

eGRID2010 Version 1.1

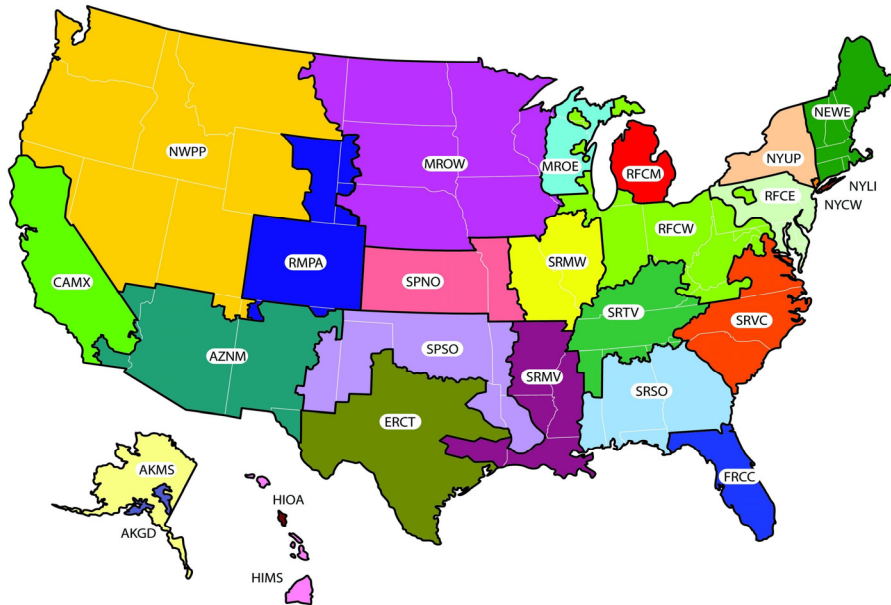
Year 2007 Summary Tables

(created May 2011)

1. Year 2007 eGRID Subregion Emissions - Greenhouse Gases
2. Year 2007 eGRID Subregion Emissions - Criteria Pollutants
3. Year 2007 eGRID Subregion Output Emission Rates - Greenhouse Gases
4. Year 2007 eGRID Subregion Output Emission Rates - Criteria Pollutants
5. Year 2007 eGRID Subregion Resource Mix
6. Year 2007 NERC Region Emissions
7. Year 2007 NERC Region Output Emission Rates
8. Year 2007 NERC Region Resource Mix
9. Year 2007 eGRID2010 Gross Grid Loss Factors
10. Year 2007 State Emissions and Input Emission Rates
11. Year 2007 State Resource Mix
12. Year 2007 Generation by Fuel Type (graphic representation)

Year 2007 eGRID Subregion Emissions - Criteria Pollutants

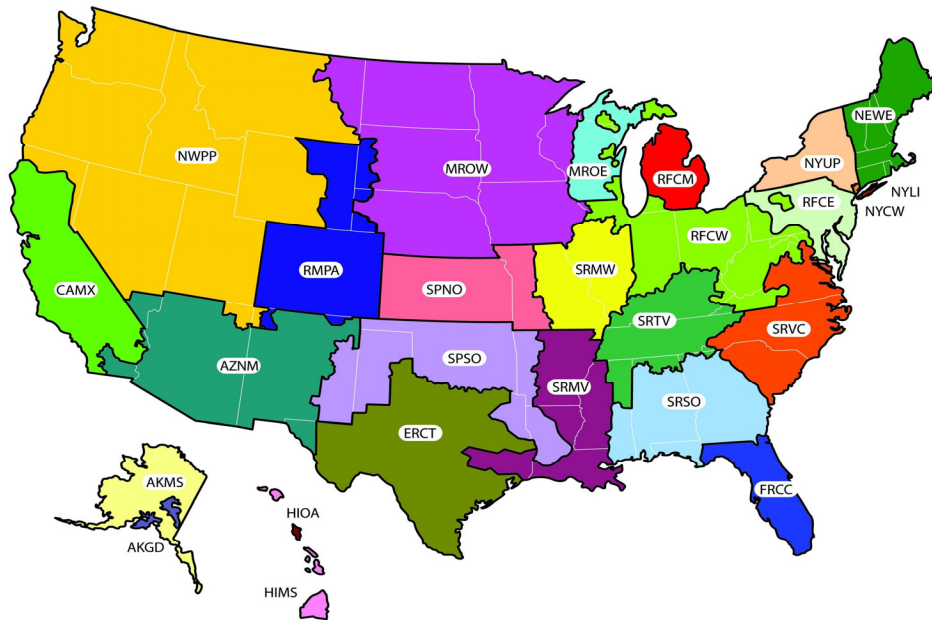
eGRID subregion acronym	eGRID subregion name	Nitrogen oxides (NO _x)				Sulfur dioxide (SO ₂)	
		Emissions (tons)	Total output emission rate (lb/MWh)	Ozone season emissions (tons)	Ozone season total output emission rate (lb/MWh)	Emissions (tons)	Total output emission rate (lb/MWh)
AKGD	ASCC Alaska Grid	7,618.04	2.7929	2,905.80	2.7588	3,582.66	1.3135
AKMS	ASCC Miscellaneous	4,995.07	7.3126	2,004.09	7.3716	409.07	0.5989
AZNM	WECC Southwest	168,953.29	1.8703	75,208.98	1.7605	87,080.01	0.9640
CAMX	WECC California	68,672.30	0.6235	30,179.77	0.5899	46,660.61	0.4237
ERCT	ERCOT All	126,143.17	0.7382	57,312.04	0.7224	436,716.26	2.5557
FRCC	FRCC All	216,620.07	1.9832	102,298.95	1.9387	347,653.51	3.1828
HIMS	HICC Miscellaneous	8,989.04	5.6167	3,992.01	5.7801	3,303.16	2.0639
HIOA	HICC Oahu	18,380.75	4.4118	7,858.81	4.3407	42,060.81	10.0956
MROE	MRO East	34,081.96	2.3039	14,586.61	2.2586	97,121.79	6.5654
MROW	MRO West	285,120.71	3.0683	120,546.06	3.0208	492,909.53	5.3043
NEWE	NPCC New England	55,653.00	0.8402	22,100.15	0.7618	188,330.50	2.8432
NWPP	WECC Northwest	195,800.97	1.4508	79,638.49	1.4132	173,609.70	1.2864
NYCW	NPCC NYC/Westchester	10,473.61	0.4758	5,037.05	0.4683	11,987.15	0.5446
NYLI	NPCC Long Island	12,846.15	1.9808	5,527.06	1.7812	26,158.62	4.0335
NYUP	NPCC Upstate NY	33,363.66	0.7199	13,199.14	0.6879	111,208.37	2.3996
RFCE	RFC East	204,692.31	1.5102	70,551.41	1.1635	1,074,103.01	7.9245
RFCM	RFC Michigan	108,733.94	2.2963	37,437.76	1.7926	342,825.16	7.2401
RFCW	RFC West	799,089.26	2.5006	204,294.29	1.4829	2,748,168.75	8.5998
RMPA	WECC Rockies	87,239.47	2.7033	37,518.33	2.6755	80,749.44	2.5022
SPNO	SPP North	103,189.87	2.9506	43,439.91	2.7539	177,830.36	5.0848
SPSO	SPP South	158,906.88	2.2384	70,059.25	2.1019	257,609.04	3.6288
SRMV	SERC Mississippi Valley	97,262.78	1.1817	48,713.79	1.2672	134,488.46	1.6340
SRMW	SERC Midwest	125,281.19	1.7986	36,012.67	1.2033	378,233.21	5.4302
SRSO	SERC South	262,530.24	1.9120	93,047.87	1.4543	1,174,635.94	8.5548
SRTV	SERC Tennessee Valley	294,705.07	2.4561	69,701.65	1.3018	638,758.94	5.3235
SRVC	SERC Virginia/Carolina	196,705.37	1.2522	68,663.01	0.9729	750,246.16	4.7758
U.S.		3,686,048.14	1.7717	1,321,834.96	1.4161	9,826,440.24	4.7230



