 -0.73 0.00	52.19 -1.04 -1.21
HICKLING___2 23622	63.52 -2.13 -1.06	53.33 -1.85 -3.86	50.85 -1.70 -5.28	51.36 -1.81 -4.18	50.87 -0.99 0.00	56.26 -0.80 0.00	68.66 -1.91 0.00	80.40 -2.40 -0.02	82.97 -2.47 -0.40	80.62 -2.83 -0.31	86.34 -2.41 -2.77	80.73 -2.05 -4.07	67.10 -1.92 -2.87	61.67 -1.81 -3.26	59.35 -1.74 -4.97	59.64 -1.34 -2.52	62.48 -1.13 -4.25	75.72 -0.91 -6.47	80.36 -0.79 -9.45	68.04 -0.79 -12.07	64.12 -1.06 -2.87	59.24 -1.58 -2.28	55.16 -0.73 0.00	52.19 -1.04 -1.21
HIGH FALLS___HY 23754	72.64 3.62 -4.43	68.97 2.92 -14.74	69.66 2.55 -19.84	67.33 2.74 -15.59	55.02 3.16 0.00	60.48 3.42 0.00	74.87 4.30 0.00	87.42 4.64 0.00	89.80 4.76 0.00	88.31 4.74 -0.43	93.91 5.33 -2.60	96.93 5.12 -13.11	81.32 4.23 -10.93	73.86 3.85 -9.78	73.76 3.65 -13.99	69.65 4.09 -7.09	75.66 4.33 -11.96	90.44 5.19 -15.09	98.11 5.31 -21.10	89.16 4.14 -28.24	75.46 4.67 -8.47	69.26 4.22 -6.50	59.91 4.02 0.00	59.87 3.33 -4.53
HIGH_RIVER___SOLAR 323847	102.70 3.29 -34.82	93.18 2.72 -39.15	85.21 2.50 -35.44	71.97 2.59 -20.38	54.76 2.90 0.00	60.14 3.08 0.00	74.30 3.74 0.00	87.33 4.55 0.00	89.55 4.50 0.00	90.75 4.24 -3.37	110.96 4.55 -20.42	116.21 4.09 -33.42	112.94 3.64 -43.15	81.24 3.25 -17.77	77.50 3.03 -18.35	71.04 3.27 -9.30	78.55 3.50 -15.69	94.30 4.35 -19.79	103.76 4.37 -27.68	109.19 3.46 -48.96	81.17 3.80 -15.06	70.59 3.51 -8.53	59.30 3.41 0.00	60.79 2.86 -5.92



HILLBURN___GT 23639	70.53 3.04 -2.90	66.97 2.51 -13.15	67.94 2.18 -18.49	66.17 2.30 -14.87	54.60 2.75 0.00	60.02 2.97 0.00	74.23 3.67 0.00	87.08 4.30 0.00	89.38 4.33 0.00	87.74 4.32 -0.28	92.58 4.90 -1.70	95.25 4.80 -11.74	79.28 4.04 -9.10	73.01 3.67 -9.11	72.91 3.42 -13.37	68.92 3.69 -6.78	74.55 3.74 -11.45	89.09 4.49 -14.44	96.49 4.59 -20.19	86.81 3.58 -26.46	74.16 3.93 -7.92	68.40 3.63 -6.22	59.47 3.58 0.00	59.29 2.96 -4.32
HILLSIDE_115KV_TB1 80332	63.10 -2.58 -1.10	53.05 -2.26 -3.99	50.65 -2.08 -5.46	51.16 -2.16 -4.32	50.51 -1.35 0.00	55.80 -1.26 0.00	68.17 -2.40 0.00	79.90 -2.90 -0.01	82.29 -3.06 -0.31	80.08 -3.33 -0.26	85.18 -3.10 -2.29	80.16 -2.60 -4.05	66.74 -2.38 -2.97	61.19 -2.23 -3.20	58.86 -2.08 -4.81	59.15 -1.75 -2.44	61.94 -1.54 -4.12	74.81 -1.40 -6.05	79.04 -1.43 -8.77	66.80 -1.25 -11.29	63.56 -1.56 -2.81	58.65 -2.11 -2.21	54.72 -1.17 0.00	51.71 -1.56 -1.25
HISHELDN_WT_PWR 323625	59.53 -5.81 -0.75	49.71 -4.41 -2.81	47.11 -4.02 -3.86	47.84 -4.21 -3.06	47.97 -3.89 0.00	53.29 -3.77 0.00	64.22 -6.35 0.00	74.36 -8.36 0.06	74.94 -8.42 1.68	73.61 -8.73 0.80	68.58 -8.77 8.63	70.93 -7.79 -0.02	61.71 -6.42 -1.97	53.84 -5.60 0.79	48.66 -5.16 2.30	52.14 -5.15 1.18	52.51 -4.87 1.98	57.23 -5.75 7.17	54.62 -5.67 11.42	38.97 -4.71 13.09	56.38 -5.05 0.88	52.69 -4.92 0.93	52.03 -3.86 0.00	49.47 -3.43 -0.89
HOLTSVILLE_IC_1 23690	117.64 5.69 -47.37	83.85 4.67 -27.87	82.53 4.11 -31.15	78.68 4.41 -25.28	78.70 4.93 -21.91	78.28 5.36 -15.86	130.29 6.56 -53.15	150.88 8.20 -59.90	154.11 8.42 -60.65	154.05 8.23 -62.68	171.02 8.51 -76.53	145.69 7.87 -59.11	136.39 6.35 -63.89	130.88 5.91 -64.76	130.67 5.61 -68.94	145.56 6.19 -80.90	142.90 6.17 -77.36	155.13 7.58 -77.39	155.23 7.82 -75.71	145.43 6.01 -82.64	138.40 6.60 -69.49	119.57 6.09 -54.94	115.48 5.98 -53.61	107.76 5.10 -50.64
HOLTSVILLE_IC_10 23699	118.03 6.07 -47.37	84.15 4.98 -27.87	82.82 4.40 -31.15	78.93 4.66 -25.28	79.01 5.24 -21.91	78.57 5.65 -15.86	130.71 6.99 -53.15	151.45 8.77 -59.90	154.62 8.93 -60.65	154.54 8.73 -62.68	171.61 9.11 -76.52	146.25 8.43 -59.11	136.86 6.81 -63.89	131.30 6.32 -64.76	131.07 6.01 -68.94	146.03 6.66 -80.90	143.31 6.59 -77.36	155.68 8.13 -77.39	155.79 8.39 -75.71	145.82 6.41 -82.64	138.84 7.04 -69.49	119.92 6.44 -54.94	115.81 6.31 -53.61	108.07 5.41 -50.64
HOLTSVILLE_IC_2 23691	117.64 5.69 -47.37	83.85 4.67 -27.87	82.53 4.11 -31.15	78.68 4.41 -25.28	78.70 4.93 -21.91	78.28 5.36 -15.86	130.29 6.56 -53.15	150.88 8.20 -59.90	154.11 8.42 -60.65	154.05 8.23 -62.68	171.02 8.51 -76.53	145.69 7.87 -59.11	136.39 6.35 -63.89	130.88 5.91 -64.76	130.67 5.61 -68.94	145.56 6.19 -80.90	142.90 6.17 -77.36	155.13 7.58 -77.39	155.23 7.82 -75.71	145.43 6.01 -82.64	138.40 6.60 -69.49	119.57 6.09 -54.94	115.48 5.98 -53.61	107.76 5.10 -50.64
HOLTSVILLE_IC_3 23692	117.64 5.69 -47.37	83.85 4.67 -27.87	82.53 4.11 -31.15	78.68 4.41 -25.28	78.70 4.93 -21.91	78.28 5.36 -15.86	130.29 6.56 -53.15	150.88 8.20 -59.90	154.11 8.42 -60.65	154.05 8.23 -62.68	171.02 8.51 -76.53	145.69 7.87 -59.11	136.39 6.35 -63.89	130.88 5.91 -64.76	130.67 5.61 -68.94	145.56 6.19 -80.90	142.90 6.17 -77.36	155.13 7.58 -77.39	155.23 7.82 -75.71	145.43 6.01 -82.64	138.40 6.60 -69.49	119.57 6.09 -54.94	115.48 5.98 -53.61	107.76 5.10 -50.64
HOLTSVILLE_IC_4 23693	117.64 5.69 -47.37	83.85 4.67 -27.87	82.53 4.11 -31.15	78.68 4.41 -25.28	78.70 4.93 -21.91	78.28 5.36 -15.86	130.29 6.56 -53.15	150.88 8.20 -59.90	154.11 8.42 -60.65	154.05 8.23 -62.68	171.02 8.51 -76.53	145.69 7.87 -59.11	136.39 6.35 -63.89	130.88 5.91 -64.76	130.67 5.61 -68.94	145.56 6.19 -80.90	142.90 6.17 -77.36	155.13 7.58 -77.39	155.23 7.82 -75.71	145.43 6.01 -82.64	138.40 6.60 -69.49	119.57 6.09 -54.94	115.48 5.98 -53.61	107.76 5.10 -50.64
HOLTSVILLE_IC_5 23694	117.64 5.69 -47.37	83.85 4.67 -27.87	82.53 4.11 -31.15	78.68 4.41 -25.28	78.70 4.93 -21.91	78.28 5.36 -15.86	130.29 6.56 -53.15	150.88 8.20 -59.90	154.11 8.42 -60.65	154.05 8.23 -62.68	171.02 8.51 -76.53	145.69 7.87 -59.11	136.39 6.35 -63.89	130.88 5.91 -64.76	130.67 5.61 -68.94	145.56 6.19 -80.90	142.90 6.17 -77.36	155.13 7.58 -77.39	155.23 7.82 -75.71	145.43 6.01 -82.64	138.40 6.60 -69.49	119.57 6.09 -54.94	115.48 5.98 -53.61	107.76 5.10 -50.64
HOLTSVILLE_IC_6 23695	118.03 6.07 -47.37	84.15 4.98 -27.87	82.82 4.40 -31.15	78.93 4.66 -25.28	79.01 5.24 -21.91	78.57 5.65 -15.86	130.71 6.99 -53.15	151.45 8.77 -59.90	154.62 8.93 -60.65	154.54 8.73 -62.68	171.61 9.11 -76.52	146.25 8.43 -59.11	136.86 6.81 -63.89	131.30 6.32 -64.76	131.07 6.01 -68.94	146.03 6.66 -80.90	143.31 6.59 -77.36	155.68 8.13 -77.39	155.79 8.39 -75.71	145.82 6.41 -82.64	138.84 7.04 -69.49	119.92 6.44 -54.94	115.81 6.31 -53.61	108.07 5.41 -50.64
HOLTSVILLE_IC_7 23696	118.03 6.07 -47.37	84.15 4.98 -27.87	82.82 4.40 -31.15	78.93 4.66 -25.28	79.01 5.24 -21.91	78.57 5.65 -15.86	130.71 6.99 -53.15	151.45 8.77 -59.90	154.62 8.93 -60.65	154.54 8.73 -62.68	171.61 9.11 -76.52	146.25 8.43 -59.11	136.86 6.81 -63.89	131.30 6.32 -64.76	131.07 6.01 -68.94	146.03 6.66 -80.90	143.31 6.59 -77.36	155.68 8.13 -77.39	155.79 8.39 -75.71	145.82 6.41 -82.64	138.84 7.04 -69.49	119.92 6.44 -54.94	115.81 6.31 -53.61	108.07 5.41 -50.64
HOLTSVILLE_IC_8 23697	118.03 6.07 -47.37	84.15 4.98 -27.87	82.82 4.40 -31.15	78.93 4.66 -25.28	79.01 5.24 -21.91	78.57 5.65 -15.86	130.71 6.99 -53.15	151.45 8.77 -59.90	154.62 8.93 -60.65	154.54 8.73 -62.68	171.61 9.11 -76.52	146.25 8.43 -59.11	136.86 6.81 -63.89	131.30 6.32 -64.76	131.07 6.01 -68.94	146.03 6.66 -80.90	143.31 6.59 -77.36	155.68 8.13 -77.39	155.79 8.39 -75.71	145.82 6.41 -82.64	138.84 7.04 -69.49	119.92 6.44 -54.94	115.81 6.31 -53.61	108.07 5.41 -50.64
HOLTSVILLE_IC_9 23698	118.03 6.07 -47.37	84.15 4.98 -27.87	82.82 4.40 -31.15	78.93 4.66 -25.28	79.01 5.24 -21.91	78.57 5.65 -15.86	130.71 6.99 -53.15	151.45 8.77 -59.90	154.62 8.93 -60.65	154.54 8.73 -62.68	171.61 9.11 -76.52	146.25 8.43 -59.11	136.86 6.81 -63.89	131.30 6.32 -64.76	131.07 6.01 -68.94	146.03 6.66 -80.90	143.31 6.59 -77.36	155.68 8.13 -77.39	155.79 8.39 -75.71	145.82 6.41 -82.64	138.84 7.04 -69.49	119.92 6.44 -54.94	115.81 6.31 -53.61	108.07 5.41 -50.64
HOMER_HL_115KV_TB2 355744	61.49 -3.88 -0.77	49.33 -4.87 -2.89	46.80 -4.44 -3.97	47.49 -4.65 -3.15	49.73 -2.13 0.00	55.18 -1.88 0.00	66.83 -3.74 0.00	79.45 -3.31 0.02	80.98 -3.49 0.57	79.09 -3.82 0.22	79.64 -3.70 2.64	77.45 -2.99 -1.73	65.05 -3.18 -2.08	58.13 -3.13 -1.04	54.04 -3.20 -1.12	56.92 -2.10 -0.56	58.00 -2.32 -0.95	68.17 -1.61 0.38	69.21 -1.58 0.91	54.88 -1.36 0.52	60.66 -2.49 -0.84	54.37 -4.74 -0.57	53.93 -1.96 0.00	49.13 -3.80 -0.91
HOWARD_WT_PWR 323690	61.23 -4.26 -0.91	51.25 -3.39 -3.33	48.70 -3.12 -4.55	49.31 -3.28 -3.60	49.16 -2.70 0.00	54.61 -2.45 0.00	66.26 -4.31 0.00	77.66 -5.21 -0.09	82.44 -5.10 -2.50	78.87 -5.66 -1.38	94.51 -5.50 -14.03	80.29 -5.11 -6.70	64.19 -4.50 -2.54	62.22 -4.27 -6.27	62.98 -3.93 -10.79	60.15 -3.80 -5.49	65.33 -3.26 -9.24	85.48 -3.30 -18.62	96.97 -3.08 -28.35	88.68 -2.61 -34.52	65.17 -2.87 -5.73	60.12 -3.22 -4.80	53.82 -2.07 0.00	50.98 -2.08 -1.05



HQ_GEN_CEDARS 23644	64.52 -0.06 0.00	50.95 -0.36 0.00	46.94 -0.33 0.00	48.60 -0.39 0.00	51.24 -0.62 0.00	56.49 -0.57 0.00	70.28 -0.28 0.00	82.37 -0.41 0.00	84.36 -0.68 0.00	82.56 -0.58 0.00	84.95 -1.03 0.00	77.60 -1.10 0.00	65.22 -0.93 0.00	59.26 -0.96 0.00	55.17 -0.95 0.00	57.12 -1.34 0.00	55.41 -1.60 2.35	68.33 -1.82 0.00	69.39 -1.94 0.38	55.35 -1.42 0.00	60.69 -1.62 0.00	57.02 -1.52 0.00	54.49 -1.40 0.00	50.92 -1.09 0.00
HQ_GEN_CEDARS_PROXY 323590	64.52 -0.06 0.00	50.95 -0.36 0.00	46.94 -0.33 0.00	48.60 -0.39 0.00	51.24 -0.62 0.00	56.49 -0.57 0.00	70.29 -0.28 0.00	82.37 -0.41 0.00	84.36 -0.68 0.00	84.59 -0.58 -2.02	82.93 -1.03 2.02	77.60 -1.10 0.00	65.22 -0.93 0.00	59.26 -0.97 0.00	55.17 -0.95 0.00	57.12 -1.34 0.00	55.42 -1.60 2.35	68.33 -1.82 0.00	69.39 -1.93 0.38	55.35 -1.42 0.00	60.69 -1.62 0.00	57.08 -1.46 0.00	54.50 -1.40 0.00	50.92 -1.09 0.00
HQ_GEN_IMPORT 323601	64.14 -0.45 0.00	50.70 -0.61 0.00	46.71 -0.57 0.00	48.41 -0.59 0.00	51.13 -0.73 0.00	56.31 -0.74 0.00	70.00 -0.57 0.00	82.29 -0.49 0.00	84.45 -0.59 0.00	84.67 -0.50 -2.02	82.93 -1.03 2.02	77.44 -1.26 0.00	65.09 -1.06 0.00	59.20 -1.02 0.00	55.17 -0.95 0.00	57.29 -1.17 0.00	57.29 -1.31 0.77	68.68 -1.48 0.00	70.00 -1.58 0.12	55.57 -1.19 0.00	61.00 -1.31 0.00	57.31 -1.23 0.00	54.66 -1.23 0.00	51.03 -0.99 0.00
HQ_GEN_WHEEL 23651	64.14 -0.45 0.00	50.70 -0.61 0.00	46.71 -0.57 0.00	48.41 -0.59 0.00	51.13 -0.73 0.00	56.31 -0.74 0.00	70.00 -0.57 0.00	82.29 -0.49 0.00	84.45 -0.59 0.00	84.67 -0.50 -2.02	82.93 -1.03 2.02	77.44 -1.26 0.00	65.09 -1.06 0.00	59.20 -1.02 0.00	55.17 -0.95 0.00	57.29 -1.17 0.00	57.29 -1.31 0.77	68.68 -1.48 0.00	70.00 -1.58 0.12	55.57 -1.19 0.00	61.00 -1.31 0.00	57.31 -1.23 0.00	54.66 -1.23 0.00	51.03 -0.99 0.00
HUDSON AVE_GT_3 23810	71.52 3.88 -3.06	68.30 3.18 -13.81	69.42 2.74 -19.41	67.54 2.94 -15.61	55.23 3.37 0.00	60.82 3.77 0.00	75.22 4.66 0.00	88.41 5.63 0.00	90.74 5.70 0.00	89.09 5.65 -0.30	93.96 6.19 -1.79	97.19 6.14 -12.34	80.81 5.09 -9.57	74.50 4.70 -9.58	74.49 4.32 -14.05	70.26 4.68 -7.12	76.12 4.75 -12.01	90.99 5.68 -15.15	98.70 5.81 -21.19	89.09 4.54 -27.78	75.49 4.86 -8.31	69.70 4.62 -6.53	60.36 4.47 0.00	60.24 3.69 -4.53
HUDSON AVE_GT_4 23540	71.52 3.88 -3.06	68.30 3.18 -13.81	69.42 2.74 -19.41	67.54 2.94 -15.61	55.23 3.37 0.00	60.82 3.77 0.00	75.22 4.66 0.00	88.41 5.63 0.00	90.74 5.70 0.00	89.09 5.65 -0.30	93.96 6.19 -1.79	97.19 6.14 -12.34	80.81 5.09 -9.57	74.50 4.70 -9.58	74.49 4.32 -14.05	70.26 4.68 -7.12	76.12 4.75 -12.01	90.99 5.68 -15.15	98.70 5.81 -21.19	89.09 4.54 -27.78	75.49 4.86 -8.31	69.70 4.62 -6.53	60.36 4.47 0.00	60.24 3.69 -4.53
HUDSON AVE_GT_5 23657	71.52 3.88 -3.06	68.30 3.18 -13.81	69.42 2.74 -19.41	67.54 2.94 -15.61	55.23 3.37 0.00	60.82 3.77 0.00	75.22 4.66 0.00	88.41 5.63 0.00	90.74 5.70 0.00	89.09 5.65 -0.30	93.96 6.19 -1.79	97.19 6.14 -12.34	80.81 5.09 -9.57	74.50 4.70 -9.58	74.49 4.32 -14.05	70.26 4.68 -7.12	76.12 4.75 -12.01	90.99 5.68 -15.15	98.70 5.81 -21.19	89.09 4.54 -27.78	75.49 4.86 -8.31	69.70 4.62 -6.53	60.36 4.47 0.00	60.24 3.69 -4.53
HUDSON_AVE_10 24168	71.39 3.75 -3.06	68.20 3.08 -13.81	69.28 2.60 -19.41	67.40 2.79 -15.61	55.18 3.32 0.00	60.77 3.71 0.00	75.15 4.59 0.00	88.33 5.55 0.00	90.74 5.70 0.00	89.09 5.65 -0.30	93.96 6.19 -1.79	97.11 6.06 -12.34	80.81 5.09 -9.57	74.50 4.70 -9.58	74.49 4.32 -14.05	70.26 4.68 -7.12	76.12 4.75 -12.01	90.99 5.68 -15.15	98.70 5.81 -21.19	89.09 4.54 -27.78	75.55 4.92 -8.31	69.70 4.62 -6.53	60.31 4.42 0.00	60.19 3.64 -4.53
HUDSON___115KV_TB 4 355613	82.97 4.00 -14.37	78.32 3.23 -23.78	76.90 3.03 -26.60	70.64 3.09 -18.56	55.70 3.84 0.00	61.11 4.05 0.00	75.01 4.45 0.00	87.58 4.80 0.00	90.57 5.53 0.00	89.27 4.74 -1.39	99.39 4.99 -8.43	104.15 4.64 -20.80	92.14 3.77 -22.22	76.88 3.43 -13.23	76.15 3.37 -16.66	70.48 3.57 -8.45	76.76 3.15 -14.25	91.85 3.72 -17.97	100.64 3.80 -25.14	97.23 3.01 -37.45	77.09 3.43 -11.35	69.45 3.16 -7.75	59.30 3.41 0.00	60.44 3.02 -5.40
HUNTER MOUNT___DRP 323613	80.76 3.94 -12.24	76.53 3.23 -21.99	75.64 2.98 -25.39	70.16 3.04 -18.13	56.01 4.15 0.00	61.45 4.39 0.00	75.58 5.01 0.00	88.00 5.22 0.00	90.91 5.87 0.00	88.98 4.66 -1.19	98.05 4.90 -7.18	102.48 4.49 -19.29	89.74 3.70 -19.89	76.14 3.31 -12.61	75.71 3.31 -16.27	70.22 3.51 -8.25	76.42 3.15 -13.92	91.50 3.79 -17.55	99.98 3.73 -24.55	95.54 2.95 -35.82	76.64 3.49 -10.84	69.21 3.10 -7.57	59.58 3.69 0.00	60.26 2.96 -5.28
HUNTINGTON_RES_REC 323705	117.19 5.23 -47.37	83.49 4.31 -27.87	82.20 3.78 -31.15	78.29 4.02 -25.28	78.28 4.51 -21.91	77.82 4.91 -15.86	129.79 6.07 -53.15	150.05 7.36 -59.90	153.03 7.39 -60.59	152.91 7.15 -62.62	170.16 7.82 -76.36	145.30 6.22 -59.11	136.26 5.72 -63.89	130.70 5.72 -64.76	130.45 5.39 -68.94	145.21 5.85 -80.90	142.66 5.94 -77.36	154.49 6.95 -77.39	154.41 7.17 -75.54	145.09 5.68 -82.64	138.09 6.29 -69.49	119.28 5.80 -54.94	115.09 5.59 -53.61	107.39 4.73 -50.64
HUNTLEY___63 23557	58.52 -6.07 0.00	49.20 -4.16 -2.04	46.75 -3.73 -3.21	47.80 -3.92 -2.72	47.97 -3.89 0.00	53.24 -3.82 0.00	63.79 -6.77 0.00	73.32 -9.44 0.02	74.85 -9.61 0.59	73.19 -9.64 0.31	73.48 -9.37 3.12	71.54 -8.50 -1.34	61.17 -6.75 -1.77	55.30 -5.66 -0.73	51.79 -4.99 -0.66	53.35 -5.44 -0.33	55.12 -4.81 -0.57	63.13 -6.10 0.93	63.96 -6.02 1.72	50.09 -5.11 1.57	57.65 -5.23 -0.57	53.92 -4.98 -0.36	51.75 -4.14 0.00	49.74 -3.07 -0.79
HUNTLEY___64 23558	58.52 -6.07 0.00	49.20 -4.16 -2.04	46.75 -3.73 -3.21	47.80 -3.92 -2.72	47.97 -3.89 0.00	53.24 -3.82 0.00	63.79 -6.77 0.00	73.32 -9.44 0.02	74.85 -9.61 0.59	73.19 -9.64 0.31	73.48 -9.37 3.12	71.54 -8.50 -1.34	61.17 -6.75 -1.77	55.30 -5.66 -0.73	51.79 -4.99 -0.66	53.35 -5.44 -0.33	55.12 -4.81 -0.57	63.13 -6.10 0.93	63.96 -6.02 1.72	50.09 -5.11 1.57	57.65 -5.23 -0.57	53.92 -4.98 -0.36	51.75 -4.14 0.00	49.74 -3.07 -0.79
HUNTLEY___65 23559	58.52 -6.07 0.00	49.20 -4.16 -2.04	46.75 -3.73 -3.21	47.80 -3.92 -2.72	47.97 -3.89 0.00	53.24 -3.82 0.00	63.79 -6.77 0.00	73.32 -9.44 0.02	74.85 -9.61 0.59	73.19 -9.64 0.31	73.48 -9.37 3.12	71.54 -8.50 -1.34	61.17 -6.75 -1.77	55.30 -5.66 -0.73	51.79 -4.99 -0.66	53.35 -5.44 -0.33	55.12 -4.81 -0.57	63.13 -6.10 0.93	63.96 -6.02 1.72	50.09 -5.11 1.57	57.65 -5.23 -0.57	53.92 -4.98 -0.36	51.75 -4.14 0.00	49.74 -3.07 -0.79
HUNTLEY___66 23560	58.52 -6.07 0.00	49.20 -4.16 -2.04	46.75 -3.73 -3.21	47.80 -3.92 -2.72	47.97 -3.89 0.00	53.24 -3.82 0.00	63.79 -6.77 0.00	73.32 -9.44 0.02	74.85 -9.61 0.59	73.19 -9.64 0.31	73.48 -9.37 3.12	71.54 -8.50 -1.34	61.17 -6.75 -1.77	55.30 -5.66 -0.73	51.79 -4.99 -0.66	53.35 -5.44 -0.33	55.12 -4.81 -0.57	63.13 -6.10 0.93	63.96 -6.02 1.72	50.09 -5.11 1.57	57.65 -5.23 -0.57	53.92 -4.98 -0.36	51.75 -4.14 0.00	49.74 -3.07 -0.79



HUNTLEY___67 23561	58.45 -6.14 0.00	49.13 -4.26 -2.08	46.66 -3.88 -3.26	47.74 -4.02 -2.77	47.92 -3.94 0.00	53.18 -3.88 0.00	63.86 -6.70 0.00	73.48 -9.27 0.03	74.92 -9.44 0.69	73.14 -9.64 0.36	72.62 -9.63 3.73	71.45 -8.50 -1.24	61.07 -6.88 -1.80	55.06 -5.78 -0.62	51.16 -5.39 -0.43	53.12 -5.55 -0.21	54.50 -5.22 -0.36	62.18 -6.52 1.45	62.88 -6.52 2.29	49.12 -5.39 2.25	57.10 -5.67 -0.46	53.65 -5.15 -0.26	51.64 -4.25 0.00	49.44 -3.38 -0.80
HUNTLEY___68 23562	58.45 -6.14 0.00	49.13 -4.26 -2.08	46.66 -3.88 -3.26	47.74 -4.02 -2.77	47.92 -3.94 0.00	53.18 -3.88 0.00	63.86 -6.70 0.00	73.48 -9.27 0.03	74.92 -9.44 0.69	73.14 -9.64 0.36	72.62 -9.63 3.73	71.45 -8.50 -1.24	61.07 -6.88 -1.80	55.06 -5.78 -0.62	51.16 -5.39 -0.43	53.12 -5.55 -0.21	54.50 -5.22 -0.36	62.18 -6.52 1.45	62.88 -6.52 2.29	49.12 -5.39 2.25	57.10 -5.67 -0.46	53.65 -5.15 -0.26	51.64 -4.25 0.00	49.44 -3.38 -0.80
HYLAND___LFGE 323620	61.30 -3.29 0.00	51.51 -2.05 -2.25	48.83 -1.98 -3.54	50.04 -1.96 -3.00	49.99 -1.86 0.00	55.35 -1.71 0.00	67.67 -2.90 0.00	78.90 -3.97 -0.09	83.24 -4.08 -2.28	79.33 -4.99 -1.18	93.03 -5.25 -12.30	79.61 -4.96 -5.86	64.27 -3.97 -2.09	62.26 -3.49 -5.53	62.62 -3.09 -9.58	60.65 -2.69 -4.88	65.90 -1.66 -8.20	85.18 -1.68 -16.70	95.93 -1.22 -25.45	86.34 -1.36 -30.94	66.00 -1.37 -5.06	61.39 -1.41 -4.26	56.51 0.62 0.00	53.77 0.88 -0.87
INDECK___CORINTH 23802	103.26 5.56 -33.11	93.24 4.46 -37.47	85.52 4.16 -34.08	72.96 4.26 -19.71	56.58 4.72 0.00	62.48 5.42 0.00	76.99 6.42 0.00	90.73 7.95 0.00	93.29 8.25 0.00	94.58 8.23 -3.21	114.08 8.68 -19.42	118.55 7.87 -31.98	113.71 6.41 -41.15	83.13 5.84 -17.07	79.29 5.44 -17.72	73.29 5.85 -8.99	80.45 5.94 -15.15	96.50 7.23 -19.11	105.68 7.24 -26.73	109.62 5.79 -47.06	83.01 6.23 -14.47	72.69 5.91 -8.24	61.59 5.70 0.00	62.72 4.99 -5.71
INDECK___ILION 23567	65.49 0.90 0.00	52.08 0.77 0.00	47.98 0.71 0.00	49.73 0.73 0.00	52.69 0.83 0.00	57.91 0.86 0.00	71.63 1.06 0.00	84.02 1.24 0.00	86.23 1.19 0.00	84.39 1.25 0.00	87.61 1.63 0.00	80.36 1.65 0.00	67.47 1.32 0.00	61.31 1.08 0.00	56.96 0.84 0.00	59.34 0.88 0.00	60.39 0.89 -0.14	71.21 1.05 0.00	72.80 1.08 -0.02	57.62 0.85 0.00	63.18 0.87 0.00	59.42 0.88 0.00	56.73 0.84 0.00	52.74 0.73 0.00
INDECK___OLEAN 23982	61.49 -3.87 -0.77	49.33 -4.88 -2.89	46.79 -4.45 -3.97	47.49 -4.66 -3.15	49.73 -2.13 0.00	55.18 -1.88 0.00	66.82 -3.74 0.00	79.45 -3.31 0.02	80.98 -3.49 0.57	79.09 -3.82 0.22	79.65 -3.69 2.64	77.45 -2.99 -1.73	65.18 -3.04 -2.08	58.13 -3.13 -1.04	54.04 -3.20 -1.12	56.39 -2.63 -0.56	57.82 -2.49 -0.95	68.16 -1.61 0.38	69.20 -1.58 0.92	54.87 -1.36 0.53	60.72 -2.43 -0.84	53.84 -5.27 -0.56	53.93 -1.96 0.00	49.13 -3.79 -0.91
INDECK___OSWEGO 23783	62.33 -2.26 0.00	50.90 -1.54 -1.13	47.62 -1.42 -1.77	49.02 -1.47 -1.50	50.30 -1.55 0.00	55.40 -1.66 0.00	68.24 -2.33 0.00	79.80 -2.98 0.00	81.98 -3.06 0.00	80.07 -3.07 0.00	83.05 -2.92 0.00	76.94 -2.44 -0.67	64.10 -2.05 0.00	59.20 -1.81 -0.78	55.82 -1.68 -1.38	57.46 -1.70 -0.70	58.90 -1.54 -1.09	69.79 -1.82 -1.46	71.94 -1.79 -2.02	57.53 -1.53 -2.29	61.36 -1.62 -0.67	57.71 -1.46 -0.63	54.44 -1.45 0.00	51.15 -1.30 -0.44
INDECK___YERKES 23781	58.58 -6.00 0.00	49.25 -4.11 -2.04	46.75 -3.74 -3.21	47.84 -3.87 -2.72	48.02 -3.84 0.00	53.29 -3.77 0.00	63.86 -6.71 0.00	73.40 -9.35 0.02	74.93 -9.52 0.59	73.19 -9.64 0.31	73.57 -9.29 3.12	71.63 -8.42 -1.34	61.17 -6.75 -1.77	55.36 -5.60 -0.74	51.85 -4.94 -0.67	53.59 -5.20 -0.33	55.17 -4.75 -0.56	63.19 -6.03 0.94	63.95 -6.02 1.73	50.13 -5.05 1.58	57.71 -5.17 -0.57	54.39 -4.51 -0.35	51.81 -4.08 0.00	49.79 -3.02 -0.79
INDIAN POINT_GT_1 24139	70.91 3.29 -3.03	67.70 2.72 -13.67	68.84 2.36 -19.21	66.94 2.50 -15.45	54.76 2.90 0.00	60.20 3.14 0.00	74.45 3.88 0.00	87.33 4.55 0.00	89.63 4.59 0.00	88.01 4.57 -0.29	92.91 5.16 -1.77	96.04 5.12 -12.22	79.85 4.23 -9.47	73.61 3.91 -9.48	73.67 3.65 -13.90	69.43 3.92 -7.05	75.22 3.98 -11.89	89.85 4.70 -14.99	97.48 4.80 -20.97	88.06 3.80 -27.49	74.65 4.11 -8.23	68.87 3.86 -6.46	59.63 3.74 0.00	59.62 3.12 -4.48
INDIAN POINT_GT_2 23659	70.91 3.29 -3.03	67.70 2.72 -13.67	68.84 2.36 -19.21	66.94 2.50 -15.45	54.76 2.90 0.00	60.20 3.14 0.00	74.45 3.88 0.00	87.33 4.55 0.00	89.63 4.59 0.00	88.01 4.57 -0.29	92.91 5.16 -1.77	96.04 5.12 -12.22	79.85 4.23 -9.47	73.61 3.91 -9.48	73.67 3.65 -13.90	69.43 3.92 -7.05	75.22 3.98 -11.89	89.85 4.70 -14.99	97.48 4.80 -20.97	88.06 3.80 -27.49	74.65 4.11 -8.23	68.87 3.86 -6.46	59.63 3.74 0.00	59.62 3.12 -4.48
INDIAN POINT_GT_3 24019	70.91 3.29 -3.03	67.70 2.72 -13.67	68.84 2.36 -19.21	66.94 2.50 -15.45	54.76 2.90 0.00	60.20 3.14 0.00	74.45 3.88 0.00	87.33 4.55 0.00	89.63 4.59 0.00	88.01 4.57 -0.29	92.91 5.16 -1.77	96.04 5.12 -12.22	79.85 4.23 -9.47	73.61 3.91 -9.48	73.67 3.65 -13.90	69.43 3.92 -7.05	75.22 3.98 -11.89	89.85 4.70 -14.99	97.48 4.80 -20.97	88.06 3.80 -27.49	74.65 4.11 -8.23	68.87 3.86 -6.46	59.63 3.74 0.00	59.62 3.12 -4.48
INDIAN POINT___2 23530	70.67 3.10 -2.98	67.40 2.62 -13.48	68.49 2.27 -18.95	66.63 2.40 -15.24	54.66 2.80 0.00	60.14 3.08 0.00	74.30 3.74 0.00	87.17 4.38 0.00	89.55 4.50 0.00	87.91 4.49 -0.29	92.71 4.98 -1.75	95.63 4.88 -12.04	79.59 4.10 -9.33	73.37 3.80 -9.35	73.31 3.48 -13.71	69.21 3.80 -6.95	74.95 3.86 -11.73	89.51 4.56 -14.79	97.05 4.66 -20.69	87.57 3.69 -27.12	74.42 3.99 -8.12	68.67 3.75 -6.38	59.52 3.63 0.00	59.45 3.02 -4.42
INDIAN POINT___3 23531	70.78 3.16 -3.03	67.65 2.67 -13.68	68.81 2.32 -19.22	66.90 2.45 -15.46	54.71 2.85 0.00	60.14 3.08 0.00	74.31 3.74 0.00	87.25 4.47 0.00	89.55 4.51 0.00	87.92 4.49 -0.29	92.83 5.07 -1.78	95.89 4.96 -12.23	79.73 4.10 -9.48	73.50 3.79 -9.48	73.56 3.54 -13.91	69.37 3.86 -7.05	75.11 3.86 -11.89	89.79 4.63 -15.00	97.42 4.73 -20.98	87.96 3.69 -27.51	74.59 4.05 -8.23	68.76 3.75 -6.47	59.58 3.69 0.00	59.52 3.02 -4.49
INGHAM_C_115KV_TB7 356103	65.75 1.16 0.00	52.29 0.97 0.00	48.12 0.85 0.00	49.92 0.93 0.00	52.90 1.04 0.00	58.14 1.08 0.00	71.84 1.27 0.00	84.27 1.49 0.00	86.49 1.45 0.00	84.64 1.50 0.00	88.13 2.15 0.00	81.07 2.36 0.00	67.94 1.79 0.00	61.55 1.32 0.00	56.91 0.79 0.00	59.16 0.70 0.00	60.21 0.71 -0.14	71.00 0.84 0.00	72.58 0.86 -0.02	57.45 0.68 0.00	63.06 0.75 0.00	59.42 0.88 0.00	56.78 0.89 0.00	52.80 0.78 0.00
IP CORINTH___1 23988	103.25 5.55 -33.11	93.25 4.46 -37.47	85.52 4.16 -34.08	72.97 4.26 -19.71	56.58 4.72 0.00	62.48 5.42 0.00	77.06 6.49 0.00	90.73 7.95 0.00	93.29 8.25 0.00	94.58 8.23 -3.21	114.08 8.68 -19.42	118.55 7.87 -31.97	113.78 6.48 -41.15	83.13 5.84 -17.07	79.29 5.44 -17.72	73.30 5.85 -8.99	80.45 5.94 -15.16	96.50 7.23 -19.12	105.68 7.24 -26.74	109.63 5.79 -47.08	83.02 6.23 -14.47	72.70 5.91 -8.24	61.59 5.70 0.00	62.72 4.99 -5.71



