

# **eGRID2012 Version 1.0**

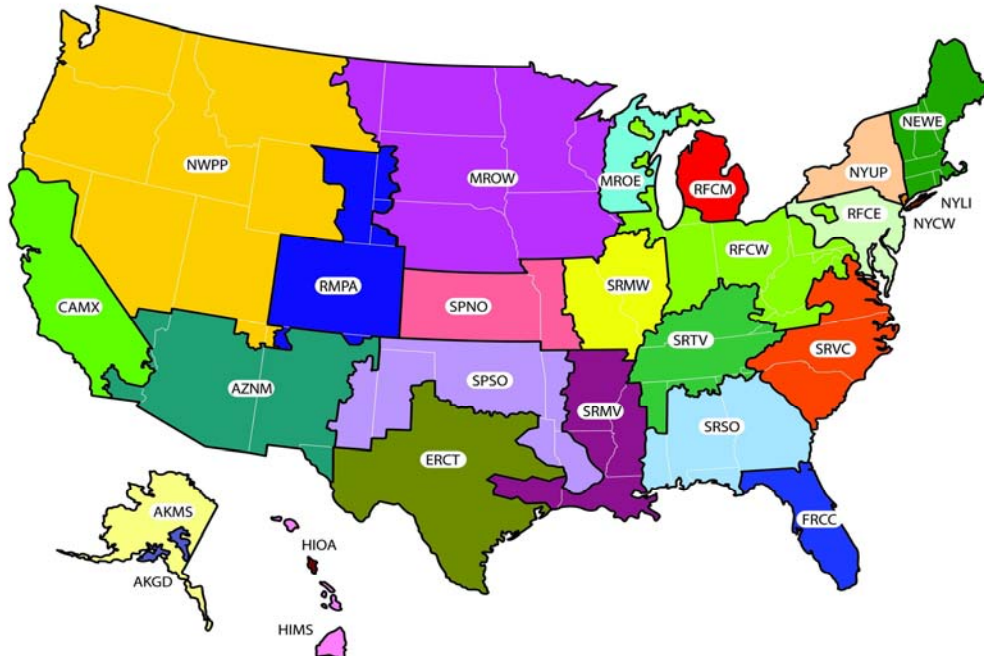
## **Year 2009 Summary Tables**

(created April 2012)

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## Year 2009 eGRID Subregion Emissions - Greenhouse Gases

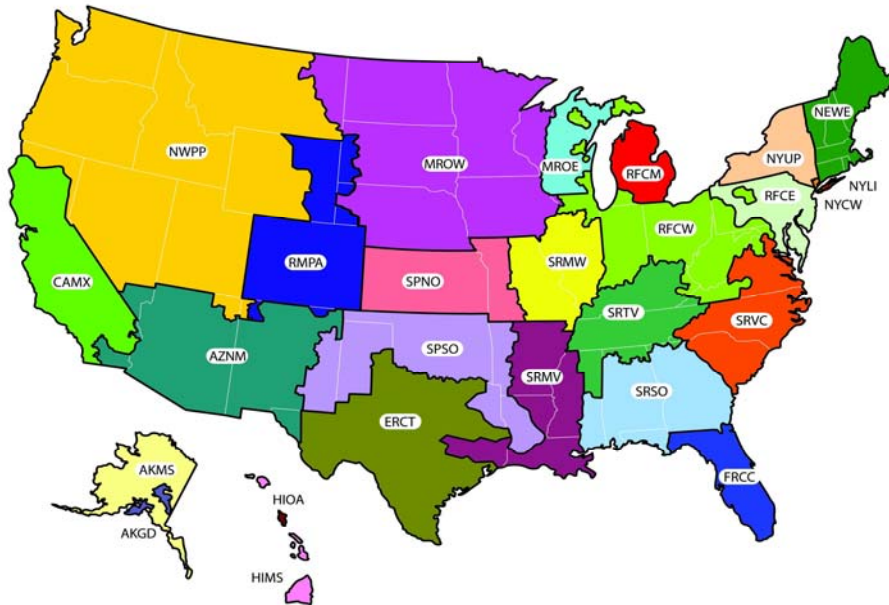
eGRID subregion acronym	eGRID subregion name	Carbon dioxide (CO <sub>2</sub> )		Methane (CH <sub>4</sub> )		Nitrous oxide (N <sub>2</sub> O)		Carbon dioxide equivalent (CO <sub>2</sub> e)	
		Emissions (tons)	Total output emission rate (lb/MWh)	Emissions (lbs)	Total output emission rate (lb/GWh)	Emissions (lbs)	Total output emission rate (lb/GWh)	Emissions (tons)	Total output emission rate (lb/MWh)
AKGD	ASCC Alaska Grid	3,418,599.2	1,280.86	148,059.7	27.74	41,037.1	7.69	3,426,514.6	1,283.82
AKMS	ASCC Miscellaneous	355,546.7	521.26	29,714.2	21.78	5,840.6	4.28	356,764.0	523.05
AZNM	WECC Southwest	110,878,238.5	1,191.35	3,561,141.7	19.13	2,900,380.0	15.58	111,365,189.4	1,196.58
CAMX	WECC California	70,073,810.9	658.68	6,157,626.7	28.94	1,311,778.2	6.17	70,341,791.6	661.20
ERCT	ERCOT All	199,139,906.1	1,181.73	5,629,452.6	16.70	4,416,287.2	13.10	199,883,539.8	1,186.14
FRCC	FRCC All	122,439,895.3	1,176.61	8,166,370.6	39.24	2,816,516.4	13.53	122,962,202.2	1,181.63
HIMS	HICC Miscellaneous	2,040,418.0	1,351.66	218,580.2	72.40	41,676.4	13.80	2,049,172.9	1,357.46
HIOA	HICC Oahu	6,366,549.3	1,593.35	813,084.8	101.74	175,655.3	21.98	6,402,313.2	1,602.30
MROE	MRO East	23,546,678.9	1,591.65	709,541.1	23.98	800,090.0	27.04	23,678,143.0	1,600.54
MROW	MRO West	155,238,602.5	1,628.60	5,490,113.7	28.80	5,297,920.9	27.79	156,117,426.5	1,637.82
NEWE	NPCC New England	44,339,191.3	728.41	9,213,992.4	75.68	1,686,749.2	13.86	44,697,384.3	734.29