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Year 2007 eGRID Subregion Output Emission Rates - Greenhouse Gases

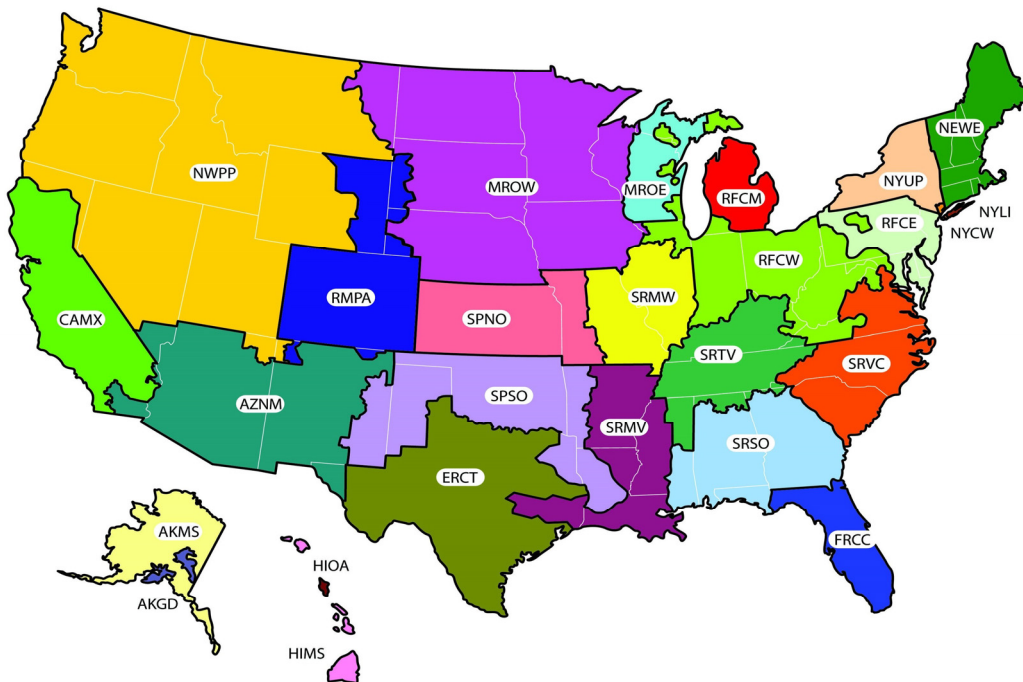
eGRID subregion acronym	eGRID subregion name	Total output emission rates			Fossil fuel output emission rate	Non-baseload output emission rates		
		CO ₂ (lb/MWh)	CH ₄ (lb/GWh)	N ₂ O (lb/GWh)	CO ₂ (lb/MWh)	CO ₂ (lb/MWh)	CH ₄ (lb/GWh)	N ₂ O (lb/GWh)
AKGD	ASCC Alaska Grid	1,284.72	27.11	7.44	1,392.63	1,363.19	34.99	6.95
AKMS	ASCC Miscellaneous	535.73	22.65	4.48	1,396.09	1,462.30	61.68	12.18
AZNM	WECC Southwest	1,252.61	18.80	16.57	1,634.72	1,211.84	20.56	9.31
CAMX	WECC California	681.01	28.29	6.23	1,076.44	1,045.30	39.42	4.74
ERCT	ERCOT All	1,252.57	17.76	13.99	1,471.03	1,096.19	19.69	5.63
FRCC	FRCC All	1,220.11	41.19	15.25	1,287.41	1,286.41	43.40	11.50
HIMS	HICC Miscellaneous	1,343.82	135.15	21.71	1,716.75	1,645.57	122.94	21.33
HIOA	HICC Oahu	1,620.76	91.05	20.89	1,601.03	1,630.89	106.18	18.52
MROE	MRO East	1,692.32	28.79	29.05	2,158.93	1,905.18	35.25	29.98
MROW	MRO West	1,722.67	28.97	29.19	2,236.62	1,988.69	53.59	32.98
NEWE	NPCC New England	827.95	76.98	15.20	1,236.14	1,204.91	60.69	13.41
NWPP	WECC Northwest	858.79	16.34	13.64	1,898.74	1,279.58	43.31	15.75
NYCW	NPCC NYC/Westchester	704.80	26.22	3.35	1,101.24	1,234.06	37.65	4.88
NYLI	NPCC Long Island	1,418.74	90.50	13.10	1,359.04	1,397.80	44.08	6.99
NYUP	NPCC Upstate NY	683.27	17.41	9.90	1,545.21	1,384.20	31.55	16.19
RFCE	RFC East	1,059.32	27.40	17.03	1,593.55	1,671.96	33.29	22.19
RFCM	RFC Michigan	1,651.11	32.55	27.79	1,779.70	1,803.64	32.09	27.33
RFCW	RFC West	1,551.52	18.37	25.93	1,989.91	1,982.05	24.30	31.48
RMPA	WECC Rockies	1,906.06	23.63	28.89	2,006.87	1,554.38	23.17	16.45
SPNO	SPP North	1,798.71	21.22	29.20	2,156.45	1,958.22	25.40	27.75
SPSO	SPP South	1,624.03	24.52	22.42	1,781.62	1,435.24	25.03	13.14
SRMV	SERC Mississippi Valley	1,004.10	21.80	11.15	1,423.60	1,171.05	28.25	6.91
SRMW	SERC Midwest	1,779.27	20.57	29.60	2,085.71	1,945.66	24.02	29.69
SRSO	SERC South	1,495.47	23.64	24.57	1,894.27	1,551.05	28.50	21.69
SRTV	SERC Tennessee Valley	1,540.85	19.87	25.48	2,067.11	1,917.25	25.98	30.05
SRVC	SERC Virginia/Carolina	1,118.41	22.26	19.08	1,833.46	1,661.11	38.01	24.51
U.S.		1,293.05	25.07	19.64	1,744.81	1,520.21	32.23	18.41



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Year 2007 eGRID Subregion Output Emission Rates - Criteria Pollutants