IP__TICONDEROGA 23804	105.63 8.27 -32.77	95.15 6.62 -37.22	87.41 6.19 -33.95	75.05 6.37 -19.69	58.96 7.10 0.00	64.99 7.93 0.00	80.02 9.46 0.00	94.45 11.67 0.00	97.03 11.99 0.00	98.29 11.97 -3.18	117.75 12.55 -19.22	121.91 11.41 -31.79	116.31 9.33 -40.84	85.72 8.49 -17.01	81.79 7.97 -17.70	76.09 8.65 -8.98	83.35 8.84 -15.14	99.99 10.73 -19.10	109.17 10.76 -26.71	112.26 8.57 -46.92	86.02 9.28 -14.42	75.38 8.61 -8.23	64.16 8.27 0.00	65.01 7.28 -5.71
ISLIP_RES_REC 323679	118.35 6.40 -47.37	84.42 5.24 -27.87	83.00 4.58 -31.15	79.17 4.90 -25.28	79.27 5.49 -21.91	78.85 5.93 -15.86	131.13 7.41 -53.15	151.95 9.27 -59.90	155.13 9.44 -60.64	155.04 9.23 -62.67	172.12 9.63 -76.51	146.79 8.97 -59.11	137.32 7.28 -63.89	131.66 6.68 -64.76	131.40 6.34 -68.94	146.38 7.01 -80.90	143.73 7.00 -77.36	156.17 8.63 -77.39	156.21 8.82 -75.69	146.22 6.81 -82.64	139.21 7.41 -69.49	120.27 6.79 -54.94	116.15 6.65 -53.61	108.33 5.67 -50.64
JAMAICA__27_KV_LOAD 355505	71.78 4.13 -3.06	68.51 3.39 -13.81	69.52 2.84 -19.41	67.64 3.04 -15.61	55.54 3.68 0.00	61.17 4.11 0.00	75.72 5.15 0.00	89.07 6.29 0.00	91.51 6.46 0.00	89.84 6.40 -0.30	94.82 7.05 -1.79	97.90 6.85 -12.34	81.41 5.69 -9.57	75.10 5.30 -9.58	75.05 4.88 -14.05	70.85 5.26 -7.12	76.78 5.40 -12.01	91.84 6.52 -15.15	99.63 6.74 -21.19	89.77 5.22 -27.78	76.30 5.67 -8.31	70.28 5.21 -6.53	60.81 4.92 0.00	60.60 4.06 -4.53
JANIS__SOLAR 323808	68.02 1.81 -1.62	57.25 1.49 -4.45	54.27 1.23 -5.77	54.66 1.23 -4.44	53.41 1.55 0.00	59.00 1.94 0.00	72.89 2.33 0.00	85.60 2.82 -0.01	88.01 2.80 -0.16	85.71 2.32 -0.24	90.83 3.01 -1.84	86.00 2.99 -4.30	72.36 2.51 -3.69	65.43 2.05 -3.16	62.41 1.80 -4.50	63.08 2.34 -2.28	65.88 2.67 -3.84	78.97 3.51 -5.31	83.15 3.87 -7.58	69.76 2.84 -10.15	68.05 2.99 -2.75	63.02 2.40 -2.08	58.24 2.35 0.00	55.28 1.98 -1.29
JARVIS____ 23743	65.17 0.58 0.00	51.82 0.51 0.00	47.74 0.47 0.00	49.48 0.49 0.00	52.38 0.52 0.00	57.57 0.51 0.00	71.20 0.63 0.00	83.52 0.74 0.00	85.81 0.76 0.00	83.89 0.75 0.00	86.93 0.95 0.00	79.65 0.95 0.00	66.95 0.80 0.00	60.95 0.73 0.00	56.74 0.62 0.00	59.17 0.70 0.00	60.22 0.71 -0.14	71.00 0.84 0.00	72.59 0.86 -0.02	57.45 0.68 0.00	63.06 0.75 0.00	59.19 0.65 0.00	56.56 0.67 0.00	52.54 0.52 0.00
JENNISON__1 23625	69.32 2.13 -2.60	58.94 1.64 -5.99	56.11 1.37 -7.46	56.02 1.42 -5.61	53.62 1.76 0.00	59.11 2.05 0.00	73.11 2.54 0.00	85.93 3.15 0.00	88.36 3.23 -0.08	86.60 3.16 -0.30	92.09 4.13 -1.98	88.46 4.09 -5.66	74.85 3.31 -5.40	66.97 2.83 -3.91	63.78 2.36 -5.30	64.02 2.86 -2.69	66.87 2.97 -4.54	79.84 3.72 -5.96	84.07 3.94 -8.42	71.53 3.01 -11.76	68.87 3.18 -3.38	63.58 2.58 -2.46	58.46 2.57 0.00	55.72 2.08 -1.63
JENNISON__2 23626	69.32 2.13 -2.60	58.94 1.64 -5.99	56.11 1.37 -7.46	56.02 1.42 -5.61	53.62 1.76 0.00	59.11 2.05 0.00	73.11 2.54 0.00	85.93 3.15 0.00	88.36 3.23 -0.08	86.60 3.16 -0.30	92.09 4.13 -1.98	88.46 4.09 -5.66	74.85 3.31 -5.40	66.97 2.83 -3.91	63.78 2.36 -5.30	64.02 2.86 -2.69	66.87 2.97 -4.54	79.84 3.72 -5.96	84.07 3.94 -8.42	71.53 3.01 -11.76	68.87 3.18 -3.38	63.58 2.58 -2.46	58.46 2.57 0.00	55.72 2.08 -1.63
JERICHO_RISE_WT_PWR 323719	63.62 -0.97 0.00	50.23 -1.08 0.00	46.19 -1.09 0.00	47.87 -1.12 0.00	50.51 -1.35 0.00	55.63 -1.42 0.00	69.16 -1.41 0.00	81.45 -1.33 0.00	83.68 -1.36 0.00	81.98 -1.16 0.00	84.09 -1.89 0.00	76.59 -2.12 0.00	64.10 -2.05 0.00	58.06 -2.17 0.00	53.77 -2.35 0.00	55.54 -2.92 0.00	53.65 -3.26 2.45	66.44 -3.72 0.00	67.50 -3.80 0.40	53.87 -2.89 0.00	59.01 -3.30 0.00	55.50 -3.05 0.00	52.82 -3.07 0.00	49.57 -2.44 0.00
KATONAH__115KV_46KV_TB4 355592	71.84 4.13 -3.12	68.74 3.44 -13.99	69.91 2.98 -19.66	67.93 3.14 -15.80	55.38 3.53 0.00	60.94 3.88 0.00	75.22 4.66 0.00	88.33 5.55 0.00	90.57 5.53 0.00	89.01 5.57 -0.30	94.25 6.45 -1.83	97.60 6.38 -12.52	81.17 5.29 -9.73	74.82 4.88 -9.72	74.80 4.43 -14.25	70.42 4.74 -7.23	76.30 4.75 -12.19	91.00 5.47 -15.37	98.87 5.66 -21.50	89.38 4.43 -28.19	75.61 4.86 -8.44	69.73 4.57 -6.63	60.31 4.42 0.00	60.29 3.69 -4.59
KCE_NY_1 323755	101.40 4.52 -32.29	91.88 3.70 -36.87	84.43 3.41 -33.75	72.17 3.53 -19.65	55.70 3.84 0.00	61.17 4.11 0.00	75.37 4.80 0.00	88.66 5.88 0.00	91.08 6.04 0.00	92.33 6.07 -3.13	111.37 6.45 -18.94	116.39 5.98 -31.71	111.80 4.96 -40.69	81.72 4.52 -16.98	78.03 4.21 -17.69	71.94 4.50 -8.97	79.12 4.63 -15.13	94.78 5.54 -19.08	103.99 5.60 -26.69	108.08 4.48 -46.83	81.57 4.86 -14.39	71.28 4.51 -8.23	60.25 4.36 0.00	61.57 3.85 -5.71
KCE_NY_6_ESR 323823	59.23 -5.36 0.00	49.31 -4.15 -2.15	46.87 -3.78 -3.38	47.89 -3.97 -2.86	48.49 -3.37 0.00	53.86 -3.19 0.00	64.78 -5.79 0.00	75.06 -7.70 0.03	76.48 -7.82 0.74	74.61 -8.14 0.38	73.90 -8.09 3.99	72.87 -7.08 -1.25	62.19 -5.82 -1.87	55.88 -4.94 -0.60	51.77 -4.71 -0.36	54.02 -4.62 -0.18	55.27 -4.39 -0.30	63.31 -5.19 1.66	63.81 -5.09 2.81	49.61 -4.32 2.85	58.00 -4.74 -0.43	53.91 -4.86 -0.22	52.37 -3.52 0.00	49.67 -3.17 -0.83
KEDC_PORT_JEFF_GT2 24210	117.97 6.01 -47.37	84.06 4.88 -27.87	82.72 4.30 -31.15	78.87 4.60 -25.28	78.91 5.14 -21.91	78.51 5.59 -15.86	130.64 6.92 -53.15	151.29 8.61 -59.90	154.54 8.84 -60.65	154.47 8.65 -62.68	171.54 9.03 -76.54	146.08 8.26 -59.11	136.79 6.75 -63.89	131.18 6.20 -64.76	130.95 5.89 -68.94	145.91 6.55 -80.90	143.25 6.53 -77.36	155.54 8.00 -77.39	155.74 8.31 -75.72	145.71 6.30 -82.64	138.78 6.98 -69.49	119.86 6.38 -54.94	115.76 6.26 -53.61	108.02 5.36 -50.64
KEDC_PORT_JEFF_GT3 24211	117.97 6.01 -47.37	84.06 4.88 -27.87	82.72 4.30 -31.15	78.87 4.60 -25.28	78.91 5.14 -21.91	78.51 5.59 -15.86	130.64 6.92 -53.15	151.29 8.61 -59.90	154.54 8.84 -60.65	154.47 8.65 -62.68	171.54 9.03 -76.54	146.08 8.26 -59.11	136.79 6.75 -63.89	131.18 6.20 -64.76	130.95 5.89 -68.94	145.91 6.55 -80.90	143.25 6.53 -77.36	155.54 8.00 -77.39	155.74 8.31 -75.72	145.71 6.30 -82.64	138.78 6.98 -69.49	119.86 6.38 -54.94	115.76 6.26 -53.61	108.02 5.36 -50.64
KEDC_GLWD_GT4 24219	116.61 4.65 -47.37	82.98 3.80 -27.87	81.78 3.36 -31.15	77.80 3.53 -25.28	77.76 3.99 -21.91	77.31 4.39 -15.86	129.08 5.36 -53.15	149.22 6.54 -59.90	152.37 6.72 -60.61	152.51 6.73 -62.64	169.86 7.48 -76.41	144.98 7.16 -59.11	136.06 6.02 -63.89	130.46 5.48 -64.76	130.11 5.05 -68.94	144.74 5.38 -80.90	142.18 5.46 -77.36	154.07 6.53 -77.39	154.03 6.74 -75.59	144.63 5.22 -82.64	137.41 5.61 -69.49	118.69 5.21 -54.94	114.53 5.03 -53.61	106.92 4.27 -50.64
KEDC_GLWD_GT5 24220	116.61 4.65 -47.37	82.98 3.80 -27.87	81.78 3.36 -31.15	77.80 3.53 -25.28	77.76 3.99 -21.91	77.31 4.39 -15.86	129.08 5.36 -53.15	149.22 6.54 -59.90	152.37 6.72 -60.61	152.51 6.73 -62.64	169.86 7.48 -76.41	144.98 7.16 -59.11	136.06 6.02 -63.89	130.46 5.48 -64.76	130.11 5.05 -68.94	144.74 5.38 -80.90	142.18 5.46 -77.36	154.07 6.53 -77.39	154.03 6.74 -75.59	144.63 5.22 -82.64	137.41 5.61 -69.49	118.69 5.21 -54.94	114.53 5.03 -53.61	106.92 4.27 -50.64



KENSICO____ 23655	71.19 3.55 -3.05	68.00 2.92 -13.77	69.13 2.51 -19.36	67.25 2.69 -15.56	54.97 3.11 0.00	60.48 3.42 0.00	74.73 4.16 0.00	87.75 4.97 0.00	90.06 5.02 0.00	88.42 4.99 -0.30	93.36 5.59 -1.79	96.53 5.51 -12.31	80.26 4.56 -9.54	73.99 4.22 -9.55	74.00 3.87 -14.01	69.77 4.21 -7.10	75.61 4.27 -11.98	90.32 5.05 -15.11	98.00 5.16 -21.13	88.55 4.09 -27.70	75.03 4.42 -8.29	69.15 4.10 -6.51	59.86 3.97 0.00	59.86 3.33 -4.52
KERHONKS_69_KV_TR1_REV_LBMP_G 345021	72.00 3.62 -3.79	68.12 2.98 -13.83	68.76 2.60 -18.89	66.70 2.74 -14.97	55.07 3.22 0.00	60.60 3.54 0.00	74.94 4.38 0.00	87.50 4.72 0.00	89.89 4.85 0.00	88.16 4.66 -0.37	93.45 5.24 -2.22	96.05 5.04 -12.31	80.33 4.17 -10.01	73.31 3.79 -9.29	73.11 3.59 -13.40	69.29 4.03 -6.79	75.04 4.21 -11.46	89.74 5.12 -14.45	97.15 5.23 -20.22	87.72 4.09 -26.86	74.97 4.61 -8.05	68.93 4.16 -6.23	59.91 4.02 0.00	59.69 3.33 -4.35
KIAC_JFK_GT1 23816	71.59 3.94 -3.06	68.30 3.18 -13.81	69.38 2.69 -19.41	67.49 2.89 -15.61	55.33 3.47 0.00	61.00 3.94 0.00	75.51 4.94 0.00	88.82 6.04 0.00	91.25 6.21 0.00	89.59 6.15 -0.30	94.48 6.71 -1.79	97.66 6.61 -12.34	81.21 5.49 -9.57	74.86 5.06 -9.58	74.88 4.71 -14.05	70.67 5.09 -7.12	76.60 5.22 -12.01	91.56 6.24 -15.15	99.35 6.45 -21.19	89.54 5.00 -27.78	76.05 5.42 -8.31	70.05 4.98 -6.53	60.58 4.69 0.00	60.39 3.85 -4.53
KIAC_JFK_GT2 23817	71.59 3.94 -3.06	68.30 3.18 -13.81	69.38 2.69 -19.41	67.49 2.89 -15.61	55.33 3.47 0.00	61.00 3.94 0.00	75.51 4.94 0.00	88.82 6.04 0.00	91.25 6.21 0.00	89.59 6.15 -0.30	94.48 6.71 -1.79	97.66 6.61 -12.34	81.21 5.49 -9.57	74.86 5.06 -9.58	74.88 4.71 -14.05	70.67 5.09 -7.12	76.60 5.22 -12.01	91.56 6.24 -15.15	99.35 6.45 -21.19	89.54 5.00 -27.78	76.05 5.42 -8.31	70.05 4.98 -6.53	60.58 4.69 0.00	60.39 3.85 -4.53
KIAC_JFK____ 323774	71.59 3.94 -3.06	68.30 3.18 -13.81	69.37 2.69 -19.41	67.49 2.89 -15.61	55.33 3.47 0.00	60.99 3.93 0.00	75.43 4.87 0.00	88.82 6.04 0.00	91.25 6.20 0.00	89.59 6.15 -0.30	94.48 6.71 -1.79	97.66 6.61 -12.35	81.21 5.49 -9.57	74.86 5.06 -9.58	74.88 4.71 -14.05	70.61 5.03 -7.12	76.60 5.23 -12.01	91.55 6.24 -15.15	99.35 6.46 -21.19	89.54 5.00 -27.77	76.04 5.42 -8.31	70.05 4.97 -6.53	60.59 4.70 0.00	60.39 3.85 -4.53
KINTIGH____ 23543	58.78 -5.81 0.00	49.76 -3.39 -1.84	47.09 -3.07 -2.89	48.31 -3.14 -2.45	48.12 -3.73 0.00	53.24 -3.82 0.00	64.29 -6.28 0.00	73.58 -9.19 0.01	75.24 -9.44 0.36	73.39 -9.56 0.18	74.39 -9.63 1.96	71.67 -8.50 -1.47	61.06 -6.68 -1.59	55.70 -5.48 -0.95	52.15 -5.11 -1.14	53.54 -5.50 -0.57	55.23 -5.11 -0.97	63.79 -6.59 -0.23	64.99 -6.67 0.04	51.58 -5.56 -0.38	57.55 -5.55 -0.79	54.83 -4.27 -0.56	51.75 -4.14 0.00	50.07 -2.65 -0.71
KNTFSRNC_46_KV_46KV_LOAD 80397	64.78 0.19 0.00	51.16 -0.15 0.00	47.03 -0.24 0.00	48.70 -0.29 0.00	51.39 -0.47 0.00	56.72 -0.34 0.00	70.14 -0.42 0.00	82.37 -0.41 0.00	84.53 -0.51 0.00	82.81 -0.33 0.00	85.03 -0.95 0.00	77.60 -1.10 0.00	64.96 -1.19 0.00	58.84 -1.39 0.00	54.49 -1.63 0.00	56.18 -2.28 0.00	54.32 -2.55 2.49	67.35 -2.81 0.00	68.50 -2.80 0.40	54.61 -2.16 0.00	59.76 -2.55 0.00	56.14 -2.40 0.00	53.38 -2.52 0.00	50.35 -1.66 0.00
LACHUTE__HYDRO 323717	105.63 8.27 -32.77	95.15 6.62 -37.22	87.41 6.19 -33.95	75.05 6.37 -19.69	58.96 7.11 0.00	64.99 7.93 0.00	79.95 9.39 0.00	94.46 11.67 0.00	97.04 11.99 0.00	98.29 11.97 -3.18	117.75 12.55 -19.22	121.91 11.41 -31.79	116.32 9.33 -40.84	85.72 8.49 -17.01	81.79 7.97 -17.70	76.04 8.60 -8.98	83.34 8.85 -15.14	99.99 10.73 -19.09	109.16 10.75 -26.71	112.25 8.57 -46.90	86.02 9.29 -14.42	75.38 8.61 -8.23	64.16 8.27 0.00	65.01 7.28 -5.71
LAWRNCV_115KV_TB1 80681	64.52 -0.06 0.00	50.90 -0.41 0.00	46.85 -0.43 0.00	48.50 -0.49 0.00	51.13 -0.73 0.00	56.37 -0.68 0.00	70.21 -0.35 0.00	82.20 -0.58 0.00	83.85 -1.19 0.00	82.06 -1.08 0.00	84.77 -1.20 0.00	77.53 -1.18 0.00	65.09 -1.06 0.00	59.14 -1.08 0.00	55.05 -1.07 0.00	56.77 -1.70 0.00	55.15 -2.14 2.07	67.77 -2.39 0.00	68.86 -2.51 0.34	54.89 -1.87 0.00	60.13 -2.18 0.00	56.61 -1.93 0.00	54.38 -1.51 0.00	50.82 -1.20 0.00
LEDERLE____ 23769	70.69 3.16 -2.93	67.21 2.62 -13.29	68.22 2.27 -18.68	66.47 2.45 -15.03	54.71 2.85 0.00	60.20 3.14 0.00	74.38 3.81 0.00	87.25 4.47 0.00	89.63 4.59 0.00	88.00 4.57 -0.28	92.77 5.07 -1.72	95.62 5.04 -11.88	79.51 4.17 -9.20	73.23 3.79 -9.21	73.17 3.54 -13.51	69.17 3.86 -6.85	74.83 3.92 -11.55	89.43 4.70 -14.57	96.89 4.80 -20.38	87.23 3.75 -26.71	74.42 4.11 -8.00	68.63 3.81 -6.28	59.63 3.74 0.00	59.45 3.07 -4.36
LIGHTHSE_115KV_TB6 355974	63.30 -1.29 0.00	51.53 -0.82 -1.04	48.10 -0.80 -1.63	49.54 -0.83 -1.38	50.98 -0.88 0.00	56.09 -0.97 0.00	69.16 -1.41 0.00	81.04 -1.74 0.00	83.26 -1.79 0.00	81.23 -1.91 0.00	84.43 -1.55 0.00	78.30 -1.02 -0.61	65.16 -0.99 0.00	59.98 -0.96 -0.72	56.51 -0.90 -1.28	58.18 -0.94 -0.65	59.59 -0.71 -0.95	70.74 -0.84 -1.42	73.02 -0.65 -1.96	58.32 -0.68 -2.24	62.35 -0.62 -0.66	58.63 -0.53 -0.61	55.28 -0.61 0.00	51.84 -0.57 -0.40
LINDEN COGEN____ 23786	71.00 3.36 -3.06	67.94 2.82 -13.81	69.04 2.36 -19.41	67.20 2.59 -15.61	54.92 3.06 0.00	60.42 3.37 0.00	74.66 4.09 0.00	87.75 4.97 0.00	90.14 5.10 0.00	88.51 5.07 -0.30	93.36 5.59 -1.79	96.56 5.51 -12.35	80.28 4.56 -9.57	74.08 4.28 -9.58	74.09 3.93 -14.05	69.80 4.21 -7.12	75.65 4.28 -12.01	90.43 5.12 -15.15	98.12 5.23 -21.19	88.63 4.09 -27.77	75.05 4.42 -8.31	69.29 4.22 -6.53	59.97 4.08 0.00	59.88 3.33 -4.53
LINDHRST_69_KV_BK1 356055	117.71 5.75 -47.37	83.85 4.67 -27.87	82.53 4.11 -31.15	78.63 4.36 -25.28	78.65 4.87 -21.91	78.34 5.42 -15.86	130.35 6.63 -53.15	150.80 8.11 -59.90	153.82 8.16 -60.61	153.76 7.98 -62.64	170.82 8.43 -76.42	146.16 8.34 -59.11	136.99 6.95 -63.89	131.36 6.38 -64.76	131.01 5.95 -68.94	145.79 6.43 -80.90	143.26 6.53 -77.36	155.48 7.93 -77.39	155.12 7.82 -75.60	145.72 6.30 -82.65	138.59 6.79 -69.49	119.74 6.26 -54.94	115.54 6.04 -53.61	107.81 5.15 -50.64
LIPA_MISC_IPP 23656	117.77 5.81 -47.37	83.95 4.77 -27.87	82.63 4.21 -31.15	78.78 4.51 -25.28	78.80 5.03 -21.91	78.39 5.48 -15.86	130.50 6.77 -53.15	151.13 8.44 -59.90	154.37 8.67 -60.65	154.30 8.48 -62.68	171.28 8.77 -76.53	145.61 7.79 -59.11	136.26 6.22 -63.89	130.82 5.84 -64.76	130.67 5.61 -68.94	145.74 6.37 -80.90	142.84 6.11 -77.36	155.13 7.58 -77.39	155.45 8.03 -75.71	145.38 5.96 -82.65	138.47 6.67 -69.49	119.63 6.15 -54.94	115.59 6.09 -53.61	107.86 5.20 -50.64
LISF__SOLAR 323691	117.97 6.01 -47.37	84.06 4.88 -27.87	82.72 4.30 -31.15	78.87 4.60 -25.28	78.91 5.14 -21.91	78.45 5.53 -15.86	130.64 6.92 -53.15	151.29 8.61 -59.90	154.62 8.93 -60.65	154.46 8.65 -62.68	171.53 9.03 -76.53	145.77 7.95 -59.11	136.39 6.35 -63.89	130.82 5.84 -64.76	130.73 5.67 -68.94	145.79 6.43 -80.90	142.96 6.23 -77.36	155.33 7.79 -77.39	155.65 8.24 -75.71	145.54 6.13 -82.64	138.59 6.79 -69.49	119.68 6.20 -54.94	115.70 6.20 -53.61	108.02 5.36 -50.64



LITTLE FALLS___HYD 24013	65.75 1.16 0.00	52.29 0.97 0.00	48.12 0.85 0.00	49.92 0.93 0.00	52.90 1.04 0.00	58.14 1.08 0.00	71.84 1.27 0.00	84.27 1.49 0.00	86.49 1.45 0.00	84.64 1.50 0.00	88.13 2.15 0.00	81.07 2.36 0.00	67.94 1.79 0.00	61.55 1.32 0.00	56.91 0.79 0.00	59.16 0.70 0.00	60.21 0.71 -0.14	71.00 0.84 0.00	72.58 0.86 -0.02	57.45 0.68 0.00	63.06 0.75 0.00	59.42 0.88 0.00	56.78 0.89 0.00	52.80 0.78 0.00
LITTLRIV_115KV_TB1 356100	65.30 0.71 0.00	51.65 0.15 -0.19	47.62 0.05 -0.30	49.25 0.00 -0.25	51.65 -0.21 0.00	56.94 -0.11 0.00	70.99 0.42 0.00	83.20 0.41 0.00	84.79 -0.26 0.00	82.97 -0.17 0.00	85.81 -0.17 0.00	78.50 -0.31 -0.11	65.89 -0.26 0.00	59.80 -0.42 0.00	55.67 -0.45 0.00	57.47 -0.99 0.00	55.85 -1.48 2.02	68.62 -1.54 0.00	69.72 -1.65 0.33	55.58 -1.19 0.00	60.88 -1.43 0.00	57.25 -1.29 0.00	55.00 -0.89 0.00	51.46 -0.62 -0.07
LI_NEWBRDGE___DRP 323616	116.35 4.39 -47.37	82.77 3.59 -27.87	81.54 3.12 -31.15	77.60 3.33 -25.28	77.56 3.79 -21.91	77.08 4.17 -15.86	128.80 5.08 -53.15	148.81 6.13 -59.90	151.86 6.21 -60.61	151.93 6.15 -62.64	169.09 6.71 -76.41	144.35 6.53 -59.11	135.47 5.42 -63.89	129.98 5.00 -64.76	129.72 4.66 -68.94	144.33 4.97 -80.90	141.77 5.05 -77.36	153.58 6.03 -77.39	153.46 6.17 -75.59	144.24 4.83 -82.65	137.03 5.23 -69.49	118.40 4.92 -54.94	114.25 4.75 -53.61	106.66 4.01 -50.64
LOCKPORT_115KV_TB60_63_64 80432	57.74 -6.85 0.00	48.66 -4.62 -1.97	46.16 -4.21 -3.09	47.26 -4.36 -2.62	47.35 -4.51 0.00	52.49 -4.56 0.00	63.16 -7.41 0.00	72.41 -10.35 0.02	74.02 -10.55 0.48	72.57 -10.31 0.26	72.97 -10.58 2.43	70.97 -9.13 -1.40	60.64 -7.21 -1.70	55.08 -5.96 -0.82	51.82 -5.16 -0.86	53.10 -5.79 -0.43	55.05 -5.05 -0.73	63.12 -6.59 0.44	64.05 -6.60 1.06	50.46 -5.51 0.80	57.36 -5.61 -0.66	53.88 -5.09 -0.43	51.47 -4.42 0.00	49.50 -3.28 -0.76
LOCKPORT___CC1 323769	57.48 -7.11 0.00	48.47 -4.83 -1.98	45.99 -4.39 -3.12	47.08 -4.55 -2.64	47.19 -4.67 0.00	52.38 -4.68 0.00	62.88 -7.69 0.00	72.08 -10.68 0.02	73.48 -10.89 0.67	72.13 -10.72 0.28	70.78 -10.92 4.28	70.48 -9.53 -1.30	60.52 -7.34 -1.72	54.97 -6.02 -0.77	51.56 -5.33 -0.77	53.52 -5.32 -0.38	54.85 -5.16 -0.65	62.77 -6.74 0.65	63.57 -6.74 1.39	49.95 -5.62 1.19	57.19 -5.73 -0.61	54.19 -4.74 -0.39	51.42 -4.47 0.00	49.45 -3.33 -0.77
LOCKPORT___CC2 323770	57.48 -7.11 0.00	48.47 -4.83 -1.98	45.99 -4.39 -3.12	47.08 -4.55 -2.64	47.19 -4.67 0.00	52.38 -4.68 0.00	62.88 -7.69 0.00	72.08 -10.68 0.02	73.48 -10.89 0.67	72.13 -10.72 0.28	70.78 -10.92 4.28	70.48 -9.53 -1.30	60.52 -7.34 -1.72	54.97 -6.02 -0.77	51.56 -5.33 -0.77	53.52 -5.32 -0.38	54.85 -5.16 -0.65	62.77 -6.74 0.65	63.57 -6.74 1.39	49.95 -5.62 1.19	57.19 -5.73 -0.61	54.19 -4.74 -0.39	51.42 -4.47 0.00	49.45 -3.33 -0.77
LOCKPORT___CC3 323771	57.48 -7.11 0.00	48.47 -4.83 -1.98	45.99 -4.39 -3.12	47.08 -4.55 -2.64	47.19 -4.67 0.00	52.38 -4.68 0.00	62.88 -7.69 0.00	72.08 -10.68 0.02	73.48 -10.89 0.67	72.13 -10.72 0.28	70.78 -10.92 4.28	70.48 -9.53 -1.30	60.52 -7.34 -1.72	54.97 -6.02 -0.77	51.56 -5.33 -0.77	53.52 -5.32 -0.38	54.85 -5.16 -0.65	62.77 -6.74 0.65	63.57 -6.74 1.39	49.95 -5.62 1.19	57.19 -5.73 -0.61	54.19 -4.74 -0.39	51.42 -4.47 0.00	49.45 -3.33 -0.77
LONG_LAKE_PHOENIX 24014	62.72 -1.87 0.00	51.24 -1.23 -1.16	47.97 -1.13 -1.83	49.32 -1.22 -1.55	50.61 -1.24 0.00	55.75 -1.31 0.00	68.66 -1.91 0.00	80.22 -2.57 0.00	82.49 -2.55 0.00	80.48 -2.66 0.00	83.57 -2.41 0.00	77.35 -2.05 -0.69	64.50 -1.65 0.00	59.51 -1.51 -0.80	56.18 -1.35 -1.41	57.83 -1.34 -0.71	59.39 -1.19 -1.21	70.28 -1.40 -1.53	72.55 -1.29 -2.14	58.03 -1.14 -2.40	61.77 -1.25 -0.71	58.09 -1.11 -0.66	54.77 -1.12 0.00	51.53 -0.94 -0.45
LOVETT___3 23632	70.44 2.91 -2.95	67.06 2.41 -13.34	68.10 2.08 -18.75	66.33 2.25 -15.08	54.50 2.64 0.00	59.97 2.91 0.00	74.10 3.53 0.00	86.92 4.14 0.00	89.21 4.17 0.00	87.58 4.16 -0.29	92.43 4.73 -1.73	95.27 4.64 -11.92	79.22 3.84 -9.23	73.02 3.55 -9.25	72.99 3.31 -13.56	68.90 3.57 -6.88	74.58 3.62 -11.60	89.14 4.35 -14.63	96.61 4.45 -20.46	87.05 3.46 -26.82	74.14 3.80 -8.03	68.36 3.51 -6.31	59.36 3.47 0.00	59.25 2.86 -4.38
LOVETT___4 23642	70.44 2.91 -2.95	67.06 2.41 -13.34	68.10 2.08 -18.75	66.33 2.25 -15.08	54.50 2.64 0.00	59.97 2.91 0.00	74.10 3.53 0.00	86.92 4.14 0.00	89.21 4.17 0.00	87.58 4.16 -0.29	92.43 4.73 -1.73	95.27 4.64 -11.92	79.22 3.84 -9.23	73.02 3.55 -9.25	72.99 3.31 -13.56	68.90 3.57 -6.88	74.58 3.62 -11.60	89.14 4.35 -14.63	96.61 4.45 -20.46	87.05 3.46 -26.82	74.14 3.80 -8.03	68.36 3.51 -6.31	59.36 3.47 0.00	59.25 2.86 -4.38
LOVETT___5 23593	70.44 2.91 -2.95	67.06 2.41 -13.34	68.10 2.08 -18.75	66.33 2.25 -15.08	54.50 2.64 0.00	59.97 2.91 0.00	74.10 3.53 0.00	86.92 4.14 0.00	89.21 4.17 0.00	87.58 4.16 -0.29	92.43 4.73 -1.73	95.27 4.64 -11.92	79.22 3.84 -9.23	73.02 3.55 -9.25	72.99 3.31 -13.56	68.90 3.57 -6.88	74.58 3.62 -11.60	89.14 4.35 -14.63	96.61 4.45 -20.46	87.05 3.46 -26.82	74.14 3.80 -8.03	68.36 3.51 -6.31	59.36 3.47 0.00	59.25 2.86 -4.38
LOWER RAQUET___HYD 24057	64.52 -0.06 0.00	51.15 -0.36 -0.20	47.16 -0.43 -0.31	48.77 -0.49 -0.27	51.13 -0.73 0.00	56.38 -0.68 0.00	70.29 -0.28 0.00	82.21 -0.58 0.00	83.68 -1.36 0.00	81.89 -1.24 0.00	84.77 -1.20 0.00	77.44 -1.26 0.00	65.09 -1.06 0.00	59.14 -1.08 0.00	55.00 -1.12 0.00	56.71 -1.75 0.00	55.33 -2.26 1.78	67.90 -2.52 -0.26	69.09 -2.65 -0.04	55.19 -1.99 -0.41	60.13 -2.30 -0.12	56.66 -1.99 -0.11	54.38 -1.51 0.00	50.90 -1.19 -0.08
LOWER___HUDSON 24059	94.84 3.61 -26.64	87.02 2.97 -32.73	81.45 2.69 -31.48	71.08 2.79 -19.30	54.81 2.95 0.00	60.19 3.14 0.00	74.30 3.74 0.00	87.25 4.47 0.00	89.63 4.59 0.00	90.29 4.57 -2.58	106.59 4.98 -15.62	111.70 4.72 -28.27	104.93 3.90 -34.88	79.58 3.55 -15.80	76.81 3.31 -17.38	70.78 3.51 -8.81	77.78 3.56 -14.86	93.18 4.28 -18.74	102.29 4.37 -26.21	104.12 3.46 -43.89	79.49 3.74 -13.44	70.08 3.45 -8.08	59.24 3.35 0.00	60.58 2.96 -5.60
LOWVILLE_115KV_TB2 356335	65.23 0.65 0.00	52.26 0.46 -0.49	48.33 0.28 -0.77	49.99 0.34 -0.65	52.17 0.31 0.00	57.51 0.46 0.00	71.34 0.78 0.00	83.86 1.08 0.00	85.81 0.77 0.00	83.80 0.67 0.00	87.18 1.20 0.00	80.18 1.18 -0.29	67.27 1.12 0.00	61.61 1.08 -0.31	57.56 0.90 -0.54	59.79 1.05 -0.28	60.08 0.77 0.05	71.68 0.98 -0.54	73.53 1.15 -0.68	58.42 0.79 -0.85	63.43 0.87 -0.25	59.42 0.64 -0.23	56.45 0.56 0.00	52.57 0.36 -0.19
LUTHERFT_115KV_GLOB_FND_222 355753	101.40 4.52 -32.29	91.82 3.64 -36.87	84.38 3.36 -33.75	72.12 3.48 -19.65	55.64 3.79 0.00	61.11 4.05 0.00	75.37 4.80 0.00	88.58 5.79 0.00	91.08 6.04 0.00	92.25 5.99 -3.13	111.28 6.36 -18.94	116.39 5.98 -31.70	111.73 4.90 -40.69	81.66 4.46 -16.98	77.97 4.15 -17.69	71.88 4.44 -8.97	79.06 4.57 -15.13	94.72 5.47 -19.09	103.92 5.52 -26.70	108.04 4.43 -46.84	81.51 4.80 -14.40	71.22 4.45 -8.23	60.19 4.30 0.00	61.52 3.80 -5.71



LUTHERNY_35_KV_BK2 355980	101.40 4.52 -32.29	91.87 3.69 -36.87	84.42 3.40 -33.75	72.17 3.53 -19.65	55.70 3.84 0.00	61.17 4.11 0.00	75.44 4.87 0.00	88.66 5.88 0.00	91.08 6.04 0.00	92.34 6.07 -3.13	111.37 6.45 -18.94	116.39 5.98 -31.70	111.80 4.96 -40.69	81.72 4.52 -16.98	78.02 4.21 -17.69	71.94 4.50 -8.97	79.12 4.63 -15.13	94.79 5.54 -19.09	103.99 5.59 -26.70	108.09 4.48 -46.84	81.57 4.86 -14.40	71.28 4.51 -8.23	60.25 4.36 0.00	61.57 3.85 -5.71
LWR___OSWEGATCHIE_HYD 23850	64.52 -0.06 0.00	51.47 -0.21 -0.37	47.52 -0.33 -0.58	49.14 -0.34 -0.49	51.39 -0.47 0.00	56.66 -0.40 0.00	70.36 -0.21 0.00	82.53 -0.25 0.00	84.19 -0.85 0.00	82.39 -0.75 0.00	85.55 -0.43 0.00	78.53 -0.39 -0.22	65.95 -0.20 0.00	60.21 -0.24 -0.23	56.24 -0.28 -0.40	58.08 -0.58 -0.20	57.29 -1.07 1.00	69.43 -1.12 -0.39	70.96 -1.08 -0.33	56.53 -0.85 -0.61	61.49 -1.00 -0.18	57.77 -0.94 -0.17	55.16 -0.73 0.00	51.53 -0.62 -0.14
LYONS_FALL_HYD 23570	65.69 1.10 0.00	52.64 0.87 -0.46	48.70 0.71 -0.72	50.34 0.74 -0.61	52.64 0.78 0.00	57.97 0.91 0.00	71.90 1.34 0.00	84.44 1.65 0.00	86.49 1.44 0.00	84.55 1.41 0.00	87.96 1.98 0.00	80.77 1.81 -0.26	67.73 1.58 0.00	62.01 1.51 -0.28	57.90 1.29 -0.49	60.17 1.46 -0.25	60.87 1.30 -0.20	72.36 1.61 -0.59	74.20 1.72 -0.78	59.00 1.31 -0.93	63.95 1.37 -0.27	59.91 1.11 -0.25	56.90 1.01 0.00	53.02 0.83 -0.18
MADISON___COUNTY_LFGE 323628	66.20 1.61 0.00	53.49 1.39 -0.79	49.70 1.18 -1.25	51.27 1.22 -1.06	53.26 1.40 0.00	58.71 1.65 0.00	72.61 2.05 0.00	85.18 2.40 0.00	87.42 2.38 0.00	85.38 2.24 0.00	88.81 2.84 0.00	81.77 2.60 -0.47	68.33 2.18 0.00	62.74 1.99 -0.53	58.81 1.74 -0.95	60.99 2.05 -0.48	62.18 2.02 -0.80	73.56 2.39 -1.01	75.70 2.58 -1.42	60.29 1.93 -1.60	64.84 2.06 -0.47	60.74 1.76 -0.44	57.57 1.68 0.00	53.78 1.46 -0.31
MALONE___115KV_TB1 356076	64.98 0.39 0.00	51.31 0.00 0.00	47.18 -0.09 0.00	48.80 -0.20 0.00	51.50 -0.36 0.00	56.89 -0.17 0.00	70.78 0.21 0.00	82.95 0.17 0.00	84.96 -0.09 0.00	83.14 0.00 0.00	85.55 -0.43 0.00	78.08 -0.63 0.00	65.49 -0.66 0.00	59.26 -0.96 0.00	55.00 -1.12 0.00	56.77 -1.70 0.00	55.01 -2.02 2.33	67.98 -2.17 0.00	69.17 -2.15 0.38	55.06 -1.70 0.00	60.26 -2.06 0.00	56.61 -1.93 0.00	53.99 -1.90 0.00	50.61 -1.40 0.00
MAPLEWOD_115KV_TB3 80458	89.05 3.16 -21.30	82.91 2.62 -28.99	79.28 2.41 -29.60	70.68 2.50 -19.19	54.55 2.70 0.00	59.91 2.85 0.00	73.88 3.32 0.00	86.67 3.89 0.00	89.12 4.08 0.00	89.28 4.07 -2.06	102.85 4.38 -12.49	108.10 4.25 -25.15	99.15 3.57 -29.43	78.28 3.25 -14.81	76.43 3.03 -17.28	70.32 3.10 -8.76	77.28 3.15 -14.77	92.44 3.65 -18.64	101.50 3.73 -26.07	101.19 2.95 -41.47	78.20 3.24 -12.65	69.56 2.99 -8.03	58.80 2.91 0.00	60.24 2.65 -5.57
MAPLE_RIDGE_WT_1 323574	62.98 -1.61 0.00	49.93 -1.38 0.00	46.00 -1.27 0.00	47.62 -1.37 0.00	50.30 -1.55 0.00	55.35 -1.71 0.00	68.59 -1.98 0.00	80.55 -2.23 0.00	82.75 -2.29 0.00	80.98 -2.16 0.00	83.57 -2.41 0.00	76.42 -2.29 0.00	64.23 -1.92 0.00	58.42 -1.81 0.00	54.44 -1.68 0.00	56.65 -1.81 0.00	53.18 -1.90 4.28	67.98 -2.18 0.00	68.71 -2.30 0.70	55.01 -1.76 0.00	60.38 -1.93 0.00	56.73 -1.82 0.00	54.16 -1.73 0.00	50.50 -1.51 0.00
MAPLE_RIDGE_WT_2 323611	62.98 -1.61 0.00	49.93 -1.38 0.00	46.00 -1.27 0.00	47.62 -1.37 0.00	50.30 -1.55 0.00	55.35 -1.71 0.00	68.59 -1.98 0.00	80.55 -2.23 0.00	82.75 -2.29 0.00	80.98 -2.16 0.00	83.57 -2.41 0.00	76.42 -2.29 0.00	64.23 -1.92 0.00	58.42 -1.81 0.00	54.44 -1.68 0.00	56.65 -1.81 0.00	53.18 -1.90 4.28	67.98 -2.18 0.00	68.71 -2.30 0.70	55.01 -1.76 0.00	60.38 -1.93 0.00	56.73 -1.82 0.00	54.16 -1.73 0.00	50.50 -1.51 0.00
MARBLE_RIVER_WT_PWR 323696	63.68 -0.90 0.00	50.28 -1.03 0.00	46.23 -1.04 0.00	47.87 -1.12 0.00	50.51 -1.35 0.00	55.69 -1.37 0.00	69.08 -1.49 0.00	81.37 -1.41 0.00	83.60 -1.45 0.00	81.89 -1.24 0.00	84.09 -1.89 0.00	76.66 -2.05 0.00	64.17 -1.98 0.00	58.11 -2.11 0.00	53.82 -2.30 0.00	55.54 -2.92 0.00	53.60 -3.26 2.50	66.44 -3.72 0.00	67.49 -3.80 0.41	53.87 -2.89 0.00	59.01 -3.30 0.00	55.50 -3.05 0.00	52.82 -3.07 0.00	49.62 -2.39 0.00
MARSHVLE_115KV_TB1 80742	99.30 4.39 -30.32	92.17 3.54 -37.32	86.48 3.26 -35.95	74.44 3.38 -22.06	55.75 3.89 0.00	61.34 4.28 0.00	75.79 5.22 0.00	89.24 6.46 0.00	91.25 6.21 0.00	91.90 5.82 -2.94	109.86 6.10 -17.78	115.15 5.19 -31.25	108.89 4.76 -37.98	82.24 4.28 -17.74	79.97 3.98 -19.86	72.74 4.21 -10.07	80.92 4.57 -16.99	97.41 5.82 -21.43	107.62 5.95 -29.97	110.88 4.71 -49.40	82.53 5.11 -15.11	72.70 4.92 -9.24	60.53 4.64 0.00	62.27 3.85 -6.41
MARSH_HILL_WT_PWR 323713	61.29 -4.20 -0.90	51.21 -3.39 -3.29	48.65 -3.12 -4.50	49.32 -3.24 -3.56	49.16 -2.70 0.00	54.66 -2.39 0.00	66.26 -4.31 0.00	77.67 -5.21 -0.10	82.68 -5.10 -2.73	78.91 -5.74 -1.50	95.76 -5.50 -15.29	80.61 -5.11 -7.02	64.17 -4.50 -2.52	62.63 -4.22 -6.62	63.65 -3.93 -11.46	60.55 -3.74 -5.84	65.97 -3.21 -9.81	86.86 -3.30 -20.00	99.19 -3.01 -30.49	91.29 -2.55 -37.08	65.51 -2.87 -6.06	60.47 -3.16 -5.09	53.88 -2.01 0.00	50.97 -2.08 -1.03
MCINTYRE_115KV_TB2 80467	65.69 1.10 0.00	51.77 0.46 0.00	47.60 0.33 0.00	49.29 0.29 0.00	51.91 0.05 0.00	57.29 0.23 0.00	71.48 0.92 0.00	83.86 1.08 0.00	85.55 0.51 0.00	83.64 0.50 0.00	86.32 0.34 0.00	78.79 0.08 0.00	66.15 0.00 0.00	60.04 -0.18 0.00	55.95 -0.17 0.00	57.88 -0.58 0.00	56.38 -0.89 2.09	69.25 -0.91 0.00	70.43 -0.93 0.34	56.09 -0.68 0.00	61.44 -0.87 0.00	57.72 -0.82 0.00	55.28 -0.61 0.00	51.60 -0.42 0.00
MECO_____69_KV_BK1 80468	102.81 5.68 -32.54	94.15 4.62 -38.22	87.27 4.30 -35.69	74.64 4.41 -21.23	56.84 4.98 0.00	62.48 5.42 0.00	77.20 6.63 0.00	90.81 8.03 0.00	92.95 7.91 0.00	93.78 7.48 -3.15	112.88 7.82 -19.08	117.95 6.93 -32.32	112.70 6.02 -40.53	83.39 5.42 -17.75	80.35 5.11 -19.12	73.71 5.55 -9.69	81.71 6.00 -16.35	98.15 7.37 -20.62	108.07 7.53 -28.84	112.03 6.07 -49.19	83.94 6.54 -15.08	73.52 6.09 -8.89	61.70 5.81 0.00	63.12 4.94 -6.16
MENANDS___115KV_TB5 355628	87.91 2.97 -20.35	82.03 2.41 -28.31	78.74 2.22 -29.24	70.44 2.30 -19.15	54.35 2.49 0.00	59.68 2.62 0.00	73.60 3.03 0.00	86.26 3.48 0.00	88.70 3.66 0.00	88.77 3.66 -1.97	101.96 4.04 -11.94	107.22 3.94 -24.58	97.85 3.24 -28.46	77.86 3.01 -14.62	76.17 2.81 -17.24	70.01 2.81 -8.74	76.89 2.79 -14.74	91.98 3.23 -18.60	101.01 3.30 -26.01	100.39 2.61 -41.01	77.73 2.93 -12.49	69.25 2.69 -8.02	58.52 2.63 0.00	60.02 2.44 -5.56
MG INDUSTRY___DRP 24185	82.73 4.59 -13.55	78.28 3.75 -23.22	77.16 3.55 -26.35	71.15 3.58 -18.58	56.06 4.20 0.00	61.39 4.34 0.00	75.44 4.87 0.00	88.08 5.30 0.00	92.36 7.31 0.00	90.94 6.48 -1.31	100.55 6.62 -7.95	105.07 5.98 -20.38	92.38 4.76 -21.46	77.53 4.28 -13.03	76.88 4.21 -16.55	71.47 4.62 -8.39	75.95 2.43 -14.15	90.82 2.81 -17.85	99.61 2.94 -24.97	96.04 2.33 -36.95	76.12 2.62 -11.19	68.70 2.46 -7.70	58.41 2.52 0.00	59.75 2.29 -5.44



