

**CENTRAL MAINE POWER COMPANY
RESPONSE TO COMPETITIVE ENERGY SERVICES' DATA REQUEST NO. 1
DOCKET No. 2008-255**

October 7, 2008

CES-01-01

- Q.** Please provide in excel format the actual 2006 load data and electrical load allocations at the substation bus level that are referenced on Page 1 of 9, paragraph 4.
- A.** The actual loads are shown in the NepoolCaseLoads comparison shown in Exhibit B-2, Appendix C. The columns with the labels "P – EMS" and "Q – EMS" were from data retrieved from CMP's Master Satellite Energy Management System state estimator. The state estimator models the Maine Satellite control area transmission system and stores the 2006 peak load hour transformer loadings and generation levels. This data is available in the attached spreadsheet.

Response Prepared and Submitted By:
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NEPOOL Case Load Comparison with CMP Local Base Case

BUS-NO	NAME	KV	ID	P - 2006	Q - 2006	10yrGrowth	P-10	Q-10	Contract Capacity	Final P	Final Q
70101	RUMFRDGN	3	115 I	1.2	0.6	1.363	1.64	0.82		1.64	0.82
70101	RUMFRDGN	3	115 RC	24.3	7.29	1.208	29.36	8.81		29.36	8.81
70101	RUMFRDGN Gen										
	Rumford T3 12kV										
	Rumford T4 12kV										
	Rumford 34 kV										
	Generation Aziscohos										
70102	NORWAY	7	115 I	2.6	0.9	1.000	2.60	1.30		2.60	1.30
70102	NORWAY	7	115 RC	26.5	7.95	1.180	31.28	9.38		31.28	9.38
	Norway 12kV										
	Norway 34kV										
70103	KIMBL RD	7	115 I	6	3.1	1.000	6.00	3.00	6 3	6.00	3.00
70103	KIMBL RD	7	115 RC	12.7	3.81	1.180	14.99	4.50		14.99	4.50
	Harrison 34kV										
70104	LEW LWR	8	115 I	4.1	2.6	1.018	4.17	2.09		4.17	2.09
70104	LEW LWR	8	115 RC	53	15.9	1.340	71.03	21.31		71.03	21.31
70104	LEW LWR Gen										
70177	LEWSTON Gen										
	Lewiston Lwr 1 12kV										
	Lewiston Lwr 3 12kV										
	Lewiston Lwr 34kV										
	Generation Lew Lwr Monty										
	Generation Lewiston										
70105	AUG E S	9	115 1	26	7.8	1.310	34.05	10.22		34.05	10.22
	Augusta E 34										
70106	RAYMOND	7	115 I	5.6	3	1.000	5.60	2.80	5.6 2.8	5.60	2.80
70106	RAYMOND	7	115 RC	33	9.9	1.180	38.95	11.68		38.95	11.68
	Raymond 34										
70108	DETROIT	2	115 I	3.6	2.9	1.000	3.60	1.80		3.60	1.80
70108	DETROIT	2	115 RC	22	6.6	1.208	26.58	7.97		26.58	7.97
	Detroit 34										
70109	BELFAST	6	115 I	2.5	1.2	1.012	2.53	1.27		2.53	1.27
70109	BELFAST	6	115 RC	37	11.1	1.258	46.55	13.96		46.55	13.96
	Belfast 34 T1										
	Belfast 34 T2										
70110	HIGHLAND	10	115 1	16	4.8	1.258	20.13	6.04		20.13	6.04
	Highland 34										
70111	HARRIS	1	115 I	1.6	0.8	1.000	1.60	0.80		1.60	0.80
70111	HARRIS	1	115 RC	3.4	1.02	1.208	4.11	1.23		4.11	1.23
	Harris Jackman Ld										
70112	HARTLAND	2	115 I	2.2	1.1	1.000	2.20	1.10		2.20	1.10
70112	HARTLAND	2	115 RC	1.75	0.525	1.208	2.11	0.63		2.11	0.63
	Hartland 12kV										
70113	WYMAN	1	115 1	3.5	1.05	1.208	4.23	1.27		4.23	1.27
	Wyman 12kV										