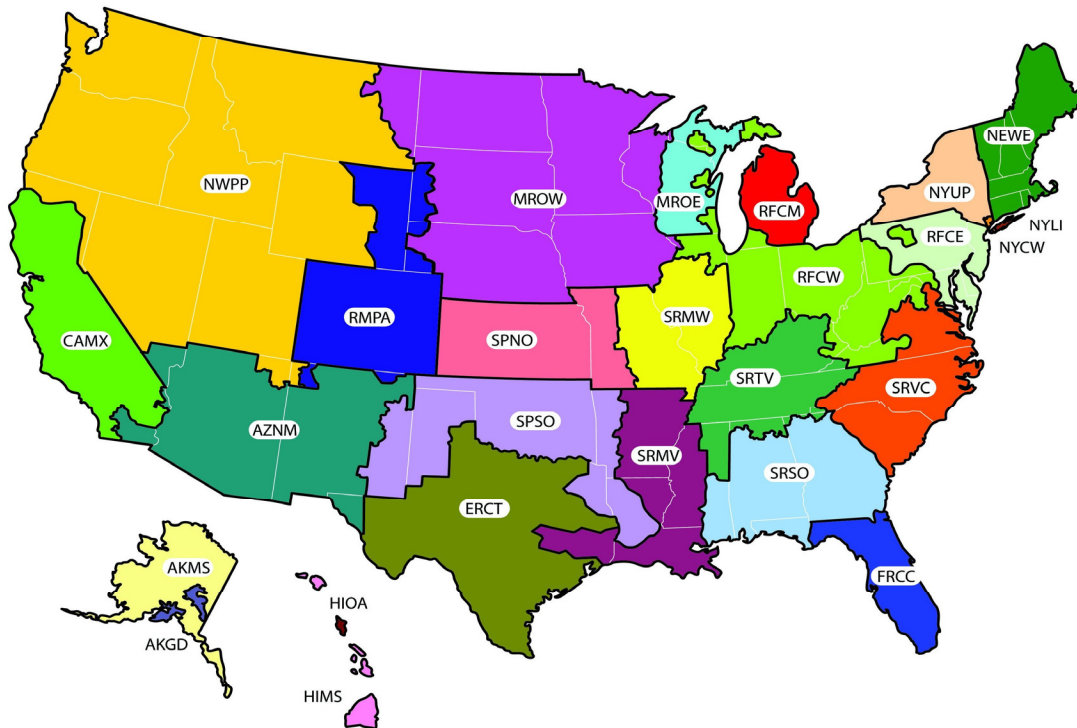
eGRID subregion acronym	eGRID subregion name	Total output emission rates			Fossil fuel output emission rates			Non-baseload output emission rates		
		NO _x	Ozone season NO _x	SO ₂	NO _x	Ozone season NO _x	SO ₂	NO _x	Ozone season NO _x	SO ₂
		(lb/MWh)	(lb/MWh)	(lb/MWh)	(lb/MWh)	(lb/MWh)	(lb/MWh)	(lb/MWh)	(lb/MWh)	(lb/MWh)
AKGD	ASCC Alaska Grid	2.7929	2.7588	1.3135	3.0275	3.0266	1.4238	2.7006	2.7781	1.3563
AKMS	ASCC Miscellaneous	7.3126	7.3716	0.5989	19.0565	19.0551	1.5606	20.8079	20.7284	1.7088
AZNM	WECC Southwest	1.8703	1.7605	0.9640	2.4334	2.2498	1.2403	1.0408	1.0189	0.4500
CAMX	WECC California	0.6235	0.5899	0.4237	0.8724	0.8312	0.5200	0.3481	0.3213	0.1699
ERCT	ERCOT All	0.7382	0.7224	2.5557	0.8642	0.8373	3.0015	0.5254	0.5440	0.6708
FRCC	FRCC All	1.9832	1.9387	3.1828	1.9260	1.8932	2.8396	1.6465	1.6452	2.6173
HIMS	HICC Miscellaneous	5.6167	5.7801	2.0639	7.1049	7.3571	2.2328	8.4570	8.6419	2.4412
HIOA	HICC Oahu	4.4118	4.3407	10.0956	4.1563	4.1187	9.3845	3.4674	3.5661	5.5465
MROE	MRO East	2.3039	2.2586	6.5654	2.8124	2.7539	8.2219	3.3246	3.1142	6.9891
MROW	MRO West	3.0683	3.0208	5.3043	3.8987	3.8244	6.7499	3.7435	3.6304	6.2192
NEWE	NPCC New England	0.8402	0.7618	2.8432	0.5842	0.4657	2.8991	0.8070	0.7584	2.4570
NWPP	WECC Northwest	1.4508	1.4132	1.2864	3.1376	3.0449	2.7183	1.8687	1.9246	0.7560
NYCW	NPCC NYC/Westchester	0.4758	0.4683	0.5446	0.5474	0.5278	0.2367	0.9107	0.8936	0.7154
NYLI	NPCC Long Island	1.9808	1.7812	4.0335	1.3237	1.1758	2.0426	1.4251	1.3364	2.1349
NYUP	NPCC Upstate NY	0.7199	0.6879	2.3996	1.4670	1.3721	5.1319	1.4287	1.2893	5.3505
RFCE	RFC East	1.5102	1.1635	7.9245	2.0525	1.4838	11.5436	2.1931	1.7993	9.7750
RFCM	RFC Michigan	2.2963	1.7926	7.2401	2.3845	1.8257	7.7302	2.1878	1.7064	6.6509
RFCW	RFC West	2.5006	1.4829	8.5998	3.1920	1.8723	11.0232	3.2024	2.2120	11.6345
RMPA	WECC Rockies	2.7033	2.6755	2.5022	2.8458	2.8113	2.6346	1.8311	1.8692	1.6391
SPNO	SPP North	2.9506	2.7539	5.0848	3.5374	3.2451	6.0961	3.2652	2.9412	5.6117
SPSO	SPP South	2.2384	2.1019	3.6288	2.4325	2.2812	3.9186	1.9948	1.8466	1.9899
SRMV	SERC Mississippi Valley	1.1817	1.2672	1.6340	1.6075	1.6612	2.1409	1.5027	1.5747	1.1215
SRMW	SERC Midwest	1.7986	1.2033	5.4302	2.1044	1.4110	6.3654	2.4532	1.5207	6.9192
SRSO	SERC South	1.9120	1.4543	8.5548	2.3520	1.7480	10.7235	2.1828	1.7771	8.4600
SRTV	SERC Tennessee Valley	2.4561	1.3018	5.3235	3.2743	1.7189	7.1067	2.9453	1.8351	7.2787
SRVC	SERC Virginia/Carolina	1.2522	0.9729	4.7758	1.9307	1.4269	7.6050	2.0702	1.5899	7.9666
U.S.		1.7717	1.4161	4.7230	2.3078	1.7994	6.2016	1.9542	1.6205	5.0676



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Year 2007 eGRID Subregion Resource Mix