MID___OSWEGATCHIE_HYD 23849	64.52 -0.06 0.00	51.47 -0.21 -0.37	47.52 -0.33 -0.58	49.14 -0.34 -0.49	51.39 -0.47 0.00	56.66 -0.40 0.00	70.36 -0.21 0.00	82.53 -0.25 0.00	84.19 -0.85 0.00	82.39 -0.75 0.00	85.55 -0.43 0.00	78.53 -0.39 -0.22	65.95 -0.20 0.00	60.21 -0.24 -0.23	56.24 -0.28 -0.40	58.08 -0.58 -0.20	57.29 -1.07 1.00	69.43 -1.12 -0.39	70.96 -1.08 -0.33	56.53 -0.85 -0.61	61.49 -1.00 -0.18	57.77 -0.94 -0.17	55.16 -0.73 0.00	51.53 -0.62 -0.14
MID___RAQUETTE_HYD 23851	64.52 -0.06 0.00	51.15 -0.36 -0.20	47.16 -0.43 -0.31	48.77 -0.49 -0.27	51.13 -0.73 0.00	56.37 -0.68 0.00	70.21 -0.35 0.00	82.20 -0.58 0.00	83.68 -1.36 0.00	81.89 -1.25 0.00	84.77 -1.20 0.00	77.57 -1.26 -0.12	65.09 -1.06 0.00	59.14 -1.08 0.00	55.00 -1.12 0.00	56.71 -1.75 0.00	55.12 -2.26 1.98	67.63 -2.53 0.00	68.73 -2.65 0.32	54.78 -1.99 0.00	60.01 -2.31 0.00	56.55 -1.99 0.00	54.38 -1.51 0.00	50.90 -1.20 -0.08
MILLIKEN___1 23584	65.77 0.26 -0.92	54.85 0.36 -3.18	51.87 0.28 -4.31	52.64 0.24 -3.40	52.38 0.52 0.00	57.80 0.74 0.00	71.13 0.56 0.00	83.37 0.58 -0.01	85.82 0.60 -0.18	83.57 0.25 -0.18	88.17 0.69 -1.50	82.54 0.71 -3.12	69.20 0.66 -2.39	63.19 0.54 -2.43	60.17 0.45 -3.60	61.05 0.76 -1.83	63.45 1.01 -3.08	75.95 1.40 -4.39	79.66 1.65 -6.31	66.10 1.14 -8.19	65.62 1.18 -2.13	61.14 0.94 -1.66	56.84 0.95 0.00	53.78 0.78 -0.99
MILLIKEN___2 23585	65.77 0.26 -0.92	54.85 0.36 -3.18	51.87 0.28 -4.31	52.64 0.24 -3.40	52.38 0.52 0.00	57.80 0.74 0.00	71.13 0.56 0.00	83.37 0.58 -0.01	85.82 0.60 -0.18	83.57 0.25 -0.18	88.17 0.69 -1.50	82.54 0.71 -3.12	69.20 0.66 -2.39	63.19 0.54 -2.43	60.17 0.45 -3.60	61.05 0.76 -1.83	63.45 1.01 -3.08	75.95 1.40 -4.39	79.66 1.65 -6.31	66.10 1.14 -8.19	65.62 1.18 -2.13	61.14 0.94 -1.66	56.84 0.95 0.00	53.78 0.78 -0.99
MILLIKEN___DIESEL 23629	65.77 0.26 -0.92	54.85 0.36 -3.18	51.87 0.28 -4.31	52.64 0.24 -3.40	52.38 0.52 0.00	57.80 0.74 0.00	71.13 0.56 0.00	83.37 0.58 -0.01	85.82 0.60 -0.18	83.57 0.25 -0.18	88.17 0.69 -1.50	82.54 0.71 -3.12	69.20 0.66 -2.39	63.19 0.54 -2.43	60.17 0.45 -3.60	61.05 0.76 -1.83	63.45 1.01 -3.08	75.95 1.40 -4.39	79.66 1.65 -6.31	66.10 1.14 -8.19	65.62 1.18 -2.13	61.14 0.94 -1.66	56.84 0.95 0.00	53.78 0.78 -0.99
MILLSEAT___LFGE 323607	59.23 -5.36 0.00	49.84 -3.39 -1.92	47.12 -3.17 -3.02	48.37 -3.18 -2.56	48.59 -3.27 0.00	53.86 -3.19 0.00	64.99 -5.58 0.00	74.82 -7.95 0.02	76.64 -8.00 0.41	74.93 -7.98 0.22	75.82 -8.09 2.07	73.15 -7.01 -1.45	62.25 -5.56 -1.66	56.66 -4.46 -0.90	53.33 -3.82 -1.03	55.29 -3.68 -0.51	56.85 -3.38 -0.87	65.53 -4.56 0.07	66.78 -4.45 0.48	52.78 -3.86 0.12	59.12 -3.92 -0.73	56.00 -3.05 -0.50	52.82 -3.07 0.00	50.68 -2.08 -0.74
MILLWOOD_138_KV_38W41_REV_LBMP_H 345005	70.99 3.36 -3.04	67.81 2.77 -13.73	68.98 2.41 -19.29	67.11 2.60 -15.52	54.81 2.96 0.00	60.31 3.25 0.00	74.52 3.95 0.00	87.50 4.72 0.00	89.80 4.76 0.00	88.17 4.74 -0.29	93.09 5.33 -1.78	96.17 5.19 -12.27	80.03 4.37 -9.51	73.78 4.03 -9.52	73.78 3.70 -13.96	69.57 4.03 -7.08	75.40 4.10 -11.94	90.06 4.84 -15.06	97.71 4.95 -21.06	88.24 3.86 -27.61	74.81 4.24 -8.26	68.96 3.92 -6.49	59.69 3.80 0.00	59.69 3.17 -4.50
MILLWOOD_13_KV_LOAD 356217	71.12 3.49 -3.04	67.96 2.92 -13.73	69.07 2.51 -19.29	67.20 2.69 -15.52	54.92 3.06 0.00	60.42 3.37 0.00	74.66 4.09 0.00	87.67 4.88 0.00	89.97 4.93 0.00	88.34 4.91 -0.29	93.35 5.59 -1.78	96.41 5.43 -12.27	80.23 4.56 -9.51	73.90 4.16 -9.52	73.95 3.87 -13.96	69.69 4.15 -7.08	75.51 4.21 -11.94	90.20 4.98 -15.06	97.86 5.09 -21.06	88.35 3.97 -27.61	74.94 4.36 -8.26	69.13 4.10 -6.49	59.80 3.91 0.00	59.79 3.28 -4.50
MODEL_CITY_ENERGY 24167	57.29 -7.30 0.00	48.39 -4.93 -2.00	45.92 -4.49 -3.15	47.01 -4.66 -2.67	46.98 -4.88 0.00	52.15 -4.91 0.00	62.59 -7.97 0.00	71.67 -11.09 0.02	73.21 -11.31 0.52	71.97 -10.89 0.28	71.97 -11.26 2.75	70.40 -9.68 -1.38	59.74 -8.14 -1.73	54.33 -6.69 -0.79	51.28 -5.67 -0.82	53.25 -5.61 -0.40	54.47 -5.58 -0.69	62.24 -7.37 0.56	62.90 -7.53 1.27	49.53 -6.19 1.05	56.65 -6.29 -0.63	53.97 -4.98 -0.40	50.80 -5.09 0.00	48.94 -3.85 -0.77
MODERN_LFGE___ 323580	57.29 -7.30 0.00	48.39 -4.93 -2.00	45.92 -4.49 -3.15	47.01 -4.66 -2.67	46.98 -4.88 0.00	52.15 -4.91 0.00	62.59 -7.97 0.00	71.67 -11.09 0.02	73.21 -11.31 0.52	71.97 -10.89 0.28	71.97 -11.26 2.75	70.40 -9.68 -1.38	59.74 -8.14 -1.73	54.33 -6.69 -0.79	51.28 -5.67 -0.82	53.25 -5.61 -0.40	54.47 -5.58 -0.69	62.24 -7.37 0.56	62.90 -7.53 1.27	49.53 -6.19 1.05	56.65 -6.29 -0.63	53.97 -4.98 -0.40	50.80 -5.09 0.00	48.94 -3.85 -0.77
MOHAWK_PAPER___DRP 24187	89.05 3.16 -21.30	82.91 2.62 -28.99	79.28 2.41 -29.60	70.68 2.50 -19.19	54.55 2.70 0.00	59.91 2.85 0.00	73.88 3.32 0.00	86.67 3.89 0.00	89.12 4.08 0.00	89.28 4.07 -2.06	102.85 4.38 -12.49	108.10 4.25 -25.15	99.15 3.57 -29.43	78.28 3.25 -14.81	76.43 3.03 -17.28	70.32 3.10 -8.76	77.28 3.15 -14.77	92.44 3.65 -18.64	101.50 3.73 -26.07	101.19 2.95 -41.47	78.20 3.24 -12.65	69.56 2.99 -8.03	58.80 2.91 0.00	60.24 2.65 -5.57
MOHICAN___35_KV_115KV_LD 80490	102.91 5.75 -32.57	93.00 4.62 -37.07	85.44 4.30 -33.86	73.07 4.41 -19.67	56.73 4.87 0.00	62.54 5.48 0.00	77.13 6.56 0.00	90.81 8.03 0.00	93.38 8.33 0.00	94.61 8.31 -3.16	113.85 8.77 -19.10	118.42 8.03 -31.68	113.36 6.55 -40.66	83.15 5.96 -16.97	79.37 5.56 -17.69	73.40 5.96 -8.97	80.61 6.11 -15.13	96.61 7.37 -19.09	105.85 7.46 -26.69	109.49 5.90 -46.82	83.12 6.42 -14.39	72.74 5.97 -8.23	61.65 5.76 0.00	62.77 5.05 -5.70
MONGAUP___HYD 23641	70.73 3.36 -2.78	66.64 2.72 -12.61	67.42 2.41 -17.74	65.76 2.50 -14.27	54.81 2.95 0.00	60.25 3.19 0.00	74.52 3.95 0.00	87.00 4.22 0.00	89.29 4.25 0.00	87.56 4.16 -0.27	92.25 4.64 -1.63	94.37 4.40 -11.26	78.51 3.64 -8.72	72.27 3.31 -8.74	72.13 3.20 -12.81	68.53 3.57 -6.50	74.14 3.80 -10.98	88.64 4.63 -13.85	95.73 4.66 -19.37	85.84 3.69 -25.39	74.09 4.18 -7.60	68.26 3.75 -5.97	59.52 3.63 0.00	59.22 3.07 -4.14
MONTAUK___DIESEL 23721	117.84 5.88 -47.37	84.00 4.82 -27.87	82.68 4.25 -31.15	78.78 4.51 -25.28	78.80 5.03 -21.91	78.34 5.42 -15.86	130.50 6.77 -53.15	151.29 8.61 -59.90	154.79 9.10 -60.65	154.71 8.90 -62.68	171.28 8.77 -76.53	145.14 7.32 -59.11	134.81 4.76 -63.89	129.43 4.46 -64.76	129.38 4.32 -68.94	144.51 5.14 -80.90	142.48 5.76 -77.36	154.85 7.30 -77.39	155.16 7.74 -75.71	145.04 5.62 -82.65	137.97 6.17 -69.49	119.10 5.62 -54.94	115.03 5.53 -53.61	107.86 5.20 -50.64
MOONROAD_115KV_HARTFLD_TB1-2 355988	60.07 -4.52 0.00	49.74 -3.80 -2.23	47.37 -3.40 -3.50	48.34 -3.63 -2.97	49.01 -2.85 0.00	54.60 -2.45 0.00	65.98 -4.59 0.00	76.88 -5.88 0.03	78.39 -5.95 0.70	76.37 -6.40 0.37	75.90 -6.28 3.80	74.82 -5.27 -1.38	63.79 -4.30 -1.94	57.09 -3.85 -0.72	52.97 -3.70 -0.56	55.35 -3.39 -0.28	56.51 -3.32 -0.48	65.16 -3.65 1.35	66.06 -3.30 2.34	51.66 -2.84 2.27	59.61 -3.24 -0.54	55.05 -3.81 -0.32	53.49 -2.40 0.00	50.33 -2.55 -0.86



MORRIS_RIDGE___SOLAR 323848	60.59 -4.85 -0.84	50.69 -3.74 -3.12	48.10 -3.45 -4.27	48.76 -3.62 -3.39	48.69 -3.17 0.00	54.03 -3.03 0.00	65.42 -5.15 0.00	76.05 -6.63 0.11	75.53 -6.63 2.88	74.66 -7.07 1.41	63.97 -6.96 15.04	70.92 -6.30 1.48	63.02 -5.29 -2.17	52.96 -4.76 2.50	46.07 -4.43 5.62	51.26 -4.33 2.87	50.61 -3.92 4.83	51.71 -4.35 14.10	45.24 -4.23 22.23	27.31 -3.52 25.93	55.94 -3.86 2.51	52.19 -3.98 2.37	52.98 -2.91 0.00	50.24 -2.76 -0.98
MORTIMER_115KV_TB3 55949	60.78 -3.81 0.00	50.94 -2.05 -1.68	48.03 -1.89 -2.65	49.33 -1.91 -2.24	49.58 -2.28 0.00	54.72 -2.34 0.00	66.69 -3.88 0.00	77.07 -5.71 0.00	79.26 -5.78 0.00	77.15 -5.99 0.00	80.17 -5.85 -0.03	75.41 -5.12 -1.82	63.63 -3.97 -1.45	58.42 -3.19 -1.39	55.11 -3.03 -2.02	56.27 -3.22 -1.03	58.25 -2.85 -1.73	68.63 -3.72 -2.19	71.17 -3.59 -3.05	57.68 -3.12 -4.03	60.34 -3.18 -1.21	57.20 -2.28 -0.94	53.54 -2.35 0.00	51.31 -1.35 -0.65
MOTTHAVN_138_KV_9M4_REV_LBMP_J 345006	71.46 3.81 -3.06	68.25 3.13 -13.81	69.38 2.69 -19.41	67.49 2.89 -15.61	55.18 3.32 0.00	60.71 3.65 0.00	75.08 4.52 0.00	88.25 5.46 0.00	90.57 5.53 0.00	88.92 5.49 -0.30	93.79 6.02 -1.79	96.96 5.90 -12.35	80.61 4.90 -9.57	74.32 4.52 -9.58	74.38 4.21 -14.05	70.15 4.56 -7.12	76.00 4.63 -12.01	90.79 5.47 -15.15	98.49 5.59 -21.19	88.92 4.37 -27.78	75.36 4.74 -8.32	69.52 4.45 -6.53	60.19 4.30 0.00	60.13 3.59 -4.53
MUNSVILLE_WIND_PWR 323609	70.19 3.49 -2.12	59.25 2.72 -5.22	56.11 2.22 -6.62	56.23 2.21 -5.03	54.45 2.59 0.00	60.14 3.08 0.00	74.52 3.95 0.00	87.84 5.05 0.00	90.27 5.10 -0.12	88.31 4.90 -0.27	94.08 6.19 -1.91	89.84 6.14 -4.99	75.79 5.09 -4.55	68.04 4.28 -3.54	64.73 3.70 -4.90	65.34 4.39 -2.49	68.06 4.51 -4.19	81.41 5.61 -5.63	85.73 6.02 -8.00	72.27 4.54 -10.96	70.18 4.80 -3.07	64.67 3.86 -2.27	59.69 3.80 0.00	56.70 3.23 -1.46
N SALMON___HYD 24042	64.98 0.39 0.00	51.31 0.00 0.00	47.18 -0.09 0.00	48.80 -0.20 0.00	51.50 -0.36 0.00	56.89 -0.17 0.00	70.78 0.21 0.00	82.95 0.17 0.00	84.96 -0.08 0.00	83.14 0.00 0.00	85.55 -0.43 0.00	78.07 -0.63 0.00	65.42 -0.73 0.00	59.26 -0.97 0.00	55.00 -1.12 0.00	56.76 -1.70 0.00	55.01 -2.02 2.33	67.98 -2.18 0.00	69.17 -2.15 0.38	55.07 -1.70 0.00	60.26 -2.05 0.00	56.67 -1.88 0.00	53.99 -1.90 0.00	50.61 -1.40 0.00
N.AKRON__115KV_KNAPP 355671	59.10 -5.49 0.00	49.70 -3.54 -1.93	47.09 -3.21 -3.03	48.28 -3.28 -2.57	48.44 -3.42 0.00	53.69 -3.37 0.00	64.85 -5.72 0.00	74.57 -8.20 0.02	76.37 -8.25 0.42	74.68 -8.23 0.23	75.48 -8.34 2.15	72.98 -7.16 -1.44	62.20 -5.62 -1.67	56.52 -4.58 -0.88	53.18 -3.93 -0.99	54.57 -4.38 -0.49	56.58 -3.62 -0.84	65.24 -4.77 0.15	66.44 -4.66 0.60	52.47 -4.03 0.27	58.98 -4.05 -0.72	55.34 -3.69 -0.49	52.70 -3.19 0.00	50.58 -2.18 -0.75
N.BELMOR_69_KV_BK1 55787	116.74 4.78 -47.37	83.03 3.85 -27.87	81.82 3.40 -31.15	77.85 3.58 -25.28	77.87 4.10 -21.91	77.42 4.51 -15.86	129.23 5.50 -53.15	149.31 6.62 -59.90	152.45 6.80 -60.61	152.51 6.73 -62.64	169.78 7.39 -76.41	144.90 7.08 -59.11	135.93 5.89 -63.89	130.40 5.42 -64.76	130.11 5.05 -68.94	144.80 5.44 -80.90	142.25 5.52 -77.36	154.21 6.67 -77.39	153.96 6.67 -75.59	144.58 5.17 -82.65	137.41 5.61 -69.49	118.69 5.21 -54.94	114.59 5.09 -53.61	106.97 4.32 -50.64
N.E_GEN_SANDY PD 24062	128.96 3.55 -60.82	125.59 2.87 -71.41	121.43 2.60 -71.56	128.38 2.69 -76.69	134.66 2.75 -80.06	150.53 2.97 -90.51	175.70 3.60 -101.54	190.40 4.22 -103.40	191.04 4.33 -101.66	172.20 4.32 -84.74	159.00 4.73 -68.30	153.42 4.56 -70.15	149.95 3.84 -79.97	149.20 3.49 -85.49	150.00 3.25 -90.63	152.89 3.45 -90.98	168.18 3.50 -105.32	186.08 4.21 -111.71	178.60 4.30 -102.60	160.58 3.35 -100.46	156.53 3.68 -90.54	144.00 3.39 -82.06	136.39 3.30 -77.20	132.60 2.86 -77.73
N.HEMPST_138_KV_BK345_REV_LBMP_G 345014	70.50 2.97 -2.94	67.14 2.51 -13.31	68.16 2.17 -18.72	66.35 2.30 -15.06	54.55 2.70 0.00	60.03 2.97 0.00	74.17 3.60 0.00	87.00 4.22 0.00	89.29 4.25 0.00	87.66 4.24 -0.28	92.52 4.81 -1.72	95.33 4.72 -11.90	79.27 3.90 -9.22	73.06 3.61 -9.23	73.02 3.37 -13.53	69.01 3.68 -6.86	74.68 3.74 -11.58	89.18 4.42 -14.60	96.64 4.52 -20.42	87.11 3.58 -26.77	74.25 3.93 -8.01	68.47 3.63 -6.29	59.47 3.58 0.00	59.30 2.91 -4.37
N.QUEENS_27_KV_LOAD 356247	72.31 4.65 -3.07	68.98 3.85 -13.82	70.09 3.40 -19.41	68.23 3.63 -15.61	55.76 3.89 -0.01	61.29 4.22 -0.01	76.08 5.50 -0.01	89.33 6.54 -0.01	90.74 5.70 0.00	89.09 5.65 -0.30	94.05 6.28 -1.79	97.27 6.22 -12.35	80.88 5.16 -9.57	74.62 4.82 -9.58	74.60 4.43 -14.05	70.44 4.85 -7.12	76.30 4.93 -12.01	91.14 5.82 -15.15	98.85 5.95 -21.20	89.15 4.60 -27.78	75.61 4.98 -8.31	69.87 4.80 -6.53	60.59 4.69 -0.01	60.51 3.95 -4.54
N.TROY___115KV_TB1 355778	94.85 3.62 -26.64	87.02 2.98 -32.73	81.45 2.69 -31.48	71.09 2.79 -19.30	54.81 2.96 0.00	60.20 3.14 0.00	74.38 3.81 0.00	87.25 4.47 0.00	89.63 4.59 0.00	90.29 4.57 -2.58	106.59 4.99 -15.62	111.70 4.72 -28.27	104.93 3.90 -34.88	79.58 3.55 -15.80	76.81 3.31 -17.38	70.78 3.51 -8.81	77.78 3.56 -14.86	93.19 4.28 -18.75	102.30 4.37 -26.22	104.13 3.46 -43.90	79.49 3.74 -13.44	70.08 3.45 -8.08	59.24 3.35 0.00	60.58 2.96 -5.60
NARROWS_GT1_1 24228	72.17 4.52 -3.07	68.82 3.70 -13.82	69.85 3.17 -19.41	67.98 3.38 -15.61	65.04 3.99 -9.18	66.61 4.39 -5.16	75.80 5.22 -0.01	89.00 6.21 -0.01	91.17 6.13 0.00	89.59 6.15 -0.30	94.56 6.79 -1.79	97.74 6.69 -12.35	81.34 5.62 -9.57	74.98 5.18 -9.58	74.94 4.77 -14.05	70.85 5.26 -7.12	76.65 5.28 -12.01	91.63 6.32 -15.15	140.02 6.46 -61.86	89.59 5.05 -27.77	76.11 5.48 -8.31	70.28 5.15 -6.59	69.01 5.09 -8.03	68.94 4.27 -12.66
NARROWS_GT1_2 24229	72.17 4.52 -3.07	68.82 3.70 -13.82	69.85 3.17 -19.41	67.98 3.38 -15.61	65.04 3.99 -9.18	66.61 4.39 -5.16	75.80 5.22 -0.01	89.00 6.21 -0.01	91.17 6.13 0.00	89.59 6.15 -0.30	94.56 6.79 -1.79	97.74 6.69 -12.35	81.34 5.62 -9.57	74.98 5.18 -9.58	74.94 4.77 -14.05	70.85 5.26 -7.12	76.65 5.28 -12.01	91.63 6.32 -15.15	140.02 6.46 -61.86	89.59 5.05 -27.77	76.11 5.48 -8.31	70.28 5.15 -6.59	69.01 5.09 -8.03	68.94 4.27 -12.66
NARROWS_GT1_3 24230	72.17 4.52 -3.07	68.82 3.70 -13.82	69.85 3.17 -19.41	67.98 3.38 -15.61	65.04 3.99 -9.18	66.61 4.39 -5.16	75.80 5.22 -0.01	89.00 6.21 -0.01	91.17 6.13 0.00	89.59 6.15 -0.30	94.56 6.79 -1.79	97.74 6.69 -12.35	81.34 5.62 -9.57	74.98 5.18 -9.58	74.94 4.77 -14.05	70.85 5.26 -7.12	76.65 5.28 -12.01	91.63 6.32 -15.15	140.02 6.46 -61.86	89.59 5.05 -27.77	76.11 5.48 -8.31	70.28 5.15 -6.59	69.01 5.09 -8.03	68.94 4.27 -12.66
NARROWS_GT1_4 24231	72.17 4.52 -3.07	68.82 3.70 -13.82	69.85 3.17 -19.41	67.98 3.38 -15.61	65.04 3.99 -9.18	66.61 4.39 -5.16	75.80 5.22 -0.01	89.00 6.21 -0.01	91.17 6.13 0.00	89.59 6.15 -0.30	94.56 6.79 -1.79	97.74 6.69 -12.35	81.34 5.62 -9.57	74.98 5.18 -9.58	74.94 4.77 -14.05	70.85 5.26 -7.12	76.65 5.28 -12.01	91.63 6.32 -15.15	140.02 6.46 -61.86	89.59 5.05 -27.77	76.11 5.48 -8.31	70.28 5.15 -6.59	69.01 5.09 -8.03	68.94 4.27 -12.66



NARROWS_GT1_5 24232	72.17 4.52 -3.07	68.82 3.70 -13.82	69.85 3.17 -19.41	67.98 3.38 -15.61	65.04 3.99 -9.18	66.61 4.39 -5.16	75.80 5.22 -0.01	89.00 6.21 -0.01	91.17 6.13 0.00	89.59 6.15 -0.30	94.56 6.79 -1.79	97.74 6.69 -12.35	81.34 5.62 -9.57	74.98 5.18 -9.58	74.94 4.77 -14.05	70.85 5.26 -7.12	76.65 5.28 -12.01	91.63 6.32 -15.15	140.02 6.46 -61.86	89.59 5.05 -27.77	76.11 5.48 -8.31	70.28 5.15 -6.59	69.01 5.09 -8.03	68.94 4.27 -12.66
NARROWS_GT1_6 24233	72.17 4.52 -3.07	68.82 3.70 -13.82	69.85 3.17 -19.41	67.98 3.38 -15.61	65.04 3.99 -9.18	66.61 4.39 -5.16	75.80 5.22 -0.01	89.00 6.21 -0.01	91.17 6.13 0.00	89.59 6.15 -0.30	94.56 6.79 -1.79	97.74 6.69 -12.35	81.34 5.62 -9.57	74.98 5.18 -9.58	74.94 4.77 -14.05	70.85 5.26 -7.12	76.65 5.28 -12.01	91.63 6.32 -15.15	140.02 6.46 -61.86	89.59 5.05 -27.77	76.11 5.48 -8.31	70.28 5.15 -6.59	69.01 5.09 -8.03	68.94 4.27 -12.66
NARROWS_GT1_7 24234	72.17 4.52 -3.07	68.82 3.70 -13.82	69.85 3.17 -19.41	67.98 3.38 -15.61	65.04 3.99 -9.18	66.61 4.39 -5.16	75.80 5.22 -0.01	89.00 6.21 -0.01	91.17 6.13 0.00	89.59 6.15 -0.30	94.56 6.79 -1.79	97.74 6.69 -12.35	81.34 5.62 -9.57	74.98 5.18 -9.58	74.94 4.77 -14.05	70.85 5.26 -7.12	76.65 5.28 -12.01	91.63 6.32 -15.15	140.02 6.46 -61.86	89.59 5.05 -27.77	76.11 5.48 -8.31	70.28 5.15 -6.59	69.01 5.09 -8.03	68.94 4.27 -12.66
NARROWS_GT1_8 24235	72.17 4.52 -3.07	68.82 3.70 -13.82	69.85 3.17 -19.41	67.98 3.38 -15.61	65.04 3.99 -9.18	66.61 4.39 -5.16	75.80 5.22 -0.01	89.00 6.21 -0.01	91.17 6.13 0.00	89.59 6.15 -0.30	94.56 6.79 -1.79	97.74 6.69 -12.35	81.34 5.62 -9.57	74.98 5.18 -9.58	74.94 4.77 -14.05	70.85 5.26 -7.12	76.65 5.28 -12.01	91.63 6.32 -15.15	140.02 6.46 -61.86	89.59 5.05 -27.77	76.11 5.48 -8.31	70.28 5.15 -6.59	69.01 5.09 -8.03	68.94 4.27 -12.66
NARROWS_GT2_1 24236	72.17 4.52 -3.07	68.82 3.70 -13.82	69.85 3.17 -19.41	67.98 3.38 -15.61	65.04 3.99 -9.18	66.61 4.39 -5.16	75.80 5.22 -0.01	89.00 6.21 -0.01	91.17 6.13 0.00	89.59 6.15 -0.30	94.56 6.79 -1.79	97.74 6.69 -12.35	81.34 5.62 -9.57	74.98 5.18 -9.58	74.94 4.77 -14.05	70.85 5.26 -7.12	76.65 5.28 -12.01	91.63 6.32 -15.15	140.02 6.46 -61.86	89.59 5.05 -27.77	76.11 5.48 -8.31	70.28 5.15 -6.59	69.01 5.09 -8.03	68.94 4.27 -12.66
NARROWS_GT2_2 24237	72.17 4.52 -3.07	68.82 3.70 -13.82	69.85 3.17 -19.41	67.98 3.38 -15.61	65.04 3.99 -9.18	66.61 4.39 -5.16	75.80 5.22 -0.01	89.00 6.21 -0.01	91.17 6.13 0.00	89.59 6.15 -0.30	94.56 6.79 -1.79	97.74 6.69 -12.35	81.34 5.62 -9.57	74.98 5.18 -9.58	74.94 4.77 -14.05	70.85 5.26 -7.12	76.65 5.28 -12.01	91.63 6.32 -15.15	140.02 6.46 -61.86	89.59 5.05 -27.77	76.11 5.48 -8.31	70.28 5.15 -6.59	69.01 5.09 -8.03	68.94 4.27 -12.66
NARROWS_GT2_3 24238	72.17 4.52 -3.07	68.82 3.70 -13.82	69.85 3.17 -19.41	67.98 3.38 -15.61	65.04 3.99 -9.18	66.61 4.39 -5.16	75.80 5.22 -0.01	89.00 6.21 -0.01	91.17 6.13 0.00	89.59 6.15 -0.30	94.56 6.79 -1.79	97.74 6.69 -12.35	81.34 5.62 -9.57	74.98 5.18 -9.58	74.94 4.77 -14.05	70.85 5.26 -7.12	76.65 5.28 -12.01	91.63 6.32 -15.15	140.02 6.46 -61.86	89.59 5.05 -27.77	76.11 5.48 -8.31	70.28 5.15 -6.59	69.01 5.09 -8.03	68.94 4.27 -12.66
NARROWS_GT2_4 24239	72.17 4.52 -3.07	68.82 3.70 -13.82	69.85 3.17 -19.41	67.98 3.38 -15.61	65.04 3.99 -9.18	66.61 4.39 -5.16	75.80 5.22 -0.01	89.00 6.21 -0.01	91.17 6.13 0.00	89.59 6.15 -0.30	94.56 6.79 -1.79	97.74 6.69 -12.35	81.34 5.62 -9.57	74.98 5.18 -9.58	74.94 4.77 -14.05	70.85 5.26 -7.12	76.65 5.28 -12.01	91.63 6.32 -15.15	140.02 6.46 -61.86	89.59 5.05 -27.77	76.11 5.48 -8.31	70.28 5.15 -6.59	69.01 5.09 -8.03	68.94 4.27 -12.66
NARROWS_GT2_5 24240	72.17 4.52 -3.07	68.82 3.70 -13.82	69.85 3.17 -19.41	67.98 3.38 -15.61	65.04 3.99 -9.18	66.61 4.39 -5.16	75.80 5.22 -0.01	89.00 6.21 -0.01	91.17 6.13 0.00	89.59 6.15 -0.30	94.56 6.79 -1.79	97.74 6.69 -12.35	81.34 5.62 -9.57	74.98 5.18 -9.58	74.94 4.77 -14.05	70.85 5.26 -7.12	76.65 5.28 -12.01	91.63 6.32 -15.15	140.02 6.46 -61.86	89.59 5.05 -27.77	76.11 5.48 -8.31	70.28 5.15 -6.59	69.01 5.09 -8.03	68.94 4.27 -12.66
NARROWS_GT2_6 24241	72.17 4.52 -3.07	68.82 3.70 -13.82	69.85 3.17 -19.41	67.98 3.38 -15.61	65.04 3.99 -9.18	66.61 4.39 -5.16	75.80 5.22 -0.01	89.00 6.21 -0.01	91.17 6.13 0.00	89.59 6.15 -0.30	94.56 6.79 -1.79	97.74 6.69 -12.35	81.34 5.62 -9.57	74.98 5.18 -9.58	74.94 4.77 -14.05	70.85 5.26 -7.12	76.65 5.28 -12.01	91.63 6.32 -15.15	140.02 6.46 -61.86	89.59 5.05 -27.77	76.11 5.48 -8.31	70.28 5.15 -6.59	69.01 5.09 -8.03	68.94 4.27 -12.66
NARROWS_GT2_7 24242	72.17 4.52 -3.07	68.82 3.70 -13.82	69.85 3.17 -19.41	67.98 3.38 -15.61	65.04 3.99 -9.18	66.61 4.39 -5.16	75.80 5.22 -0.01	89.00 6.21 -0.01	91.17 6.13 0.00	89.59 6.15 -0.30	94.56 6.79 -1.79	97.74 6.69 -12.35	81.34 5.62 -9.57	74.98 5.18 -9.58	74.94 4.77 -14.05	70.85 5.26 -7.12	76.65 5.28 -12.01	91.63 6.32 -15.15	140.02 6.46 -61.86	89.59 5.05 -27.77	76.11 5.48 -8.31	70.28 5.15 -6.59	69.01 5.09 -8.03	68.94 4.27 -12.66
NARROWS_GT2_8 24243	72.17 4.52 -3.07	68.82 3.70 -13.82	69.85 3.17 -19.41	67.98 3.38 -15.61	65.04 3.99 -9.18	66.61 4.39 -5.16	75.80 5.22 -0.01	89.00 6.21 -0.01	91.17 6.13 0.00	89.59 6.15 -0.30	94.56 6.79 -1.79	97.74 6.69 -12.35	81.34 5.62 -9.57	74.98 5.18 -9.58	74.94 4.77 -14.05	70.85 5.26 -7.12	76.65 5.28 -12.01	91.63 6.32 -15.15	140.02 6.46 -61.86	89.59 5.05 -27.77	76.11 5.48 -8.31	70.28 5.15 -6.59	69.01 5.09 -8.03	68.94 4.27 -12.66
NCATSKLL_69_KV_NC-LINE_REV_LBMP_G 345022	80.76 3.94 -12.24	76.53 3.23 -21.99	75.64 2.98 -25.39	70.16 3.04 -18.13	56.01 4.15 0.00	61.45 4.39 0.00	75.58 5.01 0.00	88.00 5.22 0.00	90.91 5.87 0.00	88.98 4.66 -1.19	98.05 4.90 -7.18	102.48 4.49 -19.29	89.74 3.70 -19.89	76.14 3.31 -12.61	75.71 3.31 -16.27	70.22 3.51 -8.25	76.42 3.15 -13.92	91.50 3.79 -17.55	99.98 3.73 -24.55	95.54 2.95 -35.82	76.64 3.49 -10.84	69.21 3.10 -7.57	59.58 3.69 0.00	60.26 2.96 -5.28
NCHELSEA_115KV_TR2 355582	71.51 3.75 -3.18	68.34 3.13 -13.90	69.48 2.74 -19.47	67.51 2.89 -15.63	55.13 3.27 0.00	60.65 3.59 0.00	74.94 4.38 0.00	87.67 4.88 0.00	90.49 5.44 0.00	88.85 5.40 -0.31	93.95 6.10 -1.86	97.14 5.90 -12.53	80.92 4.90 -9.87	74.47 4.46 -9.79	74.65 4.21 -14.32	70.23 4.50 -7.26	75.88 4.27 -12.25	90.73 5.12 -15.45	98.48 5.16 -21.61	89.23 4.09 -28.38	75.35 4.55 -8.49	69.36 4.16 -6.66	59.91 4.02 0.00	59.93 3.38 -4.54
NEG CAPITAL___MECHNVIL 23645	99.93 4.59 -30.76	90.74 3.70 -35.73	83.84 3.45 -33.12	72.07 3.53 -19.54	55.70 3.84 0.00	61.17 4.11 0.00	75.43 4.87 0.00	88.66 5.88 0.00	91.17 6.13 0.00	92.19 6.07 -2.98	110.55 6.53 -18.04	115.53 6.06 -30.77	110.28 5.02 -39.11	81.45 4.57 -16.65	77.98 4.26 -17.60	71.95 4.56 -8.92	79.10 4.69 -15.05	94.75 5.61 -18.98	103.91 5.66 -26.55	107.32 4.54 -46.01	81.36 4.92 -14.13	71.23 4.51 -8.18	60.30 4.41 0.00	61.54 3.85 -5.67