NEPOOL Case Load Comparison with CMP Local Base Case

BUS-NO	NAME	KV	ID	P - 2006	Q - 2006	10yrGrowth	P-10	Q-10	Contract Capacity	Final P	Final Q
70115	WILLIAMS Embden	1	115 1	2.3	0.69	1.208	2.78	0.83		2.78	0.83
70116	STURTVNT	3	115 I	6.3	3.1	1.363	8.59	3.10		8.59	3.10
70116	STURTVNT	3	115 RC	27	8.1	1.208	32.62	9.79		32.62	9.79
	Sturtevant 12kV Sturtevant 34kV										
70117	LIVERMOR	3	115 I	11		1.363	11.00	5.50	15.75 8	15.75	8.00
70117	LIVERMOR	3	115 RC	7.5	2.25	1.208	9.06	2.72		9.06	2.72
	Livermore 12kV Livermore 34kV										
70118	GULF ISL	8	115 1	52	15.6	1.340	69.68	20.91		69.68	20.91
70118	GULF ISL Gen										
	Gulf Island										
70119	BRNS CRG Browns Cross 12kV	9	115 1	8	2.4	1.310	10.48	3.14		10.48	3.14
70190	MASON2	11	115 1	18	5.4	1.194	21.49	6.45		21.49	6.45
70190	MASON2		115 2	0	0		0.00	0.00		0.00	0.00
	Mason 34										
70122	ME YANK	11	115 I				0.30	0.10		0.30	0.10
70122	ME YANK	11	115 RC	7.5	2.25	1.194	8.96	2.69		8.96	2.69
70124	FORE RIV	13	115 1	22	6.6	1.371	30.16	9.05		30.16	9.05
70124	FORE RIV		115 I	0	0		0.00	0.00		0.00	0.00
70126	BRNCHBRK	14	115 I	3.3	3.3	1.074	3.54	3.30		3.54	3.30
70126	BRNCHBRK	14	115 M	22.5	9.2	1.310	29.47	9.20		29.47	9.20
70126	BRNCHBRK	14	115 RC	14.52	4.356	1.310	19.02	5.71		19.02	5.71
	Branch Brk 12kV Branch Brk 34kV										
70127	SPRNG GN	13	115 I	35.1	19.8	1.087	38.15	19.80		38.15	19.80
70127	SPRNG GN	13	115 RC	57	17.1	1.371	78.15	23.44		78.15	23.44
70127	SPRNG GN Gen										
	Spring St 12kV Spring St 34kV 1 Spring St 34kV T1 Spring St 34kV T5										
	Spring St gen										
70128	YARMOUTH Yarmouth 34	13	115 1	18	5.4	1.371	24.68	7.40		24.68	7.40
70129	LOUDEN	14	115 I	4.4	2.9	1.074	4.73	2.90		4.73	2.90
70129	LOUDEN	14	115 RC	98.4	38.31	1.310	128.88	38.31		128.88	38.31
70129	LOUDEN Gen										
70179	MERC Gen										
	Louden 34 T1 Louden 34 T2										