NWPP	WECC Northwest	110,316,981.8	819.21	4,118,840.7	15.29	3,366,677.8	12.50	110,882,064.7	823.40
NYCW	NPCC NYC/Westchester	12,366,433.6	610.67	961,942.8	23.75	113,665.3	2.81	12,394,152.1	612.04
NYLI	NPCC Long Island	6,356,817.1	1,347.99	913,584.0	96.86	116,699.5	12.37	6,384,498.1	1,353.86
NYUP	NPCC Upstate NY	21,928,714.4	497.92	1,403,919.9	15.94	595,911.5	6.77	22,035,821.8	500.35
RFCE	RFC East	123,710,640.9	947.42	7,008,815.6	26.84	3,907,455.5	14.96	124,389,889.1	952.63
RFCM	RFC Michigan	73,224,945.8	1,659.46	2,771,897.8	31.41	2,461,195.1	27.89	73,635,536.0	1,668.76
RFCW	RFC West	427,000,110.8	1,520.59	10,176,040.4	18.12	14,115,523.2	25.13	429,294,865.3	1,528.76
RMPA	WECC Rockies	56,623,836.8	1,824.51	1,380,995.5	22.25	1,687,704.3	27.19	56,899,931.4	1,833.41
SPNO	SPP North	59,020,114.4	1,815.76	1,365,746.1	21.01	1,878,166.5	28.89	59,325,570.5	1,825.15
SPSO	SPP South	112,285,381.2	1,599.02	3,265,015.7	23.25	3,059,907.2	21.79	112,793,949.5	1,606.26
SRMV	SERC Mississippi Valley	82,878,735.5	1,002.41	3,215,833.3	19.45	1,761,789.2	10.65	83,185,579.1	1,006.12
SRMW	SERC Midwest	98,040,187.4	1,749.75	2,193,144.7	19.57	3,247,829.8	28.98	98,566,629.1	1,759.15
SRSO	SERC South	167,509,257.9	1,325.68	5,628,363.8	22.27	5,250,262.1	20.78	168,382,146.3	1,332.59
SRTV	SERC Tennessee Valley	161,685,648.7	1,357.71	4,114,940.7	17.28	5,260,404.6	22.09	162,544,218.3	1,364.92
SRVC	SERC Virginia/Carolina	151,834,726.1	1,035.87	6,306,228.1	21.51	5,114,608.4	17.45	152,693,705.8	1,041.73
<b>U.S.</b>		<b>2,402,619,969.1</b>	<b>1,216.18</b>	<b>94,962,986.6</b>	<b>24.03</b>	<b>71,431,731.4</b>	<b>18.08</b>	<b>2,414,688,998.8</b>	<b>1,222.29</b>