NEG CENTRAL_HIGH_ACRES 23767	60.39 -4.20 0.00	50.48 -2.46 -1.64	47.53 -2.32 -2.57	48.82 -2.35 -2.18	49.16 -2.70 0.00	54.26 -2.79 0.00	66.33 -4.23 0.00	76.82 -5.96 0.00	79.09 -5.96 0.00	76.99 -6.15 0.00	80.05 -5.93 0.00	75.20 -5.27 -1.77	63.32 -4.23 -1.41	58.15 -3.43 -1.35	54.83 -3.26 -1.97	56.13 -3.33 -1.00	57.95 -3.09 -1.68	68.35 -3.93 -2.12	70.85 -3.80 -2.95	57.37 -3.29 -3.90	60.05 -3.43 -1.17	56.82 -2.63 -0.91	53.15 -2.74 0.00	50.78 -1.87 -0.63
NEG CENTRAL___DRP 24199	63.10 -1.49 0.00	52.25 -0.82 -1.76	49.28 -0.76 -2.77	50.56 -0.78 -2.35	51.24 -0.62 0.00	56.60 -0.46 0.00	69.37 -1.20 0.00	81.05 -1.74 -0.01	83.56 -1.70 -0.22	81.18 -2.08 -0.11	85.28 -1.89 -1.19	79.45 -1.50 -2.24	66.50 -1.19 -1.54	60.95 -1.08 -1.81	57.89 -1.01 -2.78	59.06 -0.82 -1.41	61.15 -0.59 -2.38	73.29 -0.49 -3.62	76.61 -0.36 -5.26	63.07 -0.40 -6.70	63.41 -0.50 -1.60	59.29 -0.53 -1.28	55.55 -0.34 0.00	52.44 -0.26 -0.68
NEG CENTRAL___INDECK 23768	60.45 -4.14 0.00	50.85 -2.72 -2.26	48.26 -2.55 -3.55	49.40 -2.60 -3.01	49.27 -2.59 0.00	54.61 -2.45 0.00	66.62 -3.95 0.00	77.49 -5.38 -0.09	81.89 -5.44 -2.29	78.26 -6.07 -1.19	92.24 -6.10 -12.36	79.07 -5.51 -5.87	63.81 -4.43 -2.09	61.92 -3.86 -5.55	62.21 -3.53 -9.62	60.03 -3.33 -4.90	64.93 -2.67 -8.23	83.84 -3.09 -16.77	94.53 -2.72 -25.56	85.28 -2.55 -31.06	64.78 -2.61 -5.08	60.41 -2.40 -4.27	55.61 -0.28 0.00	52.94 0.05 -0.87
NEG CENTRAL___SENECA 23627	63.04 -1.55 0.00	52.37 -0.87 -1.93	49.50 -0.80 -3.03	50.73 -0.83 -2.57	51.29 -0.57 0.00	56.72 -0.34 0.00	69.37 -1.20 0.00	80.97 -1.82 -0.01	83.61 -1.79 -0.35	81.00 -2.33 -0.18	85.74 -2.15 -1.91	79.68 -1.65 -2.63	66.54 -1.32 -1.71	61.19 -1.20 -2.17	58.38 -1.12 -3.39	59.25 -0.94 -1.72	61.67 -0.59 -2.90	74.38 -0.42 -4.64	78.23 -0.29 -6.82	64.97 -0.40 -8.60	63.80 -0.44 -1.92	59.56 -0.53 -1.55	55.67 -0.22 0.00	52.66 -0.10 -0.75
NEG CENTRAL___STATE_STREET 24147	63.62 -0.97 0.00	52.52 -0.51 -1.72	49.50 -0.47 -2.70	50.79 -0.49 -2.29	51.44 -0.41 0.00	56.77 -0.29 0.00	69.86 -0.71 0.00	81.71 -1.08 0.00	84.11 -1.02 -0.08	81.85 -1.33 -0.04	85.40 -1.03 -0.46	79.91 -0.79 -1.99	67.06 -0.60 -1.51	61.24 -0.54 -1.56	57.94 -0.51 -2.32	59.29 -0.35 -1.18	61.23 -0.12 -1.99	72.91 0.00 -2.75	75.76 0.14 -3.92	61.85 0.00 -5.08	63.68 0.00 -1.37	59.56 -0.06 -1.07	55.83 -0.06 0.00	52.63 -0.05 -0.66
NEG MILLWOOD___DRP 24198	71.94 4.20 -3.16	68.80 3.49 -14.00	69.98 3.07 -19.63	67.95 3.18 -15.77	55.49 3.63 0.00	61.00 3.94 0.00	75.37 4.80 0.00	88.33 5.55 0.00	90.74 5.70 0.00	89.10 5.65 -0.31	94.45 6.62 -1.85	97.72 6.45 -12.56	81.39 5.42 -9.81	74.93 4.94 -9.77	74.97 4.55 -14.31	70.57 4.85 -7.25	76.41 4.81 -12.24	91.14 5.54 -15.43	99.02 5.74 -21.59	89.57 4.48 -28.32	75.77 4.98 -8.48	69.82 4.62 -6.65	60.31 4.42 0.00	60.34 3.75 -4.58
NEG NORTH_FLCN_SEA 23793	64.52 -0.06 0.00	50.95 -0.36 0.00	46.85 -0.43 0.00	48.50 -0.49 0.00	51.18 -0.67 0.00	56.37 -0.68 0.00	69.51 -1.06 0.00	81.79 -0.99 0.00	84.02 -1.02 0.00	82.31 -0.83 0.00	84.43 -1.55 0.00	77.05 -1.65 0.00	64.50 -1.65 0.00	58.36 -1.87 0.00	54.10 -2.02 0.00	55.71 -2.75 0.00	53.78 -3.09 2.49	66.72 -3.44 0.00	67.86 -3.44 0.40	54.10 -2.67 0.00	59.26 -3.05 0.00	55.67 -2.87 0.00	52.98 -2.91 0.00	50.09 -1.92 0.00
NEG NORTH_KES_CHATEGAY 23792	63.81 -0.78 0.00	50.39 -0.92 0.00	46.33 -0.95 0.00	47.96 -1.03 0.00	50.61 -1.24 0.00	55.86 -1.20 0.00	69.37 -1.20 0.00	81.71 -1.08 0.00	83.94 -1.11 0.00	82.14 -1.00 0.00	84.26 -1.72 0.00	76.74 -1.97 0.00	64.23 -1.92 0.00	58.18 -2.05 0.00	53.93 -2.19 0.00	55.71 -2.75 0.00	53.83 -3.09 2.45	66.65 -3.51 0.00	67.79 -3.51 0.40	54.10 -2.67 0.00	59.26 -3.05 0.00	55.67 -2.87 0.00	52.98 -2.91 0.00	49.73 -2.29 0.00
NEG NORTH___ALICE_FALLS 23915	64.78 0.19 0.00	51.16 -0.15 0.00	47.03 -0.24 0.00	48.70 -0.29 0.00	51.39 -0.47 0.00	56.72 -0.34 0.00	70.14 -0.42 0.00	82.37 -0.41 0.00	84.53 -0.51 0.00	82.81 -0.33 0.00	85.03 -0.95 0.00	77.60 -1.10 0.00	64.96 -1.19 0.00	58.84 -1.39 0.00	54.49 -1.63 0.00	56.18 -2.28 0.00	54.32 -2.55 2.49	67.35 -2.81 0.00	68.50 -2.80 0.40	54.61 -2.16 0.00	59.76 -2.55 0.00	56.14 -2.40 0.00	53.38 -2.52 0.00	50.35 -1.66 0.00
NEG NORTH___LWR_SARANAC 23913	64.78 0.19 0.00	51.16 -0.15 0.00	47.03 -0.24 0.00	48.70 -0.29 0.00	51.39 -0.47 0.00	56.72 -0.34 0.00	70.14 -0.42 0.00	82.37 -0.41 0.00	84.53 -0.51 0.00	82.81 -0.33 0.00	85.03 -0.95 0.00	77.60 -1.10 0.00	64.96 -1.19 0.00	58.84 -1.39 0.00	54.49 -1.63 0.00	56.18 -2.28 0.00	54.32 -2.55 2.49	67.35 -2.81 0.00	68.50 -2.80 0.40	54.61 -2.16 0.00	59.76 -2.55 0.00	56.14 -2.40 0.00	53.38 -2.52 0.00	50.35 -1.66 0.00
NEG NORTH___PLATTSBURG 23628	64.78 0.19 0.00	51.16 -0.15 0.00	47.04 -0.24 0.00	48.70 -0.29 0.00	51.39 -0.47 0.00	56.72 -0.34 0.00	70.15 -0.42 0.00	82.37 -0.41 0.00	84.54 -0.51 0.00	82.81 -0.33 0.00	85.03 -0.94 0.00	77.60 -1.10 0.00	64.96 -1.19 0.00	58.84 -1.38 0.00	54.49 -1.63 0.00	56.24 -2.22 0.00	54.33 -2.55 2.49	67.35 -2.81 0.00	68.50 -2.80 0.40	54.61 -2.16 0.00	59.75 -2.56 0.00	56.14 -2.40 0.00	53.38 -2.51 0.00	50.35 -1.67 0.00
NEG WEST_LEA_LOCKPORT 23791	57.48 -7.10 0.00	48.47 -4.82 -1.98	45.99 -4.40 -3.12	47.08 -4.56 -2.64	47.19 -4.67 0.00	52.32 -4.74 0.00	62.88 -7.69 0.00	72.08 -10.68 0.02	73.48 -10.89 0.67	72.13 -10.73 0.28	70.78 -10.92 4.28	70.48 -9.52 -1.30	60.59 -7.28 -1.72	54.97 -6.02 -0.77	51.56 -5.33 -0.77	53.00 -5.85 -0.38	54.79 -5.22 -0.65	62.78 -6.74 0.65	63.59 -6.74 1.38	49.97 -5.62 1.18	57.19 -5.73 -0.61	53.78 -5.15 -0.39	51.42 -4.47 0.00	49.45 -3.33 -0.77
NEG WEST___LANCASTER 23811	60.20 -4.39 0.00	48.14 -5.44 -2.26	45.87 -4.96 -3.56	46.87 -5.14 -3.02	49.32 -2.54 0.00	54.72 -2.34 0.00	66.05 -4.52 0.00	78.62 -4.14 0.02	80.16 -4.25 0.63	78.16 -4.66 0.33	78.00 -4.56 3.42	76.46 -3.78 -1.53	64.36 -3.77 -1.98	57.41 -3.67 -0.86	53.29 -3.65 -0.82	56.24 -2.63 -0.41	57.21 -2.85 -0.70	66.98 -2.32 0.86	67.85 -2.22 1.63	53.37 -1.99 1.41	59.81 -3.18 -0.68	53.47 -5.50 -0.43	53.38 -2.52 0.00	48.52 -4.37 -0.88
NEG_PENN_ALLEGHNY 23528	65.63 -0.39 -1.42	55.85 -0.36 -4.90	53.57 -0.33 -6.63	53.88 -0.34 -5.23	51.96 0.10 0.00	57.29 0.23 0.00	70.36 -0.21 0.00	82.45 -0.33 0.00	84.79 -0.25 0.00	82.78 -0.50 -0.14	86.73 -0.09 -0.84	83.22 0.08 -4.43	69.88 0.00 -3.73	63.46 -0.06 -3.30	60.77 -0.06 -4.71	61.02 0.18 -2.39	63.68 0.30 -4.02	75.86 0.63 -5.07	79.53 0.72 -7.11	66.76 0.45 -9.54	65.54 0.38 -2.86	60.73 0.00 -2.19	56.28 0.39 0.00	53.64 0.10 -1.52
NEG___GEN_MONROE 24207	60.84 -3.75 0.00	51.06 -1.95 -1.70	48.09 -1.84 -2.67	49.39 -1.86 -2.26	49.68 -2.18 0.00	54.89 -2.17 0.00	66.69 -3.88 0.00	76.82 -5.96 0.00	79.00 -5.95 0.09	76.85 -6.24 0.05	79.32 -6.19 0.47	74.81 -5.59 -1.69	63.24 -4.37 -1.46	57.92 -3.55 -1.25	54.62 -3.26 -1.75	55.84 -3.51 -0.89	57.78 -3.09 -1.50	67.79 -4.00 -1.63	70.09 -3.80 -2.19	56.48 -3.29 -3.00	60.02 -3.36 -1.08	56.67 -2.69 -0.82	53.26 -2.63 0.00	51.21 -1.46 -0.66



NEPA__ENERGY 23901	59.36 -5.23 0.00	49.41 -4.05 -2.16	46.97 -3.69 -3.39	48.00 -3.87 -2.87	48.49 -3.37 0.00	53.92 -3.14 0.00	64.99 -5.57 0.00	75.30 -7.45 0.03	76.69 -7.57 0.78	74.84 -7.90 0.41	73.93 -7.82 4.23	73.13 -6.77 -1.19	62.53 -5.49 -1.87	56.00 -4.76 -0.53	51.87 -4.49 -0.24	54.19 -4.38 -0.11	55.35 -4.21 -0.20	63.33 -4.91 1.91	63.73 -4.80 3.17	49.46 -4.03 3.28	58.32 -4.36 -0.37	54.21 -4.51 -0.18	52.59 -3.30 0.00	49.88 -2.96 -0.83
NEVERSink__HYD 23608	71.17 3.29 -3.29	66.92 2.72 -12.89	67.43 2.36 -17.79	65.66 2.50 -14.17	54.86 3.01 0.00	60.25 3.19 0.00	74.59 4.02 0.00	87.08 4.30 0.00	89.46 4.42 0.00	87.78 4.32 -0.32	92.80 4.90 -1.93	94.88 4.72 -11.45	79.22 3.90 -9.17	72.52 3.55 -8.74	72.12 3.31 -12.68	68.58 3.69 -6.43	74.13 3.86 -10.91	88.62 4.70 -13.76	95.68 4.73 -19.25	85.89 3.69 -25.43	74.11 4.18 -7.62	68.28 3.80 -5.93	59.58 3.69 0.00	59.15 3.02 -4.11
NEWKRMKL_115KV_TB1 55635	87.08 2.78 -19.71	81.50 2.31 -27.88	78.44 2.13 -29.04	70.35 2.20 -19.15	54.24 2.39 0.00	59.57 2.51 0.00	73.46 2.89 0.00	86.09 3.31 0.00	88.53 3.49 0.00	88.62 3.58 -1.91	101.41 3.87 -11.56	106.71 3.78 -24.22	97.08 3.11 -27.82	77.69 2.95 -14.52	76.12 2.75 -17.25	69.84 2.63 -8.75	76.72 2.61 -14.75	91.71 2.95 -18.60	100.73 3.01 -26.02	99.91 2.38 -40.76	77.46 2.74 -12.41	69.08 2.52 -8.02	58.35 2.46 0.00	59.92 2.34 -5.56
NEWTON__FALLS_HYD 23847	64.52 -0.06 0.00	51.47 -0.21 -0.37	47.52 -0.33 -0.58	49.14 -0.34 -0.49	51.39 -0.47 0.00	56.66 -0.40 0.00	70.36 -0.21 0.00	82.53 -0.25 0.00	84.19 -0.85 0.00	82.39 -0.75 0.00	85.55 -0.43 0.00	78.53 -0.39 -0.22	65.95 -0.20 0.00	60.21 -0.24 -0.23	56.24 -0.28 -0.40	58.08 -0.58 -0.20	57.29 -1.07 1.00	69.43 -1.12 -0.39	70.96 -1.08 -0.33	56.53 -0.85 -0.61	61.49 -1.00 -0.18	57.77 -0.94 -0.17	55.16 -0.73 0.00	51.53 -0.62 -0.14
NGRID_A1_DSASP 323792	57.68 -6.91 0.00	48.86 -4.46 -2.01	46.37 -4.07 -3.16	47.46 -4.21 -2.68	47.35 -4.51 0.00	52.49 -4.57 0.00	62.52 -8.05 0.00	71.42 -11.34 0.02	72.84 -11.65 0.55	71.05 -11.81 0.29	71.99 -11.01 2.99	69.45 -10.63 -1.37	59.43 -8.47 -1.74	53.96 -7.05 -0.78	50.81 -6.06 -0.75	51.94 -6.90 -0.38	54.00 -5.99 -0.64	61.70 -7.72 0.74	62.51 -7.81 1.38	49.01 -6.58 1.17	56.31 -6.61 -0.61	53.49 -5.44 -0.39	50.47 -5.42 0.00	49.00 -3.79 -0.78
NGRID_A2_DSASP 323793	57.68 -6.91 0.00	48.86 -4.46 -2.01	46.37 -4.07 -3.16	47.46 -4.21 -2.68	47.35 -4.51 0.00	52.49 -4.57 0.00	62.52 -8.05 0.00	71.42 -11.34 0.02	72.84 -11.65 0.55	71.05 -11.81 0.29	71.99 -11.01 2.99	69.45 -10.63 -1.37	59.43 -8.47 -1.74	53.96 -7.05 -0.78	50.81 -6.06 -0.75	51.94 -6.90 -0.38	54.00 -5.99 -0.64	61.70 -7.72 0.74	62.51 -7.81 1.38	49.01 -6.58 1.17	56.31 -6.61 -0.61	53.49 -5.44 -0.39	50.47 -5.42 0.00	49.00 -3.79 -0.78
NGRID_A4_DSASP 323807	57.68 -6.91 0.00	48.86 -4.46 -2.01	46.37 -4.07 -3.16	47.46 -4.21 -2.68	47.35 -4.51 0.00	52.49 -4.57 0.00	62.52 -8.05 0.00	71.42 -11.34 0.02	72.84 -11.65 0.55	71.05 -11.81 0.29	71.99 -11.01 2.99	69.45 -10.63 -1.37	59.43 -8.47 -1.74	53.96 -7.05 -0.78	50.81 -6.06 -0.75	51.94 -6.90 -0.38	54.00 -5.99 -0.64	61.70 -7.72 0.74	62.51 -7.81 1.38	49.01 -6.58 1.17	56.31 -6.61 -0.61	53.49 -5.44 -0.39	50.47 -5.42 0.00	49.00 -3.79 -0.78
NIAGARA_115E_LBMP 323715	57.03 -7.56 0.00	48.20 -5.13 -2.02	45.76 -4.68 -3.17	46.88 -4.80 -2.69	46.78 -5.08 0.00	51.92 -5.14 0.00	62.24 -8.33 0.00	71.26 -11.50 0.02	72.76 -11.74 0.55	71.71 -11.14 0.29	71.39 -11.69 2.90	70.08 -10.00 -1.37	59.23 -8.66 -1.75	53.89 -7.11 -0.78	50.97 -5.95 -0.80	52.95 -5.90 -0.39	54.10 -5.94 -0.67	61.70 -7.86 0.61	62.23 -8.10 1.37	49.02 -6.58 1.17	56.27 -6.67 -0.62	53.66 -5.27 -0.39	50.42 -5.48 0.00	48.63 -4.16 -0.78
NIAGARA_115W_LBMP 323714	57.61 -6.98 0.00	48.81 -4.52 -2.01	46.32 -4.11 -3.16	47.41 -4.26 -2.68	47.29 -4.56 0.00	52.44 -4.62 0.00	62.45 -8.11 0.00	71.26 -11.50 0.02	72.76 -11.74 0.55	70.88 -11.97 0.28	71.92 -11.09 2.97	69.37 -10.70 -1.37	59.29 -8.60 -1.74	53.90 -7.11 -0.79	50.82 -6.06 -0.76	51.89 -6.96 -0.38	54.01 -5.99 -0.64	61.65 -7.79 0.72	62.44 -7.89 1.37	48.96 -6.64 1.17	56.26 -6.67 -0.61	53.50 -5.44 -0.40	50.42 -5.48 0.00	48.89 -3.90 -0.78
NIAGARA_230_LBMP 323716	57.87 -6.72 0.00	48.94 -4.36 -1.99	46.43 -3.97 -3.13	47.53 -4.12 -2.65	47.55 -4.30 0.00	52.67 -4.39 0.00	63.23 -7.34 0.00	72.33 -10.43 0.02	73.80 -10.72 0.53	71.98 -10.89 0.27	72.18 -10.92 2.88	70.41 -9.68 -1.39	60.00 -7.87 -1.72	54.60 -6.44 -0.82	50.94 -6.00 -0.82	52.62 -6.25 -0.41	54.12 -5.94 -0.69	61.93 -7.65 0.59	62.61 -7.75 1.35	49.21 -6.41 1.15	56.35 -6.61 -0.64	53.53 -5.44 -0.43	50.97 -4.92 0.00	49.20 -3.59 -0.77
NIAGARA__115KV_198_GIBSON 55903	57.61 -6.98 0.00	48.81 -4.52 -2.01	46.32 -4.11 -3.16	47.41 -4.26 -2.68	47.29 -4.56 0.00	52.38 -4.68 0.00	62.45 -8.12 0.00	71.25 -11.51 0.02	72.76 -11.74 0.55	70.88 -11.97 0.28	71.92 -11.09 2.97	69.37 -10.70 -1.37	59.36 -8.53 -1.74	53.90 -7.11 -0.78	50.76 -6.12 -0.76	51.83 -7.02 -0.38	53.89 -6.11 -0.65	61.66 -7.79 0.71	62.45 -7.89 1.36	48.97 -6.64 1.15	56.26 -6.67 -0.62	52.80 -6.15 -0.40	50.41 -5.48 0.00	48.89 -3.90 -0.78
NIAGARA____ 23760	57.87 -6.72 0.00	48.96 -4.36 -2.02	46.47 -3.97 -3.17	47.56 -4.12 -2.69	47.55 -4.30 0.00	52.67 -4.39 0.00	63.23 -7.34 0.00	72.33 -10.43 0.02	73.79 -10.72 0.54	71.98 -10.89 0.28	72.17 -10.92 2.88	70.41 -9.68 -1.38	60.02 -7.87 -1.74	54.57 -6.44 -0.79	50.94 -6.00 -0.82	52.60 -6.25 -0.40	54.12 -5.94 -0.69	61.92 -7.65 0.59	62.60 -7.75 1.35	49.20 -6.41 1.15	56.34 -6.61 -0.64	53.51 -5.44 -0.41	50.97 -4.92 0.00	49.21 -3.59 -0.78
NINE_MILE_1 23575	61.81 -2.78 0.00	50.31 -1.95 -0.95	46.96 -1.80 -1.49	48.39 -1.86 -1.26	49.89 -1.97 0.00	54.95 -2.11 0.00	67.67 -2.90 0.00	79.06 -3.72 0.00	81.30 -3.74 0.00	79.40 -3.74 0.00	82.28 -3.69 0.00	76.04 -3.23 -0.56	63.50 -2.65 0.00	58.52 -2.35 -0.65	55.13 -2.13 -1.14	56.82 -2.22 -0.58	58.20 -2.13 -0.97	68.79 -2.59 -1.23	70.91 -2.51 -1.72	56.60 -2.10 -1.93	60.64 -2.24 -0.57	57.02 -2.05 -0.53	53.93 -1.96 0.00	50.67 -1.72 -0.37
NINE_MILE_2 23744	61.81 -2.78 0.00	50.31 -1.95 -0.95	46.96 -1.80 -1.49	48.39 -1.86 -1.26	49.89 -1.97 0.00	54.95 -2.11 0.00	67.67 -2.90 0.00	79.06 -3.72 0.00	81.30 -3.74 0.00	79.40 -3.74 0.00	82.28 -3.69 0.00	76.04 -3.23 -0.56	63.50 -2.65 0.00	58.52 -2.35 -0.64	55.13 -2.13 -1.14	56.82 -2.22 -0.58	58.20 -2.13 -0.97	68.79 -2.59 -1.22	70.90 -2.51 -1.71	56.59 -2.10 -1.92	60.64 -2.24 -0.57	57.02 -2.05 -0.53	53.93 -1.96 0.00	50.67 -1.72 -0.37
NM_CAPITAL__DRP 24208	86.54 2.84 -19.11	81.09 2.36 -27.42	78.22 2.17 -28.78	70.29 2.20 -19.09	54.24 2.39 0.00	59.57 2.51 0.00	73.53 2.96 0.00	86.09 3.31 0.00	88.61 3.57 0.00	88.57 3.58 -1.85	101.05 3.87 -11.21	106.33 3.78 -23.84	96.45 3.11 -27.19	77.55 2.95 -14.38	76.06 2.75 -17.19	69.87 2.69 -8.72	76.74 2.67 -14.70	91.79 3.09 -18.55	100.73 3.08 -25.94	99.67 2.50 -40.41	77.41 2.80 -12.30	69.11 2.58 -8.00	58.41 2.52 0.00	59.95 2.39 -5.54



NM_CENTRAL___DRP 24181	62.91 -1.68 0.00	51.50 -1.08 -1.27	48.27 -0.99 -1.99	49.65 -1.03 -1.69	50.82 -1.04 0.00	55.97 -1.08 0.00	68.94 -1.62 0.00	80.55 -2.24 0.00	82.83 -2.21 0.00	80.81 -2.33 0.00	84.00 -1.98 0.00	77.73 -1.73 -0.75	64.83 -1.32 0.00	59.88 -1.20 -0.86	56.52 -1.12 -1.53	58.18 -1.05 -0.77	59.72 -0.95 -1.31	70.69 -1.12 -1.65	73.01 -1.00 -2.31	58.40 -0.97 -2.60	62.08 -1.00 -0.76	58.38 -0.88 -0.71	55.05 -0.84 0.00	51.83 -0.68 -0.49
NM_FRONTIER___DRP 24179	57.61 -6.98 0.00	48.81 -4.52 -2.01	46.32 -4.11 -3.16	47.41 -4.26 -2.68	47.29 -4.56 0.00	52.38 -4.68 0.00	62.45 -8.12 0.00	71.25 -11.51 0.02	72.76 -11.74 0.55	70.88 -11.97 0.28	71.92 -11.09 2.97	69.37 -10.70 -1.37	59.36 -8.53 -1.74	53.90 -7.11 -0.78	50.76 -6.12 -0.76	51.83 -7.02 -0.38	53.89 -6.11 -0.65	61.66 -7.79 0.71	62.45 -7.89 1.36	48.97 -6.64 1.15	56.26 -6.67 -0.62	52.80 -6.15 -0.40	50.41 -5.48 0.00	48.89 -3.90 -0.78
NM_ST_REGIS___HYD 24053	64.65 0.06 0.00	51.00 -0.31 0.00	46.94 -0.33 0.00	48.60 -0.39 0.00	51.24 -0.62 0.00	56.54 -0.51 0.00	70.43 -0.14 0.00	82.37 -0.41 0.00	84.02 -1.02 0.00	82.23 -0.91 0.00	84.95 -1.03 0.00	77.60 -1.10 0.00	65.22 -0.93 0.00	59.14 -1.08 0.00	55.00 -1.12 0.00	56.71 -1.75 0.00	55.05 -2.26 2.05	67.63 -2.53 0.00	68.79 -2.58 0.33	54.84 -1.93 0.00	60.07 -2.24 0.00	56.55 -1.99 0.00	54.27 -1.62 0.00	50.77 -1.25 0.00
NORTHPORT___1 23551	117.71 5.75 -47.37	84.00 4.82 -27.87	82.68 4.26 -31.15	78.77 4.50 -25.28	78.80 5.03 -21.91	78.45 5.53 -15.86	130.50 6.78 -53.15	150.96 8.28 -59.90	154.15 8.50 -60.61	154.01 8.23 -62.64	170.56 8.17 -76.41	145.77 7.95 -59.11	136.59 6.55 -63.89	131.12 6.15 -64.76	130.79 5.73 -68.94	145.50 6.14 -80.90	142.90 6.17 -77.36	155.13 7.58 -77.39	154.97 7.68 -75.59	145.43 6.01 -82.64	138.40 6.60 -69.49	119.62 6.15 -54.94	115.54 6.04 -53.61	107.86 5.20 -50.64
NORTHPORT___2 23552	117.71 5.75 -47.37	84.00 4.82 -27.87	82.68 4.26 -31.15	78.77 4.50 -25.28	78.80 5.03 -21.91	78.45 5.53 -15.86	130.50 6.78 -53.15	150.96 8.28 -59.90	154.15 8.50 -60.61	154.01 8.23 -62.64	170.56 8.17 -76.41	145.77 7.95 -59.11	136.59 6.55 -63.89	131.12 6.15 -64.76	130.79 5.73 -68.94	145.50 6.14 -80.90	142.90 6.17 -77.36	155.13 7.58 -77.39	154.97 7.68 -75.59	145.43 6.01 -82.64	138.40 6.60 -69.49	119.62 6.15 -54.94	115.54 6.04 -53.61	107.86 5.20 -50.64
NORTHPORT___3 23553	116.29 4.33 -47.37	82.77 3.59 -27.87	81.54 3.12 -31.15	77.60 3.33 -25.28	77.51 3.74 -21.91	77.03 4.11 -15.86	128.81 5.08 -53.15	148.65 5.96 -59.90	151.26 5.61 -60.61	151.26 5.49 -62.63	168.74 6.36 -76.40	144.12 6.30 -59.11	135.53 5.49 -63.89	129.97 5.00 -64.76	129.72 4.66 -68.94	144.27 4.91 -80.90	141.83 5.11 -77.36	152.95 5.40 -77.39	152.95 5.66 -75.58	144.12 4.71 -82.64	137.16 5.36 -69.49	118.40 4.92 -54.94	114.25 4.75 -53.61	106.66 4.01 -50.64
NORTHPORT___4 23650	116.29 4.33 -47.37	82.77 3.59 -27.87	81.54 3.12 -31.15	77.60 3.33 -25.28	77.51 3.74 -21.91	77.03 4.11 -15.86	128.81 5.08 -53.15	148.65 5.96 -59.90	151.26 5.61 -60.61	151.26 5.49 -62.63	168.74 6.36 -76.40	144.12 6.30 -59.11	135.53 5.49 -63.89	129.97 5.00 -64.76	129.72 4.66 -68.94	144.27 4.91 -80.90	141.83 5.11 -77.36	152.95 5.40 -77.39	152.95 5.66 -75.58	144.12 4.71 -82.64	137.16 5.36 -69.49	118.40 4.92 -54.94	114.25 4.75 -53.61	106.66 4.01 -50.64
NORTHPORT___IC 23718	117.71 5.75 -47.37	84.00 4.82 -27.87	82.68 4.25 -31.15	78.78 4.51 -25.28	78.80 5.03 -21.91	78.45 5.53 -15.86	130.50 6.77 -53.15	150.96 8.28 -59.90	154.15 8.50 -60.61	154.01 8.23 -62.64	170.55 8.17 -76.41	145.77 7.95 -59.11	136.66 6.61 -63.89	131.18 6.20 -64.76	130.90 5.84 -68.94	145.62 6.26 -80.90	142.90 6.17 -77.36	155.13 7.58 -77.39	154.97 7.67 -75.59	145.43 6.02 -82.65	138.40 6.61 -69.49	119.68 6.21 -54.94	115.54 6.04 -53.61	107.86 5.20 -50.64
NORTH___COUNTRY_ESR 323785	63.62 -0.97 0.00	50.23 -1.08 0.00	46.19 -1.09 0.00	47.87 -1.12 0.00	50.51 -1.35 0.00	55.63 -1.42 0.00	69.16 -1.41 0.00	81.45 -1.33 0.00	83.68 -1.36 0.00	81.98 -1.16 0.00	84.09 -1.89 0.00	76.59 -2.12 0.00	64.10 -2.05 0.00	58.06 -2.17 0.00	53.77 -2.35 0.00	55.54 -2.92 0.00	53.65 -3.26 2.45	66.44 -3.72 0.00	67.50 -3.80 0.40	53.87 -2.89 0.00	59.01 -3.30 0.00	55.50 -3.05 0.00	52.82 -3.07 0.00	49.57 -2.44 0.00
NPX_GEN_1385_PROXY 323591	119.00 7.04 -47.37	113.00 6.26 -55.43	108.00 5.58 -55.15	108.00 5.88 -53.13	108.00 6.53 -49.61	123.00 7.13 -58.81	136.50 8.75 -57.18	153.28 10.60 -59.90	156.19 10.54 -60.61	157.44 9.64 -64.66	168.70 8.34 -74.38	146.08 8.26 -59.11	136.66 6.61 -63.89	131.78 6.80 -64.76	131.40 6.34 -68.94	145.50 6.14 -80.90	143.01 6.29 -77.36	156.03 8.49 -77.39	155.25 7.96 -75.59	146.05 6.64 -82.64	139.21 7.41 -69.49	120.50 7.02 -54.94	116.60 7.10 -53.61	109.00 6.34 -50.64
NPX_GEN_CSC 323557	118.03 6.07 -47.37	84.11 4.93 -27.87	82.77 4.35 -31.15	78.93 4.66 -25.28	78.96 5.19 -21.91	78.51 5.59 -15.86	130.64 6.92 -53.15	151.37 8.69 -59.90	154.70 9.01 -60.65	156.57 8.73 -64.70	169.59 9.11 -74.51	145.45 7.63 -59.11	136.13 6.08 -63.89	130.58 5.60 -64.76	130.62 5.56 -68.94	145.85 6.49 -80.90	142.78 6.06 -77.36	155.06 7.51 -77.39	155.51 8.10 -75.71	145.31 5.90 -82.64	138.53 6.73 -69.49	119.62 6.15 -54.94	115.76 6.26 -53.61	108.02 5.36 -50.64
NSINS_S___GLNS_FALLS 23858	103.05 5.68 -32.78	93.15 4.62 -37.23	85.52 4.30 -33.95	73.09 4.41 -19.69	56.73 4.87 0.00	62.54 5.48 0.00	77.20 6.63 0.00	90.81 8.03 0.00	93.38 8.33 0.00	94.63 8.31 -3.18	114.06 8.86 -19.22	118.53 8.03 -31.80	113.61 6.61 -40.84	83.19 5.96 -17.01	79.38 5.56 -17.70	73.40 5.96 -8.98	80.62 6.11 -15.14	96.62 7.37 -19.10	105.87 7.46 -26.71	109.59 5.90 -46.92	83.15 6.42 -14.42	72.81 6.03 -8.23	61.70 5.81 0.00	62.82 5.10 -5.71
NUCOR_STEEL___DRP 24197	63.68 -0.90 0.00	52.56 -0.41 -1.66	49.45 -0.43 -2.60	50.76 -0.44 -2.21	51.50 -0.36 0.00	56.77 -0.29 0.00	69.79 -0.78 0.00	81.54 -1.24 0.00	83.85 -1.19 0.00	81.73 -1.41 0.00	84.95 -1.03 0.00	79.64 -0.87 -1.80	66.93 -0.66 -1.44	60.99 -0.60 -1.37	57.61 -0.51 -1.99	59.06 -0.41 -1.01	60.89 -0.18 -1.71	72.17 -0.14 -2.15	74.79 0.07 -3.01	60.64 -0.11 -3.99	63.44 -0.06 -1.19	59.41 -0.06 -0.93	55.83 -0.06 0.00	52.66 0.00 -0.64
NUMBER_THREE_WT_PWR 323818	65.10 0.51 0.00	52.21 0.41 -0.49	48.29 0.24 -0.78	49.90 0.25 -0.66	52.07 0.21 0.00	57.40 0.34 0.00	71.20 0.63 0.00	83.78 1.00 0.00	85.64 0.60 0.00	83.73 0.59 0.00	87.01 1.04 0.00	80.00 1.02 -0.27	67.20 1.06 0.00	61.53 1.02 -0.28	57.47 0.84 -0.50	59.65 0.93 -0.26	60.02 0.65 -0.01	71.64 0.84 -0.64	73.52 1.00 -0.81	58.46 0.68 -1.01	63.36 0.75 -0.30	59.34 0.53 -0.28	56.34 0.45 0.00	52.52 0.31 -0.19
NYISO_LBMP_REFERENCE 24008	64.59 0.00 0.00	51.31 0.00 0.00	47.27 0.00 0.00	48.99 0.00 0.00	51.86 0.00 0.00	57.06 0.00 0.00	70.57 0.00 0.00	82.78 0.00 0.00	85.04 0.00 0.00	83.14 0.00 0.00	85.98 0.00 0.00	78.71 0.00 0.00	66.15 0.00 0.00	60.22 0.00 0.00	56.12 0.00 0.00	58.46 0.00 0.00	59.36 0.00 0.00	70.16 0.00 0.00	71.70 0.00 0.00	56.77 0.00 0.00	62.31 0.00 0.00	58.54 0.00 0.00	55.89 0.00 0.00	52.01 0.00 0.00



NYPA_BRENTWD____GT 24164	118.42 6.46 -47.37	84.47 5.29 -27.87	83.10 4.68 -31.15	79.22 4.95 -25.28	79.32 5.55 -21.91	78.96 6.05 -15.86	131.20 7.48 -53.15	151.95 9.27 -59.90	154.42 8.76 -60.61	154.26 8.48 -62.64	170.91 8.51 -76.42	147.03 9.20 -59.11	137.58 7.54 -63.89	131.96 6.98 -64.76	131.57 6.51 -68.94	146.38 7.01 -80.90	143.78 7.06 -77.36	156.25 8.70 -77.39	155.26 7.96 -75.60	146.28 6.87 -82.64	139.27 7.47 -69.49	120.32 6.85 -54.94	116.15 6.65 -53.61	108.38 5.72 -50.64
NYPA_GOWANUS____GT5 24156	72.17 4.52 -3.07	68.82 3.70 -13.82	69.85 3.17 -19.41	67.98 3.38 -15.61	65.04 3.99 -9.18	66.61 4.39 -5.16	75.80 5.22 -0.01	89.00 6.21 -0.01	91.17 6.13 0.00	89.59 6.15 -0.30	94.56 6.79 -1.79	97.74 6.69 -12.35	81.34 5.62 -9.57	74.98 5.18 -9.58	74.94 4.77 -14.05	70.85 5.26 -7.12	76.65 5.28 -12.01	91.63 6.32 -15.15	140.02 6.46 -61.86	89.59 5.05 -27.77	76.11 5.48 -8.31	70.28 5.15 -6.59	69.01 5.09 -8.03	68.94 4.27 -12.66
NYPA_GOWANUS____GT6 24157	72.17 4.52 -3.07	68.82 3.70 -13.82	69.85 3.17 -19.41	67.98 3.38 -15.61	65.04 3.99 -9.18	66.61 4.39 -5.16	75.80 5.22 -0.01	89.00 6.21 -0.01	91.17 6.13 0.00	89.59 6.15 -0.30	94.56 6.79 -1.79	97.74 6.69 -12.35	81.34 5.62 -9.57	74.98 5.18 -9.58	74.94 4.77 -14.05	70.85 5.26 -7.12	76.65 5.28 -12.01	91.63 6.32 -15.15	140.02 6.46 -61.86	89.59 5.05 -27.77	76.11 5.48 -8.31	70.28 5.15 -6.59	69.01 5.09 -8.03	68.94 4.27 -12.66
NYPA_HARLEM__RVR__GT1 24160	72.11 4.45 -3.07	68.82 3.70 -13.82	69.94 3.26 -19.41	68.08 3.48 -15.61	55.60 3.74 -0.01	61.12 4.05 -0.01	75.80 5.22 -0.01	89.00 6.21 -0.01	90.56 5.52 0.01	88.91 5.49 -0.29	93.87 6.11 -1.79	97.02 5.98 -12.34	80.80 5.09 -9.56	74.43 4.64 -9.57	74.48 4.32 -14.04	70.26 4.68 -7.12	76.05 4.69 -12.00	90.92 5.61 -15.14	98.64 5.74 -21.20	89.02 4.48 -27.77	75.48 4.86 -8.31	69.58 4.51 -6.53	60.48 4.58 -0.01	60.40 3.85 -4.54
NYPA_HARLEM__RVR__GT2 24161	72.11 4.45 -3.07	68.82 3.70 -13.82	69.94 3.26 -19.41	68.08 3.48 -15.61	55.60 3.74 -0.01	61.12 4.05 -0.01	75.80 5.22 -0.01	89.00 6.21 -0.01	90.56 5.52 0.01	88.91 5.49 -0.29	93.87 6.11 -1.79	97.02 5.98 -12.34	80.80 5.09 -9.56	74.43 4.64 -9.57	74.48 4.32 -14.04	70.26 4.68 -7.12	76.05 4.69 -12.00	90.92 5.61 -15.14	98.64 5.74 -21.20	89.02 4.48 -27.77	75.48 4.86 -8.31	69.58 4.51 -6.53	60.48 4.58 -0.01	60.40 3.85 -4.54
NYPA_KENT____GT 24152	71.98 4.33 -3.07	68.67 3.54 -13.82	69.75 3.07 -19.41	67.89 3.28 -15.61	60.96 3.84 -5.26	64.24 4.22 -2.96	75.66 5.08 -0.01	88.83 6.04 -0.01	90.99 5.95 0.00	89.43 5.99 -0.30	94.39 6.62 -1.79	97.51 6.46 -12.35	81.21 5.49 -9.57	74.80 5.00 -9.58	74.82 4.66 -14.05	70.67 5.08 -7.12	76.48 5.11 -12.01	91.41 6.10 -15.15	123.14 6.23 -45.20	89.37 4.82 -27.77	75.92 5.29 -8.31	70.08 4.97 -6.56	65.35 4.86 -4.60	65.31 4.11 -9.19
NYPA_POUCH1____GT 24155	72.05 4.39 -3.07	68.72 3.59 -13.82	69.80 3.12 -19.41	67.94 3.33 -15.61	65.09 4.05 -9.18	66.61 4.39 -5.16	75.59 5.01 -0.01	88.75 5.96 -0.01	90.91 5.86 0.00	89.25 5.82 -0.30	94.22 6.45 -1.79	97.43 6.37 -12.35	81.07 5.36 -9.57	74.74 4.94 -9.58	74.71 4.54 -14.05	70.67 5.08 -7.12	76.42 5.04 -12.01	91.41 6.10 -15.15	139.80 6.23 -61.86	89.43 4.88 -27.77	75.92 5.29 -8.31	70.10 4.97 -6.59	68.90 4.97 -8.03	68.94 4.27 -12.66
NYPA_VERNON____GT2 24162	71.85 4.20 -3.07	68.57 3.44 -13.82	69.66 2.98 -19.41	67.79 3.18 -15.61	56.83 3.63 -1.34	61.81 3.99 -0.76	75.51 4.94 -0.01	88.75 5.96 -0.01	90.91 5.86 0.00	89.34 5.90 -0.30	94.22 6.45 -1.79	97.43 6.37 -12.35	81.07 5.36 -9.57	74.68 4.88 -9.58	74.71 4.54 -14.05	70.50 4.91 -7.12	76.36 4.99 -12.01	91.27 5.96 -15.15	106.27 6.02 -28.54	89.25 4.71 -27.77	75.74 5.11 -8.31	69.88 4.80 -6.54	61.76 4.70 -1.18	61.68 3.95 -5.72
NYPA_VERNON____GT3 24163	71.85 4.20 -3.07	68.57 3.44 -13.82	69.66 2.98 -19.41	67.79 3.18 -15.61	56.83 3.63 -1.34	61.81 3.99 -0.76	75.51 4.94 -0.01	88.75 5.96 -0.01	90.91 5.86 0.00	89.34 5.90 -0.30	94.22 6.45 -1.79	97.43 6.37 -12.35	81.07 5.36 -9.57	74.68 4.88 -9.58	74.71 4.54 -14.05	70.50 4.91 -7.12	76.36 4.99 -12.01	91.27 5.96 -15.15	106.27 6.02 -28.54	89.25 4.71 -27.77	75.74 5.11 -8.31	69.88 4.80 -6.54	61.76 4.70 -1.18	61.68 3.95 -5.72
NYPA__ASTORIA_CC1 323568	71.79 4.14 -3.07	68.57 3.44 -13.82	69.66 2.98 -19.41	67.79 3.18 -15.61	55.49 3.63 -0.01	61.00 3.93 -0.01	75.44 4.87 -0.01	88.67 5.88 -0.01	90.83 5.79 0.00	89.25 5.82 -0.30	94.13 6.36 -1.79	97.35 6.30 -12.35	81.01 5.29 -9.57	74.62 4.82 -9.58	74.60 4.43 -14.05	70.43 4.85 -7.12	76.24 4.87 -12.01	91.13 5.82 -15.15	100.30 5.95 -22.65	89.20 4.66 -27.77	75.67 5.05 -8.31	69.76 4.69 -6.53	60.53 4.64 -0.01	60.46 3.90 -4.54
NYPA__ASTORIA_CC2 323569	71.79 4.14 -3.07	68.57 3.44 -13.82	69.66 2.98 -19.41	67.79 3.18 -15.61	55.49 3.63 -0.01	61.00 3.93 -0.01	75.44 4.87 -0.01	88.67 5.88 -0.01	90.83 5.79 0.00	89.25 5.82 -0.30	94.13 6.36 -1.79	97.35 6.30 -12.35	81.01 5.29 -9.57	74.62 4.82 -9.58	74.60 4.43 -14.05	70.43 4.85 -7.12	76.24 4.87 -12.01	91.13 5.82 -15.15	100.30 5.95 -22.65	89.20 4.66 -27.77	75.67 5.05 -8.31	69.76 4.69 -6.53	60.53 4.64 -0.01	60.46 3.90 -4.54
NYPA__HOLTSVILL 23794	117.64 5.69 -47.37	83.85 4.67 -27.87	82.53 4.11 -31.15	78.68 4.41 -25.28	78.70 4.93 -21.91	78.28 5.36 -15.86	130.29 6.56 -53.15	150.88 8.20 -59.90	154.11 8.42 -60.65	154.05 8.23 -62.68	171.02 8.51 -76.53	145.69 7.87 -59.11	136.39 6.35 -63.89	130.88 5.91 -64.76	130.67 5.61 -68.94	145.56 6.19 -80.90	142.90 6.17 -77.36	155.13 7.58 -77.39	155.23 7.82 -75.71	145.43 6.01 -82.64	138.40 6.60 -69.49	119.57 6.09 -54.94	115.48 5.98 -53.61	107.76 5.10 -50.64
NYPA__HELLGATE_GT1 24158	72.11 4.45 -3.07	68.82 3.70 -13.82	69.94 3.26 -19.41	68.08 3.48 -15.61	55.60 3.74 -0.01	61.12 4.05 -0.01	75.80 5.22 -0.01	89.00 6.21 -0.01	90.56 5.52 0.01	88.91 5.49 -0.29	93.87 6.11 -1.79	97.02 5.98 -12.34	80.80 5.09 -9.56	74.43 4.64 -9.57	74.48 4.32 -14.04	70.26 4.68 -7.12	76.05 4.69 -12.00	90.92 5.61 -15.14	98.64 5.74 -21.20	89.02 4.48 -27.77	75.48 4.86 -8.31	69.58 4.51 -6.53	60.48 4.58 -0.01	60.40 3.85 -4.54
NYPA__HELLGATE_GT2 24159	72.11 4.45 -3.07	68.82 3.70 -13.82	69.94 3.26 -19.41	68.08 3.48 -15.61	55.60 3.74 -0.01	61.12 4.05 -0.01	75.80 5.22 -0.01	89.00 6.21 -0.01	90.56 5.52 0.01	88.91 5.49 -0.29	93.87 6.11 -1.79	97.02 5.98 -12.34	80.80 5.09 -9.56	74.43 4.64 -9.57	74.48 4.32 -14.04	70.26 4.68 -7.12	76.05 4.69 -12.00	90.92 5.61 -15.14	98.64 5.74 -21.20	89.02 4.48 -27.77	75.48 4.86 -8.31	69.58 4.51 -6.53	60.48 4.58 -0.01	60.40 3.85 -4.54
NYS_BARGE__HYD 23848	57.74 -6.85 0.00	48.66 -4.62 -1.97	46.11 -4.25 -3.09	47.26 -4.36 -2.62	47.35 -4.51 0.00	52.55 -4.51 0.00	63.09 -7.48 0.00	72.41 -10.35 0.02	74.02 -10.55 0.48	72.56 -10.31 0.26	72.97 -10.58 2.43	70.98 -9.13 -1.40	60.51 -7.34 -1.70	55.08 -5.96 -0.82	51.82 -5.16 -0.86	53.75 -5.15 -0.43	55.10 -4.99 -0.73	63.11 -6.60 0.45	64.04 -6.60 1.07	50.45 -5.51 0.81	57.36 -5.61 -0.65	54.41 -4.57 -0.43	51.47 -4.42 0.00	49.50 -3.28 -0.76