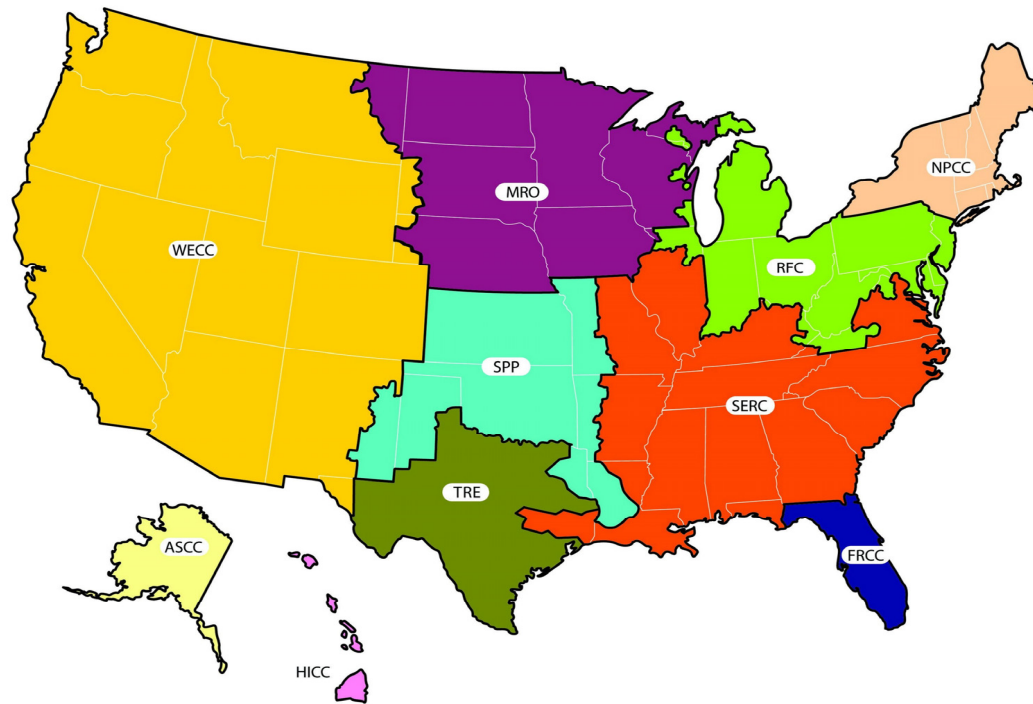
eGRID subregion acronym	eGRID subregion name	Nameplate capacity (MW)	Net Generation (MWh)	Generation resource mix (percent)										
				Coal	Oil	Gas	Other fossil	Biomass	Hydro	Nuclear	Wind	Solar	Geo-thermal	Other unknown/purchased fuel
AKGD	ASCC Alaska Grid	1,518.0	5,455,237.8	11.7577	10.4402	70.0532	0.0000	0.0004	7.7484	0.0000	0.0000	0.0000	0.0000	0.0000
AKMS	ASCC Miscellaneous	655.3	1,366,153.8	0.0000	32.2402	3.3648	0.0000	0.7463	63.5746	0.0000	0.0741	0.0000	0.0000	0.0000
AZNM	WECC Southwest	46,015.4	180,672,682.6	40.1813	0.0816	36.2336	0.0024	0.2011	5.9365	14.8237	0.3883	0.0291	2.1225	0.0000
CAMX	WECC California	70,215.5	220,263,466.1	7.5861	1.0392	52.4677	0.9253	2.4035	12.0626	16.2499	2.5356	0.2529	4.3800	0.0974
ERCT	ERCOT All	92,773.7	341,760,987.6	34.3868	0.3681	49.4793	0.8729	0.0969	0.2651	11.9835	2.3692	0.0000	0.0000	0.1782
FRCC	FRCC All	60,623.5	218,460,124.1	26.8624	9.2320	47.2864	0.6187	1.6964	0.0027	13.4072	0.0000	0.0000	0.0000	0.8944
HIMS	HICC Miscellaneous	861.3	3,200,833.1	1.9319	76.9411	0.0000	0.0000	3.6187	2.8850	0.0000	7.4413	0.0000	7.1821	0.0000
HIOA	HICC Oahu	1,812.6	8,332,516.5	18.2069	77.4250	0.0000	2.4543	1.9138	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
MROE	MRO East	8,727.5	29,585,873.8	66.5760	3.1916	7.8773	0.1227	3.3536	2.9773	15.6352	0.1466	0.0000	0.0000	0.1198
MROW	MRO West	47,342.8	185,852,136.2	70.9913	0.5007	4.9605	0.2250	0.9578	3.4802	15.4227	3.4345	0.0000	0.0000	0.0274
NEWE	NPCC New England	36,406.1	132,475,838.2	15.1470	4.2301	40.8361	1.4706	5.8083	4.5055	27.9097	0.0827	0.0000	0.0000	0.0101
NWPP	WECC Northwest	64,520.5	269,912,352.3	31.9586	0.2232	12.7764	0.2884	1.1039	48.3655	3.0041	1.8861	0.0000	0.3427	0.0510
NYCW	NPCC NYC/Westchester	13,754.5	44,025,208.3	0.0000	4.9674	56.3290	0.4204	0.4684	0.0031	37.7964	0.0000	0.0000	0.0000	0.0153
NYLI	NPCC Long Island	5,652.3	12,970,713.1	0.0000	31.4136	61.3050	3.3988	3.8826	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NYUP	NPCC Upstate NY	24,991.1	92,687,482.7	23.0943	2.1812	17.9156	0.3905	1.2611	26.4080	27.8494	0.8992	0.0000	0.0000	0.0006
RFCE	RFC East	73,230.6	271,084,651.4	42.1968	1.0967	13.0776	1.0865	1.1599	0.9314	40.2823	0.1688	0.0000	0.0000	0.0000
RFCM	RFC Michigan	29,339.0	94,701,550.0	69.7828	0.6794	12.2393	0.6277	1.8355	0.0000	14.8325	0.0029	0.0000	0.0000	0.0000
RFCW	RFC West	142,538.5	639,125,882.3	72.8740	0.2830	2.9123	0.5560	0.3265	0.5564	22.2875	0.1467	0.0000	0.0000	0.0576
RMPA	WECC Rockies	15,669.6	64,541,846.1	71.2986	0.0608	23.6174	0.0000	0.0482	2.8805	0.0000	2.0272	0.0034	0.0000	0.0638
SPNO	SPP North	18,941.8	69,945,683.7	74.9130	0.3409	8.1093	0.0472	0.0002	0.1170	14.8246	1.6478	0.0000	0.0000	0.0000
SPSO	SPP South	41,868.4	141,980,033.1	56.3500	0.1746	34.5536	0.3109	1.5907	4.3904	0.0000	2.4301	0.0000	0.0000	0.1997
SRMV	SERC Mississippi Valley	49,455.6	164,615,248.8	22.9883	1.6361	44.7224	1.2966	2.1850	1.3538	25.4669	0.0000	0.0000	0.0000	0.3508
SRMW	SERC Midwest	31,996.5	139,308,548.0	80.7950	0.0611	4.3900	0.0167	0.0781	1.2859	13.3677	0.0055	0.0000	0.0000	0.0000
SRSO	SERC South	70,497.6	274,614,568.7	63.5126	0.3465	15.1219	0.1211	2.8948	1.3824	16.6207	0.0000	0.0000	0.0000	0.0000
SRTV	SERC Tennessee Valley	60,048.6	239,977,219.6	66.1383	1.2488	7.1996	0.0084	0.8518	3.7272	20.8052	0.0208	0.0000	0.0000	0.0000
SRVC	SERC Virginia/Carolina	78,748.9	314,185,130.2	51.0771	0.8775	6.6934	0.2246	1.9631	0.7283	38.3574	0.0000	0.0000	0.0000	0.0786
U.S.		1,088,205.2	4,161,101,968.1	48.4534	1.5762	21.6786	0.5176	1.3084	5.7823	19.3801	0.8279	0.0147	0.3518	0.1091



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Year 2007 NERC Region Emissions

