



2011 CPS2 Bounds

		Est. Peak Demand (MW)	Freq. Bias (MW/.1Hz)	Bias/Load (%)	Bias/Total Bias (%)	L10 (MW)	Variable Bias ?
Eastern Interconnection		619,335	-6,349	1.03	100.00		
FRCC		50,696	-519	1.02	8.18		
City of Homestead	HST	90	-1	1.11	0.02	7.49	
City of Tallahassee	TAL	592	-6	1.01	0.09	18.36	
Florida Municipal Power Pool	FMPP	3,650	-47.6	1.30	0.75	51.70	
Florida Power & Light	FPL	21,743	-217	1.00	3.42	110.40	
Gainesville Regional Utilities	GVL	470	-6	1.28	0.09	18.36	
JEA	JEA	3,099	-31	1.00	0.49	41.73	
Progress Energy Florida (Florida Power Corporation)	FPC	12,670	-126.7	1.00	2.00	84.35	
Seminole Electric Cooperative	SEC	3,941	-39.4	1.00	0.62	47.04	
Tampa Electric Company	TEC	4,351	-43.6	1.00	0.69	49.48	
Utilities Commission, City of New Smyrna Beach	NSB	90	-1	1.11	0.02	7.49	
MRO		17,883	-192	1.08	3.03		
Lincoln Electric System	LES	758	-7.6	1.00	0.12	20.66	
MHEB, Transmission Services	MHEB	4,434	-44.4	1.00	0.70	49.94	
Nebraska Public Power District	NPPD	3,205	-45	1.40	0.71	50.27	
Omaha Public Power District	OPPD	2,556	-25.6	1.00	0.40	37.92	
SaskPower Grid Control Centre	SPC	3,480	-34.8	1.00	0.55	44.21	
Western Area Power Administration, Upper Great Plains East	WAUE	3,450	-35	1.01	0.55	44.34	

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NPCC		92,193	-924	1.00	14.55		
Independent Electricity System Operator	IESO	23,481	-234.8	1.00	3.70	114.83	
ISO New England Inc.	ISNE	27,660	-277	1.00	4.36	124.73	
New Brunswick Security Operator	NBSO	5,616	-57.4	1.02	0.90	56.78	
New York Independent System Operator	NYIS	33,160	-332	1.00	5.23	136.55	
Nova Scotia Power Inc.	NSPI	2,276	-22.8	1.00	0.36	35.78	
RFC		248,151	-2,511	1.01	39.54		
Midwest Independent System Operator	MISO	111,475	-1114.8	1.00	17.56	250.22	
Ohio Valley Electric Corporation	OVEC	62 (2256)*	-30	48.39	0.47	41.05	
PJM Interconnection	PJM	136,614	-1366	1.00	21.51	276.98	

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SERC		166,083	-1,734	1.04	27.32		
Alcoa Power Generating, Inc. - Yadkin Division	YAD	(214)*	-2.14		0.03	10.96	
Associated Electric Cooperative, Inc.	AECI	4,400	-44	1.00	0.69	49.71	
Batesville Balancing Authority	BBA	(558)*	-5.58		0.09	17.70	
City of Benton	BUBA	79	-0.8	1.01	0.01	6.70	
City of Conway	CNWX	224	-2.24	1.00	0.04	11.22	
City of North Little Rock, AR	NRL	276	-2.8	1.01	0.04	12.54	
City of Osceola	OMLP	38	-0.38	1.00	0.01	4.62	
City of Ruston, LA (DERS)	DERS	68	-0.68	1.00	0.01	6.18	
City of West Memphis	WMUC	95	-0.95	1.00	0.01	7.30	
Duke Energy Carolinas	DUK	19,557	-196	1.00	3.09	104.92	
East Kentucky Power Cooperative	EKPC	3,154	-42.73	1.35	0.67	48.99	
Electric Energy, Inc.	EEI	(1000)*	-10		0.16	23.70	
Entergy	EES	23,165	-231.7	1.00	3.65	114.07	
LG&E and KU Services Company	LGEE	7,128	-71.3	1.00	1.12	63.28	
Louisiana Generating, LLC	LAGN	2,116	-21.2	1.00	0.33	34.51	
Plum Point Energy Associates (PPEA), LLC - BA	PLUM	(665)*	-6.65		0.10	19.33	
PowerSouth Energy Cooperative	AEC	2,178	-21.8	1.00	0.34	34.99	
Progress Energy Carolinas - EAST	CPLE	12,353	-124	1.00	1.95	83.45	
Progress Energy Carolinas - WEST	CPLW	1,026	-11	1.07	0.17	24.86	
South Carolina Electric & Gas Company	SCEG	5,199	-52	1.00	0.82	54.04	
South Carolina Public Service Authority	SC	6,037	-61.37	1.02	0.97	58.71	
South Mississippi Electric Power Association	SME	1,595	-16	1.00	0.25	29.98	

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SERC		166,083	-1,734	1.04	27.32		
Southeastern Power Administration	SEPA	(1447)*	2 - 14**		0.22	28.04	Variable
Southern Company Services, Inc. - Trans	SOCO	45,000	-450	1.00	7.09	158.97	
Tennessee Valley Authority	TVA	32,395	-323.95	1.00	5.10	134.88	
Union Power Partners, L.P. (PUPP)	PUPP	(2120)*	-21.2		0.33	34.51	