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 2009 eGRID Subregion Emissions - Criteria Pollutants

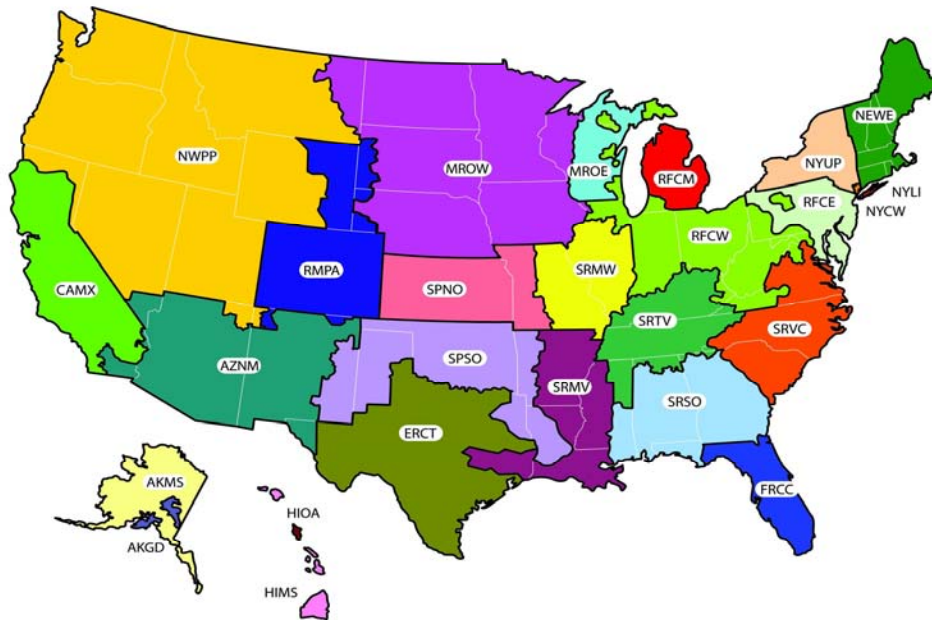
eGRID subregion acronym	eGRID subregion name	Nitrogen oxides (NO <sub>x</sub> )				Sulfur dioxide (SO <sub>2</sub> )	
		Emissions (tons)	Total output emission rate (lb/MWh)	Ozone season emissions (tons)	Ozone season total output emission rate (lb/MWh)	Emissions (tons)	Total output emission rate (lb/MWh)
AKGD	ASCC Alaska Grid	6,880.62	2.5780	2,600.21	2.6289	2,467.58	0.9245
AKMS	ASCC Miscellaneous	4,837.91	7.0928	1,545.73	6.4902	1,411.96	2.0701
AZNM	WECC Southwest	141,856.71	1.5242	61,890.05	1.4210	57,655.90	0.6195
CAMX	WECC California	44,599.97	0.4192	17,668.54	0.3530	19,379.08	0.1822
ERCT	ERCOT All	121,422.31	0.7205	58,334.43	0.7131	377,870.92	2.2423
FRCC	FRCC All	102,184.51	0.9820	46,089.16	0.9295	197,048.48	1.8936
HIMS	HICC Miscellaneous	8,811.84	5.8374	4,051.47	6.3126	8,456.55	5.6020
HIOA	HICC Oahu	9,420.62	2.3577	4,238.08	2.4240	18,663.16	4.6708
MROE	MRO East	21,940.82	1.4831	8,833.20	1.4502	75,845.23	5.1268
MROW	MRO West	220,888.34	2.3173	83,630.78	2.1287	398,001.75	4.1754
NEWE	NPCC New England	31,907.91	0.5242	9,875.99	0.3851	86,283.52	1.4175
NWPP	WECC Northwest	140,328.84	1.0421	54,058.26	0.9679	140,925.81	1.0465
NYCW	NPCC NYC/Westchester	5,653.66	0.2792	2,656.07	0.2905	2,086.69	0.1030
NYLI	NPCC Long Island	5,333.52	1.1310	2,221.67	0.9693	4,729.93	1.0030
NYUP	NPCC Upstate NY	17,413.24	0.3954	7,198.25	0.4009	43,376.70	0.9849
RFCE	RFC East	106,160.13	0.8130	42,132.12	0.7444	601,278.39	4.6048
RFCM	RFC Michigan	78,621.06	1.7817	32,012.27	1.6643	270,992.53	6.1414
RFCW	RFC West	368,554.21	1.3125	139,960.25	1.2124	1,657,922.76	5.9040
RMPA	WECC Rockies	80,393.03	2.5904	34,369.13	2.6826	59,784.62	1.9264
SPNO	SPP North	66,686.25	2.0516	28,606.12	1.9784	99,031.77	3.0467
SPSO	SPP South	133,206.64	1.8969	61,533.35	1.8725	219,561.90	3.1267
SRMV	SERC Mississippi Valley	86,803.76	1.0499	41,980.87	1.0890	130,037.33	1.5728
SRMW	SERC Midwest	56,452.55	1.0075	22,210.17	0.9510	306,674.76	5.4733
SRSO	SERC South	134,141.88	1.0616	61,096.55	1.0540	613,263.86	4.8534
SRTV	SERC Tennessee Valley	121,513.08	1.0204	48,391.26	0.9608	383,473.11	3.2201
SRVC	SERC Virginia/Carolina	99,749.45	0.6805	41,991.07	0.6545	310,658.05	2.1194
<b>U.S.</b>		<b>2,215,762.86</b>	<b>1.1216</b>	<b>919,175.05</b>	<b>1.0557</b>	<b>6,086,882.31</b>	<b>3.0811</b>