OAK ORCHARD___HYD 24046	60.78 -3.81 0.00	50.94 -2.05 -1.68	48.02 -1.89 -2.65	49.32 -1.91 -2.24	49.58 -2.28 0.00	54.77 -2.28 0.00	66.69 -3.88 0.00	77.07 -5.71 0.00	79.26 -5.79 0.00	77.15 -5.99 0.00	80.16 -5.85 -0.03	75.41 -5.11 -1.82	63.56 -4.04 -1.45	58.42 -3.19 -1.39	55.12 -3.03 -2.03	56.39 -3.10 -1.03	58.30 -2.79 -1.73	68.62 -3.72 -2.18	71.16 -3.58 -3.04	57.66 -3.12 -4.02	60.34 -3.18 -1.21	57.20 -2.28 -0.94	53.54 -2.35 0.00	51.31 -1.35 -0.65
OAKDALE___35_KV_LOAD 356122	65.36 -0.71 -1.48	55.60 -0.62 -4.91	53.31 -0.57 -6.61	53.60 -0.59 -5.19	51.70 -0.16 0.00	57.00 -0.06 0.00	70.07 -0.49 0.00	82.04 -0.75 0.00	84.28 -0.77 0.00	82.37 -0.91 -0.14	86.24 -0.60 -0.87	82.76 -0.39 -4.45	69.54 -0.40 -3.78	63.15 -0.36 -3.29	60.46 -0.34 -4.68	60.72 -0.12 -2.37	63.36 0.00 -4.00	75.42 0.21 -5.05	79.06 0.29 -7.08	66.40 0.11 -9.52	65.22 0.06 -2.85	60.42 -0.29 -2.18	56.00 0.11 0.00	53.37 -0.16 -1.51
OCC_CHEM___DRP 24175	57.68 -6.91 0.00	48.86 -4.46 -2.01	46.37 -4.07 -3.16	47.46 -4.21 -2.68	47.35 -4.51 0.00	52.44 -4.62 0.00	62.52 -8.04 0.00	71.42 -11.34 0.02	72.84 -11.65 0.55	71.05 -11.81 0.29	71.99 -11.01 2.99	69.45 -10.63 -1.37	59.49 -8.40 -1.74	53.96 -7.05 -0.78	50.81 -6.06 -0.75	51.88 -6.96 -0.38	53.95 -6.05 -0.64	61.71 -7.72 0.73	62.52 -7.82 1.37	49.02 -6.59 1.16	56.32 -6.61 -0.61	52.85 -6.09 -0.40	50.47 -5.42 0.00	49.00 -3.80 -0.78
OH_GEN_PROXY 24063	58.00 -6.59 0.00	49.00 -4.31 -2.00	46.49 -3.92 -3.14	47.59 -4.07 -2.66	47.61 -4.25 0.00	52.72 -4.34 0.00	63.37 -7.20 0.00	72.58 -10.19 0.02	74.10 -10.46 0.48	74.36 -10.56 -1.78	70.67 -10.66 4.64	70.73 -9.45 -1.47	60.21 -7.67 -1.73	54.80 -6.32 -0.90	51.20 -5.89 -0.97	52.87 -6.08 -0.49	54.43 -5.76 -0.82	62.50 -7.37 0.29	63.29 -7.53 0.89	49.99 -6.19 0.59	56.61 -6.42 -0.72	53.65 -5.38 -0.49	51.08 -4.81 0.00	49.20 -3.59 -0.77
OLIN_CORP_DRP 24177	57.16 -7.43 0.00	48.36 -4.98 -2.03	45.92 -4.54 -3.19	46.99 -4.70 -2.70	46.93 -4.93 0.00	51.98 -5.08 0.00	62.45 -8.12 0.00	71.50 -11.26 0.02	72.92 -11.57 0.56	71.79 -11.06 0.29	71.47 -11.52 2.99	70.23 -9.84 -1.37	59.51 -8.40 -1.76	54.01 -6.99 -0.77	50.94 -5.95 -0.77	52.00 -6.84 -0.38	54.08 -5.94 -0.65	61.69 -7.79 0.68	62.32 -7.96 1.42	49.02 -6.53 1.22	56.32 -6.61 -0.61	52.96 -5.97 -0.39	50.52 -5.37 0.00	48.74 -4.06 -0.78
OLIN_CORP_DSASP 323712	57.68 -6.91 0.00	48.86 -4.46 -2.01	46.37 -4.07 -3.16	47.46 -4.21 -2.68	47.35 -4.51 0.00	52.49 -4.57 0.00	62.52 -8.05 0.00	71.42 -11.34 0.02	72.84 -11.65 0.55	71.05 -11.81 0.29	71.99 -11.01 2.99	69.45 -10.63 -1.37	59.43 -8.47 -1.74	53.96 -7.05 -0.78	50.81 -6.06 -0.75	51.94 -6.90 -0.38	54.00 -5.99 -0.64	61.70 -7.72 0.74	62.51 -7.81 1.38	49.01 -6.58 1.17	56.31 -6.61 -0.61	53.49 -5.44 -0.39	50.47 -5.42 0.00	49.00 -3.79 -0.78
ONEIDA_HERK_LFGE 323681	65.95 1.36 0.00	52.86 1.13 -0.42	48.87 0.95 -0.66	50.53 0.98 -0.56	52.89 1.04 0.00	58.26 1.20 0.00	72.19 1.62 0.00	84.77 1.98 0.00	86.91 1.87 0.00	84.97 1.83 0.00	88.30 2.32 0.00	81.15 2.20 -0.24	68.07 1.92 0.00	62.23 1.75 -0.26	58.10 1.52 -0.46	60.39 1.70 -0.23	61.25 1.60 -0.29	72.60 1.90 -0.54	74.52 2.08 -0.73	59.21 1.59 -0.85	64.25 1.68 -0.25	60.18 1.40 -0.23	57.18 1.29 0.00	53.27 1.09 -0.16
ONEIDA___115KV_TB4 55905	66.20 1.61 0.00	53.49 1.39 -0.79	49.70 1.18 -1.25	51.27 1.22 -1.06	53.26 1.40 0.00	58.71 1.65 0.00	72.61 2.05 0.00	85.18 2.40 0.00	87.42 2.38 0.00	85.38 2.24 0.00	88.81 2.84 0.00	81.77 2.60 -0.47	68.33 2.18 0.00	62.74 1.99 -0.53	58.81 1.74 -0.95	60.99 2.05 -0.48	62.18 2.02 -0.80	73.56 2.39 -1.01	75.70 2.58 -1.42	60.29 1.93 -1.60	64.84 2.06 -0.47	60.74 1.76 -0.44	57.57 1.68 0.00	53.78 1.46 -0.31
ONONDAGA_REF_OCCRA 23987	63.30 -1.29 0.00	52.05 -0.77 -1.51	48.89 -0.76 -2.38	50.22 -0.78 -2.01	51.13 -0.73 0.00	56.37 -0.68 0.00	69.44 -1.13 0.00	81.21 -1.57 0.00	83.51 -1.53 0.00	81.39 -1.75 0.00	84.60 -1.38 0.00	79.23 -1.10 -1.62	66.51 -0.93 -1.29	60.69 -0.78 -1.25	57.21 -0.73 -1.82	58.74 -0.64 -0.92	60.39 -0.53 -1.56	71.56 -0.56 -1.97	74.02 -0.43 -2.75	59.88 -0.51 -3.62	62.90 -0.50 -1.09	58.92 -0.47 -0.85	55.44 -0.45 0.00	52.24 -0.36 -0.58
ONONDAGA___COGEN 23986	63.36 -1.23 0.00	52.02 -0.72 -1.43	48.85 -0.66 -2.24	50.21 -0.69 -1.90	51.18 -0.67 0.00	56.37 -0.68 0.00	69.44 -1.13 0.00	81.13 -1.66 0.00	83.51 -1.53 0.00	81.39 -1.75 0.00	84.60 -1.38 0.00	79.13 -1.10 -1.53	66.50 -0.86 -1.21	60.62 -0.78 -1.18	57.11 -0.73 -1.72	58.69 -0.64 -0.87	60.30 -0.53 -1.47	71.46 -0.56 -1.86	73.87 -0.43 -2.60	59.68 -0.51 -3.42	62.84 -0.50 -1.03	58.93 -0.41 -0.80	55.44 -0.45 0.00	52.20 -0.36 -0.55
ONTARIO___LFGE 23819	63.04 -1.55 0.00	52.37 -0.87 -1.93	49.50 -0.80 -3.03	50.73 -0.83 -2.57	51.29 -0.57 0.00	56.72 -0.34 0.00	69.37 -1.20 0.00	80.97 -1.82 -0.01	83.61 -1.79 -0.35	81.00 -2.33 -0.18	85.74 -2.15 -1.91	79.68 -1.66 -2.63	66.54 -1.32 -1.71	61.19 -1.20 -2.17	58.39 -1.12 -3.39	59.25 -0.94 -1.72	61.66 -0.59 -2.89	74.38 -0.42 -4.64	78.22 -0.29 -6.80	64.96 -0.39 -8.58	63.80 -0.43 -1.92	59.50 -0.59 -1.54	55.67 -0.22 0.00	52.66 -0.10 -0.75
ORANGEVILLE_WT_PWR 323706	59.62 -5.75 -0.78	49.85 -4.36 -2.90	47.28 -3.97 -3.98	47.98 -4.16 -3.16	48.02 -3.84 0.00	53.35 -3.71 0.00	64.36 -6.21 0.00	74.60 -8.11 0.08	74.86 -8.16 2.02	73.69 -8.48 0.97	67.00 -8.51 10.47	70.74 -7.56 0.41	61.89 -6.29 -2.03	53.40 -5.54 1.28	47.76 -5.11 3.25	51.71 -5.09 1.67	51.81 -4.75 2.80	55.45 -5.54 9.16	51.73 -5.45 14.52	35.45 -4.54 16.77	56.04 -4.92 1.35	52.40 -4.80 1.34	52.15 -3.74 0.00	49.55 -3.38 -0.92
ORANGEVILLE___ESR 323794	59.62 -5.75 -0.78	49.85 -4.36 -2.90	47.28 -3.97 -3.98	47.98 -4.16 -3.16	48.02 -3.84 0.00	53.35 -3.71 0.00	64.36 -6.21 0.00	74.60 -8.11 0.08	74.86 -8.16 2.02	73.69 -8.48 0.97	67.00 -8.51 10.47	70.74 -7.56 0.41	61.89 -6.29 -2.03	53.40 -5.54 1.28	47.76 -5.11 3.25	51.71 -5.09 1.67	51.81 -4.75 2.80	55.45 -5.54 9.16	51.73 -5.45 14.52	35.45 -4.54 16.77	56.04 -4.92 1.35	52.40 -4.80 1.34	52.15 -3.74 0.00	49.55 -3.38 -0.92
OSWEGATCHIE___HYD 24044	64.52 -0.06 0.00	51.47 -0.20 -0.37	47.52 -0.33 -0.58	49.14 -0.34 -0.49	51.39 -0.47 0.00	56.66 -0.40 0.00	70.43 -0.14 0.00	82.53 -0.25 0.00	84.19 -0.85 0.00	82.39 -0.75 0.00	85.55 -0.43 0.00	78.51 -0.39 -0.20	65.89 -0.26 0.00	60.19 -0.24 -0.20	56.20 -0.28 -0.36	58.06 -0.58 -0.18	57.36 -1.07 0.93	69.51 -1.13 -0.48	71.08 -1.07 -0.45	56.67 -0.85 -0.75	61.53 -1.00 -0.22	57.81 -0.94 -0.21	55.16 -0.73 0.00	51.54 -0.62 -0.14
OSWEGO___5 23606	62.33 -2.26 0.00	50.78 -1.59 -1.06	47.47 -1.47 -1.67	48.89 -1.52 -1.41	50.25 -1.61 0.00	55.35 -1.71 0.00	68.17 -2.40 0.00	79.72 -3.06 0.00	81.98 -3.06 0.00	79.98 -3.16 0.00	82.97 -3.01 0.00	76.74 -2.60 -0.63	63.97 -2.18 0.00	59.02 -1.93 -0.72	55.66 -1.74 -1.28	57.36 -1.75 -0.65	58.79 -1.66 -1.09	69.49 -2.04 -1.37	71.69 -1.93 -1.92	57.28 -1.65 -2.16	61.20 -1.74 -0.63	57.56 -1.58 -0.59	54.38 -1.51 0.00	51.07 -1.35 -0.41



OSWEGO___6 23613	62.33 -2.26 0.00	50.78 -1.59 -1.06	47.47 -1.47 -1.67	48.89 -1.52 -1.41	50.25 -1.61 0.00	55.35 -1.71 0.00	68.17 -2.40 0.00	79.72 -3.06 0.00	81.98 -3.06 0.00	79.98 -3.16 0.00	82.97 -3.01 0.00	76.74 -2.60 -0.63	63.97 -2.18 0.00	59.02 -1.93 -0.72	55.66 -1.74 -1.28	57.36 -1.75 -0.65	58.79 -1.66 -1.09	69.49 -2.04 -1.37	71.69 -1.93 -1.92	57.28 -1.65 -2.16	61.20 -1.74 -0.63	57.56 -1.58 -0.59	54.38 -1.51 0.00	51.07 -1.35 -0.41
OUTOKUMPU-AB___DRP 24206	58.52 -6.07 0.00	49.20 -4.16 -2.04	46.75 -3.73 -3.21	47.80 -3.92 -2.72	47.97 -3.89 0.00	53.24 -3.82 0.00	63.79 -6.77 0.00	73.32 -9.44 0.02	74.85 -9.61 0.59	73.19 -9.64 0.31	73.48 -9.37 3.12	71.54 -8.50 -1.34	61.17 -6.75 -1.77	55.30 -5.66 -0.73	51.79 -4.99 -0.66	53.35 -5.44 -0.33	55.12 -4.81 -0.57	63.13 -6.10 0.93	63.96 -6.02 1.72	50.09 -5.11 1.57	57.65 -5.23 -0.57	53.92 -4.98 -0.36	51.75 -4.14 0.00	49.74 -3.07 -0.79
OXBOW___BTM 323836	57.94 -6.65 0.00	48.93 -4.41 -2.03	46.44 -4.02 -3.19	47.53 -4.16 -2.70	47.50 -4.36 0.00	52.72 -4.34 0.00	63.02 -7.55 0.00	72.16 -10.60 0.02	73.67 -10.80 0.57	71.95 -10.89 0.30	72.51 -10.41 3.06	70.30 -9.76 -1.35	60.10 -7.81 -1.76	54.54 -6.44 -0.76	51.22 -5.61 -0.71	52.62 -6.20 -0.35	54.44 -5.52 -0.60	62.30 -7.02 0.84	63.05 -7.10 1.55	49.43 -5.96 1.38	56.86 -6.04 -0.59	53.76 -5.15 -0.37	50.97 -4.92 0.00	49.21 -3.59 -0.78
OXBOW____ 24026	57.94 -6.65 0.00	48.93 -4.41 -2.03	46.44 -4.02 -3.19	47.53 -4.16 -2.70	47.50 -4.36 0.00	52.66 -4.39 0.00	63.02 -7.55 0.00	72.16 -10.60 0.02	73.67 -10.80 0.57	71.95 -10.89 0.30	72.51 -10.40 3.06	70.30 -9.76 -1.35	60.23 -7.67 -1.76	54.54 -6.44 -0.76	51.16 -5.67 -0.71	52.50 -6.31 -0.35	54.38 -5.58 -0.60	62.31 -7.02 0.83	63.06 -7.10 1.54	49.44 -5.96 1.37	56.86 -6.04 -0.59	53.24 -5.68 -0.38	50.97 -4.92 0.00	49.21 -3.59 -0.78
OXY_CHEM_DSASP 323612	57.68 -6.91 0.00	48.86 -4.46 -2.01	46.37 -4.07 -3.16	47.46 -4.21 -2.68	47.35 -4.51 0.00	52.44 -4.62 0.00	62.52 -8.04 0.00	71.42 -11.34 0.02	72.84 -11.65 0.55	71.05 -11.81 0.29	71.99 -11.01 2.99	69.45 -10.63 -1.37	59.49 -8.40 -1.74	53.96 -7.05 -0.78	50.81 -6.06 -0.75	51.88 -6.96 -0.38	53.95 -6.05 -0.64	61.71 -7.72 0.73	62.52 -7.82 1.37	49.02 -6.59 1.16	56.32 -6.61 -0.61	52.85 -6.09 -0.40	50.47 -5.42 0.00	49.00 -3.80 -0.78
OZONE_PARK_ESR 323760	71.91 4.26 -3.06	68.61 3.49 -13.81	69.71 3.03 -19.41	67.84 3.23 -15.61	55.59 3.73 0.00	61.17 4.11 0.00	75.65 5.08 0.00	88.99 6.21 0.00	91.34 6.29 0.00	89.67 6.24 -0.30	94.56 6.79 -1.79	97.74 6.69 -12.34	81.28 5.56 -9.57	74.92 5.12 -9.58	74.88 4.71 -14.05	70.67 5.09 -7.12	76.60 5.22 -12.01	91.49 6.17 -15.15	99.28 6.38 -21.19	89.48 4.94 -27.78	75.98 5.36 -8.31	70.11 5.03 -6.53	60.75 4.86 0.00	60.60 4.06 -4.53
PACKARD_I15_KV_ADAMS_187_REV_LBMP_A 345013	57.68 -6.91 0.00	48.86 -4.46 -2.01	46.37 -4.07 -3.16	47.46 -4.21 -2.68	47.35 -4.51 0.00	52.44 -4.62 0.00	62.52 -8.04 0.00	71.42 -11.34 0.02	72.84 -11.65 0.55	71.05 -11.81 0.29	71.99 -11.01 2.99	69.45 -10.63 -1.37	59.49 -8.40 -1.74	53.96 -7.05 -0.78	50.81 -6.06 -0.75	51.88 -6.96 -0.38	53.95 -6.05 -0.64	61.71 -7.72 0.73	62.52 -7.82 1.37	49.02 -6.59 1.16	56.32 -6.61 -0.61	52.85 -6.09 -0.40	50.47 -5.42 0.00	49.00 -3.80 -0.78
PACKARD__115KV_DUPONT_184 80571	57.68 -6.91 0.00	48.86 -4.46 -2.01	46.37 -4.07 -3.16	47.46 -4.21 -2.68	47.35 -4.51 0.00	52.44 -4.62 0.00	62.52 -8.04 0.00	71.42 -11.34 0.02	72.84 -11.65 0.55	71.05 -11.81 0.29	71.99 -11.01 2.99	69.45 -10.63 -1.37	59.49 -8.40 -1.74	53.96 -7.05 -0.78	50.81 -6.06 -0.75	51.88 -6.96 -0.38	53.95 -6.05 -0.64	61.71 -7.72 0.73	62.52 -7.82 1.37	49.02 -6.59 1.16	56.32 -6.61 -0.61	52.85 -6.09 -0.40	50.47 -5.42 0.00	49.00 -3.80 -0.78
PARKCHTR_138_KV_TB2S_REV_LBMP_J 345007	71.98 4.33 -3.07	68.72 3.59 -13.82	69.80 3.12 -19.41	67.93 3.33 -15.61	55.50 3.63 -0.01	61.00 3.94 -0.01	75.59 5.01 -0.01	88.75 5.96 -0.01	90.49 5.44 0.00	88.84 5.40 -0.30	93.79 6.02 -1.79	96.96 5.90 -12.35	80.61 4.90 -9.57	74.38 4.58 -9.58	74.38 4.21 -14.05	70.20 4.62 -7.12	76.06 4.69 -12.01	90.85 5.54 -15.15	98.57 5.66 -21.20	88.92 4.37 -27.78	75.36 4.74 -8.31	69.70 4.62 -6.53	60.43 4.53 -0.01	60.35 3.80 -4.54
PARKCHTR_13_KV_CPCTY_REV_LBMP_J 345019	72.43 4.78 -3.07	69.08 3.95 -13.82	70.18 3.50 -19.41	68.33 3.72 -15.61	55.86 3.99 -0.01	61.40 4.34 -0.01	76.08 5.50 -0.01	89.33 6.54 -0.01	91.08 6.04 0.00	89.42 5.99 -0.30	94.31 6.53 -1.79	97.43 6.38 -12.35	81.01 5.29 -9.57	74.68 4.88 -9.58	74.71 4.55 -14.05	70.50 4.91 -7.12	76.42 5.05 -12.01	91.28 5.96 -15.15	99.00 6.09 -21.20	89.32 4.77 -27.78	75.74 5.11 -8.31	70.05 4.98 -6.53	60.82 4.92 -0.01	60.77 4.21 -4.54
PATROON__115KV_TB1 80586	88.89 2.97 -21.33	82.75 2.41 -29.03	79.14 2.22 -29.64	70.51 2.30 -19.22	54.35 2.49 0.00	59.68 2.62 0.00	73.67 3.10 0.00	86.26 3.48 0.00	88.78 3.74 0.00	88.95 3.74 -2.07	102.61 4.13 -12.51	107.90 4.01 -25.18	98.93 3.31 -29.47	78.12 3.07 -14.83	76.29 2.86 -17.30	70.04 2.81 -8.77	76.95 2.79 -14.80	91.98 3.16 -18.66	101.03 3.23 -26.11	100.85 2.55 -41.53	77.84 2.87 -12.66	69.28 2.69 -8.05	58.52 2.63 0.00	60.09 2.50 -5.58
PATTRSNVILLE__SOLAR 323815	102.87 3.10 -35.18	93.17 2.56 -39.29	85.03 2.36 -35.40	71.69 2.45 -20.25	54.55 2.69 0.00	59.97 2.91 0.00	74.02 3.46 0.00	87.00 4.22 0.00	89.29 4.25 0.00	90.62 4.07 -3.41	110.99 4.38 -20.63	116.31 4.01 -33.59	113.15 3.44 -43.56	81.12 3.13 -17.77	77.27 2.92 -18.23	70.86 3.15 -9.24	78.27 3.32 -15.59	93.89 4.07 -19.66	103.36 4.16 -27.50	108.98 3.29 -48.92	80.91 3.55 -15.05	70.29 3.28 -8.48	59.07 3.18 0.00	60.60 2.70 -5.88
PAVMNTRD_I15_KV_BK1_REV_LBMP_A 345030	59.87 -4.71 0.00	48.63 -4.87 -2.20	46.28 -4.44 -3.46	47.27 -4.65 -2.93	49.06 -2.80 0.00	54.43 -2.62 0.00	65.70 -4.87 0.00	77.38 -5.38 0.03	78.94 -5.44 0.66	77.06 -5.74 0.34	76.74 -5.67 3.57	75.32 -4.80 -1.41	63.70 -4.37 -1.92	56.94 -4.03 -0.76	52.90 -3.87 -0.65	55.57 -3.22 -0.32	56.65 -3.26 -0.55	65.87 -3.16 1.13	66.59 -3.08 2.03	52.20 -2.67 1.90	59.34 -3.55 -0.58	53.80 -5.09 -0.35	53.15 -2.74 0.00	49.07 -3.80 -0.85
PAWLING_I15_KV_BK3_REV_LBMP_H 345028	71.94 4.20 -3.16	68.80 3.49 -14.00	69.98 3.07 -19.63	67.95 3.18 -15.77	55.49 3.63 0.00	61.00 3.94 0.00	75.37 4.80 0.00	88.33 5.55 0.00	90.74 5.70 0.00	89.10 5.65 -0.31	94.45 6.62 -1.85	97.72 6.45 -12.56	81.39 5.42 -9.81	74.93 4.94 -9.77	74.97 4.55 -14.31	70.57 4.85 -7.25	76.41 4.81 -12.24	91.14 5.54 -15.43	99.02 5.74 -21.59	89.57 4.48 -28.32	75.77 4.98 -8.48	69.82 4.62 -6.65	60.31 4.42 0.00	60.34 3.75 -4.58
PEEKSKILL____ 23653	70.91 3.29 -3.03	67.69 2.72 -13.67	68.84 2.36 -19.21	66.94 2.50 -15.45	54.76 2.90 0.00	60.19 3.14 0.00	74.38 3.81 0.00	87.33 4.55 0.00	89.63 4.59 0.00	88.00 4.57 -0.29	92.91 5.16 -1.77	96.04 5.11 -12.22	79.92 4.30 -9.47	73.61 3.91 -9.48	73.67 3.65 -13.90	69.43 3.92 -7.05	75.23 3.98 -11.89	89.86 4.70 -15.00	97.48 4.80 -20.97	88.06 3.80 -27.49	74.65 4.11 -8.23	68.87 3.86 -6.46	59.64 3.75 0.00	59.62 3.12 -4.48



PGE MADISON___WINDPWR 24146	70.19 3.49 -2.12	59.25 2.72 -5.22	56.11 2.22 -6.62	56.23 2.21 -5.03	54.45 2.59 0.00	60.14 3.08 0.00	74.52 3.95 0.00	87.84 5.05 0.00	90.27 5.10 -0.12	88.31 4.90 -0.27	94.08 6.19 -1.91	89.84 6.14 -4.99	75.79 5.09 -4.55	68.04 4.28 -3.54	64.73 3.70 -4.90	65.34 4.39 -2.49	68.06 4.51 -4.19	81.41 5.61 -5.63	85.73 6.02 -8.00	72.27 4.54 -10.96	70.18 4.80 -3.07	64.67 3.86 -2.27	59.69 3.80 0.00	56.70 3.23 -1.46
PIERCEFIELD___HYD 23852	64.52 -0.06 0.00	51.15 -0.36 -0.20	47.16 -0.43 -0.31	48.77 -0.49 -0.27	51.13 -0.73 0.00	56.37 -0.68 0.00	70.21 -0.35 0.00	82.20 -0.58 0.00	83.68 -1.36 0.00	81.89 -1.25 0.00	84.77 -1.20 0.00	77.57 -1.26 -0.12	65.09 -1.06 0.00	59.14 -1.08 0.00	55.00 -1.12 0.00	56.71 -1.75 0.00	55.12 -2.26 1.98	67.63 -2.53 0.00	68.73 -2.65 0.32	54.78 -1.99 0.00	60.01 -2.31 0.00	56.55 -1.99 0.00	54.38 -1.51 0.00	50.90 -1.20 -0.08
PINELAWN_CC_1 323563	117.38 5.43 -47.37	83.59 4.41 -27.87	82.30 3.88 -31.15	78.38 4.12 -25.28	78.38 4.61 -21.91	77.99 5.08 -15.86	130.00 6.28 -53.15	150.38 7.70 -59.90	153.39 7.74 -60.61	153.34 7.56 -62.64	170.39 8.00 -76.41	145.69 7.87 -59.11	136.59 6.55 -63.89	131.00 6.02 -64.76	130.67 5.61 -68.94	145.44 6.08 -80.90	142.90 6.17 -77.36	154.98 7.43 -77.39	154.75 7.46 -75.60	145.31 5.90 -82.64	138.22 6.42 -69.49	119.39 5.91 -54.94	115.20 5.70 -53.61	107.54 4.89 -50.64
PJM_GEN_HTP_PROXY 323702	71.33 3.68 -3.06	68.19 3.08 -13.81	69.32 2.65 -19.41	67.44 2.84 -15.61	55.13 3.27 0.00	60.65 3.60 0.00	75.02 4.45 0.00	88.16 5.38 0.00	90.49 5.45 0.00	90.86 5.40 -2.32	91.76 6.02 0.23	96.96 5.91 -12.34	80.61 4.89 -9.57	74.32 4.52 -9.58	74.32 4.15 -14.04	70.09 4.50 -7.12	75.94 4.57 -12.01	90.71 5.40 -15.15	98.41 5.52 -21.19	88.85 4.31 -27.77	75.30 4.68 -8.31	69.47 4.39 -6.53	60.14 4.25 0.00	60.08 3.54 -4.53
PJM_GEN_KEystone 24065	65.51 -0.90 -1.83	59.26 -0.72 -8.67	58.70 -0.71 -12.14	58.00 -0.73 -9.74	51.75 -0.10 0.00	57.06 0.00 0.00	69.86 -0.71 0.00	81.70 -1.08 0.01	75.94 -1.11 7.99	73.90 -1.24 7.99	71.69 -0.94 13.34	67.60 -0.55 10.56	64.60 -0.53 1.02	62.60 -0.36 -2.74	59.90 -0.39 -4.17	61.84 -0.17 -3.55	66.50 0.00 -7.14	78.92 0.14 -8.62	83.72 0.07 -11.95	72.61 0.00 -15.84	67.24 -0.06 -4.99	62.03 -0.41 -3.89	56.11 0.22 0.00	54.74 -0.10 -2.83
PJM_GEN_NEPTUNE_PROXY 323594	95.13 4.33 -26.22	76.00 3.54 -21.15	75.93 3.12 -25.54	72.93 3.28 -20.66	67.05 3.74 -11.45	69.46 4.11 -8.29	103.36 5.01 -27.78	120.13 6.04 -31.31	122.84 6.13 -31.68	124.11 6.07 -34.90	131.36 6.62 -38.77	121.95 6.46 -36.79	109.46 5.36 -37.96	103.58 4.94 -38.41	103.46 4.60 -42.73	109.05 4.91 -45.68	110.57 5.04 -46.16	123.79 5.96 -47.68	127.41 6.09 -49.62	117.98 4.77 -56.45	107.83 5.23 -40.28	95.23 4.86 -31.83	88.60 4.70 -28.02	84.65 4.01 -28.63
PJM_GEN_VFT_PROXY 323633	71.00 3.36 -3.06	67.94 2.82 -13.81	69.04 2.36 -19.41	67.20 2.59 -15.61	54.92 3.06 0.00	60.42 3.37 0.00	74.66 4.09 0.00	87.75 4.97 0.00	90.14 5.10 0.00	90.53 5.07 -2.32	91.33 5.59 0.23	96.56 5.51 -12.35	80.28 4.56 -9.57	74.08 4.28 -9.58	74.09 3.93 -14.05	69.80 4.21 -7.12	75.65 4.28 -12.01	90.43 5.12 -15.15	98.12 5.23 -21.19	88.63 4.09 -27.77	75.05 4.42 -8.31	69.29 4.22 -6.53	59.97 4.08 0.00	59.88 3.33 -4.53
PLATSBURG_115KV_PMLD1 355749	64.46 -0.13 0.00	50.90 -0.41 0.00	46.80 -0.47 0.00	48.45 -0.54 0.00	51.13 -0.73 0.00	56.37 -0.68 0.00	69.58 -0.99 0.00	81.87 -0.91 0.00	84.11 -0.94 0.00	82.39 -0.75 0.00	84.60 -1.38 0.00	77.13 -1.57 0.00	64.56 -1.59 0.00	58.48 -1.75 0.00	54.16 -1.96 0.00	55.83 -2.63 0.00	53.90 -2.97 2.49	66.79 -3.37 0.00	67.93 -3.37 0.40	54.16 -2.61 0.00	59.32 -2.99 0.00	55.73 -2.81 0.00	53.04 -2.85 0.00	50.04 -1.98 0.00
PLEASANTVLY___LBMP 24000	71.04 3.23 -3.22	68.39 2.67 -14.41	69.87 2.36 -20.24	67.76 2.50 -16.26	54.66 2.80 0.00	60.08 3.02 0.00	74.24 3.67 0.00	87.09 4.30 0.00	89.46 4.42 0.00	87.86 4.41 -0.31	92.77 4.90 -1.89	96.39 4.80 -12.88	80.19 4.04 -10.01	73.89 3.67 -9.99	74.19 3.42 -14.65	69.57 3.68 -7.43	75.63 3.74 -12.52	90.38 4.42 -15.80	98.32 4.52 -22.10	89.32 3.58 -28.98	74.85 3.86 -8.67	68.98 3.63 -6.81	59.41 3.52 0.00	59.70 2.96 -4.72
PLSNTVLE_13_KV_13.8KVDIST 80602	71.28 3.62 -3.08	68.19 2.98 -13.90	69.42 2.60 -19.55	67.46 2.74 -15.72	54.97 3.11 0.00	60.48 3.42 0.00	74.73 4.16 0.00	87.83 5.05 0.00	90.15 5.10 0.00	88.51 5.07 -0.30	93.46 5.67 -1.80	96.65 5.51 -12.43	80.35 4.56 -9.64	74.09 4.22 -9.65	74.20 3.93 -14.15	69.85 4.21 -7.18	75.74 4.27 -12.10	90.55 5.12 -15.27	98.29 5.23 -21.35	88.84 4.09 -27.98	75.17 4.49 -8.38	69.28 4.16 -6.58	59.91 4.02 0.00	59.91 3.33 -4.56
PLSNTVLE_13_KV_13KVDISA_REV_LBMP_I 345020	71.28 3.62 -3.08	68.19 2.98 -13.90	69.42 2.60 -19.55	67.46 2.74 -15.72	54.97 3.11 0.00	60.48 3.42 0.00	74.73 4.16 0.00	87.83 5.05 0.00	90.15 5.10 0.00	88.51 5.07 -0.30	93.46 5.67 -1.80	96.65 5.51 -12.43	80.35 4.56 -9.64	74.09 4.22 -9.65	74.20 3.93 -14.15	69.85 4.21 -7.18	75.74 4.27 -12.10	90.55 5.12 -15.27	98.29 5.23 -21.35	88.84 4.09 -27.98	75.17 4.49 -8.38	69.28 4.16 -6.58	59.91 4.02 0.00	59.91 3.33 -4.56
PLSTVYCH_69_KV_RQ-3_RG2_REV_LBMP_G 345023	71.71 3.68 -3.44	68.66 3.03 -14.33	69.90 2.69 -19.94	67.78 2.84 -15.95	55.02 3.16 0.00	60.54 3.48 0.00	74.80 4.23 0.00	87.58 4.80 0.00	90.06 5.02 0.00	88.46 4.99 -0.33	93.50 5.50 -2.02	96.89 5.35 -12.83	80.81 4.50 -10.16	74.23 4.10 -9.91	74.39 3.82 -14.46	69.94 4.15 -7.33	75.88 4.16 -12.36	90.74 4.98 -15.60	98.61 5.09 -21.81	89.46 3.97 -28.72	75.34 4.42 -8.60	69.30 4.04 -6.72	59.80 3.91 0.00	59.92 3.28 -4.63
POLETTI_____ 23519	71.33 3.68 -3.06	68.15 3.03 -13.81	69.28 2.60 -19.41	67.40 2.79 -15.61	55.13 3.27 0.00	60.65 3.59 0.00	75.01 4.45 0.00	88.08 5.30 0.00	90.49 5.44 0.00	88.84 5.40 -0.30	93.70 5.93 -1.79	96.88 5.82 -12.34	80.55 4.83 -9.57	74.26 4.46 -9.58	74.32 4.15 -14.05	70.09 4.50 -7.12	75.94 4.57 -12.01	90.71 5.40 -15.15	98.42 5.52 -21.19	88.86 4.31 -27.78	75.24 4.61 -8.31	69.46 4.39 -6.53	60.14 4.25 0.00	60.08 3.54 -4.53
POMONA___ESR 323819	70.50 2.97 -2.94	67.14 2.51 -13.31	68.17 2.18 -18.72	66.35 2.30 -15.06	54.55 2.69 0.00	60.02 2.97 0.00	74.16 3.60 0.00	87.00 4.22 0.00	89.29 4.25 0.00	87.66 4.24 -0.28	92.51 4.81 -1.72	95.32 4.72 -11.89	79.33 3.97 -9.22	73.06 3.61 -9.23	73.02 3.37 -13.54	69.01 3.69 -6.86	74.69 3.74 -11.59	89.20 4.42 -14.61	96.66 4.52 -20.44	87.13 3.58 -26.79	74.26 3.93 -8.02	68.47 3.63 -6.30	59.47 3.58 0.00	59.30 2.91 -4.37
PORT_JEFF_3 23555	117.90 5.94 -47.37	84.06 4.88 -27.87	82.68 4.26 -31.15	78.83 4.56 -25.28	78.86 5.09 -21.91	78.45 5.53 -15.86	130.56 6.84 -53.15	151.21 8.53 -59.90	154.45 8.76 -60.65	154.38 8.57 -62.68	171.45 8.94 -76.53	146.08 8.26 -59.11	136.72 6.68 -63.89	131.12 6.15 -64.76	130.90 5.84 -68.94	145.85 6.49 -80.90	143.20 6.47 -77.36	155.47 7.93 -77.39	155.59 8.17 -75.71	145.66 6.24 -82.64	138.71 6.92 -69.49	119.80 6.32 -54.94	115.70 6.20 -53.61	107.96 5.31 -50.64