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SPP		44,329	-468	1.06	7.38		
Board of Public Utilities	KACY	506	-5.1	1.01	0.08	16.92	
Central and Southwest	CSWS	10,358	-103.6	1.00	1.63	76.28	
City of Independence Missouri	INDN	306	-3.1	1.01	0.05	13.19	
City of Lafayette	LAFA	489	-5	1.02	0.08	16.76	
Cleco Corporation, Inc.	CLEC	2,084	-21	1.01	0.33	34.34	
Empire District Electric Co., The	EDE	1,185	-11.9	1.00	0.19	25.85	
Grand River Dam Authority	GRDA	962	-10	1.04	0.16	23.70	
Kansas City Power & Light, Co	KCPL	3,812	-38.2	1.00	0.60	46.32	
Louisiana Energy & Power Authority	LEPA	226	-3	1.33	0.05	12.98	
Missouri Public Service (Aquila Networks - MPS)	MPS	1,989	-20	1.01	0.31	33.51	
Oklahoma Gas and Electric	OKGE	6,054	-60.6	1.00	0.95	58.34	
Southwestern Power Administration	SPA	1,680	-36.2	2.15	0.57	45.09	
Southwestern Public Service Company	SPS	5,626	-60	1.07	0.94	58.05	
Sunflower Electric Power Corporation	SECI	1,079	-10.8	1.00	0.17	24.63	
Western Farmers Electric Cooperative	WFEC	1,492	-15	1.01	0.24	29.02	
Western Resources dba Westar Energy	WR	6,481	-64.81	1.00	1.02	60.33	

Hydro Quebec Interconnection

NPCC-HQ		36,807	-420	1.14	100.00		
Hydro-Quebec, TransEnergie	HQT	36,807	200 - 640**	1.14	100.00	172.56	Variable

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ERCOT Interconnection	65,207	-653	1.00	100.00		
<i>ERCOT</i>	65,207	-653	1.00	100.00		
<i>ERCOT has been granted a waiver and is not required to report CPS2.</i>						
ERCOT ISO	ERCOT	65,207	-653	1.00	100.00	

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Western Interconnection		171,864	-2,024	1.18	100.00		
WECC-AZNMNV		30,176	-379	1.26	18.75		
Arizona Public Service Company	AZPS	7,263	-72.6	1.00	3.59	46.17	
Arlington Valley, LLC	DEAA	(600)*	-6		0.30	13.27	
El Paso Electric Company	EPE	1,666	-19	1.14	0.94	23.62	
Griffith Energy, LLC	GRIF	(590)*	-5.9		0.29	13.16	
Harquahala L.L.C.	HGMA	(1055)*	-10.6		0.52	17.64	
Imperial Irrigation District	IID	996	-10	1.00	0.49	17.14	
Nevada Power Company	NEVP	6,075	-60.75	1.00	3.00	42.23	
Panda Gila River, L.P.	GRMA	(2052)*	-20.5		1.01	24.53	
Public Service Company of New Mexico	PNM	2,730	-27.3	1.00	1.35	28.31	
Salt River Project	SRP	6,415	-64.1	1.00	3.17	43.38	
Tucson Electric Power Company	TEPC	3,107	-31.1	1.00	1.54	30.22	
Western Area Power Administration, Lower Colorado Region	WALC	1,924	-51.6	2.68	2.55	38.92	
WECC-CAMX		57,669	-589	1.02	29.08		
California Independent System Operator	CISO	48,645	-486.5	1.00	24.04	119.52	
Comision Federal de Electricidad	CFE	2,328	-35.1	1.51	1.73	32.10	
Los Angeles Department of Water and Power	LDWP	6,696	-67	1.00	3.31	44.35	

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WECC-NWPP		72,823	-892	1.22	44.06		
Alberta Electric System Operator	AESO	10,016	-125	1.25	6.18	60.58	
Avista Corp.	AVA	2,353	-23.5	1.00	1.16	26.27	
Bonneville Power Administration	BPAT	11,061	150 - 700**	1.41	7.71	67.70	Variable
British Columbia Hydro and Power Authority	BCHA	11,552	116 - 250**	1.06	6.03	59.85	Variable
City of Tacoma, Department of Public Utilities, Light Division	TPWR	987	-18	1.82	0.89	22.99	
Idaho Power Company	IPCO	3,474	-44	1.27	2.17	35.94	
NaturEner Power Watch, LLC (GWA)	GWA	(210)*	-2.1		0.10	7.85	
NorthWestern Energy	NWMT	1,740	-20	1.15	0.99	24.23	
PacifiCorp-East	PACE	7,944	-79.4	1.00	3.92	48.28	
PacifiCorp-West	PACW	3,836	-42	1.09	2.08	35.12	
Portland General Electric Company	PGE	3,843	-50	1.30	2.47	38.32	
PUD No. 1 of Chelan County	CHPD	595	-12	2.02	0.59	18.77	
PUD No. 1 of Douglas County	DOPD	340	-7	2.06	0.35	14.34	
PUD No. 2 of Grant County	GCPD	711	-25	3.52	1.24	27.09	
Puget Sound Energy	PSEI	5,270	-52.7	1.00	2.60	39.34	
Sacramento Municipal Utility District	SMUD	4,499	-44.99	1.00	2.22	36.35	
Seattle Department of Lighting	SCL	1,935	-40	2.07	1.98	34.27	
Sierra Pacific Power Company	SPPC	1,944	-19.44	1.00	0.96	23.89	
Turlock Irrigation District	TID	593	-6.5	1.10	0.32	13.81	
Western Area Power Administration, Upper-Missouri Region	WAUW	130	-2	1.54	0.10	7.66	

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WECC-RMPA		11,196	-164	1.46	8.10		
Public Service Company of Colorado	PSCO	7,494	-110	1.47	5.44	56.83	
Western Area Power Administration, Colorado- Missouri Region	WACM	3,702	-54	1.46	2.67	39.82	

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Interconnection Epsilons		
Interconnection	Epsilon 1	Epsilon 10
Eastern	18	5.7
Hydro Quebec	21	24.9
Western	22.8	7.3
ERCOT	30	13.15