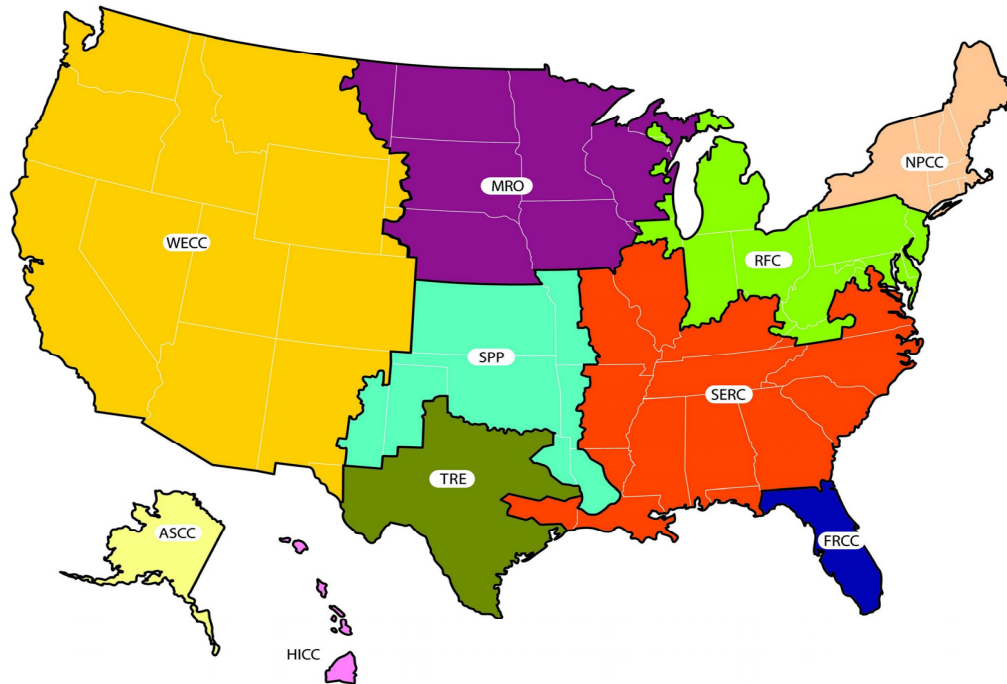
NERC region acronym	NERC region name	Nitrogen oxides (NO _x)				Sulfur dioxide (SO ₂)		Carbon dioxide (CO ₂)		Methane (CH ₄)		Nitrous oxide (N ₂ O)	
		Emissions (tons)	Total output emission rate (lb/MWh)	Ozone season emissions (tons)	Ozone season total output emission rate (lb/MWh)	Emissions (tons)	Total output emission rate (lb/MWh)	Emissions (tons)	Total output emission rate (lb/MWh)	Emissions (lbs)	Total output emission rate (lb/GWh)	Emissions (lbs)	total output emission rate (lb/GWh)
ASCC	Alaska Systems Coordinating Council	12,613.11	3.6981	4,909.89	3.7052	3,991.73	1.1704	3,870,171.3	1,134.72	178,811.0	26.21	46,691.4	6.84
FRCC	Florida Reliability Coordinating Council	216,620.07	1.9832	102,298.95	1.9387	347,653.51	3.1828	133,272,674.4	1,220.11	8,999,083.8	41.19	3,332,553.5	15.25
HICC	Hawaiian Islands Coordinating Council	27,369.79	4.7462	11,850.82	4.7382	45,363.97	7.8666	8,903,185.2	1,543.90	1,191,239.4	103.29	243,537.4	21.12
MRO	Midwest Reliability Organization	319,202.67	2.9633	135,132.67	2.9147	590,031.32	5.4775	185,115,380.6	1,718.50	6,235,482.0	28.94	6,285,200.1	29.17
NPCC	Northeast Power Coordinating Council	112,336.42	0.7963	45,863.40	0.7390	337,684.64	2.3936	111,222,832.5	788.37	14,140,588.0	50.12	3,248,581.3	11.51
RFCC	Reliability First Corporation	1,112,515.51	2.2142	312,283.46	1.4241	4,165,096.92	8.2895	717,571,400.7	1,428.13	22,251,827.3	22.14	23,818,032.3	23.70
SERC	SERC Reliability Corporation	976,484.64	1.7242	316,138.99	1.2327	3,076,362.72	5.4319	772,495,258.4	1,363.99	24,707,495.1	21.81	24,814,827.4	21.91
SPP	Southwest Power Pool	262,096.74	2.4735	113,499.16	2.3113	435,439.41	4.1094	178,195,461.2	1,681.68	4,965,502.4	23.43	5,225,140.1	24.66
TRE	Texas Regional Entity	126,143.17	0.7382	57,312.04	0.7224	436,716.26	2.5557	214,038,968.6	1,252.57	6,068,633.9	17.76	4,781,591.7	13.99
WECC	Western Electricity Coordinating Council	520,666.03	1.4160	222,545.58	1.3549	388,099.77	1.0555	365,566,130.2	994.21	15,563,365.1	21.16	9,913,688.4	13.48
U.S.		3,686,048.14	1.7717	1,321,834.96	1.4161	9,826,440.24	4.7230	2,690,251,463.1	1,293.05	104,302,028.0	25.07	81,709,843.6	19.64



This is a representational map; many of the boundaries shown on this map are approximate because they are based on companies, not on strictly geographical boundaries.

Year 2007 NERC Region Output Emission Rates

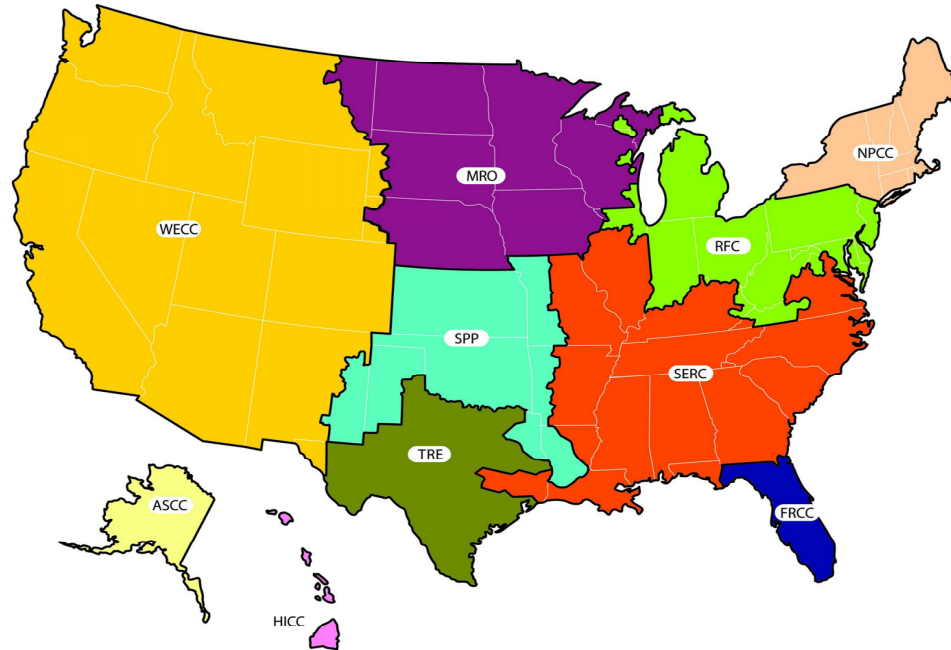
NERC region acronym	NERC region name	Total output emission rates						Fossil fuel output emission rates				Non-baseload output emission rates					
		NO _x (lb/MWh)	Ozone season NO _x (lb/MWh)	SO ₂ (lb/MWh)	CO ₂ (lb/MWh)	CH ₄ (lb/GWh)	N ₂ O (lb/GWh)	NO _x (lb/MWh)	Ozone season NO _x (lb/MWh)	SO ₂ (lb/MWh)	CO ₂ (lb/MWh)	NO _x (lb/MWh)	Ozone season NO _x (lb/MWh)	SO ₂ (lb/MWh)	CO ₂ (lb/MWh)	CH ₄ (lb/GWh)	N ₂ O (lb/GWh)
ASCC	Alaska Systems Coordinating Council	3.6981	3.7052	1.1704	1,134.72	26.21	6.84	4.5397	4.6091	1.4367	1,392.95	6.0781	5.8022	1.4220	1,381.67	39.97	7.92
FRCC	Florida Reliability Coordinating Council	1.9832	1.9387	3.1828	1,220.11	41.19	15.25	1.9260	1.8932	2.8396	1,287.41	1.6465	1.6452	2.6173	1,286.41	43.40	11.50
HICC	Hawaiian Islands Coordinating Council	4.7462	4.7382	7.8666	1,543.90	103.29	21.12	4.8474	4.8634	7.7082	1,628.16	5.0426	5.1363	4.5662	1,635.53	111.47	19.40
MRO	Midwest Reliability Organization	2.9633	2.9147	5.4775	1,718.50	28.94	29.17	3.7474	3.6729	6.9549	2,225.80	3.6608	3.5162	6.3713	1,972.20	49.97	32.39
NPCC	Northeast Power Coordinating Council	0.7963	0.7390	2.3936	788.37	50.12	11.51	0.8564	0.7418	2.9464	1,300.48	1.0253	0.9619	2.7365	1,269.16	48.23	11.78
RFC	Reliability First Corporation	2.2142	1.4241	8.2895	1,428.13	22.14	23.70	2.8387	1.7746	10.7622	1,875.18	2.7575	2.0087	10.3721	1,864.30	28.09	28.12
SERC	SERC Reliability Corporation	1.7242	1.2327	5.4319	1,363.99	21.81	21.91	2.3151	1.6087	7.3666	1,879.38	2.2369	1.6837	6.4190	1,624.65	29.48	22.10
SPP	Southwest Power Pool	2.4735	2.3113	4.1094	1,681.68	23.43	24.66	2.7765	2.5762	4.5966	1,898.33	2.2878	2.1022	2.8252	1,555.86	25.12	16.51
TRE	Texas Regional Entity	0.7382	0.7224	2.5557	1,252.57	17.76	13.99	0.8642	0.8373	3.0015	1,471.03	0.5254	0.5440	0.6708	1,096.19	19.69	5.63
WECC	Western Electricity Coordinating Council	1.4160	1.3549	1.0555	994.21	21.16	13.48	2.2079	2.0806	1.6028	1,587.37	1.0257	0.9999	0.5212	1,198.38	31.66	9.57
U.S.		1.7717	1.4161	4.7230	1,293.05	25.07	19.64	2.3078	1.7994	6.2016	1,744.81	1.9542	1.6205	5.0676	1,520.21	32.23	18.41