NEPOOL Case Load Comparison with CMP Local Base Case

BUS-NO	NAME	KV	ID	P - 2006	Q - 2006	10yrGrowth	P-10	Q-10	Contract Capacity	Final P	Final Q
	Louden Gen										
70130	Q HILL	14	115 I	3.7	1.8	1.074	3.97	1.80		3.97	1.80
70130	Q HILL	14	115 RC	35	10.5	1.310	45.84	13.75		45.84	13.75
	Quaker Hill 34 T1										
	Quaker Hill 34 T2										
70132	PRATT	14	115 I	8	4	1.074	8.59	4.40		8.59	4.40
70132	PRATT	14	115 RC	11	3.3	1.310	14.41	4.32		14.41	4.32
	Pratt Whit 12kV										
	Pratt Whit 13.8kV T2										
	Pratt Whit 13.8kV T3										
70133	MOSHERS	13	115 1	31.5	9.45	1.371	43.19	12.96		43.19	12.96
	Moshers 12kV										
	Moshers 34kV										
70134	ELM ST	13	115 1	42	12.6	1.371	57.58	17.27		57.58	17.27
	Elm St 12kV										
	Elm St 34kV										
70135	PRIDESCR	13	115 1	13	3.9	1.371	17.82	5.35		17.82	5.35
	Pride Cor 12kV										
	Prides Comer 34kV										
70136	CROWLEYS	8	115 I	4.4	1.7	1.018	4.48	1.70		4.48	1.70
70136	CROWLEYS	8	115 RC	15	4.5	1.340	20.10	6.03		20.10	6.03
	Crowleys 12kV										
	Crowleys 34kV										
70138	NORT AUG	9	115 1	8	2.4	1.310	10.48	3.14		10.48	3.14
	North Aug 12										
70139	SEWALL	13	115 I	6	4	1.087	6.52	4.00		6.52	4.00
70139	SEWALL	13	115 RC	30	9	1.371	41.13	12.34		41.13	12.34
	Sewall St. 12kV										
	Sewall St. 34kV										
70140	CAPE	13	115 I	8.4	4.7	1.087	9.13	4.70		9.13	4.70
70140	CAPE	13	115 RC	16	4.8	1.371	21.94	6.58		21.94	6.58
	Cape 34kV										
70141	P HILL	13	115 I	3.6	1.7	1.087	3.91	1.70	8.5 4.25	8.5	4.25
70141	P HILL	13	115 RC	34	10.2	1.371	46.61	13.98		46.61	13.98
	Pleasant Hill 12kV										
	Pleasant Hill 34kV										
70142	RICERIPS	4	115 1	30	9	1.340	40.20	12.06		40.20	12.06
70142	RICERIPS Gen										
	Rice Rips 34kV										

NEPOOL Case Load Comparison with CMP Local Base Case

BUS-NO	NAME	KV	ID	P - 2006	Q - 2006	10yrGrowth	P-10	Q-10	Contract Capacity	Final P	Final Q
70143	KENNBKLP	14	115 M	4	1.2	1.310	5.24	1.57		5.24	1.57
70144	BOLT HL	14	115 I	15	6.6	1.074	16.11	6.60		16.11	6.60
70144	BOLT HL	14	115 RC	46	13.8	1.310	60.25	18.07		60.25	18.07
	Bolt Hill 1										
	Bolt Hill 2										
	Bolt Hill Airco										
70146	PARK ST.	10	115 I	4.5	3.1	1.012	4.55	3.10		4.55	3.10
70146	PARK ST.	10	115 RC	16	4.8	1.258	20.13	6.04		20.13	6.04
	Park St. 34kV										
70147	LAKEWOOD	5	115 1	31	9.3	1.222	37.89	11.37		37.89	11.37
70147	LAKEWOOD Gen										
	Lakewood 34kV										
70148	BATH	11	115 I	11	9	1.000	11.00	9.00		11.00	9.00
70148	BATH	11	115 RC	16	4.8	1.194	19.10	5.73		19.10	5.73
	Bath 34 T1										
	Bath 34 T2										
70149	MEADOWRD	10	115 1	22	6.6	1.258	27.68	8.30		27.68	8.30
	Meadow Rd 34kV										
70151	HINKL PD	13	115 1	12	3.6	1.371	16.45	4.94		16.45	4.94
	Hinkley Pond 12kV										
70152	RILEY	3	115 I	2.5	1.4	1.363	3.41	1.40		3.41	1.40
70152	RILEY	3	115 RC	4	1.2	1.208	4.83	1.45		4.83	1.45
	Riley SMI										
70156	BIDD I P	14	115 I	5.9	3	1.074	6.34	3.00		6.34	3.00
70156	BIDD I P	14	115 RC	23	6.9	1.310	30.12	9.04		30.12	9.04
	Biddeford IP 12kV										
	Biddeford IP 34kV										
70157	GUILF GN	2	115 I	6.4	3.3	1.000	6.40	3.30		6.40	3.30
70157	GUILF GN	2	115 RC	24	7.2	1.208	28.99	8.70		28.99	8.70
70157	GUILF GN Gen										
	Guilford 34kV										
70159	PUDDLDK	9	115 1	27	8.1	1.310	35.36	10.61		35.36	10.61
	Puddledock 34kV										
70160	W.BUXTON	14	115 I	8.5	4.5	1.074	9.13	4.75	17.5	17.50	8.75
70160	W.BUXTON	14	115 RC	20	6	1.310	26.20	7.86	8.75	26.20	7.86
70160	W.BUXTON Gen										
	W. Buxton 34kV T1										
	W. Buxton 34kV T2 Per										
70161	NEWCASTL	11	115 1	21	6.3	1.194	25.08	7.52		25.08	7.52
	Newcastle 34kV										
70162	SANFORD	14	115 I	9.6	4.6	1.074	10.31	4.60		10.31	4.60
70162	SANFORD	14	115 RC	35	10.5	1.310	45.84	13.75		45.84	13.75
70162	SANFORD Gen										