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## Year 2009 eGRID Subregion Output Emission Rates - Greenhouse Gases

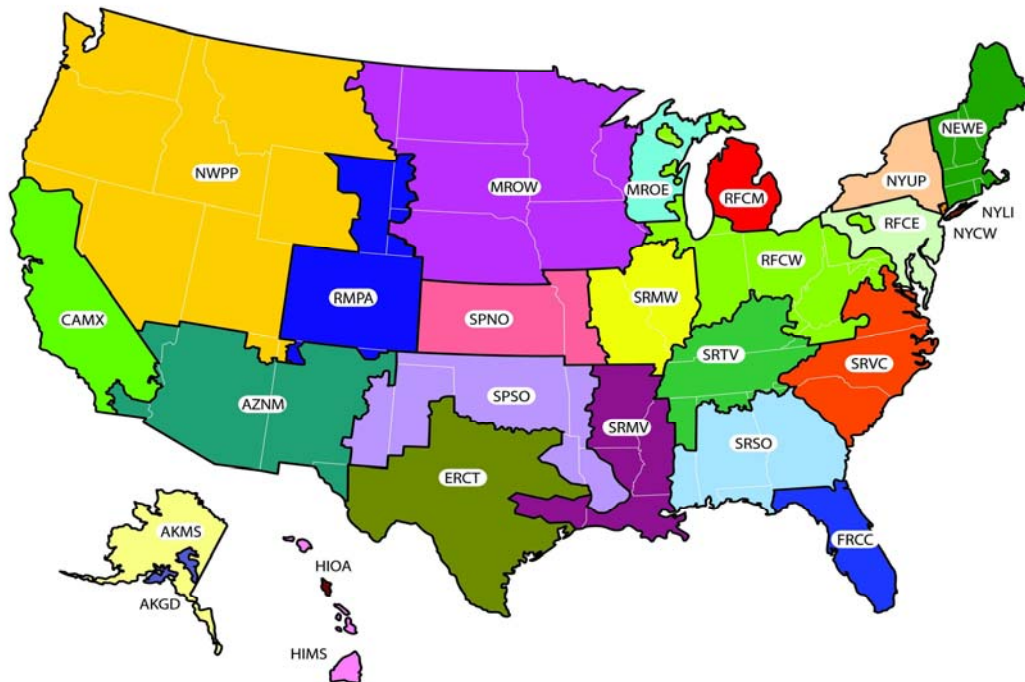
eGRID subregion acronym	eGRID subregion name	Total output emission rates			Fossil fuel output emission rate	Non-baseload output emission rates		
		CO <sub>2</sub> (lb/MWh)	CH <sub>4</sub> (lb/GWh)	N <sub>2</sub> O (lb/GWh)	CO <sub>2</sub> (lb/MWh)	CO <sub>2</sub> (lb/MWh)	CH <sub>4</sub> (lb/GWh)	N <sub>2</sub> O (lb/GWh)
AKGD	ASCC Alaska Grid	1,280.86	27.74	7.69	1,399.52	1,320.75	33.16	6.34
AKMS	ASCC Miscellaneous	521.26	21.78	4.28	1,463.10	1,469.44	61.53	12.10
AZNM	WECC Southwest	1,191.35	19.13	15.58	1,601.05	1,187.67	22.25	9.12
CAMX	WECC California	658.68	28.94	6.17	1,042.50	993.89	33.52	4.07
ERCT	ERCOT All	1,181.73	16.70	13.10	1,440.55	1,155.44	19.66	7.59
FRCC	FRCC All	1,176.61	39.24	13.53	1,366.08	1,301.40	36.04	11.91
HIMS	HICC Miscellaneous	1,351.66	72.40	13.80	1,724.53	1,615.98	91.06	17.19
HIOA	HICC Oahu	1,593.35	101.74	21.98	1,566.50	1,621.42	107.94	18.73
MROE	MRO East	1,591.65	23.98	27.04	2,077.79	1,868.23	29.40	30.40
MROW	MRO West	1,628.60	28.80	27.79	2,256.66	2,114.93	61.83	37.41
NEWE	NPCC New England	728.41	75.68	13.86	1,136.96	1,157.44	61.72	14.43
NWPP	WECC Northwest	819.21	15.29	12.50	1,793.31	1,404.55	38.56	18.79
NYCW	NPCC NYC/Westchester	610.67	23.75	2.81	1,000.81	1,118.06	22.47	2.31
NYLI	NPCC Long Island	1,347.99	96.86	12.37	1,260.34	1,336.59	30.78	3.51
NYUP	NPCC Upstate NY	497.92	15.94	6.77	1,403.80	1,347.12	41.08	16.87
RFCE	RFC East	947.42	26.84	14.96	1,687.74	1,628.97	32.94	22.46
RFCM	RFC Michigan	1,659.46	31.41	27.89	2,002.36	1,834.66	35.17	29.15
RFCW	RFC West	1,520.59	18.12	25.13	2,048.18	2,001.76	24.56	32.10
RMPA	WECC Rockies	1,824.51	22.25	27.19	2,018.00	1,756.62	23.54	22.51
SPNO	SPP North	1,815.76	21.01	28.89	2,215.16	2,147.53	26.32	31.82
SPSO	SPP South	1,599.02	23.25	21.79	1,784.02	1,513.73	25.22	15.11
SRMV	SERC Mississippi Valley	1,002.41	19.45	10.65	1,432.49	1,201.66	25.72	7.11
SRMW	SERC Midwest	1,749.75	19.57	28.98	2,161.67	2,192.85	25.04	35.89
SRSO	SERC South	1,325.68	22.27	20.78	1,775.84	1,622.00	27.22	23.50
SRTV	SERC Tennessee Valley	1,357.71	17.28	22.09	1,987.68	1,921.12	25.16	30.61
SRVC	SERC Virginia/Carolina	1,035.87	21.51	17.45	1,877.08	1,677.35	38.55	25.56
<b>U.S.</b>		<b>1,216.18</b>	<b>24.03</b>	<b>18.08</b>	<b>1,743.11</b>	<b>1,555.48</b>	<b>30.83</b>	<b>19.76</b>