PORT_JEFF_4 23616	117.90 5.94 -47.37	84.06 4.88 -27.87	82.68 4.26 -31.15	78.83 4.56 -25.28	78.86 5.09 -21.91	78.45 5.53 -15.86	130.56 6.84 -53.15	151.21 8.53 -59.90	154.45 8.76 -60.65	154.38 8.57 -62.68	171.45 8.94 -76.53	146.08 8.26 -59.11	136.72 6.68 -63.89	131.12 6.15 -64.76	130.90 5.84 -68.94	145.85 6.49 -80.90	143.20 6.47 -77.36	155.47 7.93 -77.39	155.59 8.17 -75.71	145.66 6.24 -82.64	138.71 6.92 -69.49	119.80 6.32 -54.94	115.70 6.20 -53.61	107.96 5.31 -50.64
PORT_JEFF_IC 23713	117.97 6.01 -47.37	84.05 4.87 -27.87	82.72 4.30 -31.15	78.87 4.61 -25.28	78.90 5.13 -21.91	78.51 5.59 -15.86	130.64 6.92 -53.15	151.29 8.61 -59.90	154.54 8.84 -60.65	154.47 8.65 -62.68	171.54 9.03 -76.54	146.08 8.26 -59.11	136.79 6.75 -63.89	131.30 6.32 -64.76	131.01 5.95 -68.94	145.97 6.61 -80.90	143.26 6.53 -77.36	155.55 8.00 -77.39	155.74 8.32 -75.72	145.72 6.30 -82.65	138.78 6.98 -69.49	119.92 6.44 -54.94	115.76 6.26 -53.61	108.01 5.36 -50.64
PPL PILGRIM_ST_GT1 24216	118.42 6.46 -47.37	84.47 5.29 -27.87	83.10 4.68 -31.15	79.22 4.95 -25.28	79.32 5.55 -21.91	78.96 6.05 -15.86	131.20 7.48 -53.15	151.95 9.27 -59.90	154.42 8.76 -60.61	154.26 8.48 -62.64	170.91 8.51 -76.42	147.03 9.20 -59.11	137.58 7.54 -63.89	131.96 6.98 -64.76	131.57 6.51 -68.94	146.38 7.01 -80.90	143.78 7.06 -77.36	156.25 8.70 -77.39	155.26 7.96 -75.60	146.28 6.87 -82.64	139.27 7.47 -69.49	120.32 6.85 -54.94	116.15 6.65 -53.61	108.38 5.72 -50.64
PPL PILGRIM_ST_GT2 24217	118.42 6.46 -47.37	84.47 5.29 -27.87	83.10 4.68 -31.15	79.22 4.95 -25.28	79.32 5.55 -21.91	78.96 6.05 -15.86	131.20 7.48 -53.15	151.95 9.27 -59.90	154.42 8.76 -60.61	154.26 8.48 -62.64	170.91 8.51 -76.42	147.03 9.20 -59.11	137.58 7.54 -63.89	131.96 6.98 -64.76	131.57 6.51 -68.94	146.38 7.01 -80.90	143.78 7.06 -77.36	156.25 8.70 -77.39	155.26 7.96 -75.60	146.28 6.87 -82.64	139.27 7.47 -69.49	120.32 6.85 -54.94	116.15 6.65 -53.61	108.38 5.72 -50.64
PPL_SHRM_GT3 24213	118.10 6.14 -47.37	84.15 4.98 -27.87	82.82 4.40 -31.15	78.97 4.70 -25.28	79.01 5.24 -21.91	78.57 5.65 -15.86	130.71 6.99 -53.15	151.45 8.77 -59.90	154.80 9.10 -60.65	154.63 8.81 -62.68	171.71 9.20 -76.53	145.54 7.72 -59.11	136.20 6.15 -63.89	130.64 5.66 -64.76	130.67 5.61 -68.94	145.91 6.55 -80.90	142.84 6.12 -77.36	155.20 7.65 -77.39	155.66 8.24 -75.71	145.43 6.01 -82.64	138.59 6.79 -69.49	119.68 6.20 -54.94	115.81 6.31 -53.61	108.12 5.46 -50.64
PPL_SHRM_GT4 24214	118.10 6.14 -47.37	84.15 4.98 -27.87	82.82 4.40 -31.15	78.97 4.70 -25.28	79.01 5.24 -21.91	78.57 5.65 -15.86	130.71 6.99 -53.15	151.45 8.77 -59.90	154.80 9.10 -60.65	154.63 8.81 -62.68	171.71 9.20 -76.53	145.54 7.72 -59.11	136.20 6.15 -63.89	130.64 5.66 -64.76	130.67 5.61 -68.94	145.91 6.55 -80.90	142.84 6.12 -77.36	155.20 7.65 -77.39	155.66 8.24 -75.71	145.43 6.01 -82.64	138.59 6.79 -69.49	119.68 6.20 -54.94	115.81 6.31 -53.61	108.12 5.46 -50.64
PROJECT___ORANGE 1 24174	62.91 -1.68 0.00	51.52 -1.08 -1.28	48.30 -0.99 -2.02	49.68 -1.03 -1.71	50.82 -1.04 0.00	56.03 -1.03 0.00	68.94 -1.62 0.00	80.55 -2.24 0.00	82.92 -2.13 0.00	80.89 -2.24 0.00	84.00 -1.98 0.00	77.82 -1.65 -0.76	64.83 -1.32 0.00	59.95 -1.14 -0.87	56.60 -1.07 -1.54	58.19 -1.05 -0.78	59.80 -0.89 -1.33	70.78 -1.05 -1.67	73.04 -1.00 -2.34	58.49 -0.91 -2.63	62.15 -0.93 -0.77	58.44 -0.82 -0.72	55.11 -0.78 0.00	51.89 -0.62 -0.50
PROJECT___ORANGE 2 24166	62.91 -1.68 0.00	51.52 -1.08 -1.28	48.30 -0.99 -2.02	49.68 -1.03 -1.71	50.82 -1.04 0.00	56.03 -1.03 0.00	68.94 -1.62 0.00	80.55 -2.24 0.00	82.92 -2.13 0.00	80.89 -2.24 0.00	84.00 -1.98 0.00	77.82 -1.65 -0.76	64.83 -1.32 0.00	59.95 -1.14 -0.87	56.60 -1.07 -1.54	58.19 -1.05 -0.78	59.80 -0.89 -1.33	70.78 -1.05 -1.67	73.04 -1.00 -2.34	58.49 -0.91 -2.63	62.15 -0.93 -0.77	58.44 -0.82 -0.72	55.11 -0.78 0.00	51.89 -0.62 -0.50
PUCKETT___SOLAR 323809	66.96 0.58 -1.79	57.01 0.46 -5.24	54.54 0.38 -6.89	54.69 0.35 -5.35	52.64 0.78 0.00	58.09 1.03 0.00	71.55 0.99 0.00	83.94 1.16 0.00	86.23 1.19 0.00	84.23 0.92 -0.17	88.49 1.46 -1.05	84.90 1.42 -4.78	71.52 1.12 -4.25	64.58 0.90 -3.45	61.67 0.73 -4.82	62.01 1.11 -2.44	64.78 1.30 -4.12	77.17 1.82 -5.19	80.99 2.00 -7.28	68.13 1.42 -9.94	66.79 1.49 -2.98	61.77 0.99 -2.24	57.12 1.23 0.00	54.45 0.88 -1.55
PYRITES___HYD 24023	65.56 0.97 0.00	51.86 0.36 -0.19	47.80 0.24 -0.29	49.49 0.24 -0.25	51.86 0.00 0.00	57.23 0.17 0.00	71.41 0.85 0.00	83.69 0.91 0.00	85.38 0.34 0.00	83.47 0.33 0.00	86.32 0.34 0.00	78.90 0.08 -0.11	66.22 0.07 0.00	60.16 -0.06 0.00	56.01 -0.11 0.00	57.88 -0.58 0.00	56.26 -1.07 2.04	69.04 -1.12 0.00	70.22 -1.15 0.33	55.92 -0.85 0.00	61.25 -1.06 0.00	57.61 -0.94 0.00	55.22 -0.67 0.00	51.67 -0.42 -0.07
QUAKERRD_115KV_BK1 80622	60.00 -4.59 0.00	50.17 -2.77 -1.63	47.29 -2.55 -2.57	48.57 -2.60 -2.18	48.85 -3.01 0.00	53.92 -3.14 0.00	65.91 -4.66 0.00	76.24 -6.54 0.00	78.49 -6.55 0.00	76.41 -6.73 0.00	79.36 -6.62 0.00	74.56 -5.90 -1.76	62.92 -4.63 -1.40	57.66 -3.91 -1.35	54.38 -3.70 -1.96	55.60 -3.86 -0.99	57.48 -3.56 -1.68	67.79 -4.49 -2.12	70.28 -4.37 -2.95	56.92 -3.75 -3.90	59.62 -3.86 -1.17	56.35 -3.10 -0.91	52.76 -3.13 0.00	50.46 -2.18 -0.63
QUEENSBRY_115KV_TB8 356137	103.42 5.88 -32.96	93.44 4.77 -37.36	85.74 4.44 -34.02	73.25 4.56 -19.70	56.94 5.08 0.00	62.82 5.76 0.00	77.48 6.92 0.00	91.23 8.44 0.00	93.80 8.76 0.00	95.06 8.73 -3.19	114.59 9.29 -19.33	119.02 8.42 -31.89	114.04 6.88 -41.01	83.53 6.26 -17.04	79.67 5.84 -17.71	73.70 6.26 -8.98	80.86 6.35 -15.15	96.99 7.72 -19.11	106.17 7.74 -26.73	109.96 6.19 -47.00	83.43 6.67 -14.45	73.04 6.26 -8.24	61.93 6.04 0.00	63.03 5.31 -5.71
RAMAPO___LBMP 323565	70.36 2.84 -2.93	66.94 2.36 -13.27	67.96 2.03 -18.66	66.21 2.20 -15.01	54.45 2.59 0.00	59.85 2.80 0.00	73.95 3.39 0.00	86.76 3.97 0.00	89.12 4.08 0.00	87.50 4.07 -0.28	92.25 4.56 -1.72	95.05 4.49 -11.86	79.10 3.77 -9.18	72.85 3.43 -9.20	72.81 3.20 -13.49	68.81 3.51 -6.84	74.46 3.56 -11.54	88.92 4.21 -14.55	96.36 4.30 -20.36	86.85 3.41 -26.68	74.04 3.74 -7.99	68.27 3.45 -6.27	59.30 3.41 0.00	59.13 2.76 -4.36
RANKINE____ 23646	59.23 -5.36 0.00	49.25 -4.21 -2.15	46.82 -3.83 -3.38	47.89 -3.97 -2.86	48.44 -3.42 0.00	53.81 -3.25 0.00	64.78 -5.79 0.00	75.05 -7.70 0.03	76.48 -7.82 0.74	74.69 -8.06 0.38	73.90 -8.08 3.99	72.95 -7.00 -1.24	62.26 -5.76 -1.87	55.88 -4.94 -0.60	51.82 -4.66 -0.36	54.08 -4.56 -0.18	55.28 -4.39 -0.31	63.31 -5.19 1.65	63.81 -5.09 2.80	49.68 -4.26 2.83	58.07 -4.67 -0.43	53.97 -4.80 -0.23	52.43 -3.47 0.00	49.67 -3.17 -0.83
RAVENSWOOD_GT2_1 24244	71.46 3.81 -3.06	68.25 3.13 -13.81	69.38 2.69 -19.41	67.49 2.89 -15.61	55.23 3.37 0.00	60.77 3.71 0.00	75.08 4.52 0.00	88.25 5.46 0.00	90.57 5.53 0.00	88.92 5.49 -0.30	93.88 6.10 -1.79	97.03 5.98 -12.35	80.68 4.96 -9.57	74.38 4.58 -9.58	74.43 4.27 -14.05	70.14 4.56 -7.12	76.00 4.63 -12.01	90.85 5.54 -15.15	98.56 5.66 -21.19	88.98 4.43 -27.78	75.36 4.74 -8.31	69.58 4.51 -6.53	60.25 4.36 0.00	60.19 3.64 -4.53



RAVENSWOOD_GT2_2 24245	71.46 3.81 -3.06	68.25 3.13 -13.81	69.38 2.69 -19.41	67.49 2.89 -15.61	55.23 3.37 0.00	60.77 3.71 0.00	75.08 4.52 0.00	88.25 5.46 0.00	90.57 5.53 0.00	88.92 5.49 -0.30	93.88 6.10 -1.79	97.03 5.98 -12.35	80.68 4.96 -9.57	74.38 4.58 -9.58	74.43 4.27 -14.05	70.14 4.56 -7.12	76.00 4.63 -12.01	90.85 5.54 -15.15	98.56 5.66 -21.19	88.98 4.43 -27.78	75.36 4.74 -8.31	69.58 4.51 -6.53	60.25 4.36 0.00	60.19 3.64 -4.53
RAVENSWOOD_GT2_3 24246	71.46 3.81 -3.06	68.30 3.18 -13.81	69.42 2.74 -19.41	67.54 2.94 -15.61	55.23 3.37 0.00	60.77 3.71 0.00	75.15 4.59 0.00	88.33 5.55 0.00	90.66 5.61 0.00	89.01 5.57 -0.30	93.88 6.10 -1.79	97.03 5.98 -12.35	80.68 4.96 -9.57	74.44 4.64 -9.58	74.43 4.27 -14.05	70.20 4.62 -7.12	76.06 4.69 -12.01	90.85 5.54 -15.15	98.56 5.66 -21.19	88.98 4.43 -27.78	75.42 4.80 -8.31	69.58 4.51 -6.53	60.25 4.36 0.00	60.19 3.64 -4.53
RAVENSWOOD_GT2_4 24247	71.46 3.81 -3.06	68.30 3.18 -13.81	69.42 2.74 -19.41	67.54 2.94 -15.61	55.23 3.37 0.00	60.77 3.71 0.00	75.15 4.59 0.00	88.33 5.55 0.00	90.66 5.61 0.00	89.01 5.57 -0.30	93.88 6.10 -1.79	97.03 5.98 -12.35	80.68 4.96 -9.57	74.44 4.64 -9.58	74.43 4.27 -14.05	70.20 4.62 -7.12	76.06 4.69 -12.01	90.85 5.54 -15.15	98.56 5.66 -21.19	88.98 4.43 -27.78	75.42 4.80 -8.31	69.58 4.51 -6.53	60.25 4.36 0.00	60.19 3.64 -4.53
RAVENSWOOD_GT3_1 24248	71.46 3.81 -3.06	68.25 3.13 -13.81	69.38 2.69 -19.41	67.49 2.89 -15.61	55.23 3.37 0.00	60.77 3.71 0.00	75.15 4.59 0.00	88.25 5.46 0.00	90.57 5.53 0.00	89.01 5.57 -0.30	93.88 6.10 -1.79	97.03 5.98 -12.35	80.68 4.96 -9.57	74.38 4.58 -9.58	74.43 4.27 -14.05	70.14 4.56 -7.12	76.06 4.69 -12.01	90.85 5.54 -15.15	98.56 5.66 -21.19	88.98 4.43 -27.78	75.36 4.74 -8.31	69.58 4.51 -6.53	60.25 4.36 0.00	60.19 3.64 -4.53
RAVENSWOOD_GT3_2 24249	71.46 3.81 -3.06	68.25 3.13 -13.81	69.38 2.69 -19.41	67.49 2.89 -15.61	55.23 3.37 0.00	60.77 3.71 0.00	75.15 4.59 0.00	88.25 5.46 0.00	90.57 5.53 0.00	89.01 5.57 -0.30	93.88 6.10 -1.79	97.03 5.98 -12.35	80.68 4.96 -9.57	74.38 4.58 -9.58	74.43 4.27 -14.05	70.14 4.56 -7.12	76.06 4.69 -12.01	90.85 5.54 -15.15	98.56 5.66 -21.19	88.98 4.43 -27.78	75.36 4.74 -8.31	69.58 4.51 -6.53	60.25 4.36 0.00	60.19 3.64 -4.53
RAVENSWOOD_GT3_3 24250	71.52 3.88 -3.06	68.30 3.18 -13.81	69.42 2.74 -19.41	67.54 2.94 -15.61	55.28 3.42 0.00	60.82 3.77 0.00	75.22 4.66 0.00	88.41 5.63 0.00	90.74 5.70 0.00	89.09 5.65 -0.30	93.96 6.19 -1.79	97.11 6.06 -12.35	80.75 5.03 -9.57	74.50 4.70 -9.58	74.49 4.32 -14.05	70.26 4.68 -7.12	76.12 4.75 -12.01	90.92 5.61 -15.15	98.63 5.74 -21.19	89.03 4.48 -27.78	75.49 4.86 -8.31	69.64 4.57 -6.53	60.31 4.42 0.00	60.24 3.69 -4.53
RAVENSWOOD_GT3_4 24251	71.52 3.88 -3.06	68.30 3.18 -13.81	69.42 2.74 -19.41	67.54 2.94 -15.61	55.28 3.42 0.00	60.82 3.77 0.00	75.22 4.66 0.00	88.41 5.63 0.00	90.74 5.70 0.00	89.09 5.65 -0.30	93.96 6.19 -1.79	97.11 6.06 -12.35	80.75 5.03 -9.57	74.50 4.70 -9.58	74.49 4.32 -14.05	70.26 4.68 -7.12	76.12 4.75 -12.01	90.92 5.61 -15.15	98.63 5.74 -21.19	89.03 4.48 -27.78	75.49 4.86 -8.31	69.64 4.57 -6.53	60.31 4.42 0.00	60.24 3.69 -4.53
RAVENSWOOD_GT_1 23729	71.85 4.20 -3.07	68.57 3.44 -13.82	69.66 2.98 -19.41	67.79 3.18 -15.61	56.83 3.63 -1.34	61.81 3.99 -0.76	75.52 4.94 -0.01	88.75 5.96 -0.01	90.91 5.87 0.00	89.34 5.90 -0.30	94.22 6.45 -1.79	97.43 6.38 -12.35	81.01 5.29 -9.57	74.68 4.88 -9.58	74.71 4.55 -14.05	70.50 4.91 -7.12	76.36 4.99 -12.01	91.28 5.96 -15.15	106.27 6.02 -28.55	89.26 4.71 -27.78	75.67 5.05 -8.31	69.94 4.86 -6.54	61.76 4.69 -1.18	61.69 3.95 -5.72
RAVENSWOOD_GT_10 24258	71.46 3.81 -3.06	68.25 3.13 -13.81	69.38 2.69 -19.41	67.49 2.89 -15.61	55.23 3.37 0.00	60.77 3.71 0.00	75.08 4.52 0.00	88.24 5.46 0.00	90.57 5.53 0.00	88.92 5.49 -0.30	93.88 6.10 -1.79	97.03 5.98 -12.35	80.68 4.96 -9.57	74.38 4.58 -9.58	74.38 4.21 -14.05	70.14 4.56 -7.12	76.00 4.63 -12.01	90.85 5.54 -15.15	98.40 5.66 -21.04	88.92 4.37 -27.78	75.36 4.74 -8.31	69.58 4.51 -6.53	60.25 4.36 0.00	60.19 3.64 -4.53
RAVENSWOOD_GT_11 24259	71.46 3.81 -3.06	68.25 3.13 -13.81	69.38 2.69 -19.41	67.49 2.89 -15.61	55.23 3.37 0.00	60.77 3.71 0.00	75.08 4.52 0.00	88.24 5.46 0.00	90.57 5.53 0.00	88.92 5.49 -0.30	93.88 6.10 -1.79	97.03 5.98 -12.35	80.68 4.96 -9.57	74.38 4.58 -9.58	74.38 4.21 -14.05	70.14 4.56 -7.12	76.00 4.63 -12.01	90.85 5.54 -15.15	98.40 5.66 -21.04	88.92 4.37 -27.78	75.36 4.74 -8.31	69.58 4.51 -6.53	60.25 4.36 0.00	60.19 3.64 -4.53
RAVENSWOOD_GT_4 24252	71.39 3.75 -3.05	68.19 3.08 -13.80	69.33 2.65 -19.41	67.45 2.84 -15.61	56.17 3.32 -0.99	61.26 3.65 -0.55	75.01 4.45 0.01	88.16 5.38 0.01	90.57 5.53 0.00	88.92 5.49 -0.30	93.79 6.02 -1.79	96.95 5.90 -12.35	80.61 4.90 -9.57	74.32 4.52 -9.58	74.38 4.21 -14.05	70.09 4.50 -7.12	75.94 4.57 -12.01	90.78 5.47 -15.15	101.80 5.59 -24.51	88.92 4.37 -27.78	75.36 4.74 -8.31	69.53 4.45 -6.54	61.06 4.30 -0.86	61.01 3.59 -5.40
RAVENSWOOD_GT_5 24254	71.39 3.75 -3.05	68.19 3.08 -13.80	69.33 2.65 -19.41	67.45 2.84 -15.61	56.17 3.32 -0.99	61.26 3.65 -0.55	75.01 4.45 0.01	88.16 5.38 0.01	90.57 5.53 0.00	88.92 5.49 -0.30	93.79 6.02 -1.79	96.95 5.90 -12.35	80.61 4.90 -9.57	74.32 4.52 -9.58	74.38 4.21 -14.05	70.09 4.50 -7.12	75.94 4.57 -12.01	90.78 5.47 -15.15	101.80 5.59 -24.51	88.92 4.37 -27.78	75.36 4.74 -8.31	69.53 4.45 -6.54	61.06 4.30 -0.86	61.01 3.59 -5.40
RAVENSWOOD_GT_6 24253	71.39 3.75 -3.05	68.19 3.08 -13.80	69.33 2.65 -19.41	67.45 2.84 -15.61	56.17 3.32 -0.99	61.26 3.65 -0.55	75.01 4.45 0.01	88.16 5.38 0.01	90.57 5.53 0.00	88.92 5.49 -0.30	93.79 6.02 -1.79	96.95 5.90 -12.35	80.61 4.90 -9.57	74.32 4.52 -9.58	74.38 4.21 -14.05	70.09 4.50 -7.12	75.94 4.57 -12.01	90.78 5.47 -15.15	101.80 5.59 -24.51	88.92 4.37 -27.78	75.36 4.74 -8.31	69.53 4.45 -6.54	61.06 4.30 -0.86	61.01 3.59 -5.40
RAVENSWOOD_GT_7 24255	71.39 3.75 -3.05	68.19 3.08 -13.80	69.33 2.65 -19.41	67.45 2.84 -15.61	56.17 3.32 -0.99	61.26 3.65 -0.55	75.01 4.45 0.01	88.16 5.38 0.01	90.57 5.53 0.00	88.92 5.49 -0.30	93.79 6.02 -1.79	96.95 5.90 -12.35	80.61 4.90 -9.57	74.32 4.52 -9.58	74.38 4.21 -14.05	70.09 4.50 -7.12	75.94 4.57 -12.01	90.78 5.47 -15.15	101.80 5.59 -24.51	88.92 4.37 -27.78	75.36 4.74 -8.31	69.53 4.45 -6.54	61.06 4.30 -0.86	61.01 3.59 -5.40
RAVENSWOOD_GT_8 TEMP GRP(8-11) 24256	71.46 3.81 -3.06	68.25 3.13 -13.81	69.38 2.69 -19.41	67.49 2.89 -15.61	55.23 3.37 0.00	60.77 3.71 0.00	75.08 4.52 0.00	88.24 5.46 0.00	90.57 5.53 0.00	88.92 5.49 -0.30	93.88 6.10 -1.79	97.03 5.98 -12.35	80.68 4.96 -9.57	74.38 4.58 -9.58	74.38 4.21 -14.05	70.14 4.56 -7.12	76.00 4.63 -12.01	90.85 5.54 -15.15	98.40 5.66 -21.04	88.92 4.37 -27.78	75.36 4.74 -8.31	69.58 4.51 -6.53	60.25 4.36 0.00	60.19 3.64 -4.53



RAVENSWOOD_GT_9 24257	71.46 3.81 -3.06	68.25 3.13 -13.81	69.38 2.69 -19.41	67.49 2.89 -15.61	55.23 3.37 0.00	60.77 3.71 0.00	75.08 4.52 0.00	88.24 5.46 0.00	90.57 5.53 0.00	88.92 5.49 -0.30	93.88 6.10 -1.79	97.03 5.98 -12.35	80.68 4.96 -9.57	74.38 4.58 -9.58	74.38 4.21 -14.05	70.14 4.56 -7.12	76.00 4.63 -12.01	90.85 5.54 -15.15	98.40 5.66 -21.04	88.92 4.37 -27.78	75.36 4.74 -8.31	69.58 4.51 -6.53	60.25 4.36 0.00	60.19 3.64 -4.53
RAVENSWOOD___1 23533	71.79 4.14 -3.07	68.57 3.44 -13.82	69.61 2.93 -19.41	67.74 3.14 -15.61	55.49 3.63 -0.01	61.06 3.99 -0.01	75.44 4.87 -0.01	88.67 5.88 -0.01	90.91 5.86 0.00	89.25 5.82 -0.30	94.22 6.45 -1.79	97.35 6.30 -12.35	81.01 5.29 -9.57	74.68 4.88 -9.58	74.66 4.49 -14.05	70.43 4.85 -7.12	76.30 4.92 -12.01	91.20 5.89 -15.15	100.38 6.02 -22.65	89.20 4.66 -27.77	75.67 5.05 -8.31	69.81 4.74 -6.53	60.53 4.64 -0.01	60.46 3.90 -4.54
RAVENSWOOD___2 23534	71.79 4.14 -3.07	68.51 3.39 -13.82	69.61 2.93 -19.41	67.74 3.14 -15.61	55.49 3.63 -0.01	61.00 3.93 -0.01	75.44 4.87 -0.01	88.67 5.88 -0.01	90.83 5.79 0.00	89.25 5.82 -0.30	94.22 6.45 -1.79	97.35 6.30 -12.35	81.01 5.29 -9.57	74.62 4.82 -9.58	74.66 4.49 -14.05	70.43 4.85 -7.12	76.30 4.92 -12.01	91.20 5.89 -15.15	100.37 6.02 -22.65	89.20 4.66 -27.77	75.67 5.05 -8.31	69.81 4.74 -6.53	60.53 4.64 -0.01	60.46 3.90 -4.54
RAVENSWOOD___3 23535	71.46 3.81 -3.06	68.25 3.13 -13.81	69.37 2.69 -19.41	67.49 2.89 -15.61	55.23 3.37 0.00	60.76 3.71 0.00	75.09 4.52 0.00	88.24 5.46 0.00	90.57 5.52 0.00	89.01 5.57 -0.30	93.88 6.11 -1.79	97.03 5.98 -12.35	80.74 5.02 -9.57	74.38 4.57 -9.58	74.43 4.26 -14.05	70.15 4.56 -7.12	76.01 4.63 -12.01	90.85 5.54 -15.15	98.56 5.66 -21.19	88.97 4.43 -27.77	75.42 4.80 -8.31	69.58 4.51 -6.53	60.25 4.36 0.00	60.18 3.64 -4.53
RAVENSWOOD___4 23820	71.79 4.14 -3.07	68.51 3.39 -13.82	69.61 2.93 -19.41	67.74 3.14 -15.61	54.13 3.58 1.30	60.26 3.93 0.73	75.44 4.87 -0.01	88.67 5.88 -0.01	90.83 5.79 0.00	89.25 5.82 -0.30	94.13 6.36 -1.79	97.35 6.30 -12.35	81.01 5.29 -9.57	74.62 4.82 -9.58	74.66 4.49 -14.05	70.43 4.85 -7.12	76.24 4.87 -12.01	91.13 5.82 -15.15	94.50 5.95 -16.85	89.20 4.66 -27.77	75.67 5.05 -8.31	69.75 4.69 -6.52	59.39 4.64 1.14	59.29 3.90 -3.38
RCPL_TRUST___DRP 24196	71.46 3.81 -3.06	68.25 3.13 -13.81	69.37 2.69 -19.41	67.49 2.89 -15.61	55.18 3.32 0.00	60.71 3.65 0.00	75.15 4.59 0.00	88.25 5.46 0.00	90.66 5.61 0.00	89.01 5.57 -0.30	93.96 6.19 -1.79	97.11 6.06 -12.34	80.74 5.03 -9.57	74.44 4.64 -9.58	74.49 4.32 -14.04	70.20 4.62 -7.12	76.06 4.69 -12.01	90.92 5.61 -15.15	98.56 5.66 -21.19	88.97 4.43 -27.77	75.42 4.80 -8.31	69.58 4.51 -6.53	60.19 4.30 0.00	60.13 3.59 -4.53
RED___ROCHESTER 323720	61.16 -3.43 0.00	51.24 -1.74 -1.68	48.30 -1.61 -2.63	49.61 -1.62 -2.23	49.89 -1.97 0.00	55.12 -1.94 0.00	67.18 -3.39 0.00	77.65 -5.13 0.00	79.86 -5.10 0.08	77.77 -5.32 0.04	80.40 -5.16 0.42	75.91 -4.48 -1.69	64.08 -3.51 -1.44	58.77 -2.71 -1.25	55.31 -2.58 -1.77	56.73 -2.63 -0.89	58.61 -2.26 -1.50	68.74 -3.09 -1.66	71.08 -2.87 -2.24	57.22 -2.61 -3.06	60.77 -2.61 -1.07	57.55 -1.82 -0.82	53.99 -1.90 0.00	51.67 -0.99 -0.65
REGAN___SOLAR 323812	102.77 5.30 -32.88	93.98 4.31 -38.36	86.90 3.97 -35.66	74.21 4.12 -21.10	56.47 4.61 0.00	62.08 5.02 0.00	76.64 6.07 0.00	90.24 7.45 0.00	92.36 7.31 0.00	93.31 6.98 -3.19	112.57 7.30 -19.28	117.72 6.53 -32.48	112.69 5.62 -40.92	83.09 5.12 -17.75	79.89 4.77 -19.00	73.30 5.20 -9.64	81.13 5.52 -16.25	97.53 6.88 -20.49	107.40 7.03 -28.66	111.53 5.62 -49.14	83.43 6.04 -15.08	73.00 5.62 -8.83	61.31 5.42 0.00	62.72 4.58 -6.13
RENSSELAER___COGEN 23796	84.67 2.65 -17.43	79.73 2.20 -26.22	77.45 2.03 -28.15	70.13 2.11 -19.03	54.14 2.28 0.00	59.45 2.40 0.00	73.25 2.68 0.00	85.85 3.06 0.00	88.27 3.23 0.00	87.99 3.16 -1.69	99.73 3.53 -10.22	105.01 3.46 -22.84	94.47 2.84 -25.47	76.92 2.65 -14.05	75.72 2.47 -17.13	69.55 2.40 -8.69	76.39 2.38 -14.65	91.37 2.73 -18.48	100.34 2.79 -25.85	98.56 2.21 -39.58	76.83 2.50 -12.03	68.79 2.28 -7.97	58.18 2.29 0.00	59.78 2.24 -5.53
REPUBLIC_115KV_BARTNBRK 55605	106.02 8.65 -32.77	95.51 6.98 -37.22	87.74 6.52 -33.95	75.39 6.71 -19.69	59.33 7.47 0.00	65.39 8.33 0.00	80.52 9.95 0.00	95.12 12.33 0.00	97.71 12.67 0.00	98.95 12.64 -3.18	118.52 13.33 -19.22	122.62 12.12 -31.79	116.84 9.86 -40.84	86.20 8.97 -17.01	82.24 8.42 -17.70	76.56 9.12 -8.98	83.88 9.38 -15.14	100.55 11.30 -19.10	109.81 11.40 -26.71	112.77 9.08 -46.92	86.52 9.78 -14.42	75.85 9.07 -8.23	64.61 8.72 0.00	65.37 7.65 -5.71
REVERE_CPPR_DRP 24186	66.78 2.20 0.00	53.78 1.80 -0.68	49.89 1.56 -1.06	51.51 1.62 -0.90	53.62 1.76 0.00	59.11 2.05 0.00	73.18 2.61 0.00	85.93 3.15 0.00	88.19 3.15 0.00	86.13 2.99 0.00	89.67 3.70 0.00	82.57 3.46 -0.40	68.99 2.84 0.00	63.26 2.59 -0.45	59.22 2.30 -0.80	61.50 2.63 -0.41	62.58 2.61 -0.61	74.10 3.09 -0.85	76.18 3.30 -1.18	60.61 2.50 -1.34	65.38 2.68 -0.39	61.19 2.28 -0.37	58.01 2.12 0.00	54.10 1.82 -0.26
REYNOLDS_115KV_TB3 80639	86.39 2.97 -18.83	80.91 2.41 -27.19	78.12 2.22 -28.63	70.35 2.30 -19.05	54.30 2.44 0.00	59.63 2.57 0.00	73.60 3.03 0.00	86.26 3.48 0.00	88.70 3.66 0.00	88.62 3.66 -1.82	100.97 3.95 -11.04	106.22 3.86 -23.65	96.22 3.18 -26.89	77.48 2.95 -14.30	76.02 2.75 -17.15	69.97 2.81 -8.70	76.82 2.79 -14.67	91.89 3.23 -18.50	100.88 3.30 -25.88	99.59 2.61 -40.21	77.48 2.93 -12.24	69.21 2.69 -7.98	58.52 2.63 0.00	59.99 2.44 -5.53
RIVERBAY____ 323610	72.43 4.78 -3.07	69.08 3.95 -13.82	70.18 3.50 -19.41	68.33 3.72 -15.61	55.86 3.99 -0.01	61.40 4.34 -0.01	76.08 5.50 -0.01	89.33 6.54 -0.01	91.08 6.04 0.00	89.42 5.99 -0.30	94.31 6.53 -1.79	97.43 6.38 -12.35	81.01 5.29 -9.57	74.68 4.88 -9.58	74.71 4.55 -14.05	70.50 4.91 -7.12	76.42 5.05 -12.01	91.28 5.96 -15.15	99.00 6.09 -21.20	89.32 4.77 -27.78	75.74 5.11 -8.31	70.05 4.98 -6.53	60.82 4.92 -0.01	60.77 4.21 -4.54
RIVERSDE_115KV_TB3 55908	86.54 2.84 -19.11	81.09 2.36 -27.42	78.22 2.17 -28.78	70.29 2.20 -19.09	54.24 2.39 0.00	59.57 2.51 0.00	73.53 2.96 0.00	86.09 3.31 0.00	88.61 3.57 0.00	88.57 3.58 -1.85	101.05 3.87 -11.21	106.33 3.78 -23.84	96.45 3.11 -27.19	77.55 2.95 -14.38	76.06 2.75 -17.19	69.87 2.69 -8.72	76.74 2.67 -14.70	91.79 3.09 -18.55	100.73 3.08 -25.94	99.67 2.50 -40.41	77.41 2.80 -12.30	69.11 2.58 -8.00	58.41 2.52 0.00	59.95 2.39 -5.54
ROARING___BROOK_WT_PWR 323790	62.98 -1.61 0.00	49.93 -1.38 0.00	46.00 -1.27 0.00	47.62 -1.37 0.00	50.30 -1.55 0.00	55.35 -1.71 0.00	68.59 -1.98 0.00	80.55 -2.23 0.00	82.75 -2.29 0.00	80.98 -2.16 0.00	83.57 -2.41 0.00	76.42 -2.29 0.00	64.23 -1.92 0.00	58.42 -1.81 0.00	54.44 -1.68 0.00	56.65 -1.81 0.00	53.18 -1.90 4.28	67.98 -2.18 0.00	68.71 -2.30 0.70	55.01 -1.76 0.00	60.38 -1.93 0.00	56.73 -1.82 0.00	54.16 -1.73 0.00	50.50 -1.51 0.00



ROCHESRG_115KV_T4 355643	60.52 -4.07 0.00	50.77 -2.21 -1.67	47.81 -2.08 -2.62	49.16 -2.06 -2.22	49.37 -2.49 0.00	54.49 -2.57 0.00	66.40 -4.16 0.00	76.65 -6.13 0.00	78.74 -6.21 0.10	76.69 -6.40 0.05	79.18 -6.28 0.52	74.85 -5.51 -1.65	63.28 -4.30 -1.43	57.95 -3.49 -1.22	54.51 -3.31 -1.70	55.82 -3.51 -0.86	57.67 -3.15 -1.46	67.65 -4.07 -1.56	69.76 -4.02 -2.08	56.17 -3.46 -2.86	59.87 -3.49 -1.05	56.77 -2.58 -0.80	53.32 -2.57 0.00	51.10 -1.56 -0.64
ROCHESTER_9_IC 23652	60.84 -3.75 0.00	51.04 -1.95 -1.68	48.06 -1.84 -2.63	49.41 -1.81 -2.23	49.63 -2.23 0.00	54.83 -2.23 0.00	66.83 -3.74 0.00	77.23 -5.55 0.00	79.35 -5.61 0.08	77.28 -5.82 0.04	79.88 -5.67 0.42	75.43 -4.96 -1.69	63.75 -3.84 -1.44	58.40 -3.07 -1.25	54.96 -2.92 -1.76	56.26 -3.10 -0.89	58.14 -2.73 -1.51	68.25 -3.58 -1.67	70.52 -3.44 -2.25	56.84 -3.01 -3.08	60.40 -2.99 -1.08	57.20 -2.17 -0.83	53.65 -2.24 0.00	51.41 -1.25 -0.65
ROCKVIEW_13_KV_LD 356306	71.46 3.81 -3.06	68.25 3.13 -13.81	69.42 2.74 -19.41	67.49 2.89 -15.61	55.18 3.32 0.00	60.77 3.71 0.00	75.08 4.52 0.00	88.25 5.46 0.00	90.57 5.53 0.00	88.92 5.49 -0.30	93.88 6.10 -1.79	97.03 5.98 -12.34	80.68 4.96 -9.57	74.38 4.58 -9.58	74.38 4.21 -14.05	70.14 4.56 -7.12	76.00 4.63 -12.01	90.85 5.54 -15.15	98.56 5.66 -21.19	88.97 4.43 -27.78	75.42 4.80 -8.31	69.58 4.51 -6.53	60.19 4.30 0.00	60.13 3.59 -4.53
ROME____115KV_TB2 80656	66.78 2.20 0.00	53.78 1.80 -0.68	49.89 1.56 -1.06	51.51 1.62 -0.90	53.62 1.76 0.00	59.11 2.05 0.00	73.18 2.61 0.00	85.93 3.15 0.00	88.19 3.15 0.00	86.13 2.99 0.00	89.67 3.70 0.00	82.57 3.46 -0.40	68.99 2.84 0.00	63.26 2.59 -0.45	59.22 2.30 -0.80	61.50 2.63 -0.41	62.58 2.61 -0.61	74.10 3.09 -0.85	76.18 3.30 -1.18	60.61 2.50 -1.34	65.38 2.68 -0.39	61.19 2.28 -0.37	58.01 2.12 0.00	54.10 1.82 -0.26
ROSETON____1 23587	70.59 3.04 -2.97	67.56 2.51 -13.74	68.86 2.22 -19.37	66.95 2.35 -15.60	54.50 2.64 0.00	59.91 2.85 0.00	74.02 3.46 0.00	86.92 4.14 0.00	89.29 4.25 0.00	87.58 4.16 -0.29	92.44 4.73 -1.74	95.64 4.64 -12.29	79.46 3.84 -9.48	73.33 3.55 -9.56	73.41 3.25 -14.04	69.09 3.51 -7.12	74.99 3.62 -12.00	89.58 4.28 -15.14	97.26 4.37 -21.18	87.90 3.41 -27.72	74.35 3.74 -8.30	68.52 3.45 -6.53	59.24 3.35 0.00	59.35 2.81 -4.53
ROSETON____2 23588	70.59 3.04 -2.97	67.56 2.51 -13.74	68.86 2.22 -19.37	66.95 2.35 -15.60	54.50 2.64 0.00	59.91 2.85 0.00	74.02 3.46 0.00	86.92 4.14 0.00	89.29 4.25 0.00	87.58 4.16 -0.29	92.44 4.73 -1.74	95.64 4.64 -12.29	79.46 3.84 -9.48	73.33 3.55 -9.56	73.41 3.25 -14.04	69.09 3.51 -7.12	74.99 3.62 -12.00	89.58 4.28 -15.14	97.26 4.37 -21.18	87.90 3.41 -27.72	74.35 3.74 -8.30	68.52 3.45 -6.53	59.24 3.35 0.00	59.35 2.81 -4.53
ROTTTRDAM_115KV_TB3 80664	103.23 2.58 -36.06	93.11 2.16 -39.65	84.55 1.99 -35.30	70.97 2.06 -19.92	54.09 2.23 0.00	59.45 2.40 0.00	73.39 2.82 0.00	86.18 3.39 0.00	88.53 3.49 0.00	90.04 3.41 -3.49	110.82 3.70 -21.15	116.18 3.46 -34.01	113.63 2.91 -44.57	80.71 2.71 -17.78	76.52 2.47 -17.93	70.25 2.69 -9.09	77.49 2.79 -15.34	92.80 3.30 -19.35	102.13 3.37 -27.06	108.29 2.67 -48.85	80.29 2.93 -15.05	69.58 2.69 -8.34	58.52 2.63 0.00	60.03 2.24 -5.78
RUSSELL____1 23602	61.17 -3.42 0.00	51.24 -1.74 -1.68	48.30 -1.61 -2.63	49.61 -1.62 -2.23	49.89 -1.97 0.00	55.06 -2.00 0.00	67.18 -3.39 0.00	77.65 -5.13 0.00	79.86 -5.10 0.08	77.78 -5.32 0.04	80.40 -5.16 0.42	75.91 -4.49 -1.69	64.15 -3.44 -1.44	58.76 -2.71 -1.25	55.30 -2.58 -1.76	56.67 -2.69 -0.89	58.56 -2.32 -1.51	68.74 -3.09 -1.67	71.09 -2.87 -2.25	57.23 -2.61 -3.08	60.77 -2.62 -1.08	57.56 -1.81 -0.83	53.99 -1.90 0.00	51.67 -0.99 -0.65
RUSSELL____2 23532	61.17 -3.42 0.00	51.24 -1.74 -1.68	48.30 -1.61 -2.63	49.61 -1.62 -2.23	49.89 -1.97 0.00	55.06 -2.00 0.00	67.18 -3.39 0.00	77.65 -5.13 0.00	79.86 -5.10 0.08	77.78 -5.32 0.04	80.40 -5.16 0.42	75.91 -4.49 -1.69	64.15 -3.44 -1.44	58.76 -2.71 -1.25	55.30 -2.58 -1.76	56.67 -2.69 -0.89	58.56 -2.32 -1.51	68.74 -3.09 -1.67	71.09 -2.87 -2.25	57.23 -2.61 -3.08	60.77 -2.62 -1.08	57.56 -1.81 -0.83	53.99 -1.90 0.00	51.67 -0.99 -0.65
RUSSELL____3 23549	61.17 -3.42 0.00	51.24 -1.74 -1.68	48.30 -1.61 -2.63	49.61 -1.62 -2.23	49.89 -1.97 0.00	55.06 -2.00 0.00	67.18 -3.39 0.00	77.65 -5.13 0.00	79.86 -5.10 0.08	77.78 -5.32 0.04	80.40 -5.16 0.42	75.91 -4.49 -1.69	64.15 -3.44 -1.44	58.76 -2.71 -1.25	55.30 -2.58 -1.76	56.67 -2.69 -0.89	58.56 -2.32 -1.51	68.74 -3.09 -1.67	71.09 -2.87 -2.25	57.23 -2.61 -3.08	60.77 -2.62 -1.08	57.56 -1.81 -0.83	53.99 -1.90 0.00	51.67 -0.99 -0.65
RUSSELL____4 23556	61.17 -3.42 0.00	51.24 -1.74 -1.68	48.30 -1.61 -2.63	49.61 -1.62 -2.23	49.89 -1.97 0.00	55.06 -2.00 0.00	67.18 -3.39 0.00	77.65 -5.13 0.00	79.86 -5.10 0.08	77.78 -5.32 0.04	80.40 -5.16 0.42	75.91 -4.49 -1.69	64.15 -3.44 -1.44	58.76 -2.71 -1.25	55.30 -2.58 -1.76	56.67 -2.69 -0.89	58.56 -2.32 -1.51	68.74 -3.09 -1.67	71.09 -2.87 -2.25	57.23 -2.61 -3.08	60.77 -2.62 -1.08	57.56 -1.81 -0.83	53.99 -1.90 0.00	51.67 -0.99 -0.65
RUSSELL____STATION 23914	61.17 -3.42 0.00	51.24 -1.74 -1.68	48.30 -1.61 -2.63	49.61 -1.62 -2.23	49.89 -1.97 0.00	55.06 -2.00 0.00	67.18 -3.39 0.00	77.65 -5.13 0.00	79.86 -5.10 0.08	77.78 -5.32 0.04	80.40 -5.16 0.42	75.91 -4.49 -1.69	64.15 -3.44 -1.44	58.76 -2.71 -1.25	55.30 -2.58 -1.76	56.67 -2.69 -0.89	58.56 -2.32 -1.51	68.74 -3.09 -1.67	71.09 -2.87 -2.25	57.23 -2.61 -3.08	60.77 -2.62 -1.08	57.56 -1.81 -0.83	53.99 -1.90 0.00	51.67 -0.99 -0.65
S SALMON____HYD 24043	63.30 -1.29 0.00	51.52 -0.82 -1.04	48.10 -0.80 -1.63	49.54 -0.83 -1.38	50.98 -0.88 0.00	56.14 -0.92 0.00	69.16 -1.41 0.00	81.04 -1.74 0.00	83.25 -1.79 0.00	81.23 -1.91 0.00	84.43 -1.55 0.00	78.32 -1.03 -0.63	65.09 -1.06 0.00	60.00 -0.97 -0.75	56.54 -0.90 -1.32	58.19 -0.94 -0.67	59.53 -0.71 -0.88	70.66 -0.84 -1.34	72.90 -0.65 -1.85	58.20 -0.68 -2.11	62.31 -0.62 -0.62	58.59 -0.53 -0.58	55.28 -0.61 0.00	51.84 -0.57 -0.40
S.PERRY__115KV_TB1 80734	60.46 -4.13 0.00	50.85 -2.72 -2.26	48.27 -2.55 -3.55	49.40 -2.60 -3.01	49.27 -2.59 0.00	54.55 -2.51 0.00	66.62 -3.95 0.00	77.49 -5.38 -0.09	81.89 -5.44 -2.29	78.26 -6.07 -1.19	92.24 -6.10 -12.36	79.07 -5.51 -5.87	63.87 -4.37 -2.09	61.92 -3.85 -5.55	62.20 -3.54 -9.62	59.97 -3.39 -4.90	64.93 -2.67 -8.24	83.85 -3.09 -16.78	94.54 -2.72 -25.56	85.29 -2.55 -31.08	64.78 -2.62 -5.09	60.36 -2.46 -4.28	55.61 -0.28 0.00	52.94 0.05 -0.87
SAWYER_23_KV_LOAD_REV_LBMP_A 345024	58.58 -6.01 0.00	49.23 -4.16 -2.07	46.75 -3.78 -3.26	47.84 -3.92 -2.76	48.02 -3.84 0.00	53.29 -3.77 0.00	64.07 -6.49 0.00	73.65 -9.11 0.03	75.09 -9.27 0.69	73.31 -9.48 0.35	72.80 -9.46 3.72	71.61 -8.34 -1.24	61.27 -6.68 -1.80	55.25 -5.60 -0.62	51.28 -5.28 -0.43	53.24 -5.44 -0.21	54.62 -5.11 -0.37	62.40 -6.31 1.44	63.12 -6.31 2.28	49.26 -5.28 2.23	57.23 -5.55 -0.46	53.77 -5.03 -0.26	51.75 -4.14 0.00	49.59 -3.22 -0.80