NEPOOL Case Load Comparison with CMP Local Base Case

BUS-NO	NAME	KV	ID	P - 2006	Q - 2006	10yrGrowth	P-10	Q-10	Contract Capacity	Final P	Final Q
	Sanford 34kV T1										
	Sanford 34kV T2										
70164	WATRBORO	14	115 1	9	2.7	1.310	11.79	3.54		11.79	3.54
	Waterboro 12kV										
70167	HOTEL RD	8	115 I	25	15	1.018	25.45	15.00		25.45	15.00
70167	HOTEL RD	8	115 RC	10	3.3	1.340	13.40	3.30		13.40	3.30
	Hotel Rd 12kV										
	Hotel Rd 34kV										
70168	WOODSTK	7	115 I	1.8	0.9	1.000	1.80	0.9		1.80	0.9
70168	WOODSTK	7	115 RC	19	1	1.180	22.42	1.00		22.42	1.00
	Woodstock 34kV										
70170	BOWMAN	9	115 1	29	8.7	1.310	37.98	11.39		37.98	11.39
	Bowman St 34kV										
70172	BIGELOW	1	115 I	0.2	0.1	1.000	0.20	0.10		0.20	0.10
70172	BIGELOW	1	115 RC	2.3	0.69	1.208	2.78	0.83		2.78	0.83
	Bigelow 34kV										
70178	LINCNVIL	10	115 1	3.5	1.05	1.258	4.40	1.32		4.40	1.32
	Lincolville 34kV										
70180	LOVELL	7	115 1	17	5.1	1.180	20.06	6.02		20.06	6.02
	Lovell 34kV										
70182	RUMFD IP	8	115 I	3.5	1.8	1.018	3.56	1.80		3.56	1.80
70182	RUMFD IP	8	115 RC	5.5	1.65	1.340	7.37	2.21		7.37	2.21
	Rumford IP 34kV										
70204	REDBROOK	13	115 I	3.6	1.7	1.087	3.91	1.96		3.91	1.96
70204	REDBROOK	13	115 RC	23	6.9	1.371	31.53	9.46		31.53	9.46
	Redbrook 34kV										
70206	DRAG CEM	10	115 1	13.5	5.5	1.000	13.50	6.75	16 8	16.00	8.00
70207	MOSCOW	1	115 1	0.1	0	1.208	0.12	0.00		0.12	0.00
70208	CHALLNGR	8	115 I	11.6	7.2	1.018	11.81	7.20		11.81	7.20
70208	CHALLNGR	8	115 RC	6	1.8	1.340	8.04	2.41		8.04	2.41
	Challenger 12kV										
	Challenger 34kV										
70350	BUCKSPOR	6	115 I	12	6	1.012	12.14	6.07		12.14	6.07
70210	BUCKSPOR	6	115 RC	10	3	1.258	12.58	3.77		12.58	3.77
	Bucksport 34kV										
70211	MEADPAPR	3	115 1	0	0		0.00	0.00		0.00	0.00
70220	PRIDES C	13	34.5 1	48	14.4	1.371	65.81	19.74		65.81	19.74
70222	TOPSHAM	12	34.5 I	6.6	3.2	1.000	6.60	3.20		6.60	3.20
70222	TOPSHAM	12	34.5 RC	60	18	1.194	71.64	21.49		71.64	21.49
	70222 TOPSHAM Gen										
	70223 TOPSHMGN Gen										
	70223 TOPSHMGN Gen										