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## Year 2009 eGRID Subregion Output Emission Rates - Criteria Pollutants

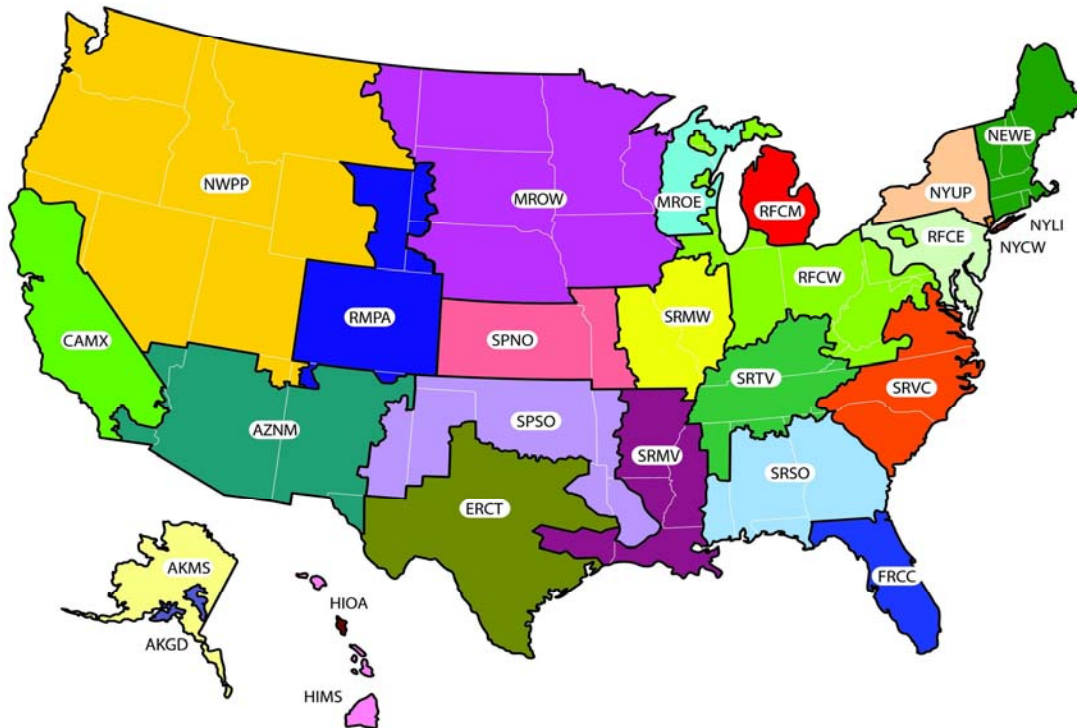
eGRID subregion acronym	eGRID subregion name	Total output emission rates			Fossil fuel output emission rates			Non-baseload output emission rates		
		NO <sub>x</sub>	Ozone season NO <sub>x</sub>	SO <sub>2</sub>	NO <sub>x</sub>	Ozone season NO <sub>x</sub>	SO <sub>2</sub>	NO <sub>x</sub>	Ozone season NO <sub>x</sub>	SO <sub>2</sub>
		(lb/MWh)	(lb/MWh)	(lb/MWh)	(lb/MWh)	(lb/MWh)	(lb/MWh)	(lb/MWh)	(lb/MWh)	(lb/MWh)
AKGD	ASCC Alaska Grid	2.5780	2.6289	0.9245	2.8168	2.8859	1.0102	2.4931	2.4833	1.0174
AKMS	ASCC Miscellaneous	7.0928	6.4902	2.0701	19.9084	19.6707	5.8103	19.9536	19.7361	5.7536
AZNM	WECC Southwest	1.5242	1.4210	0.6195	2.0424	1.8634	0.8243	0.8308	0.7754	0.3913
CAMX	WECC California	0.4192	0.3530	0.1822	0.6186	0.5538	0.2703	0.3211	0.2138	0.0315
ERCT	ERCOT All	0.7205	0.7131	2.2423	0.8783	0.8402	2.7335	0.6069	0.6647	0.7011
FRCC	FRCC All	0.9820	0.9295	1.8936	1.0747	0.9992	1.9495	1.0765	1.0703	1.7372
HIMS	HICC Miscellaneous	5.8374	6.3126	5.6020	7.4037	7.9379	7.1485	8.5263	9.0216	5.0550
HIOA	HICC Oahu	2.3577	2.4240	4.6708	2.1547	2.2010	4.6777	2.7853	2.8779	4.0602
MROE	MRO East	1.4831	1.4502	5.1268	1.8438	1.8212	6.5778	2.0351	2.0709	5.7008
MROW	MRO West	2.3173	2.1287	4.1754	3.1566	2.9620	5.7842	3.2356	2.8892	5.7685
NEWE	NPCC New England	0.5242	0.3851	1.4175	0.4724	0.3652	2.1776	0.6539	0.4892	2.1336
NWPP	WECC Northwest	1.0421	0.9679	1.0465	2.2506	2.1974	2.2627	1.5014	1.5262	1.1596
NYCW	NPCC NYC/Westchester	0.2792	0.2905	0.1030	0.3947	0.3981	0.0832	0.6110	0.6275	0.1427
NYLI	NPCC Long Island	1.1310	0.9693	1.0030	1.0073	0.8631	0.9377	1.1701	1.0261	1.1133
NYUP	NPCC Upstate NY	0.3954	0.4009	0.9849	1.0478	1.0882	2.7612	1.0146	1.0079	2.8584
RFCE	RFC East	0.8130	0.7444	4.6048	1.3964	1.2574	8.3936	1.4034	1.3682	8.3013
RFCM	RFC Michigan	1.7817	1.6643	6.1414	2.1062	2.0205	7.4002	1.9392	1.8064	6.6348
RFCW	RFC West	1.3125	1.2124	5.9040	1.7621	1.6417	7.9461	2.0350	1.9049	9.3974
RMPA	WECC Rockies	2.5904	2.6826	1.9264	2.8651	2.9579	2.1306	2.5876	2.7716	1.8331
SPNO	SPP North	2.0516	1.9784	3.0467	2.5029	2.4021	3.7169	2.4208	2.3573	3.7787
SPSO	SPP South	1.8969	1.8725	3.1267	2.1026	2.0393	3.4623	1.8995	1.8433	2.0357
SRMV	SERC Mississippi Valley	1.0499	1.0890	1.5728	1.4621	1.4685	2.0981	1.2885	1.3880	0.9409
SRMW	SERC Midwest	1.0075	0.9510	5.4733	1.2447	1.1849	6.7618	1.4657	1.3518	7.1515
SRSO	SERC South	1.0616	1.0540	4.8534	1.3593	1.3101	6.3857	1.6058	1.5045	7.1426
SRTV	SERC Tennessee Valley	1.0204	0.9608	3.2201	1.4811	1.3587	4.6941	1.5943	1.5495	5.7162
SRVC	SERC Virginia/Carolina	0.6805	0.6545	2.1194	1.1616	1.1005	3.7710	1.3047	1.1950	5.0473
<b>U.S.</b>		<b>1.1216</b>	<b>1.0557</b>	<b>3.0811</b>	<b>1.5708</b>	<b>1.4664</b>	<b>4.3841</b>	<b>1.4394</b>	<b>1.3908</b>	<b>4.1847</b>



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### Year 2009 eGRID Subregion Resource Mix