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Year 2007 NERC Region Resource Mix

NERC region acronym	NERC region name	Nameplate capacity (MW)	Net Generation (MWh)	Generation resource mix (percent)										
				Coal	Oil	Gas	Other fossil	Biomass	Hydro	Nuclear	Wind	Solar	Geo-thermal	Other unknown/purchased fuel
ASCC	Alaska Systems Coordinating Council	2,173.3	6,821,391.6	9.4029	14.8062	56.6972	0.0000	0.1498	18.9290	0.0000	0.0148	0.0000	0.0000	0.0000
FRCC	Florida Reliability Coordinating Council	60,623.5	218,460,124.1	26.8624	9.2320	47.2864	0.6187	1.6964	0.0027	13.4072	0.0000	0.0000	0.0000	0.8944
HICC	Hawaiian Islands Coordinating Council	2,673.9	11,533,349.6	13.6901	77.2907	0.0000	1.7732	2.3869	0.8007	0.0000	2.0652	0.0000	1.9932	0.0000
MRO	Midwest Reliability Organization	56,070.3	215,438,010.1	70.3849	0.8702	5.3611	0.2110	1.2868	3.4111	15.4519	2.9830	0.0000	0.0000	0.0401
NPCC	Northeast Power Coordinating Council	80,804.0	282,159,242.3	14.6979	4.9217	36.6652	1.0406	3.3929	10.7907	28.1495	0.3342	0.0000	0.0000	0.0073
RFC	Reliability First Corporation	245,108.1	1,004,912,083.6	64.3509	0.5403	6.5411	0.7063	0.6947	0.5426	26.4485	0.1391	0.0000	0.0000	0.0366
SERC	SERC Reliability Corporation	290,747.2	1,132,700,715.3	56.8557	0.8373	14.0875	0.2839	1.7540	1.6817	24.4220	0.0051	0.0000	0.0000	0.0728
SPP	Southwest Power Pool	60,810.2	211,925,716.8	62.4767	0.2295	25.8257	0.2239	1.0657	2.9800	4.8928	2.1719	0.0000	0.0000	0.1338
TRE	Texas Regional Entity	92,773.7	341,760,987.6	34.3868	0.3681	49.4793	0.8729	0.0969	0.2651	11.9835	2.3692	0.0000	0.0000	0.1782
WECC	Western Electricity Coordinating Council	196,421.0	735,390,347.1	30.1314	0.4186	31.3792	0.3836	1.1787	23.0760	9.6117	1.7250	0.0832	1.9591	0.0535
U.S.		1,088,205.2	4,161,101,968.1	48.4534	1.5762	21.6786	0.5176	1.3084	5.7823	19.3801	0.8279	0.0147	0.3518	0.1091



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Year 2007 eGRID2010 Gross Grid Loss Factors

Region	Gross Grid Loss Factor (%)
Eastern Grid	6.471
Western Grid	4.837
Texas	6.415
Alaska	1.244
Hawaii	3.204
U.S.	6.156