NEPOOL Case Load Comparison with CMP Local Base Case

BUS-NO	NAME	KV	ID	P - 2006	Q - 2006	10yrGrowth	P-10	Q-10	Contract Capacity	Final P	Final Q
	Topsham 81 T1										
	Topsham 69 T1										
70330	WNSLOW	4	34.5	I	23.1	10.7	1.106	25.56	10.70	25.56	10.70
70330	WNSLOW	4	34.5	RC	40	12	1.340	53.60	16.08	53.60	16.08
70330	WNSLOW Gen 1										
70330	WNSLOW Gen 2										
70330	WNSLOW Gen 3										
70330	WNSLOW Gen 4										
70410	HYDRO KN										
70410	HYDRO KN										
	Winslow 34kV T1										
	Winslow 34kV T2										
	Winslow 34kV T3										
70346	WARREN 1		13.8	1							
70347	WARREN 2		13.8	1							
70348	WARREN 3		13.8	1							
70349	CHAMPN B	2	13.8	1	53	17	1.208	53.00	26.50	53.00	26.50
70356	HARRIS#1		13.8	1							
70365	WF WY #1		13.8	1							
70366	WF WY #2		13.8	1							
70367	WF WY #3		14.4	1							
70368	WF WY #4		22	1							
70370	AEI GEN		13.8	1							
70372	SEA STRN		13.8	1							
70373	JAY/LIVR		13.8	1							
70377	AEC G1		13.8	1							
70379	AEC G3		13.8	1							
70381	RPA CG1		18	1							
70414	MEADBUS1		11.5	1	41	20.5		41.00	20.50	41.00	20.50
70415	MEADBUS2		11.5	1	49	24.5		49.00	24.50	49.00	24.50
70417	SDW #8GN		11	1							
70418	SDW #9GN		13.8	1							
70419	SDW#10GN		13.8	1							
70420	J/MILL A		13.8	1							
70421	J/MILL B		13.8	1							
70432	J/MILL C		13.8	1							
70433	J/MILL D		13.8	1							
72681	MADISON		115	1							
72683	MADSN UP		13.8	1							
	Madison Up 13.8kV										
72684	MADSN LO		13.8	1							
	Madison Lower 13.8kV										
70120	MAXCYS1	9	115	1	7.5	2.25	1.310	9.82	2.95	9.82	2.95
	Maxcys 34kV										
70355	ATHENS	2	13.8	1	4.5	3.5	1.000	4.50	3.50	4.50	3.50
70171	S 63B TP	3	115	1	16.00	8.00	1.208	19.33	5.80	19.33	5.80
72682	MADSN GN		115	1							
72682	MADSN GN	3	115	1	1	0.5	1.208	1.21	0.60	1.21	0.60
							#				
					1922.7		2377.000	2377.31		2397.51	