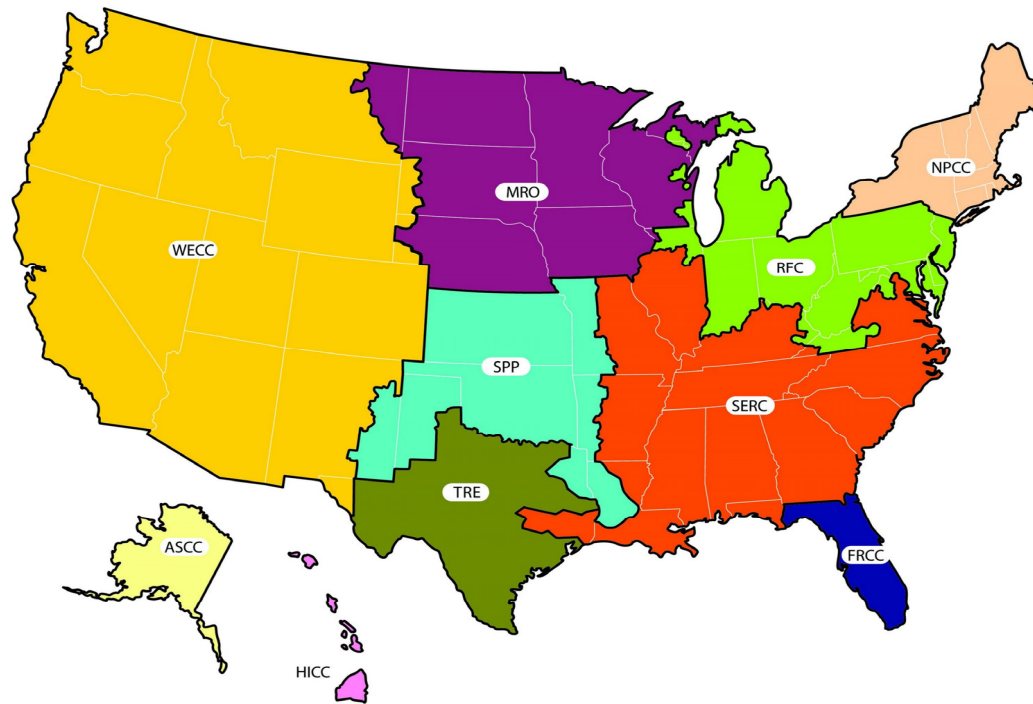
eGRID subregion acronym	eGRID subregion name	Nameplate capacity (MW)	Net Generation (MWh)	Generation resource mix (percent)										
				Coal	Oil	Gas	Other fossil	Biomass	Hydro	Nuclear	Wind	Solar	Geo-thermal	Other unknown/purchased fuel
AKGD	ASCC Alaska Grid	1,514.9	5,337,982.5	11.8133	13.6743	66.0333	0.0000	0.0000	8.4791	0.0000	0.0000	0.0000	0.0000	0.0000
AKMS	ASCC Miscellaneous	701.1	1,364,176.9	0.0000	31.2972	3.8526	0.0000	0.4773	63.8578	0.0000	0.5151	0.0000	0.0000	0.0000
AZNM	WECC Southwest	48,647.5	186,138,763.9	38.5979	0.0598	35.6808	0.0013	0.3166	6.0901	16.4726	0.5008	0.1012	2.1789	0.0000
CAMX	WECC California	73,662.1	212,768,947.3	7.3284	1.3637	53.0498	0.2087	2.7167	12.7172	14.9288	2.7635	0.3003	4.3676	0.2553
ERCT	ERCOT All	101,910.6	337,031,899.7	32.9816	1.0518	47.8308	0.1257	0.1215	0.1539	12.3127	5.3314	0.0000	0.0000	0.0906
FRCC	FRCC All	65,716.1	208,123,783.6	23.6531	4.4222	54.8319	0.6348	1.7398	0.0099	13.9907	0.0000	0.0046	0.0000	0.7130
HIMS	HICC Miscellaneous	881.5	3,019,123.5	1.9907	69.8707	0.0000	7.1345	3.3481	3.7312	0.0000	8.3278	0.0460	5.5510	0.0000
HIOA	HICC Oahu	1,925.6	7,991,409.4	18.0201	77.6079	0.0000	2.2104	2.1615	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
MROE	MRO East	8,881.2	29,587,725.5	68.9039	2.3652	4.9759	0.1206	3.2381	2.7096	15.2608	2.3228	0.0000	0.0000	0.1030
MROW	MRO West	53,894.9	190,640,178.1	69.0860	0.1515	2.3997	0.1600	1.1844	4.3578	13.9045	8.6647	0.0000	0.0000	0.0914
NEWE	NPCC New England	36,906.5	121,742,618.3	11.8606	1.5048	41.9731	1.6223	5.9158	7.0413	29.7601	0.3110	0.0000	0.0000	0.0109
NWPP	WECC Northwest	68,188.2	269,325,957.1	29.8340	0.3352	15.1503	0.1462	1.0927	46.5021	2.4632	3.8023	0.0000	0.5541	0.1199
NYCW	NPCC NYC/Westchester	13,914.0	40,501,288.1	0.0000	1.7869	55.8586	0.4808	0.5357	0.0185	40.8410	0.4784	0.0000	0.0000	0.0000
NYLI	NPCC Long Island	6,002.5	9,431,561.8	0.0000	12.9940	77.3406	4.5546	5.1108	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NYUP	NPCC Upstate NY	24,408.3	88,081,534.5	14.4853	0.9024	18.9282	0.3570	1.5950	30.7898	30.5892	2.3530	0.0000	0.0000	0.0000
RFCE	RFC East	73,537.6	261,151,661.8	35.3677	0.7271	17.1304	0.8437	1.3211	1.2358	42.9614	0.4050	0.0055	0.0000	0.0023
RFCM	RFC Michigan	29,501.5	88,251,703.2	71.9861	0.4093	9.5071	0.5982	1.8820	0.0000	15.2782	0.3391	0.0000	0.0000	0.0000
RFCW	RFC West	146,174.7	561,623,124.7	69.8826	0.4022	3.5051	0.3533	0.5057	0.7949	23.5563	0.9355	0.0000	0.0000	0.0644
RMPA	WECC Rockies	17,516.6	62,070,098.9	67.7689	0.0435	22.5989	0.0000	0.0911	4.3045	0.0000	5.0659	0.0412	0.0000	0.0860
SPNO	SPP North	21,159.4	65,008,815.6	73.8392	0.2559	7.8088	0.0368	0.0289	0.1377	13.4882	4.4044	0.0000	0.0000	0.0000
SPSO	SPP South	43,413.8	140,443,029.2	55.2342	0.1667	33.8651	0.2189	1.2052	5.5274	0.0000	3.7798	0.0000	0.0000	0.0027
SRMV	SERC Mississippi Valley	50,443.7	165,358,644.7	22.7319	1.4534	45.0929	0.8605	1.9253	1.7270	25.9742	0.0000	0.0000	0.0000	0.2347
SRMW	SERC Midwest	27,319.6	112,061,747.1	79.7879	0.0884	1.0399	0.0122	0.1270	1.7552	17.0754	0.1140	0.0000	0.0000	0.0000
SRSO	SERC South	70,962.7	252,713,667.3	52.1843	0.3499	22.3083	0.0748	2.9228	4.0925	18.0664	0.0000	0.0000	0.0000	0.0010
SRTV	SERC Tennessee Valley	67,069.4	238,173,939.7	58.8034	0.9387	8.6065	0.0087	0.7817	8.5808	22.1286	0.1516	0.0000	0.0000	0.0000
SRVC	SERC Virginia/Carolina	80,187.5	293,154,419.6	45.1039	0.6421	8.9501	0.1921	2.0466	1.6491	41.3467	0.0000	0.0016	0.0000	0.0678
<b>U.S.</b>		<b>1,134,441.5</b>	<b>3,951,097,802.2</b>	<b>44.4675</b>	<b>1.1174</b>	<b>23.3119</b>	<b>0.3414</b>	<b>1.3779</b>	<b>6.8033</b>	<b>20.2185</b>	<b>1.8614</b>	<b>0.0223</b>	<b>0.3799</b>	<b>0.0984</b>