SAWYER___23_KV_LOAD 55526	58.58	49.23	46.75	47.84	48.02	53.29	64.07	73.65	75.09	73.31	72.80	71.61	61.27	55.25	51.28	53.24	54.62	62.40	63.12	49.26	57.23	53.77	51.75	49.59
	-6.01	-4.16	-3.78	-3.92	-3.84	-3.77	-6.49	-9.11	-9.27	-9.48	-9.46	-8.34	-6.68	-5.60	-5.28	-5.44	-5.11	-6.31	-6.31	-5.28	-5.55	-5.03	-4.14	-3.22
	0.00	-2.07	-3.26	-2.76	0.00	0.00	0.00	0.03	0.69	0.35	3.72	-1.24	-1.80	-0.62	-0.43	-0.21	-0.37	1.44	2.28	2.23	-0.46	-0.26	0.00	-0.80
SELKIRK___I 23801	82.73	78.28	77.17	71.15	56.06	61.39	75.37	88.08	92.36	90.94	100.55	104.98	92.38	77.53	76.88	71.47	76.23	91.18	100.11	96.03	76.10	68.79	58.41	59.74
	4.59	3.74	3.55	3.57	4.20	4.33	4.80	5.30	7.31	6.49	6.62	5.98	4.77	4.28	4.21	4.62	2.43	2.81	2.94	2.33	2.62	2.40	2.52	2.29
	-13.55	-23.22	-26.35	-18.58	0.00	0.00	0.00	0.00	0.00	-1.31	-7.95	-20.29	-21.46	-13.03	-16.55	-8.39	-14.43	-18.21	-25.47	-36.94	-11.17	-7.85	0.00	-5.44
SELKIRK___II 23799	80.30	76.65	75.83	69.88	54.04	59.34	73.18	85.68	88.02	87.33	97.02	102.26	90.02	75.97	75.47	69.38	76.25	91.21	100.14	96.59	76.14	68.69	58.13	59.54
	2.45	2.05	1.89	1.96	2.18	2.28	2.61	2.90	2.97	2.91	3.27	3.15	2.65	2.47	2.30	2.28	2.31	2.67	2.72	2.16	2.43	2.22	2.24	2.03
	-13.26	-23.28	-26.66	-18.93	0.00	0.00	0.00	0.00	0.00	-1.28	-7.77	-20.40	-21.22	-13.27	-17.05	-8.65	-14.57	-18.38	-25.71	-37.66	-11.40	-7.93	0.00	-5.50
SENECA OSWGO___HYD 24041	62.71	51.24	47.97	49.32	50.61	55.75	68.66	80.21	82.49	80.48	83.57	77.36	64.50	59.52	56.19	57.84	59.37	70.26	72.52	58.00	61.76	58.08	54.77	51.53
	-1.88	-1.23	-1.13	-1.22	-1.25	-1.31	-1.90	-2.57	-2.55	-2.66	-2.41	-2.05	-1.65	-1.50	-1.35	-1.34	-1.19	-1.40	-1.29	-1.13	-1.25	-1.11	-1.12	-0.93
	0.00	-1.16	-1.83	-1.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.70	0.00	-0.80	-1.42	-0.72	-1.19	-1.51	-2.11	-2.37	-0.70	-0.65	0.00	-0.45
SENECA___115KV_TB3 355854	59.29	49.36	46.92	47.94	48.54	53.86	64.85	75.14	76.56	74.77	74.07	73.03	62.39	56.00	51.88	54.19	55.39	63.45	63.96	49.73	58.20	54.09	52.48	49.78
	-5.30	-4.10	-3.73	-3.92	-3.32	-3.20	-5.72	-7.62	-7.74	-7.98	-7.91	-6.93	-5.62	-4.82	-4.60	-4.44	-4.27	-5.05	-4.95	-4.20	-4.55	-4.68	-3.41	-3.07
	0.00	-2.15	-3.38	-2.86	0.00	0.00	0.00	0.03	0.74	0.38	3.99	-1.24	-1.87	-0.60	-0.36	-0.18	-0.31	1.65	2.80	2.83	-0.43	-0.23	0.00	-0.83
SENECA___ENERGY 23797	62.71	51.92	48.97	50.24	50.87	56.20	68.95	80.47	82.99	80.64	84.43	78.87	66.03	60.48	57.35	58.54	60.61	72.40	75.49	61.88	62.87	58.79	55.11	52.07
	-1.88	-1.13	-1.04	-1.08	-0.99	-0.85	-1.62	-2.32	-2.21	-2.58	-2.41	-1.96	-1.65	-1.45	-1.35	-1.23	-0.95	-0.98	-0.86	-0.85	-0.93	-0.94	-0.78	-0.62
	0.00	-1.74	-2.74	-2.32	0.00	0.00	0.00	-0.01	-0.16	-0.08	-0.86	-2.13	-1.53	-1.70	-2.58	-1.31	-2.20	-3.22	-4.65	-5.96	-1.49	-1.18	0.00	-0.67
SHOEMAKER___GT 23640	69.96	66.08	66.85	65.22	54.19	59.57	73.60	86.18	88.53	86.90	91.57	93.82	78.11	71.91	71.68	67.94	73.43	87.73	94.87	85.11	73.15	67.50	58.79	58.55
	2.59	2.15	1.84	1.96	2.34	2.51	3.03	3.40	3.49	3.49	3.96	3.86	3.24	2.95	2.75	2.98	3.08	3.72	3.80	2.95	3.24	2.98	2.90	2.39
	-2.78	-12.61	-17.74	-14.27	0.00	0.00	0.00	0.00	0.00	-0.27	-1.63	-11.26	-8.72	-8.74	-12.81	-6.50	-10.98	-13.85	-19.37	-25.39	-7.60	-5.97	0.00	-4.14
SHOEMAKR_138KV_BK 111 55601	69.87	65.94	66.73	65.13	54.14	59.51	73.53	86.18	88.53	86.90	91.55	93.76	77.99	71.85	71.60	67.96	73.33	87.54	94.63	84.89	73.08	67.45	58.80	58.52
	2.52	2.10	1.84	1.96	2.28	2.45	2.96	3.39	3.49	3.49	3.95	3.86	3.18	2.95	2.75	3.04	3.09	3.65	3.73	2.95	3.24	2.99	2.91	2.39
	-2.76	-12.53	-17.62	-14.17	0.00	0.00	0.00	0.00	0.00	-0.27	-1.62	-11.20	-8.66	-8.68	-12.73	-6.45	-10.88	-13.73	-19.20	-25.17	-7.53	-5.92	0.00	-4.11
SHOREHAM_IC_1 23715	118.10	84.15	82.82	78.97	79.01	78.57	130.71	151.45	154.80	154.63	171.71	145.54	136.20	130.64	130.67	145.91	142.84	155.20	155.66	145.43	138.59	119.68	115.81	108.12
	6.14	4.98	4.40	4.70	5.24	5.65	6.99	8.77	9.10	8.81	9.20	7.72	6.15	5.66	5.61	6.55	6.12	7.65	8.24	6.01	6.79	6.20	6.31	5.46
	-47.37	-27.87	-31.15	-25.28	-21.91	-15.86	-53.15	-59.90	-60.65	-62.68	-76.53	-59.11	-63.89	-64.76	-68.94	-80.90	-77.36	-77.39	-75.71	-82.64	-69.49	-54.94	-53.61	-50.64
SHOREHAM_IC_2 23716	118.10	84.15	82.82	78.97	79.01	78.57	130.71	151.45	154.80	154.63	171.71	145.54	136.20	130.64	130.67	145.91	142.84	155.20	155.66	145.43	138.59	119.68	115.81	108.12
	6.14	4.98	4.40	4.70	5.24	5.65	6.99	8.77	9.10	8.81	9.20	7.72	6.15	5.66	5.61	6.55	6.12	7.65	8.24	6.01	6.79	6.20	6.31	5.46
	-47.37	-27.87	-31.15	-25.28	-21.91	-15.86	-53.15	-59.90	-60.65	-62.68	-76.53	-59.11	-63.89	-64.76	-68.94	-80.90	-77.36	-77.39	-75.71	-82.64	-69.49	-54.94	-53.61	-50.64
SISSONVILLE____ 23735	64.52	51.15	47.16	48.77	51.13	56.37	70.21	82.20	83.68	81.89	84.77	77.57	65.09	59.14	55.00	56.71	55.12	67.63	68.73	54.78	60.01	56.55	54.38	50.90
	-0.06	-0.36	-0.43	-0.49	-0.73	-0.68	-0.35	-0.58	-1.36	-1.25	-1.20	-1.26	-1.06	-1.08	-1.12	-1.75	-2.26	-2.53	-2.65	-1.99	-2.31	-1.99	-1.51	-1.20
	0.00	-0.20	-0.31	-0.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.12	0.00	0.00	0.00	0.00	1.98	0.00	0.32	0.00	0.00	0.00	0.00	-0.08
SITHE_IND_GS1 24169	61.75	50.27	46.93	48.36	49.83	54.89	67.61	78.98	81.22	79.32	82.20	75.97	63.43	58.47	55.09	56.77	58.15	68.73	70.86	56.56	60.58	56.97	53.88	50.62
	-2.84	-2.00	-1.84	-1.91	-2.02	-2.17	-2.96	-3.81	-3.83	-3.82	-3.78	-3.30	-2.71	-2.41	-2.19	-2.28	-2.20	-2.67	-2.58	-2.16	-2.30	-2.11	-2.01	-1.77
	0.00	-0.96	-1.51	-1.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.57	0.00	-0.65	-1.16	-0.59	-0.98	-1.24	-1.74	-1.95	-0.57	-0.53	0.00	-0.37
SITHE_IND_GS2 24170	61.75	50.27	46.93	48.36	49.83	54.89	67.61	78.98	81.22	79.32	82.20	75.97	63.43	58.47	55.09	56.77	58.15	68.73	70.86	56.56	60.58	56.97	53.88	50.62
	-2.84	-2.00	-1.84	-1.91	-2.02	-2.17	-2.96	-3.81	-3.83	-3.82	-3.78	-3.30	-2.71	-2.41	-2.19	-2.28	-2.20	-2.67	-2.58	-2.16	-2.30	-2.11	-2.01	-1.77
	0.00	-0.96	-1.51	-1.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.57	0.00	-0.65	-1.16	-0.59	-0.98	-1.24	-1.74	-1.95	-0.57	-0.53	0.00	-0.37
SITHE_IND_GS3 24171	61.75	50.27	46.93	48.36	49.83	54.89	67.61	78.98	81.22	79.32	82.20	75.97	63.43	58.47	55.09	56.77	58.15	68.73	70.86	56.56	60.58	56.97	53.88	50.62
	-2.84	-2.00	-1.84	-1.91	-2.02	-2.17	-2.96	-3.81	-3.83	-3.82	-3.78	-3.30	-2.71	-2.41	-2.19	-2.28	-2.20	-2.67	-2.58	-2.16	-2.30	-2.11	-2.01	-1.77
	0.00	-0.96	-1.51	-1.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.57	0.00	-0.65	-1.16	-0.59	-0.98	-1.24	-1.74	-1.95	-0.57	-0.53	0.00	-0.37
SITHE_IND_GS4 24172	61.75	50.27	46.93	48.36	49.83	54.89	67.61	78.98	81.22	79.32	82.20	75.97	63.43	58.47	55.09	56.77	58.15	68.73	70.86	56.56	60.58	56.97	53.88	50.62
	-2.84	-2.00	-1.84	-1.91	-2.02	-2.17	-2.96	-3.81	-3.83	-3.82	-3.78	-3.30	-2.71	-2.41	-2.19	-2.28	-2.20	-2.67	-2.58	-2.16	-2.30	-2.11	-2.01	-1.77
	0.00	-0.96	-1.51	-1.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.57	0.00	-0.65	-1.16	-0.59	-0.98	-1.24	-1.74	-1.95	-0.57	-0.53	0.00	-0.37



SITHE____BATAVIA 24024	60.00 -4.58 0.00	50.42 -2.77 -1.88	47.67 -2.55 -2.96	48.90 -2.60 -2.51	49.16 -2.70 0.00	54.49 -2.57 0.00	65.91 -4.66 0.00	76.06 -6.70 0.01	77.97 -6.72 0.35	76.13 -6.82 0.19	77.30 -6.88 1.79	74.22 -5.98 -1.49	63.08 -4.70 -1.62	57.51 -3.68 -0.96	54.13 -3.14 -1.15	56.00 -3.04 -0.58	57.73 -2.61 -0.98	66.73 -3.65 -0.23	68.25 -3.44 0.01	54.12 -3.07 -0.42	59.99 -3.11 -0.79	56.75 -2.34 -0.56	53.49 -2.40 0.00	51.29 -1.46 -0.73
SITHE____INDEPEND 23800	61.75 -2.84 0.00	50.27 -2.00 -0.96	46.93 -1.84 -1.51	48.36 -1.91 -1.28	49.84 -2.02 0.00	54.89 -2.17 0.00	67.60 -2.96 0.00	78.97 -3.81 0.00	81.22 -3.83 0.00	79.32 -3.82 0.00	82.19 -3.78 0.00	75.97 -3.31 -0.57	63.44 -2.71 0.00	58.47 -2.41 -0.65	55.09 -2.19 -1.15	56.77 -2.28 -0.58	58.15 -2.20 -0.99	68.74 -2.67 -1.25	70.87 -2.58 -1.75	56.57 -2.16 -1.96	60.58 -2.31 -0.58	56.97 -2.11 -0.54	53.88 -2.01 0.00	50.62 -1.77 -0.37
SITHE____MASSENA 23902	64.59 0.00 0.00	50.95 -0.36 0.00	46.94 -0.33 0.00	48.60 -0.39 0.00	51.29 -0.57 0.00	56.49 -0.57 0.00	70.36 -0.21 0.00	82.45 -0.33 0.00	84.45 -0.59 0.00	82.64 -0.50 0.00	85.03 -0.94 0.00	77.68 -1.03 0.00	65.29 -0.86 0.00	59.26 -0.97 0.00	55.22 -0.90 0.00	57.18 -1.29 0.00	55.42 -1.54 2.40	68.47 -1.68 0.00	69.52 -1.79 0.39	55.40 -1.36 0.00	60.76 -1.56 0.00	57.14 -1.41 0.00	54.55 -1.34 0.00	50.98 -1.04 0.00
SITHE____OGDNSBRG 24021	65.56 0.97 0.00	51.67 0.36 0.00	47.51 0.24 0.00	49.19 0.20 0.00	51.86 0.00 0.00	57.17 0.11 0.00	71.27 0.71 0.00	83.61 0.83 0.00	85.38 0.34 0.00	83.56 0.42 0.00	86.15 0.17 0.00	78.63 -0.08 0.00	66.02 -0.13 0.00	59.92 -0.30 0.00	55.84 -0.28 0.00	57.82 -0.64 0.00	56.27 -0.95 2.14	69.18 -0.98 0.00	70.28 -1.08 0.35	56.03 -0.74 0.00	61.38 -0.93 0.00	57.66 -0.88 0.00	55.16 -0.73 0.00	51.55 -0.47 0.00
SITHE____STERLING 23777	66.20 1.62 0.00	53.49 1.39 -0.79	49.70 1.18 -1.25	51.27 1.23 -1.06	53.26 1.40 0.00	58.71 1.66 0.00	72.61 2.05 0.00	85.18 2.40 0.00	87.42 2.38 0.00	85.39 2.25 0.00	88.81 2.83 0.00	81.77 2.59 -0.47	68.33 2.18 0.00	62.74 1.98 -0.53	58.80 1.74 -0.94	60.98 2.05 -0.48	62.19 2.02 -0.81	73.57 2.39 -1.03	75.71 2.58 -1.43	60.31 1.93 -1.61	64.84 2.05 -0.47	60.74 1.75 -0.44	57.57 1.68 0.00	53.78 1.45 -0.31
SLEIGHT__34_KV_TB1 80719	61.75 -2.84 0.00	51.41 -1.54 -1.64	48.38 -1.47 -2.58	49.71 -1.47 -2.18	50.15 -1.71 0.00	55.40 -1.65 0.00	67.81 -2.75 0.00	78.81 -3.97 0.00	81.13 -3.91 0.00	78.90 -4.24 0.00	82.11 -3.87 0.00	77.09 -3.38 -1.77	64.92 -2.65 -1.41	59.41 -2.17 -1.35	56.01 -2.08 -1.97	57.36 -2.10 -1.00	59.21 -1.84 -1.69	69.97 -2.32 -2.13	72.59 -2.08 -2.97	58.76 -1.93 -3.92	61.50 -1.99 -1.18	58.00 -1.46 -0.92	54.33 -1.56 0.00	51.71 -0.94 -0.63
SOUTH CAIRO____GT 23612	81.54 4.71 -12.24	77.09 3.80 -21.99	76.16 3.50 -25.39	70.75 3.63 -18.13	56.68 4.82 0.00	62.19 5.14 0.00	76.49 5.93 0.00	88.82 6.04 0.00	91.76 6.72 0.00	89.73 5.40 -1.19	98.83 5.67 -7.18	103.11 5.12 -19.29	90.27 4.23 -19.89	76.62 3.79 -12.61	76.21 3.82 -16.27	70.86 4.15 -8.25	77.08 3.80 -13.92	92.34 4.63 -17.55	100.84 4.59 -24.55	96.22 3.63 -35.82	77.45 4.30 -10.84	69.97 3.86 -7.57	60.25 4.36 0.00	60.83 3.54 -5.28
SOUTH HAMPTN____IC 23720	118.29 6.33 -47.37	84.36 5.18 -27.87	82.96 4.54 -31.15	79.17 4.90 -25.28	79.21 5.44 -21.91	78.80 5.88 -15.86	130.99 7.27 -53.15	151.79 9.11 -59.90	155.22 9.52 -60.65	155.13 9.31 -62.68	172.05 9.54 -76.53	146.01 8.19 -59.11	136.33 6.29 -63.89	130.76 5.78 -64.76	130.67 5.61 -68.94	145.79 6.43 -80.90	143.14 6.41 -77.36	155.54 8.00 -77.39	155.94 8.53 -75.71	145.71 6.30 -82.64	138.78 6.98 -69.49	119.86 6.38 -54.94	115.87 6.37 -53.61	108.28 5.62 -50.64
SOUTHDOW_115KV_TB1 355954	61.10 -3.49 0.00	50.30 -3.28 -2.27	47.87 -2.98 -3.57	48.84 -3.18 -3.03	49.89 -1.97 0.00	55.57 -1.48 0.00	67.25 -3.32 0.00	78.62 -4.14 0.02	80.30 -4.08 0.66	78.31 -4.49 0.34	78.12 -4.30 3.56	76.67 -3.54 -1.50	65.23 -2.91 -1.99	58.34 -2.71 -0.83	54.18 -2.69 -0.75	56.67 -2.16 -0.37	57.80 -2.20 -0.64	67.04 -2.10 1.02	68.13 -1.72 1.85	53.51 -1.59 1.67	60.90 -2.06 -0.65	55.84 -3.10 -0.40	54.44 -1.45 0.00	50.92 -1.98 -0.88
SOUTHOLD_69_KV_BK 2 55809	118.35 6.39 -47.37	84.36 5.18 -27.87	83.01 4.59 -31.15	79.17 4.90 -25.28	79.22 5.45 -21.91	78.79 5.88 -15.86	130.99 7.27 -53.15	151.95 9.27 -59.90	155.47 9.78 -60.65	155.30 9.48 -62.68	172.05 9.54 -76.53	145.93 8.11 -59.11	134.81 4.76 -63.89	129.49 4.52 -64.76	129.38 4.32 -68.94	144.51 5.14 -80.90	143.14 6.41 -77.36	155.62 8.07 -77.39	155.95 8.53 -75.71	145.66 6.24 -82.65	138.65 6.85 -69.49	119.74 6.26 -54.94	115.65 6.15 -53.61	108.27 5.62 -50.64
SOUTHOLD____IC 23719	118.35 6.40 -47.37	84.36 5.18 -27.87	83.00 4.58 -31.15	79.17 4.90 -25.28	79.21 5.44 -21.91	78.80 5.88 -15.86	130.99 7.27 -53.15	151.95 9.27 -59.90	155.47 9.78 -60.65	155.29 9.47 -62.68	172.05 9.54 -76.53	145.93 8.11 -59.11	134.81 4.77 -63.89	129.32 4.34 -64.76	129.32 4.26 -68.94	144.45 5.08 -80.90	143.08 6.35 -77.36	155.61 8.06 -77.39	155.94 8.53 -75.71	145.66 6.24 -82.64	138.65 6.85 -69.49	119.68 6.20 -54.94	115.65 6.15 -53.61	108.28 5.62 -50.64
SOUTH_FORK_WT_PWR 323839	117.71 5.75 -47.37	83.90 4.72 -27.87	82.53 4.11 -31.15	78.68 4.41 -25.28	78.70 4.93 -21.91	78.22 5.31 -15.86	130.29 6.56 -53.15	151.13 8.45 -59.90	154.62 8.93 -60.65	154.55 8.73 -62.68	171.02 8.51 -76.53	144.98 7.16 -59.11	134.60 4.56 -63.89	129.19 4.21 -64.76	129.15 4.09 -68.94	144.27 4.91 -80.90	142.30 5.58 -77.36	154.71 7.16 -77.39	154.94 7.53 -75.71	144.86 5.45 -82.64	137.84 6.04 -69.49	118.92 5.45 -54.94	114.87 5.37 -53.61	107.76 5.10 -50.64
SPIERFLS_115KV_TB 1 80737	103.25 5.55 -33.11	93.25 4.46 -37.47	85.52 4.16 -34.08	72.97 4.26 -19.71	56.58 4.72 0.00	62.48 5.42 0.00	77.06 6.49 0.00	90.73 7.95 0.00	93.29 8.25 0.00	94.58 8.23 -3.21	114.08 8.68 -19.42	118.55 7.87 -31.97	113.78 6.48 -41.15	83.13 5.84 -17.07	79.29 5.44 -17.72	73.30 5.85 -8.99	80.45 5.94 -15.16	96.50 7.23 -19.12	105.68 7.24 -26.74	109.63 5.79 -47.08	83.02 6.23 -14.47	72.70 5.91 -8.24	61.59 5.70 0.00	62.72 4.99 -5.71
ST LAWRENCE____ 23600	63.94 -0.65 0.00	50.49 -0.82 0.00	46.51 -0.76 0.00	48.16 -0.83 0.00	50.82 -1.04 0.00	56.03 -1.03 0.00	69.65 -0.92 0.00	81.87 -0.91 0.00	84.03 -1.02 0.00	82.23 -0.91 0.00	84.52 -1.46 0.00	77.05 -1.66 0.00	64.76 -1.39 0.00	58.84 -1.38 0.00	54.77 -1.35 0.00	56.83 -1.64 0.00	55.08 -1.78 2.50	68.06 -2.10 0.00	69.07 -2.22 0.41	55.12 -1.65 0.00	60.50 -1.81 0.00	56.84 -1.70 0.00	54.16 -1.73 0.00	50.61 -1.40 0.00
STATE_CA_115KV_115_LB 55624	89.21 2.97 -21.65	82.98 2.41 -29.26	79.26 2.22 -29.77	70.53 2.30 -19.23	54.35 2.49 0.00	59.68 2.62 0.00	73.67 3.10 0.00	86.26 3.48 0.00	88.78 3.74 0.00	88.98 3.74 -2.10	102.80 4.13 -12.70	108.09 4.01 -25.37	99.25 3.31 -29.80	78.19 3.07 -14.89	76.30 2.86 -17.31	70.05 2.81 -8.78	76.96 2.79 -14.81	92.06 3.23 -18.68	101.05 3.23 -26.12	101.01 2.55 -41.69	77.95 2.93 -12.71	69.29 2.69 -8.05	58.52 2.63 0.00	60.09 2.50 -5.58



STATE_ST_34_KV_LOAD 55959	63.62 -0.97 0.00	52.52 -0.51 -1.72	49.50 -0.47 -2.70	50.79 -0.49 -2.29	51.44 -0.41 0.00	56.77 -0.29 0.00	69.86 -0.71 0.00	81.71 -1.08 0.00	84.11 -1.02 -0.08	81.85 -1.33 -0.04	85.40 -1.03 -0.46	79.91 -0.79 -1.99	67.06 -0.60 -1.51	61.24 -0.54 -1.56	57.94 -0.51 -2.32	59.29 -0.35 -1.18	61.23 -0.12 -1.99	72.91 0.00 -2.75	75.76 0.14 -3.92	61.85 0.00 -5.08	63.68 0.00 -1.37	59.56 -0.06 -1.07	55.83 -0.06 0.00	52.63 -0.05 -0.66
STATION 5_MISC_HYD 23604	60.84 -3.75 0.00	51.04 -1.95 -1.68	48.06 -1.84 -2.63	49.41 -1.81 -2.23	49.63 -2.23 0.00	54.83 -2.23 0.00	66.82 -3.74 0.00	77.23 -5.55 0.00	79.35 -5.62 0.08	77.27 -5.82 0.04	79.88 -5.68 0.42	75.44 -4.96 -1.69	63.69 -3.90 -1.44	58.41 -3.07 -1.25	54.97 -2.92 -1.77	56.38 -2.98 -0.89	58.25 -2.61 -1.50	68.25 -3.58 -1.67	70.51 -3.44 -2.24	56.82 -3.01 -3.06	60.33 -3.05 -1.07	57.20 -2.16 -0.83	53.65 -2.24 0.00	51.41 -1.25 -0.65
STA_168_34_KV_BK1_2_REV_LBMP_B 345032	62.26 -2.33 0.00	51.86 -1.13 -1.67	48.81 -1.09 -2.63	50.15 -1.08 -2.23	50.67 -1.19 0.00	55.97 -1.08 0.00	68.52 -2.05 0.00	79.64 -3.15 0.00	81.98 -3.06 0.00	79.65 -3.49 0.00	82.80 -3.18 0.00	77.76 -2.75 -1.81	65.48 -2.12 -1.44	59.92 -1.69 -1.38	56.50 -1.63 -2.01	57.84 -1.64 -1.02	59.84 -1.25 -1.72	70.72 -1.61 -2.17	73.38 -1.36 -3.04	59.42 -1.36 -4.02	62.14 -1.37 -1.20	58.48 -1.00 -0.94	54.88 -1.01 0.00	52.19 -0.47 -0.65
STA_56_34_KV_BUS2_REV_LBMP_B 345033	60.71 -3.88 0.00	50.82 -2.16 -1.66	47.90 -1.99 -2.62	49.20 -2.01 -2.22	49.47 -2.39 0.00	54.60 -2.45 0.00	66.62 -3.95 0.00	77.07 -5.71 0.00	79.35 -5.70 0.00	77.24 -5.90 0.00	80.24 -5.76 -0.03	75.39 -5.12 -1.80	63.61 -3.97 -1.43	58.41 -3.19 -1.38	55.09 -3.03 -2.00	56.26 -3.22 -1.01	58.22 -2.85 -1.71	68.60 -3.72 -2.16	71.13 -3.59 -3.01	57.63 -3.12 -3.98	60.33 -3.18 -1.20	57.07 -2.40 -0.93	53.49 -2.40 0.00	51.20 -1.46 -0.64
STA_56___34_KV_BUS2 355983	60.71 -3.88 0.00	50.82 -2.16 -1.66	47.90 -1.99 -2.62	49.20 -2.01 -2.22	49.47 -2.39 0.00	54.60 -2.45 0.00	66.62 -3.95 0.00	77.07 -5.71 0.00	79.35 -5.70 0.00	77.24 -5.90 0.00	80.24 -5.76 -0.03	75.39 -5.12 -1.80	63.61 -3.97 -1.43	58.41 -3.19 -1.38	55.09 -3.03 -2.00	56.26 -3.22 -1.01	58.22 -2.85 -1.71	68.60 -3.72 -2.16	71.13 -3.59 -3.01	57.63 -3.12 -3.98	60.33 -3.18 -1.20	57.07 -2.40 -0.93	53.49 -2.40 0.00	51.20 -1.46 -0.64
STA_67___115KV_BK2 355882	60.71 -3.88 0.00	50.93 -2.05 -1.67	47.96 -1.94 -2.63	49.31 -1.91 -2.23	49.52 -2.33 0.00	54.72 -2.34 0.00	66.69 -3.88 0.00	76.98 -5.79 0.00	79.18 -5.78 0.08	77.03 -6.07 0.04	79.61 -5.93 0.44	75.19 -5.19 -1.68	63.55 -4.04 -1.44	58.22 -3.25 -1.25	54.79 -3.09 -1.75	56.08 -3.27 -0.89	57.95 -2.91 -1.50	68.03 -3.79 -1.66	70.27 -3.66 -2.23	56.63 -3.18 -3.05	60.21 -3.18 -1.07	57.02 -2.34 -0.82	53.54 -2.35 0.00	51.31 -1.35 -0.65
STA_7___115KV_9TRANS 80674	61.17 -3.42 0.00	51.24 -1.74 -1.68	48.30 -1.61 -2.63	49.61 -1.62 -2.23	49.89 -1.97 0.00	55.06 -2.00 0.00	67.18 -3.39 0.00	77.65 -5.13 0.00	79.86 -5.10 0.08	77.78 -5.32 0.04	80.40 -5.16 0.42	75.91 -4.49 -1.69	64.15 -3.44 -1.44	58.76 -2.71 -1.25	55.30 -2.58 -1.76	56.67 -2.69 -0.89	58.56 -2.32 -1.51	68.74 -3.09 -1.67	71.09 -2.87 -2.25	57.23 -2.61 -3.08	60.77 -2.62 -1.08	57.56 -1.81 -0.83	53.99 -1.90 0.00	51.67 -0.99 -0.65
STA_82___115KV_TB1 80780	60.78 -3.81 0.00	50.94 -2.05 -1.68	48.02 -1.89 -2.64	49.32 -1.91 -2.24	49.52 -2.33 0.00	54.72 -2.34 0.00	66.69 -3.88 0.00	76.99 -5.79 0.00	79.26 -5.78 0.00	77.15 -5.99 0.00	80.08 -5.93 -0.03	75.33 -5.19 -1.82	63.63 -3.97 -1.45	58.36 -3.25 -1.39	55.11 -3.03 -2.02	56.27 -3.22 -1.03	58.24 -2.85 -1.73	68.56 -3.79 -2.19	71.17 -3.59 -3.05	57.62 -3.18 -4.03	60.34 -3.18 -1.21	57.14 -2.34 -0.94	53.54 -2.35 0.00	51.31 -1.35 -0.65
STEEL___WIND 323596	59.23 -5.36 0.00	49.31 -4.15 -2.15	46.87 -3.78 -3.38	47.89 -3.97 -2.86	48.49 -3.37 0.00	53.86 -3.19 0.00	64.78 -5.79 0.00	75.06 -7.70 0.03	76.48 -7.82 0.74	74.61 -8.14 0.38	73.90 -8.09 3.99	72.87 -7.08 -1.25	62.19 -5.82 -1.87	55.88 -4.94 -0.60	51.77 -4.71 -0.36	54.02 -4.62 -0.18	55.27 -4.39 -0.30	63.31 -5.19 1.66	63.81 -5.09 2.81	49.61 -4.32 2.85	58.00 -4.74 -0.43	53.91 -4.86 -0.22	52.37 -3.52 0.00	49.67 -3.17 -0.83
STEPHTWN_115KV_BK_2 55603	85.57 3.55 -17.43	80.45 2.92 -26.22	78.11 2.69 -28.15	70.76 2.74 -19.03	54.87 3.01 0.00	60.31 3.25 0.00	74.38 3.81 0.00	87.17 4.39 0.00	89.63 4.59 0.00	89.48 4.66 -1.69	101.19 4.99 -10.22	106.35 4.80 -22.84	95.59 3.97 -25.47	77.95 3.67 -14.05	76.68 3.42 -17.13	70.60 3.45 -8.69	77.46 3.44 -14.65	92.64 4.00 -18.48	101.57 4.02 -25.85	99.60 3.24 -39.59	77.90 3.55 -12.03	69.79 3.28 -7.97	59.13 3.24 0.00	60.56 3.02 -5.53
STEUBEN_REC_LFGE 323667	61.98 -3.55 -0.94	51.97 -2.77 -3.43	49.41 -2.55 -4.69	50.01 -2.69 -3.72	49.73 -2.13 0.00	55.23 -1.83 0.00	67.18 -3.39 0.00	78.63 -4.22 -0.07	82.76 -4.08 -1.80	79.42 -4.74 -1.02	91.77 -4.47 -10.26	80.29 -4.17 -5.75	65.04 -3.70 -2.60	61.94 -3.49 -5.21	61.69 -3.20 -8.77	59.94 -2.98 -4.46	64.38 -2.49 -7.51	82.19 -2.46 -14.48	91.48 -2.15 -21.92	81.77 -1.87 -26.88	64.93 -2.12 -4.73	60.07 -2.40 -3.92	54.44 -1.45 0.00	51.58 -1.51 -1.08
STILLWATER___SOLAR 323814	100.67 4.45 -31.63	91.33 3.64 -36.38	84.11 3.36 -33.48	72.03 3.43 -19.60	55.59 3.74 0.00	61.11 4.05 0.00	75.30 4.73 0.00	88.57 5.79 0.00	90.99 5.95 0.00	92.11 5.90 -3.07	110.89 6.36 -18.55	115.90 5.91 -31.28	111.02 4.89 -39.98	81.51 4.46 -16.83	77.93 4.15 -17.65	71.85 4.44 -8.95	78.96 4.51 -15.09	94.60 5.40 -19.04	103.85 5.52 -26.63	107.60 4.37 -46.46	81.38 4.80 -14.27	71.20 4.45 -8.21	60.19 4.30 0.00	61.45 3.75 -5.69
STONY___BROOK 24151	117.97 6.01 -47.37	84.06 4.88 -27.87	82.72 4.30 -31.15	78.87 4.60 -25.28	78.91 5.14 -21.91	78.51 5.59 -15.86	130.64 6.92 -53.15	151.29 8.61 -59.90	154.54 8.84 -60.66	154.39 8.57 -62.68	171.55 9.03 -76.54	146.16 8.34 -59.11	136.86 6.81 -63.89	131.24 6.26 -64.76	131.01 5.95 -68.94	145.97 6.60 -80.90	143.31 6.59 -77.36	155.54 8.00 -77.39	155.74 8.31 -75.73	145.77 6.36 -82.64	138.78 6.98 -69.49	119.86 6.38 -54.94	115.76 6.26 -53.61	108.02 5.36 -50.64
STURGEON_POOL_HYD 23609	72.26 2.84 -4.83	68.97 2.36 -15.30	69.73 2.03 -20.43	67.13 2.16 -15.98	54.71 2.85 0.00	60.14 3.08 0.00	74.31 3.74 0.00	87.00 4.22 0.00	89.38 4.34 0.00	87.43 3.82 -0.47	93.20 4.38 -2.83	96.64 4.33 -13.60	81.23 3.57 -11.51	73.56 3.25 -10.08	73.56 3.09 -14.35	69.13 3.39 -7.28	75.14 3.50 -12.27	89.85 4.21 -15.48	97.59 4.23 -21.66	89.16 3.29 -29.10	74.72 3.68 -8.73	68.61 3.40 -6.67	59.47 3.58 0.00	59.31 2.65 -4.64
ST_LAW_115_BK7_LBMP 345037	63.94 -0.65 0.00	50.49 -0.82 0.00	46.51 -0.76 0.00	48.16 -0.83 0.00	50.82 -1.04 0.00	55.97 -1.09 0.00	69.65 -0.92 0.00	81.87 -0.91 0.00	83.93 -1.11 0.00	82.15 -0.99 0.00	84.43 -1.55 0.00	77.05 -1.66 0.00	64.69 -1.46 0.00	58.78 -1.45 0.00	54.72 -1.40 0.00	56.76 -1.70 0.00	54.97 -1.90 2.48	67.98 -2.18 0.00	68.93 -2.36 0.40	55.07 -1.70 0.00	60.38 -1.93 0.00	56.73 -1.82 0.00	54.10 -1.79 0.00	50.56 -1.46 0.00