Year 2007 State Emissions and Input Emission Rates

State	Nitrogen oxides (NO _x)				Sulfur dioxide (SO ₂)		Carbon dioxide (CO ₂)		Methane (CH ₄)	Nitrous oxide (N ₂ O)	Carbon dioxide equivalent (CO ₂ e)
	Emissions (tons)	Input emission rate (lb/MMBtu)	Ozone season emissions (tons)	Ozone season Input emission rate (lb/MMBtu)	Emissions (tons)	Input emission rate (lb/MMBtu)	Emissions (tons)	Input emission rate (lb/MMBtu)	Emissions (lbs)	Emissions (lbs)	Emissions (tons)
AK	12,613.11	0.4436	4,909.89	0.4429	3,991.73	0.1404	3,870,171.3	136.11	178,811.0	46,691.4	3,879,286.0
AL	127,046.47	0.2450	41,449.99	0.1710	453,832.10	0.8753	95,175,079.1	183.56	3,252,679.8	3,104,833.2	95,690,481.4
AR	40,539.86	0.2191	18,807.00	0.2054	78,215.37	0.4227	32,758,019.7	177.02	1,384,538.5	1,136,388.6	32,948,697.6
AZ	85,561.19	0.2219	38,475.76	0.2089	57,798.14	0.1499	66,806,501.0	173.26	1,796,874.6	1,763,432.8	67,098,700.3
CA	40,895.52	0.0790	17,993.76	0.0732	43,185.64	0.0834	59,745,976.8	115.42	6,278,405.6	894,536.1	59,950,553.1
CO	69,513.22	0.2629	30,098.09	0.2575	68,294.66	0.2583	48,707,188.2	184.21	1,232,425.3	1,434,672.2	48,942,502.9
CT	13,627.61	0.1796	5,813.39	0.1705	38,819.30	0.5115	11,455,975.3	150.94	1,977,435.0	386,072.6	11,536,579.6
DC	159.72	0.2478	137.83	0.2480	374.17	0.5806	104,664.7	162.42	8,996.1	1,804.4	105,038.9
DE	11,239.13	0.2627	4,689.34	0.2371	34,089.05	0.7967	7,696,592.6	179.87	209,763.8	219,894.5	7,732,878.8
FL	233,164.23	0.2583	109,593.39	0.2480	412,317.22	0.4568	145,312,945.9	160.97	9,490,446.0	3,737,078.8	145,991,842.8
GA	112,749.70	0.2123	36,932.09	0.1472	656,549.56	1.2364	101,695,384.7	191.52	2,883,526.7	3,347,770.4	102,244,566.1
HI	27,369.79	0.5187	11,850.82	0.5217	45,363.97	0.8597	8,903,185.2	168.73	1,191,239.4	243,537.4	8,953,441.5
IA	57,201.13	0.2575	23,284.22	0.2419	143,066.18	0.6441	44,340,716.1	199.62	1,045,355.6	1,467,402.4	44,579,139.7
ID	790.74	0.0938	347.99	0.0882	1,442.51	0.1712	801,889.2	95.15	154,896.2	28,590.2	807,947.1
IL	122,678.89	0.2200	35,133.58	0.1442	290,876.32	0.5217	110,803,587.4	198.75	2,585,640.7	3,650,092.1	111,396,500.9
IN	201,840.53	0.3034	57,281.91	0.1993	722,497.96	1.0862	134,051,476.0	201.53	3,106,741.6	4,453,239.4	134,774,348.9
KS	70,517.81	0.3270	28,938.26	0.3009	115,790.48	0.5369	43,128,004.9	199.99	1,005,625.8	1,420,936.3	43,358,809.1
KY	175,398.81	0.3491	40,372.27	0.1837	380,338.47	0.7571	101,862,091.3	202.75	2,379,341.1	3,440,496.2	102,420,351.3
LA	62,684.95	0.1829	29,557.99	0.1805	89,651.98	0.2616	50,112,665.1	146.24	2,142,626.2	1,081,046.5	50,302,724.9
MA	23,885.44	0.1293	9,113.45	0.1105	88,253.38	0.4777	28,206,643.0	152.67	3,050,805.8	771,221.8	28,358,215.8
MD	57,856.24	0.3378	18,231.96	0.2361	302,329.39	1.7651	33,573,366.7	196.01	1,655,057.2	1,162,330.2	33,770,905.9
ME	9,153.02	0.1698	3,654.96	0.1604	15,022.68	0.2787	4,257,425.0	78.98	3,157,344.4	453,933.7	4,360,936.9
MI	120,142.19	0.2732	42,261.45	0.2167	364,020.79	0.8279	83,515,634.0	189.94	3,346,732.8	2,841,901.1	83,991,269.4
MN	82,915.29	0.3833	34,998.55	0.3824	97,016.74	0.4485	41,499,640.8	191.84	2,328,846.5	1,503,548.4	41,757,143.7
MO	109,049.15	0.2697	37,789.01	0.2089	270,644.15	0.6694	81,238,841.2	200.92	1,886,681.5	2,687,573.2	81,675,225.2
MS	49,433.37	0.2627	25,417.54	0.2627	71,894.86	0.3821	30,770,982.0	163.53	1,094,496.9	786,552.9	30,904,390.0
MT	44,565.19	0.3906	15,905.42	0.3462	44,412.88	0.3893	23,350,584.5	204.68	582,111.7	797,239.5	23,480,268.8
NC	68,834.74	0.1688	28,539.35	0.1528	393,946.93	0.9658	80,353,778.6	197.00	2,457,234.1	2,737,822.7	80,803,942.0
ND	70,571.12	0.4396	29,349.01	0.4364	136,593.54	0.8509	34,823,011.7	216.94	753,614.9	1,119,340.9	35,004,422.5
NE	41,524.21	0.3541	17,553.65	0.3372	69,056.19	0.5889	23,500,501.1	200.42	545,547.1	779,286.7	23,627,018.8
NH	7,487.45	0.1375	2,939.39	0.1232	46,087.49	0.8462	7,708,904.4	141.54	1,447,021.2	331,090.7	7,775,417.2
NJ	22,884.17	0.1662	9,885.73	0.1463	83,492.76	0.6062	21,937,504.2	159.29	1,496,956.8	542,313.8	22,037,280.9
NM	71,867.08	0.4232	31,314.89	0.4125	26,671.84	0.1571	32,184,310.5	189.52	791,381.1	985,417.4	32,345,359.7
NV	23,271.91	0.1778	10,578.84	0.1705	8,729.85	0.0667	19,065,644.6	145.68	609,908.9	328,629.0	19,122,986.1
NY	56,370.11	0.1569	23,631.61	0.1437	149,310.54	0.4156	54,445,374.0	151.55	3,865,532.2	1,227,195.7	54,676,177.4
OH	242,376.03	0.3513	57,421.24	0.1888	969,967.97	1.4058	139,768,179.9	202.56	3,352,858.9	4,702,938.4	140,532,340.3
OK	89,987.43	0.2683	39,887.89	0.2502	139,046.97	0.4146	55,557,232.3	165.66	1,616,040.9	1,362,662.7	55,785,413.5
OR	14,113.19	0.1715	5,734.98	0.1661	17,435.97	0.2118	11,312,850.0	137.43	952,774.7	277,299.3	11,365,835.6
PA	203,951.36	0.2895	62,371.40	0.2002	1,061,288.19	1.5064	136,409,270.4	193.62	5,393,096.1	4,516,751.4	137,165,994.3
RI	833.07	0.0298	321.02	0.0241	103.70	0.0037	3,201,967.8	114.54	127,055.5	12,896.2	3,205,300.8
SC	49,266.61	0.2000	17,797.23	0.1544	178,222.87	0.7235	46,911,223.2	190.43	1,657,101.3	1,597,679.3	47,176,263.1
SD	11,017.68	0.6173	5,623.07	0.6096	9,733.34	0.5454	3,473,323.0	194.61	83,830.9	108,538.9	3,491,026.7
TN	107,690.44	0.3378	21,370.41	0.1502	242,422.34	0.7603	64,538,994.0	202.42	1,689,981.0	2,217,302.5	64,900,420.7
TX	173,904.08	0.1076	78,582.98	0.1043	504,628.00	0.3121	265,054,368.6	163.93	7,711,487.2	6,017,653.6	266,068,075.5
UT	77,979.80	0.3451	34,108.17	0.3471	30,034.69	0.1329	43,912,103.2	194.31	1,061,986.0	1,391,766.3	44,138,977.9
VA	73,911.33	0.3014	25,583.75	0.2214	217,183.74	0.8856	44,590,344.3	181.83	2,812,928.0	1,522,490.8	44,855,866.1
VT	666.42	0.2087	257.95	0.2077	43.95	0.0138	10,931.7	3.42	438,607.4	58,492.0	24,603.3
WA	16,275.15	0.1930	6,879.55	0.1893	6,668.71	0.0791	13,865,412.3	164.41	1,053,604.3	464,079.1	13,948,407.4
WI	59,484.91	0.2260	25,410.51	0.2191	149,948.83	0.5698	50,429,615.4	191.61	1,706,888.4	1,686,016.3	50,708,870.2
WV	157,074.51	0.3482	29,391.85	0.1481	408,683.13	0.9060	92,380,022.6	204.81	2,103,479.5	3,133,278.8	92,887,767.4
WY	82,113.08	0.3280	34,260.61	0.3184	87,049.01	0.3477	51,071,363.4	204.01	1,165,665.7	1,726,085.4	51,351,146.1
U.S.	3,686,048.14	0.2475	1,321,834.96	0.1949	9,826,440.24	0.6598	2,690,251,463.1	180.64	104,302,028.0	81,709,843.6	2,704,011,660.1