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## Year 2009 NERC Region Emissions

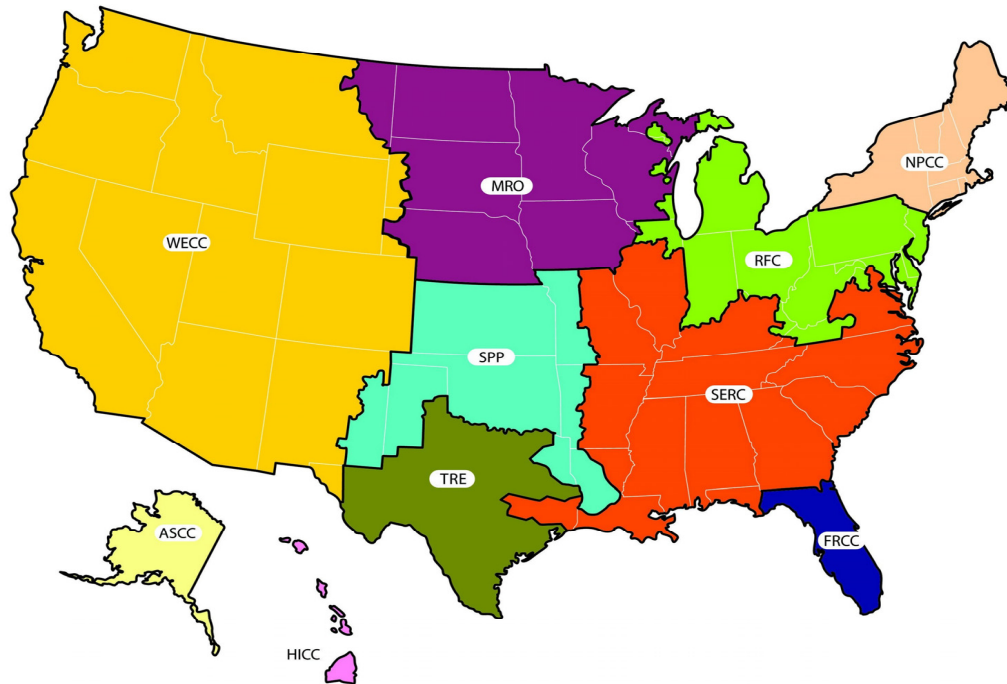
NERC region acronym	NERC region name	Nitrogen oxides (NO <sub>x</sub> )		Sulfur dioxide (SO <sub>2</sub> )		Carbon dioxide (CO <sub>2</sub> )		Methane (CH <sub>4</sub> )		Nitrous oxide (N <sub>2</sub> O)			
		Emissions (tons)	Total output emission rate (lb/MWh)	Ozone season emissions (tons)	Ozone season 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	11,718.53	3.4969	4,145.94	3.3782	3,879.54	1.1577	3,774,145.9	1,126.25	177,773.9	26.52	46,877.7	6.99
FRCC	Florida Reliability Coordinating Council	102,184.51	0.9820	46,089.16	0.9295	197,048.48	1.8936	122,439,895.3	1,176.61	8,166,370.6	39.24	2,816,516.4	13.53
HICC	Hawaiian Islands Coordinating Council	18,232.47	3.3118	8,289.55	3.4682	27,119.72	4.9261	8,406,967.2	1,527.08	1,031,665.1	93.70	217,331.7	19.74
MRO	Midwest Reliability Organization	242,829.15	2.2053	92,463.98	2.0376	473,846.98	4.3032	178,785,281.4	1,623.64	6,199,654.8	28.15	6,098,010.9	27.69
NPCC	Northeast Power Coordinating Council	60,308.33	0.4643	21,951.97	0.3989	136,476.83	1.0508	84,991,156.3	654.39	12,493,439.1	48.10	2,513,025.5	9.67
RFC	Reliability First Corporation	553,335.40	1.2148	214,104.64	1.1194	2,530,193.68	5.5546	623,935,697.6	1,369.74	19,956,753.8	21.91	20,484,173.7	22.48
SERC	SERC Reliability Corporation	498,660.72	0.9396	215,669.92	0.9201	1,744,107.11	3.2862	661,948,555.6	1,247.24	21,458,510.5	20.22	20,634,894.3	19.44
SPP	Southwest Power Pool	199,892.89	1.9459	90,139.47	1.9048	318,593.67	3.1014	171,305,495.6	1,667.60	4,630,761.8	22.54	4,938,073.7	24.04
TRE	Texas Regional Entity	121,422.31	0.7205	58,334.43	0.7131	377,870.92	2.2423	199,139,906.1	1,181.73	5,629,452.6	16.70	4,416,287.2	13.10
WECC	Western Electricity Coordinating Council	407,178.55	1.1151	167,985.98	1.0352	277,745.40	0.7606	347,892,868.1	952.73	15,218,604.5	20.84	9,266,540.3	12.69
<b>U.S.</b>		<b>2,215,762.86</b>	<b>1.1216</b>	<b>919,175.05</b>	<b>1.0557</b>	<b>6,086,882.31</b>	<b>3.0811</b>	<b>2,402,619,969.1</b>	<b>1,216.18</b>	<b>94,962,986.6</b>	<b>24.03</b>	<b>71,431,731.4</b>	<b>18.08</b>