ST_LAW_115_BK8_LBMP 345038	63.94 -0.65 0.00	50.49 -0.82 0.00	46.51 -0.76 0.00	48.16 -0.83 0.00	50.82 -1.04 0.00	55.97 -1.09 0.00	69.65 -0.92 0.00	81.87 -0.91 0.00	83.93 -1.11 0.00	82.15 -0.99 0.00	84.43 -1.55 0.00	77.05 -1.66 0.00	64.69 -1.46 0.00	58.78 -1.45 0.00	54.72 -1.40 0.00	56.76 -1.70 0.00	54.97 -1.90 2.48	67.98 -2.18 0.00	68.93 -2.36 0.40	55.07 -1.70 0.00	60.38 -1.93 0.00	56.73 -1.82 0.00	54.10 -1.79 0.00	50.56 -1.46 0.00
ST_LAW_230_BK5_LBMP 345035	63.94 -0.65 0.00	50.49 -0.82 0.00	46.51 -0.76 0.00	48.16 -0.83 0.00	50.82 -1.04 0.00	56.03 -1.03 0.00	69.65 -0.92 0.00	81.87 -0.91 0.00	84.03 -1.02 0.00	82.23 -0.91 0.00	84.52 -1.46 0.00	77.05 -1.66 0.00	64.76 -1.39 0.00	58.84 -1.38 0.00	54.77 -1.35 0.00	56.83 -1.64 0.00	55.05 -1.78 2.54	68.06 -2.10 0.00	69.07 -2.22 0.41	55.12 -1.65 0.00	60.50 -1.81 0.00	56.84 -1.70 0.00	54.16 -1.73 0.00	50.61 -1.40 0.00
ST_LAW_230_BK6_LBMP 345036	63.94 -0.65 0.00	50.49 -0.82 0.00	46.51 -0.76 0.00	48.16 -0.83 0.00	50.82 -1.04 0.00	56.03 -1.03 0.00	69.65 -0.92 0.00	81.87 -0.91 0.00	84.03 -1.02 0.00	82.23 -0.91 0.00	84.52 -1.46 0.00	77.05 -1.66 0.00	64.76 -1.39 0.00	58.84 -1.38 0.00	54.77 -1.35 0.00	56.83 -1.64 0.00	55.05 -1.78 2.54	68.06 -2.10 0.00	69.07 -2.22 0.41	55.12 -1.65 0.00	60.50 -1.81 0.00	56.84 -1.70 0.00	54.16 -1.73 0.00	50.61 -1.40 0.00
SUGRLOAF_69_KV_LOAD_REV_LBMP_G 345026	70.21 2.78 -2.85	66.52 2.31 -12.90	67.39 1.99 -18.14	65.69 2.11 -14.59	54.35 2.49 0.00	59.74 2.68 0.00	73.81 3.25 0.00	86.59 3.81 0.00	88.87 3.83 0.00	87.24 3.82 -0.28	91.95 4.30 -1.67	94.48 4.25 -11.52	78.64 3.57 -8.92	72.40 3.25 -8.93	72.25 3.03 -13.10	68.44 3.33 -6.64	73.94 3.38 -11.20	88.36 4.07 -14.13	95.55 4.09 -19.76	85.90 3.24 -25.90	73.62 3.55 -7.75	67.91 3.28 -6.09	59.08 3.19 0.00	58.90 2.65 -4.23
SWANROAD_115KV_TB1 355699	57.10 -7.49 0.00	48.24 -5.08 -2.01	45.80 -4.63 -3.16	46.87 -4.80 -2.68	46.88 -4.98 0.00	51.92 -5.14 0.00	62.38 -8.19 0.00	71.42 -11.34 0.02	72.86 -11.65 0.54	71.80 -11.06 0.29	71.63 -11.52 2.83	70.24 -9.84 -1.37	59.49 -8.40 -1.74	54.02 -6.99 -0.78	51.03 -5.89 -0.81	52.02 -6.84 -0.40	54.17 -5.88 -0.69	61.86 -7.72 0.58	62.50 -7.89 1.32	49.19 -6.47 1.10	56.40 -6.54 -0.63	52.97 -5.97 -0.40	50.52 -5.37 0.00	48.74 -4.06 -0.78
SYNERGY___BIOGAS 323694	60.00 -4.58 0.00	50.42 -2.77 -1.88	47.67 -2.55 -2.96	48.90 -2.60 -2.51	49.16 -2.70 0.00	54.49 -2.57 0.00	65.91 -4.66 0.00	76.06 -6.70 0.01	77.97 -6.72 0.35	76.13 -6.82 0.19	77.30 -6.88 1.79	74.22 -5.98 -1.49	63.08 -4.70 -1.62	57.51 -3.68 -0.96	54.13 -3.14 -1.15	56.00 -3.04 -0.58	57.73 -2.61 -0.98	66.73 -3.65 -0.23	68.25 -3.44 0.01	54.12 -3.07 -0.42	59.99 -3.11 -0.79	56.75 -2.34 -0.56	53.49 -2.40 0.00	51.29 -1.46 -0.73
SYRACUSE___ENERGY_ST1 323597	63.36 -1.23 0.00	52.02 -0.72 -1.43	48.85 -0.66 -2.24	50.21 -0.69 -1.90	51.18 -0.67 0.00	56.37 -0.68 0.00	69.44 -1.13 0.00	81.13 -1.66 0.00	83.51 -1.53 0.00	81.39 -1.75 0.00	84.60 -1.38 0.00	79.13 -1.10 -1.53	66.50 -0.86 -1.21	60.62 -0.78 -1.18	57.11 -0.73 -1.72	58.69 -0.64 -0.87	60.30 -0.53 -1.47	71.46 -0.56 -1.86	73.87 -0.43 -2.60	59.68 -0.51 -3.42	62.84 -0.50 -1.03	58.93 -0.41 -0.80	55.44 -0.45 0.00	52.20 -0.36 -0.55
SYRACUSE___ENERGY_ST2 323598	63.36 -1.23 0.00	52.02 -0.72 -1.43	48.85 -0.66 -2.24	50.21 -0.69 -1.90	51.18 -0.67 0.00	56.37 -0.68 0.00	69.44 -1.13 0.00	81.13 -1.66 0.00	83.51 -1.53 0.00	81.39 -1.75 0.00	84.60 -1.38 0.00	79.13 -1.10 -1.53	66.50 -0.86 -1.21	60.62 -0.78 -1.18	57.11 -0.73 -1.72	58.69 -0.64 -0.87	60.30 -0.53 -1.47	71.46 -0.56 -1.86	73.87 -0.43 -2.60	59.68 -0.51 -3.42	62.84 -0.50 -1.03	58.93 -0.41 -0.80	55.44 -0.45 0.00	52.20 -0.36 -0.55
SYRACUSE___POWER 24017	63.23 -1.36 0.00	51.96 -0.82 -1.47	48.83 -0.76 -2.32	50.12 -0.83 -1.96	51.08 -0.78 0.00	56.32 -0.74 0.00	69.37 -1.20 0.00	81.04 -1.74 0.00	83.43 -1.62 0.00	81.31 -1.83 0.00	84.52 -1.46 0.00	79.03 -1.26 -1.58	66.41 -0.99 -1.25	60.60 -0.84 -1.22	57.11 -0.79 -1.77	58.66 -0.70 -0.90	60.29 -0.59 -1.52	71.44 -0.63 -1.92	73.88 -0.50 -2.68	59.73 -0.57 -3.53	62.75 -0.62 -1.06	58.84 -0.53 -0.83	55.39 -0.50 0.00	52.17 -0.42 -0.57
TALLMAN___138KV_BK151 55660	70.42 2.91 -2.92	67.01 2.46 -13.24	68.02 2.13 -18.62	66.22 2.25 -14.97	54.55 2.70 0.00	59.97 2.91 0.00	74.10 3.53 0.00	86.92 4.14 0.00	89.29 4.25 0.00	87.66 4.24 -0.28	92.42 4.73 -1.71	95.26 4.72 -11.83	79.22 3.90 -9.16	73.01 3.61 -9.18	72.89 3.31 -13.46	68.91 3.62 -6.82	74.55 3.68 -11.51	89.10 4.42 -14.52	96.45 4.45 -20.31	86.90 3.52 -26.61	74.14 3.86 -7.97	68.37 3.57 -6.26	59.41 3.52 0.00	59.27 2.91 -4.35
TEALLAVE_115KV_TB7 355573	62.91 -1.68 0.00	51.50 -1.08 -1.27	48.27 -0.99 -1.99	49.65 -1.03 -1.69	50.82 -1.04 0.00	55.97 -1.08 0.00	68.94 -1.62 0.00	80.55 -2.24 0.00	82.83 -2.21 0.00	80.81 -2.33 0.00	84.00 -1.98 0.00	77.73 -1.73 -0.75	64.83 -1.32 0.00	59.88 -1.20 -0.86	56.52 -1.12 -1.53	58.18 -1.05 -0.77	59.72 -0.95 -1.31	70.69 -1.12 -1.65	73.01 -1.00 -2.31	58.40 -0.97 -2.60	62.08 -1.00 -0.76	58.38 -0.88 -0.71	55.05 -0.84 0.00	51.83 -0.68 -0.49
TELGRAPH_34_KV_EAST 80808	58.71 -5.88 0.00	49.39 -3.85 -1.93	46.80 -3.50 -3.03	47.99 -3.58 -2.57	48.12 -3.73 0.00	53.35 -3.71 0.00	64.36 -6.21 0.00	73.99 -8.77 0.02	75.69 -8.93 0.42	74.10 -8.81 0.23	74.90 -8.94 2.14	72.43 -7.71 -1.44	61.73 -6.09 -1.67	56.16 -4.94 -0.88	52.79 -4.32 -0.99	54.16 -4.79 -0.50	56.11 -4.10 -0.85	64.69 -5.33 0.13	65.82 -5.31 0.57	52.05 -4.48 0.24	58.48 -4.55 -0.72	54.93 -4.10 -0.49	52.31 -3.58 0.00	50.21 -2.55 -0.75
TEMPLE___115KV_TB 2 55572	62.91 -1.68 0.00	51.52 -1.08 -1.28	48.30 -0.99 -2.02	49.68 -1.03 -1.71	50.82 -1.04 0.00	56.03 -1.03 0.00	68.94 -1.62 0.00	80.55 -2.24 0.00	82.92 -2.13 0.00	80.89 -2.24 0.00	84.00 -1.98 0.00	77.82 -1.65 -0.76	64.83 -1.32 0.00	59.95 -1.14 -0.87	56.60 -1.07 -1.54	58.19 -1.05 -0.78	59.80 -0.89 -1.33	70.78 -1.05 -1.67	73.04 -1.00 -2.34	58.49 -0.91 -2.63	62.15 -0.93 -0.77	58.44 -0.82 -0.72	55.11 -0.78 0.00	51.89 -0.62 -0.50
TIANA____69_KV_BK 1 55817	118.29 6.33 -47.37	84.36 5.18 -27.87	82.96 4.54 -31.15	79.17 4.90 -25.28	79.22 5.45 -21.91	78.79 5.88 -15.86	130.99 7.27 -53.15	151.79 9.11 -59.90	155.22 9.52 -60.65	155.05 9.23 -62.68	172.05 9.54 -76.53	146.08 8.26 -59.11	136.46 6.42 -63.89	131.00 6.02 -64.76	130.84 5.78 -68.94	146.03 6.66 -80.90	143.20 6.47 -77.36	155.62 8.07 -77.39	156.02 8.60 -75.71	145.77 6.36 -82.65	138.90 7.10 -69.49	119.98 6.50 -54.94	115.93 6.43 -53.61	108.27 5.62 -50.64
TILDEN___115KV_TB1 80814	63.23 -1.36 0.00	51.96 -0.82 -1.47	48.83 -0.76 -2.32	50.12 -0.83 -1.96	51.08 -0.78 0.00	56.32 -0.74 0.00	69.37 -1.20 0.00	81.04 -1.74 0.00	83.43 -1.62 0.00	81.31 -1.83 0.00	84.52 -1.46 0.00	79.03 -1.26 -1.58	66.41 -0.99 -1.25	60.60 -0.84 -1.22	57.11 -0.79 -1.77	58.66 -0.70 -0.90	60.29 -0.59 -1.52	71.44 -0.63 -1.92	73.88 -0.50 -2.68	59.73 -0.57 -3.53	62.75 -0.62 -1.06	58.84 -0.53 -0.83	55.39 -0.50 0.00	52.17 -0.42 -0.57



TRIGEN___CC 323695	116.42 4.46 -47.37	82.82 3.64 -27.87	81.64 3.21 -31.15	77.65 3.38 -25.28	77.61 3.84 -21.91	77.20 4.28 -15.86	128.94 5.22 -53.15	148.89 6.21 -59.90	152.03 6.38 -60.61	152.09 6.32 -62.64	169.35 6.96 -76.41	144.59 6.77 -59.11	135.67 5.62 -63.89	130.10 5.12 -64.76	129.83 4.77 -68.94	144.51 5.14 -80.90	141.95 5.22 -77.36	153.72 6.17 -77.39	153.60 6.31 -75.59	144.35 4.94 -82.65	137.16 5.36 -69.49	118.45 4.98 -54.94	114.31 4.81 -53.61	106.77 4.11 -50.64
TRINITY___115KV___4 BK 55933	85.00 2.71 -17.70	80.00 2.26 -26.43	77.63 2.08 -28.27	70.21 2.16 -19.06	54.19 2.33 0.00	59.51 2.45 0.00	73.39 2.82 0.00	85.93 3.15 0.00	88.44 3.40 0.00	88.26 3.41 -1.72	100.06 3.70 -10.38	105.34 3.62 -23.02	94.88 2.98 -25.76	77.11 2.77 -14.12	75.92 2.64 -17.16	69.68 2.51 -8.70	76.53 2.49 -14.68	91.55 2.88 -18.52	100.54 2.94 -25.90	98.86 2.33 -39.76	77.01 2.62 -12.09	68.92 2.40 -7.98	58.29 2.40 0.00	59.84 2.29 -5.53
UNION___PROCESSING_DRP 323587	60.78 -3.81 0.00	50.94 -2.05 -1.68	48.03 -1.89 -2.65	49.33 -1.91 -2.24	49.58 -2.28 0.00	54.72 -2.34 0.00	66.69 -3.88 0.00	77.07 -5.71 0.00	79.26 -5.78 0.00	77.15 -5.99 0.00	80.17 -5.85 -0.03	75.41 -5.12 -1.82	63.63 -3.97 -1.45	58.42 -3.19 -1.39	55.11 -3.03 -2.02	56.27 -3.22 -1.03	58.25 -2.85 -1.73	68.63 -3.72 -2.19	71.17 -3.59 -3.05	57.68 -3.12 -4.03	60.34 -3.18 -1.21	57.20 -2.28 -0.94	53.54 -2.35 0.00	51.31 -1.35 -0.65
UPPER HUDSON___HYD 24058	103.26 5.56 -33.11	93.24 4.46 -37.47	85.52 4.16 -34.08	72.96 4.26 -19.71	56.58 4.72 0.00	62.48 5.42 0.00	76.99 6.42 0.00	90.73 7.95 0.00	93.29 8.25 0.00	94.58 8.23 -3.21	114.08 8.68 -19.42	118.55 7.87 -31.98	113.71 6.41 -41.15	83.13 5.84 -17.07	79.29 5.44 -17.72	73.29 5.85 -8.99	80.45 5.94 -15.15	96.50 7.23 -19.11	105.68 7.24 -26.73	109.62 5.79 -47.06	83.01 6.23 -14.47	72.69 5.91 -8.24	61.59 5.70 0.00	62.72 4.99 -5.71
UPPER RAQUET___HYD 24056	64.52 -0.06 0.00	51.15 -0.36 -0.20	47.16 -0.43 -0.31	48.77 -0.49 -0.27	51.13 -0.73 0.00	56.38 -0.68 0.00	70.29 -0.28 0.00	82.21 -0.58 0.00	83.68 -1.36 0.00	81.89 -1.24 0.00	84.77 -1.20 0.00	77.44 -1.26 0.00	65.09 -1.06 0.00	59.14 -1.08 0.00	55.00 -1.12 0.00	56.71 -1.75 0.00	55.33 -2.26 1.78	67.90 -2.52 -0.26	69.09 -2.65 -0.04	55.19 -1.99 -0.41	60.13 -2.30 -0.12	56.66 -1.99 -0.11	54.38 -1.51 0.00	50.90 -1.19 -0.08
VALLEY44_115KV_TB2 355964	61.36 -4.00 -0.77	49.42 -4.77 -2.89	46.88 -4.35 -3.96	47.58 -4.56 -3.14	49.63 -2.23 0.00	55.06 -2.00 0.00	66.62 -3.95 0.00	79.03 -3.73 0.02	80.56 -3.91 0.57	78.68 -4.24 0.22	79.20 -4.13 2.65	77.05 -3.38 -1.72	64.85 -3.37 -2.07	57.94 -3.31 -1.03	53.91 -3.31 -1.10	56.68 -2.34 -0.55	57.81 -2.49 -0.94	67.80 -1.96 0.40	68.82 -1.94 0.94	54.56 -1.65 0.56	60.47 -2.68 -0.83	54.36 -4.74 -0.56	53.82 -2.07 0.00	49.23 -3.69 -0.91
VALLEY___115KV_TB 1-4 80826	65.23 0.65 0.00	51.93 0.62 0.00	47.79 0.52 0.00	49.58 0.59 0.00	52.48 0.62 0.00	57.74 0.68 0.00	71.34 0.78 0.00	83.69 0.91 0.00	85.89 0.85 0.00	84.14 1.00 0.00	87.61 1.63 0.00	80.52 1.81 0.00	67.47 1.32 0.00	61.19 0.96 0.00	56.63 0.51 0.00	58.87 0.41 0.00	59.92 0.42 -0.14	70.58 0.42 0.00	72.23 0.50 -0.02	57.11 0.34 0.00	62.69 0.37 0.00	59.01 0.47 0.00	56.39 0.50 0.00	52.43 0.42 0.00
VINEGAR_115_KV_917_CH_LD_REV_LBMP_E 345011	73.01 3.88 -4.55	62.64 3.08 -8.25	59.58 2.74 -9.57	58.69 2.84 -6.85	55.02 3.16 0.00	60.48 3.42 0.00	74.80 4.23 0.00	88.00 5.22 0.00	90.40 5.36 0.00	88.90 5.32 -0.44	94.83 6.19 -2.67	92.30 5.82 -7.77	79.29 4.76 -8.37	69.42 4.28 -4.92	66.10 3.82 -6.17	65.80 4.21 -3.13	68.85 4.21 -5.27	81.86 5.05 -6.65	86.32 5.31 -9.31	74.84 4.14 -13.93	71.02 4.49 -4.22	65.39 3.98 -2.87	59.75 3.86 0.00	57.28 3.28 -1.99
VISCHER___FERRY HYD 24020	94.84 3.61 -26.64	87.02 2.97 -32.73	81.45 2.69 -31.48	71.08 2.79 -19.30	54.81 2.95 0.00	60.19 3.14 0.00	74.30 3.74 0.00	87.25 4.47 0.00	89.63 4.59 0.00	90.29 4.57 -2.58	106.59 4.98 -15.62	111.70 4.72 -28.27	104.93 3.90 -34.88	79.58 3.55 -15.80	76.81 3.31 -17.38	70.78 3.51 -8.81	77.78 3.56 -14.86	93.18 4.28 -18.74	102.29 4.37 -26.21	104.12 3.46 -43.89	79.49 3.74 -13.44	70.08 3.45 -8.08	59.24 3.35 0.00	60.58 2.96 -5.60
V_A_10_SYNC_DSASP 323832	58.78 -5.81 0.00	49.76 -3.39 -1.84	47.09 -3.07 -2.89	48.31 -3.14 -2.45	48.12 -3.73 0.00	53.29 -3.77 0.00	64.29 -6.28 0.00	73.58 -9.19 0.01	75.24 -9.44 0.36	73.40 -9.56 0.18	74.39 -9.63 1.96	71.67 -8.50 -1.47	60.92 -6.81 -1.59	55.70 -5.48 -0.96	52.15 -5.11 -1.14	53.72 -5.32 -0.58	55.34 -4.99 -0.97	63.78 -6.60 -0.22	64.98 -6.67 0.05	51.57 -5.56 -0.37	57.55 -5.55 -0.78	55.00 -4.10 -0.56	51.75 -4.14 0.00	50.08 -2.65 -0.71
V_CMM_10_SYNC_DSASP 323787	64.20 -0.39 0.00	50.70 -0.61 0.00	46.71 -0.57 0.00	48.36 -0.64 0.00	51.03 -0.83 0.00	56.26 -0.80 0.00	70.00 -0.57 0.00	82.12 -0.67 0.00	84.19 -0.85 0.00	82.39 -0.75 0.00	84.69 -1.29 0.00	77.37 -1.34 0.00	64.96 -1.19 0.00	59.02 -1.20 0.00	54.94 -1.18 0.00	57.00 -1.46 0.00	55.21 -1.66 2.48	68.27 -1.89 0.00	69.29 -2.01 0.40	55.29 -1.48 0.00	60.63 -1.68 0.00	57.02 -1.52 0.00	54.33 -1.56 0.00	50.77 -1.25 0.00
V_CMP_10_SYNC_DSASP 323788	64.46 -0.13 0.00	50.90 -0.41 0.00	46.80 -0.47 0.00	48.46 -0.54 0.00	51.13 -0.73 0.00	56.38 -0.68 0.00	69.58 -0.99 0.00	81.87 -0.91 0.00	84.11 -0.93 0.00	82.39 -0.75 0.00	84.60 -1.38 0.00	77.13 -1.57 0.00	64.56 -1.59 0.00	58.47 -1.75 0.00	54.16 -1.97 0.00	55.83 -2.63 0.00	53.90 -2.97 2.49	66.79 -3.37 0.00	67.93 -3.37 0.40	54.16 -2.61 0.00	59.32 -2.99 0.00	55.73 -2.81 0.00	53.04 -2.85 0.00	50.04 -1.98 0.00
V_D_10_SYNC_DSASP 323841	64.52 -0.06 0.00	50.95 -0.36 0.00	46.94 -0.33 0.00	48.60 -0.39 0.00	51.29 -0.57 0.00	56.49 -0.57 0.00	70.36 -0.21 0.00	82.45 -0.33 0.00	84.45 -0.59 0.00	82.64 -0.50 0.00	85.03 -0.94 0.00	77.68 -1.03 0.00	65.29 -0.86 0.00	59.26 -0.97 0.00	55.22 -0.90 0.00	57.23 -1.23 0.00	55.48 -1.48 2.40	68.47 -1.68 0.00	69.52 -1.79 0.39	55.46 -1.30 0.00	60.76 -1.56 0.00	57.14 -1.41 0.00	54.55 -1.34 0.00	50.98 -1.04 0.00
V_E_10_SYNC_DSASP 323830	70.19 3.49 -2.12	59.25 2.72 -5.22	56.11 2.22 -6.62	56.23 2.21 -5.03	54.45 2.59 0.00	60.14 3.08 0.00	74.52 3.95 0.00	87.84 5.05 0.00	90.27 5.10 -0.12	88.31 4.90 -0.27	94.08 6.19 -1.91	89.84 6.14 -4.99	75.79 5.09 -4.55	68.04 4.28 -3.54	64.73 3.70 -4.90	65.34 4.39 -2.49	68.06 4.51 -4.19	81.41 5.61 -5.63	85.73 6.02 -8.00	72.27 4.54 -10.96	70.18 4.80 -3.07	64.67 3.86 -2.27	59.69 3.80 0.00	56.70 3.23 -1.46
V_F_30_NSYNC___DSASP 323816	101.40 4.52 -32.29	91.82 3.64 -36.87	84.38 3.36 -33.75	72.12 3.48 -19.65	55.64 3.78 0.00	61.11 4.05 0.00	75.37 4.80 0.00	88.57 5.79 0.00	91.08 6.04 0.00	92.26 5.99 -3.13	111.28 6.36 -18.94	116.39 5.98 -31.71	111.73 4.89 -40.69	81.66 4.46 -16.98	77.97 4.15 -17.69	71.88 4.44 -8.97	79.06 4.57 -15.13	94.72 5.48 -19.08	103.92 5.52 -26.69	108.03 4.43 -46.83	81.50 4.80 -14.39	71.22 4.45 -8.23	60.19 4.30 0.00	61.52 3.80 -5.71



V_F_30_SYNC_DSASP 323786	88.89 2.97 -21.33	82.75 2.41 -29.03	79.14 2.22 -29.64	70.51 2.30 -19.22	54.35 2.49 0.00	59.68 2.62 0.00	73.67 3.10 0.00	86.26 3.48 0.00	88.78 3.74 0.00	88.95 3.74 -2.07	102.61 4.13 -12.51	107.90 4.01 -25.18	98.93 3.31 -29.47	78.12 3.07 -14.83	76.29 2.86 -17.30	70.04 2.81 -8.77	76.95 2.79 -14.80	91.98 3.16 -18.66	101.03 3.23 -26.11	100.85 2.55 -41.53	77.84 2.87 -12.66	69.28 2.69 -8.05	58.52 2.63 0.00	60.09 2.50 -5.58
V_XM_10_SYNC_DSASP 323789	64.46 -0.13 0.00	50.90 -0.41 0.00	46.80 -0.47 0.00	48.46 -0.54 0.00	51.13 -0.73 0.00	56.38 -0.68 0.00	69.58 -0.99 0.00	81.87 -0.91 0.00	84.11 -0.93 0.00	82.39 -0.75 0.00	84.60 -1.38 0.00	77.13 -1.57 0.00	64.56 -1.59 0.00	58.47 -1.75 0.00	54.16 -1.97 0.00	55.83 -2.63 0.00	53.90 -2.97 2.49	66.79 -3.37 0.00	67.93 -3.37 0.40	54.16 -2.61 0.00	59.32 -2.99 0.00	55.73 -2.81 0.00	53.04 -2.85 0.00	50.04 -1.98 0.00
W.NYACK_69_KV_BK 521_REV_LBMP_G 345027	70.70 3.16 -2.94	67.24 2.62 -13.32	68.26 2.27 -18.72	66.45 2.40 -15.06	54.71 2.85 0.00	60.14 3.08 0.00	74.38 3.81 0.00	87.17 4.39 0.00	89.55 4.51 0.00	87.91 4.49 -0.29	92.69 4.99 -1.73	95.57 4.96 -11.90	79.47 4.10 -9.22	73.25 3.79 -9.23	73.14 3.48 -13.54	69.13 3.80 -6.87	74.80 3.86 -11.58	89.40 4.63 -14.61	96.86 4.73 -20.43	87.23 3.69 -26.77	74.38 4.05 -8.01	68.64 3.81 -6.30	59.58 3.69 0.00	59.45 3.07 -4.37
W49TH_ST_138_KV_38M43_REV_LBMP_J 345008	71.65 4.00 -3.06	68.45 3.34 -13.81	69.56 2.88 -19.41	67.69 3.09 -15.61	55.38 3.53 0.00	60.94 3.88 0.00	75.44 4.87 0.00	88.66 5.88 0.00	91.08 6.04 0.00	89.51 6.07 -0.30	94.48 6.71 -1.79	97.58 6.53 -12.34	81.14 5.42 -9.57	74.80 5.00 -9.58	74.77 4.60 -14.04	70.49 4.91 -7.12	76.42 5.05 -12.01	91.27 5.96 -15.15	98.99 6.09 -21.19	89.25 4.71 -27.77	75.73 5.11 -8.31	69.82 4.74 -6.53	60.47 4.58 0.00	60.34 3.80 -4.53
W50THST__13_KV_LOAD 356117	71.72 4.07 -3.06	68.45 3.34 -13.81	69.56 2.88 -19.41	67.69 3.09 -15.61	55.38 3.53 0.00	61.00 3.94 0.00	75.51 4.94 0.00	88.74 5.96 0.00	91.17 6.12 0.00	89.59 6.15 -0.30	94.48 6.71 -1.79	97.58 6.53 -12.34	81.21 5.49 -9.57	74.86 5.06 -9.58	74.82 4.66 -14.04	70.55 4.97 -7.12	76.48 5.11 -12.01	91.34 6.03 -15.15	98.99 6.09 -21.19	89.31 4.77 -27.77	75.73 5.11 -8.31	69.87 4.80 -6.53	60.47 4.58 0.00	60.39 3.85 -4.53
WADING RIVER_IC_1 23522	118.03 6.07 -47.37	84.11 4.93 -27.87	82.77 4.35 -31.15	78.93 4.66 -25.28	78.96 5.19 -21.91	78.57 5.65 -15.86	130.71 6.99 -53.15	151.37 8.69 -59.90	154.70 9.01 -60.65	154.63 8.81 -62.68	171.62 9.11 -76.53	145.45 7.63 -59.11	136.13 6.08 -63.89	130.58 5.60 -64.76	130.62 5.56 -68.94	145.85 6.49 -80.90	142.78 6.06 -77.36	155.06 7.51 -77.39	155.51 8.10 -75.71	145.31 5.90 -82.64	138.53 6.73 -69.49	119.62 6.15 -54.94	115.76 6.26 -53.61	108.07 5.41 -50.64
WADING RIVER_IC_2 23547	118.03 6.07 -47.37	84.11 4.93 -27.87	82.77 4.35 -31.15	78.93 4.66 -25.28	78.96 5.19 -21.91	78.57 5.65 -15.86	130.71 6.99 -53.15	151.37 8.69 -59.90	154.70 9.01 -60.65	154.63 8.81 -62.68	171.62 9.11 -76.53	145.45 7.63 -59.11	136.13 6.08 -63.89	130.58 5.60 -64.76	130.62 5.56 -68.94	145.85 6.49 -80.90	142.78 6.06 -77.36	155.06 7.51 -77.39	155.51 8.10 -75.71	145.31 5.90 -82.64	138.53 6.73 -69.49	119.62 6.15 -54.94	115.76 6.26 -53.61	108.07 5.41 -50.64
WADING RIVER_IC_3 23601	118.03 6.07 -47.37	84.11 4.93 -27.87	82.77 4.35 -31.15	78.93 4.66 -25.28	78.96 5.19 -21.91	78.57 5.65 -15.86	130.71 6.99 -53.15	151.37 8.69 -59.90	154.70 9.01 -60.65	154.63 8.81 -62.68	171.62 9.11 -76.53	145.45 7.63 -59.11	136.13 6.08 -63.89	130.58 5.60 -64.76	130.62 5.56 -68.94	145.85 6.49 -80.90	142.78 6.06 -77.36	155.06 7.51 -77.39	155.51 8.10 -75.71	145.31 5.90 -82.64	138.53 6.73 -69.49	119.62 6.15 -54.94	115.76 6.26 -53.61	108.07 5.41 -50.64
WALDENNY_12_KV_BK2 80841	59.16 -5.43 0.00	49.34 -4.10 -2.13	46.89 -3.73 -3.35	47.92 -3.92 -2.84	48.44 -3.42 0.00	53.75 -3.31 0.00	64.71 -5.86 0.00	74.89 -7.86 0.03	76.33 -7.99 0.72	74.62 -8.15 0.37	73.96 -8.17 3.85	72.96 -7.00 -1.26	62.25 -5.76 -1.85	55.90 -4.94 -0.62	51.99 -4.55 -0.41	54.10 -4.56 -0.20	55.38 -4.33 -0.35	63.43 -5.19 1.53	63.98 -5.09 2.63	49.82 -4.31 2.63	58.16 -4.61 -0.46	54.11 -4.68 -0.25	52.43 -3.47 0.00	49.77 -3.07 -0.83
WALDEN__HYDRO 24148	70.83 3.16 -3.08	67.39 2.62 -13.46	68.39 2.27 -18.85	66.52 2.40 -15.13	54.71 2.85 0.00	60.14 3.08 0.00	74.31 3.74 0.00	87.00 4.22 0.00	89.12 4.08 0.00	87.43 3.99 -0.30	92.34 4.56 -1.81	95.05 4.41 -11.93	79.00 3.64 -9.22	72.72 3.37 -9.13	72.62 3.14 -13.35	68.68 3.45 -6.77	74.52 3.74 -11.42	89.05 4.49 -14.40	96.36 4.52 -20.15	86.80 3.58 -26.46	74.22 3.99 -7.92	68.38 3.63 -6.21	59.41 3.52 0.00	59.32 2.91 -4.39
WARRENSBURG____ 23737	103.26 5.56 -33.11	93.24 4.46 -37.47	85.52 4.16 -34.08	72.96 4.26 -19.71	56.58 4.72 0.00	62.48 5.42 0.00	76.99 6.42 0.00	90.73 7.95 0.00	93.29 8.25 0.00	94.58 8.23 -3.21	114.08 8.68 -19.42	118.55 7.87 -31.98	113.71 6.41 -41.15	83.13 5.84 -17.07	79.29 5.44 -17.72	73.29 5.85 -8.99	80.45 5.94 -15.15	96.50 7.23 -19.11	105.68 7.24 -26.73	109.62 5.79 -47.06	83.01 6.23 -14.47	72.69 5.91 -8.24	61.59 5.70 0.00	62.72 4.99 -5.71
WATERSIDE____6 8 9 23538	71.79 4.13 -3.07	68.51 3.39 -13.82	69.61 2.93 -19.41	67.74 3.14 -15.61	54.13 3.58 1.30	60.27 3.94 0.73	75.44 4.87 -0.01	88.67 5.88 -0.01	90.83 5.78 0.00	89.26 5.82 -0.30	94.13 6.36 -1.79	97.35 6.30 -12.35	80.94 5.23 -9.57	74.62 4.82 -9.58	74.66 4.49 -14.05	70.44 4.85 -7.12	76.30 4.93 -12.01	91.14 5.82 -15.15	94.51 5.95 -16.85	89.20 4.65 -27.78	75.61 4.98 -8.31	69.87 4.80 -6.52	59.39 4.64 1.14	59.29 3.90 -3.38
WATKINRD_115KV_LN8_ILLION 55919	65.49 0.90 0.00	52.08 0.77 0.00	47.98 0.71 0.00	49.73 0.73 0.00	52.69 0.83 0.00	57.91 0.86 0.00	71.63 1.06 0.00	84.02 1.24 0.00	86.23 1.19 0.00	84.39 1.25 0.00	87.61 1.63 0.00	80.36 1.65 0.00	67.47 1.32 0.00	61.31 1.08 0.00	56.96 0.84 0.00	59.34 0.88 0.00	60.39 0.89 -0.14	71.21 1.05 0.00	72.80 1.08 -0.02	57.62 0.85 0.00	63.18 0.87 0.00	59.42 0.88 0.00	56.73 0.84 0.00	52.74 0.73 0.00
WATSON__69_KV_BK 1 55734	118.81 6.85 -47.37	84.72 5.54 -27.87	83.34 4.92 -31.15	79.46 5.19 -25.28	79.58 5.81 -21.91	79.31 6.39 -15.86	131.63 7.90 -53.15	152.45 9.77 -59.90	154.76 9.10 -60.62	154.52 8.73 -62.65	171.28 8.86 -76.45	147.58 9.76 -59.11	138.05 8.00 -63.89	132.39 7.41 -64.76	131.96 6.90 -68.94	146.85 7.48 -80.90	144.26 7.54 -77.36	156.74 9.19 -77.39	155.58 8.25 -75.63	146.74 7.32 -82.65	139.71 7.91 -69.49	120.74 7.26 -54.94	116.49 6.99 -53.61	108.69 6.03 -50.64
WDELAWARE__HYD 323627	71.07 3.16 -3.31	66.88 2.62 -12.95	67.42 2.27 -17.88	65.63 2.40 -14.24	54.76 2.90 0.00	60.14 3.08 0.00	74.45 3.88 0.00	86.92 4.14 0.00	89.29 4.25 0.00	87.62 4.16 -0.32	92.65 4.73 -1.94	94.69 4.48 -11.50	79.14 3.77 -9.22	72.43 3.43 -8.78	72.06 3.20 -12.74	68.49 3.57 -6.46	74.06 3.74 -10.96	88.54 4.56 -13.82	95.63 4.59 -19.34	85.90 3.58 -25.55	74.01 4.05 -7.66	68.19 3.69 -5.96	59.47 3.58 0.00	59.06 2.91 -4.13



WEST BABYLON___IC 23714	118.09 6.14 -47.37	84.21 5.03 -27.87	82.86 4.44 -31.15	78.92 4.65 -25.28	79.01 5.24 -21.91	78.68 5.76 -15.86	130.85 7.13 -53.15	151.38 8.69 -59.90	154.24 8.59 -60.61	154.18 8.40 -62.64	171.17 8.77 -76.42	146.71 8.89 -59.11	137.39 7.34 -63.89	131.72 6.74 -64.76	131.35 6.29 -68.94	146.20 6.84 -80.90	143.61 6.89 -77.36	155.97 8.42 -77.39	155.48 8.17 -75.60	146.06 6.64 -82.65	139.03 7.23 -69.49	120.15 6.67 -54.94	115.87 6.37 -53.61	108.12 5.46 -50.64
WEST CANADA___HYD 24049	65.17 0.58 0.00	51.82 0.51 0.00	47.74 0.47 0.00	49.48 0.49 0.00	52.38 0.52 0.00	57.57 0.51 0.00	71.20 0.63 0.00	83.52 0.74 0.00	85.81 0.76 0.00	83.89 0.75 0.00	86.93 0.95 0.00	79.65 0.95 0.00	66.95 0.80 0.00	60.95 0.73 0.00	56.74 0.62 0.00	59.17 0.70 0.00	60.22 0.71 -0.14	71.00 0.84 0.00	72.59 0.86 -0.02	57.45 0.68 0.00	63.06 0.75 0.00	59.19 0.65 0.00	56.56 0.67 0.00	52.54 0.52 0.00
WESTERN_NY_WIND 24143	59.87 -4.71 0.00	50.34 -2.87 -1.90	47.61 -2.65 -2.99	48.83 -2.69 -2.53	49.06 -2.80 0.00	54.32 -2.74 0.00	65.77 -4.80 0.00	75.81 -6.95 0.02	77.69 -6.97 0.38	75.86 -7.07 0.21	76.91 -7.14 1.93	74.04 -6.14 -1.47	63.03 -4.76 -1.64	57.36 -3.79 -0.93	53.95 -3.26 -1.09	55.38 -3.62 -0.55	57.44 -2.85 -0.93	66.46 -3.79 -0.09	67.89 -3.59 0.23	53.70 -3.24 -0.17	59.84 -3.24 -0.76	56.21 -2.87 -0.53	53.38 -2.52 0.00	51.19 -1.56 -0.73
WESTOVER___LESR 323668	65.42 -0.58 -1.42	55.67 -0.51 -4.87	53.40 -0.47 -6.60	53.71 -0.49 -5.20	51.81 -0.05 0.00	57.12 0.06 0.00	70.14 -0.42 0.00	82.20 -0.58 0.00	84.45 -0.60 0.00	82.45 -0.83 -0.14	86.38 -0.43 -0.83	82.88 -0.24 -4.41	69.59 -0.26 -3.71	63.26 -0.24 -3.28	60.52 -0.28 -4.68	60.84 0.00 -2.37	63.49 0.12 -4.01	75.56 0.35 -5.05	79.22 0.43 -7.09	66.49 0.23 -9.50	65.34 0.19 -2.84	60.54 -0.18 -2.18	56.11 0.22 0.00	53.47 -0.05 -1.51
WETHRSFD_WT_PWR 323626	59.69 -5.68 -0.79	49.93 -4.31 -2.93	47.31 -3.97 -4.01	48.06 -4.12 -3.18	48.07 -3.78 0.00	53.41 -3.65 0.00	64.43 -6.14 0.00	74.75 -7.95 0.08	74.85 -8.08 2.11	73.73 -8.39 1.02	66.60 -8.42 10.95	70.70 -7.48 0.53	61.97 -6.22 -2.04	53.33 -5.48 1.41	47.51 -5.11 3.50	51.64 -5.03 1.80	51.60 -4.75 3.01	55.00 -5.47 9.69	50.99 -5.38 15.34	34.54 -4.49 17.75	55.98 -4.86 1.47	52.35 -4.74 1.45	52.20 -3.69 0.00	49.56 -3.38 -0.92
WHAVSTOR_138KV_BK127 55557	70.44 2.91 -2.95	67.05 2.41 -13.33	68.10 2.08 -18.75	66.28 2.20 -15.08	54.50 2.64 0.00	59.91 2.85 0.00	74.02 3.46 0.00	86.84 4.06 0.00	89.21 4.17 0.00	87.58 4.16 -0.29	92.35 4.64 -1.73	95.27 4.64 -11.92	79.22 3.84 -9.23	73.02 3.55 -9.24	72.93 3.26 -13.55	68.90 3.57 -6.87	74.57 3.62 -11.59	89.06 4.28 -14.62	96.53 4.37 -20.45	87.04 3.46 -26.81	74.14 3.80 -8.02	68.36 3.51 -6.30	59.36 3.47 0.00	59.25 2.86 -4.38
WHAVSTOR_138_KV_BK127_REV_LBMP_G 345015	70.44 2.91 -2.95	67.05 2.41 -13.33	68.10 2.08 -18.75	66.28 2.20 -15.08	54.50 2.64 0.00	59.91 2.85 0.00	74.02 3.46 0.00	86.84 4.06 0.00	89.21 4.17 0.00	87.58 4.16 -0.29	92.35 4.64 -1.73	95.27 4.64 -11.92	79.22 3.84 -9.23	73.02 3.55 -9.24	72.93 3.26 -13.55	68.90 3.57 -6.87	74.57 3.62 -11.59	89.06 4.28 -14.62	96.53 4.37 -20.45	87.04 3.46 -26.81	74.14 3.80 -8.02	68.36 3.51 -6.30	59.36 3.47 0.00	59.25 2.86 -4.38
WHITEHAL_115KV_TB1 80871	104.27 6.91 -32.77	94.07 5.54 -37.22	86.37 5.15 -33.95	73.97 5.29 -19.69	57.77 5.91 0.00	63.68 6.62 0.00	78.54 7.97 0.00	92.55 9.77 0.00	95.16 10.12 0.00	96.29 9.98 -3.18	115.77 10.58 -19.22	120.10 9.60 -31.79	114.79 7.81 -40.84	84.34 7.11 -17.01	80.50 6.68 -17.70	74.69 7.25 -8.98	81.92 7.42 -15.14	98.24 8.98 -19.10	107.52 9.11 -26.71	110.89 7.21 -46.92	84.52 7.79 -14.42	74.03 7.26 -8.23	62.88 6.99 0.00	63.81 6.09 -5.71
WHITEPLN_13_KV_LOAD 356215	71.77 4.13 -3.05	68.42 3.34 -13.77	69.56 2.93 -19.36	67.69 3.14 -15.56	55.44 3.58 0.00	61.00 3.94 0.00	75.37 4.80 0.00	88.66 5.88 0.00	91.08 6.04 0.00	89.34 5.90 -0.30	94.39 6.62 -1.79	97.47 6.45 -12.31	81.05 5.36 -9.54	74.65 4.88 -9.55	74.67 4.55 -14.01	70.47 4.91 -7.10	76.33 4.99 -11.98	91.23 5.96 -15.11	99.00 6.17 -21.13	89.24 4.77 -27.70	75.77 5.17 -8.29	69.86 4.80 -6.51	60.53 4.64 0.00	60.38 3.85 -4.52
WM_FLOYD_69_KV_BK2 356380	118.09 6.14 -47.37	84.16 4.98 -27.87	82.82 4.40 -31.15	78.97 4.70 -25.28	79.01 5.24 -21.91	78.62 5.71 -15.86	130.78 7.06 -53.15	151.46 8.77 -59.90	154.79 9.10 -60.65	154.71 8.90 -62.68	171.70 9.20 -76.53	146.01 8.19 -59.11	136.59 6.55 -63.89	131.12 6.14 -64.76	130.90 5.84 -68.94	146.03 6.66 -80.90	143.14 6.41 -77.36	155.48 7.93 -77.39	155.80 8.39 -75.71	145.72 6.30 -82.65	138.78 6.98 -69.49	119.86 6.38 -54.94	115.82 6.32 -53.61	108.12 5.46 -50.64
WOODARD___115KV_TB2 355635	62.84 -1.74 0.00	51.48 -1.13 -1.30	48.27 -1.04 -2.04	49.64 -1.08 -1.73	50.77 -1.09 0.00	55.92 -1.14 0.00	68.87 -1.69 0.00	80.46 -2.32 0.00	82.75 -2.30 0.00	80.73 -2.41 0.00	83.91 -2.06 0.00	77.67 -1.81 -0.77	64.69 -1.46 0.00	59.84 -1.26 -0.88	56.50 -1.18 -1.56	58.08 -1.17 -0.79	59.69 -1.01 -1.34	70.66 -1.19 -1.69	72.92 -1.15 -2.36	58.40 -1.02 -2.66	62.03 -1.06 -0.78	58.33 -0.94 -0.73	55.00 -0.89 0.00	51.74 -0.78 -0.50
YORK___WARBASSE 23770	72.18 4.52 -3.07	68.82 3.69 -13.82	69.85 3.17 -19.41	67.98 3.38 -15.61	65.04 3.99 -9.18	66.61 4.39 -5.16	75.80 5.22 -0.01	89.00 6.21 -0.01	91.17 6.12 0.00	89.59 6.15 -0.30	94.56 6.79 -1.79	97.74 6.69 -12.35	81.28 5.56 -9.57	74.98 5.18 -9.58	74.94 4.77 -14.05	70.85 5.26 -7.12	76.72 5.34 -12.01	91.63 6.31 -15.15	140.02 6.45 -61.86	89.60 5.05 -27.78	76.05 5.42 -8.31	70.34 5.21 -6.59	69.01 5.09 -8.03	68.94 4.27 -12.66