Year 2007 State Resource Mix

State	Nameplate capacity (MW)	Net Generation (MWh)	Generation resource mix (percent)										Other unknown/purchased fuel
			Coal	Oil	Gas	Other fossil	Biomass	Hydro	Nuclear	Wind	Solar	Geo-thermal	
AK	2,173.3	6,821,391.6	9.4029	14.8062	56.6972	0.0000	0.1498	18.9290	0.0000	0.0148	0.0000	0.0000	0.0000
AL	33,900.3	143,826,270.8	54.2278	0.1091	16.1527	0.1265	2.6425	2.8758	23.8657	0.0000	0.0000	0.0000	0.0000
AR	16,461.7	54,596,235.6	47.1538	0.1725	15.3202	0.0320	2.9741	5.9828	28.3648	0.0000	0.0000	0.0000	0.0000
AZ	28,724.3	113,340,970.3	36.4170	0.0435	33.9411	0.0000	0.0291	5.9317	23.6299	0.0000	0.0076	0.0000	0.0000
CA	68,274.3	211,159,504.1	1.0884	1.1053	54.9409	0.9652	2.6989	13.0885	16.9505	2.6449	0.2638	6.1521	0.1016
CO	13,732.4	53,907,492.1	66.6619	0.0528	27.8548	0.0000	0.0577	2.8966	0.0000	2.3958	0.0041	0.0000	0.0764
CT	8,770.9	33,164,459.2	11.2733	3.9526	29.9470	2.2736	2.0748	1.0299	49.4087	0.0000	0.0000	0.0000	0.0402
DC	868.0	75,251.0	0.0000	100.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
DE	3,524.5	8,534,163.3	65.8743	2.8255	22.2867	8.4496	0.5638	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
FL	63,473.2	231,143,712.5	29.3792	8.7404	45.8741	0.6017	1.8211	0.0668	12.6715	0.0000	0.0000	0.0000	0.8453
GA	39,725.1	145,000,880.2	62.2738	0.5395	11.0865	0.0541	2.2811	1.3204	22.4447	0.0000	0.0000	0.0000	0.0000
HI	2,673.9	11,533,349.6	13.6901	77.2907	0.0000	1.7732	2.3869	0.8007	0.0000	2.0652	0.0000	1.9932	0.0000
IA	13,589.1	49,790,355.0	76.2910	0.6265	6.2078	0.0254	0.3017	1.9328	9.0758	5.5389	0.0000	0.0000	0.0002
ID	3,698.4	11,484,090.6	0.7277	0.0012	14.4309	0.0000	4.1848	78.5582	0.0000	1.5000	0.0000	0.0000	0.5973
IL	48,543.2	200,257,304.4	47.5759	0.0594	3.7659	0.0775	0.3098	0.0768	47.8029	0.3318	0.0000	0.0000	0.0000
IN	30,085.4	130,690,574.2	93.9646	0.1301	3.1099	1.9953	0.1761	0.3443	0.0000	0.0000	0.0000	0.0000	0.2797
KS	12,062.3	50,122,195.7	72.3238	0.4133	4.2548	0.0000	0.0000	0.0210	20.6877	2.2995	0.0000	0.0000	0.0000
KY	23,415.5	97,225,319.4	93.0653	2.8710	1.8525	0.0161	0.4789	1.7162	0.0000	0.0000	0.0000	0.0000	0.0000
LA	29,685.1	92,578,328.7	24.8991	2.4311	47.4355	2.0682	3.2188	0.8929	18.4466	0.0000	0.0000	0.0000	0.6078
MA	15,571.6	47,048,509.5	25.5394	6.4763	52.8870	1.7080	2.5151	0.0000	10.8743	0.0000	0.0000	0.0000	0.0000
MD	13,437.0	50,197,923.8	59.1642	1.9619	4.4642	1.3658	1.1593	3.2914	28.5932	0.0000	0.0000	0.0000	0.0000
ME	4,469.5	16,128,567.4	2.3286	5.0741	41.3837	2.0283	25.3937	23.1773	0.0000	0.6143	0.0000	0.0000	0.0000
MI	32,908.9	117,893,865.2	60.0630	0.5925	9.9453	0.5076	2.0366	0.1194	26.7333	0.0023	0.0000	0.0000	0.0000
MN	14,273.8	54,535,354.5	59.0266	0.7418	7.1539	0.5870	2.3354	1.1989	24.0266	4.8366	0.0000	0.0000	0.0932
MO	21,647.3	91,133,917.6	82.3952	0.0663	5.4401	0.0403	0.0322	1.7423	10.2837	0.0000	0.0000	0.0000	0.0000
MS	17,082.2	49,854,974.3	34.9159	0.8011	42.7999	0.0735	2.6376	0.0000	18.7720	0.0000	0.0000	0.0000	0.0000
MT	5,612.0	28,931,493.0	63.4491	1.6545	0.3663	0.0657	0.3835	32.3673	0.0000	1.7136	0.0000	0.0000	0.0000
NC	29,674.2	130,131,040.8	61.4635	0.3807	3.4371	0.0738	1.2842	2.3985	30.7726	0.0000	0.0000	0.0000	0.1897
ND	5,342.3	31,224,105.0	93.4008	0.1628	0.0531	0.1713	0.0433	4.1807	0.0000	1.9881	0.0000	0.0000	0.0000
NE	7,418.6	32,915,871.1	59.6366	0.1085	3.3686	0.0000	0.1861	2.4969	33.5447	0.6585	0.0000	0.0000	0.0000
NH	4,477.9	23,254,988.6	16.8885	1.6499	24.6525	0.2707	4.8114	5.4407	46.2863	0.0000	0.0000	0.0000	0.0000
NJ	20,233.6	62,671,245.0	16.2282	0.7196	29.8038	1.0906	1.2500	0.0000	50.8753	0.0324	0.0000	0.0000	0.0000
NM	7,875.2	35,974,609.4	76.7309	0.1236	18.4833	0.0000	0.0445	0.7449	0.0000	3.8728	0.0000	0.0000	0.0000
NV	12,377.9	32,813,865.8	21.6095	0.0349	68.2864	0.0130	0.0000	6.1047	0.0000	0.0000	0.1340	3.8176	0.0000
NY	43,276.7	144,552,312.9	14.8082	5.6835	30.6372	0.6834	1.2997	16.9379	29.3685	0.5766	0.0000	0.0000	0.0050
OH	36,457.6	154,647,007.0	85.9478	0.7401	2.5667	0.1871	0.0899	0.2654	10.1936	0.0095	0.0000	0.0000	0.0000
OK	22,240.0	74,813,820.9	46.0315	0.2145	46.9681	0.0342	0.3738	3.8763	0.0000	2.4717	0.0000	0.0000	0.0299
OR	13,894.9	55,077,793.9	7.9009	0.0259	26.9758	0.0751	1.7764	60.9818	0.0000	2.2641	0.0000	0.0000	0.0000
PA	49,436.0	225,840,098.3	54.3003	0.5936	8.5003	0.5766	0.8895	0.6700	34.2615	0.2081	0.0000	0.0000	0.0000
RI	2,021.3	7,049,844.0	0.0000	0.4816	97.2613	0.0000	2.1952	0.0619	0.0000	0.0000	0.0000	0.0000	0.0000
SC	25,044.1	103,402,141.7	40.2145	0.2101	5.7683	0.0953	1.9283	0.3339	51.4495	0.0000	0.0000	0.0000	0.0000
SD	3,219.0	5,662,168.5	46.8961	1.1109	6.1998	0.0005	0.0000	43.1433	0.0000	2.6495	0.0000	0.0000	0.0000
TN	22,736.5	95,113,408.7	63.3321	0.2440	0.7589	0.0152	0.9679	4.4528	30.1749	0.0525	0.0000	0.0000	0.0016
TX	108,838.6	405,502,827.8	36.3201	0.3228	49.2085	0.8881	0.3160	0.4055	10.0998	2.2210	0.0000	0.0000	0.2182
UT	7,515.2	45,372,574.7	81.9235	0.0863	16.3628	0.0111	0.0676	1.1875	0.0000	0.0000	0.0000	0.3613	0.0000
VA	25,610.6	78,360,507.1	44.9887	2.6634	13.8492	0.6492	3.2140	0.0000	34.6343	0.0000	0.0000	0.0000	0.0011
VT	1,093.0	5,823,581.5	0.0000	0.1341	0.0324	0.0000	7.7794	11.1032	80.7704	0.1805	0.0000	0.0000	0.0000
WA	28,699.3	106,990,230.7	7.9978	0.0343	6.8116	0.3746	1.2039	73.7205	7.5788	2.2785	0.0000	0.0000	0.0000
WI	18,227.1	63,364,875.5	63.1710	1.5993	10.2403	0.1103	1.8835	2.3926	20.3746	0.1725	0.0000	0.0000	0.0559
WV	17,076.0	93,933,109.1	97.7997	0.2128	0.4139	0.0597	0.0000	1.3354	0.0000	0.1784	0.0000	0.0000	0.0001
WY	7,036.4	45,633,486.4	94.5069	0.1035	1.3017	0.6839	0.0000	1.5984	0.0000	1.6542	0.0000	0.0000	0.1513
U.S.	1,088,205.2	4,161,101,968.1	48.4534	1.5762	21.6786	0.5176	1.3084	5.7823	19.3801	0.8279	0.0147	0.3518	0.1091

Year 2007 Generation by Fuel Type