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## Year 2009 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 <sub>x</sub> (lb/MWh)	Ozone season NO <sub>x</sub> (lb/MWh)	SO <sub>2</sub> (lb/MWh)	CO <sub>2</sub> (lb/MWh)	CH <sub>4</sub> (lb/GWh)	N <sub>2</sub> O (lb/GWh)	NO <sub>x</sub> (lb/MWh)	Ozone season NO <sub>x</sub> (lb/MWh)	SO <sub>2</sub> (lb/MWh)	CO <sub>2</sub> (lb/MWh)	NO <sub>x</sub> (lb/MWh)	Ozone season NO <sub>x</sub> (lb/MWh)	SO <sub>2</sub> (lb/MWh)	CO <sub>2</sub> (lb/MWh)	CH <sub>4</sub> (lb/GWh)	N <sub>2</sub> O (lb/GWh)
ASCC	Alaska Systems Coordinating Council	3.4969	3.3782	1.1577	1,126.25	26.52	6.99	4.3633	4.2323	1.4445	1,405.28	5.7269	4.9638	1.8946	1,348.29	38.41	7.41
FRCC	Florida Reliability Coordinating Council	0.9820	0.9295	1.8936	1,176.61	39.24	13.53	1.0747	0.9992	1.9495	1,366.08	1.0765	1.0703	1.7372	1,301.40	36.04	11.91
HICC	Hawaiian Islands Coordinating Council	3.3118	3.4682	4.9261	1,527.08	93.70	19.74	3.3738	3.5102	5.2515	1,603.21	4.5642	4.7994	4.3685	1,619.73	102.71	18.25
MRO	Midwest Reliability Organization	2.2053	2.0376	4.3032	1,623.64	28.15	27.69	2.9709	2.8002	5.8964	2,231.35	2.9805	2.7362	5.7541	2,062.52	54.94	35.92
NPCC	Northeast Power Coordinating Council	0.4643	0.3989	1.0508	654.39	48.10	9.67	0.6275	0.5671	1.8584	1,182.83	0.7757	0.6805	1.8672	1,210.39	47.44	11.94
RFC	Reliability First Corporation	1.2148	1.1194	5.5546	1,369.74	21.91	22.48	1.7205	1.5959	7.9825	1,962.69	1.8496	1.7496	8.7648	1,879.08	28.13	29.09
SERC	SERC Reliability Corporation	0.9396	0.9201	3.2862	1,247.24	20.22	19.44	1.3450	1.2875	4.7761	1,840.19	1.4677	1.4099	5.1561	1,670.57	28.74	23.53
SPP	Southwest Power Pool	1.9459	1.9048	3.1014	1,667.60	22.54	24.04	2.2218	2.1425	3.5381	1,912.37	2.0468	1.9920	2.5283	1,692.84	25.53	19.83
TRE	Texas Regional Entity	0.7205	0.7131	2.2423	1,181.73	16.70	13.10	0.8783	0.8402	2.7335	1,440.55	0.6069	0.6647	0.7011	1,155.44	19.66	7.59
WECC	Western Electricity Coordinating Council	1.1151	1.0352	0.7606	952.73	20.84	12.69	1.7832	1.6861	1.2168	1,541.28	1.0473	1.0266	0.6364	1,248.54	29.67	11.42
<b>U.S.</b>		<b>1.1216</b>	<b>1.0557</b>	<b>3.0811</b>	<b>1,216.18</b>	<b>24.03</b>	<b>18.08</b>	<b>1.5708</b>	<b>1.4664</b>	<b>4.3841</b>	<b>1,743.11</b>	<b>1.4394</b>	<b>1.3908</b>	<b>4.1847</b>	<b>1,555.48</b>	<b>30.83</b>	<b>19.76</b>

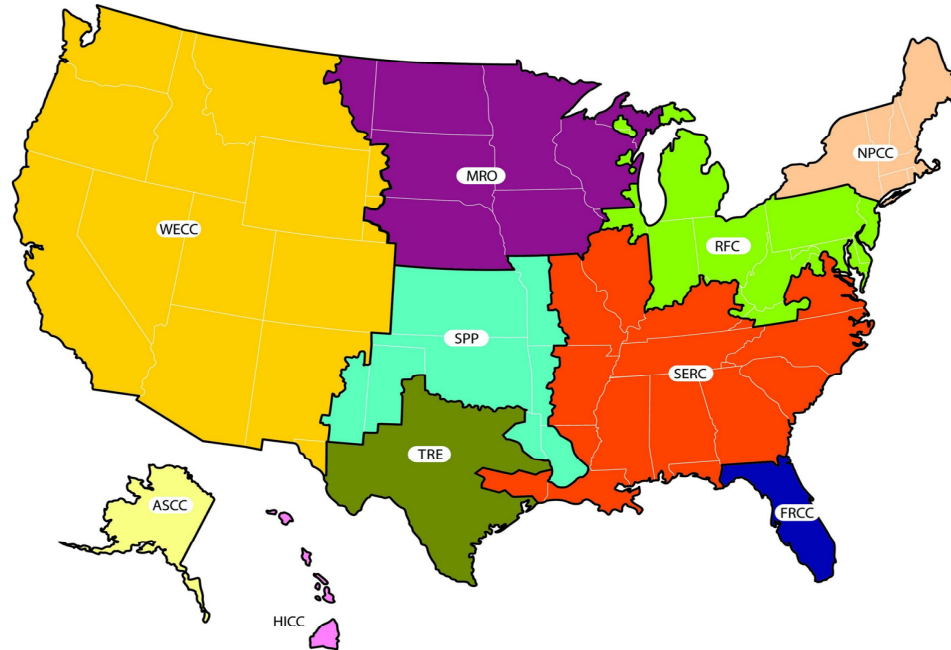


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### Year 2009 NERC Region Resource Mix

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	2,216.0	6,702,159.4	9.4088	17.2613	53.3769	0.0000	0.0972	19.7510	0.0000	0.1048	0.0000	0.0000	0.0000
FRCC	Florida Reliability Coordinating Council	65,716.1	208,123,783.6	23.6531	4.4222	54.8319	0.6348	1.7398	0.0099	13.9907	0.0000	0.0046	0.0000	0.7130
HICC	Hawaiian Islands Coordinating Council	2,807.1	11,010,532.9	13.6248	75.4864	0.0000	3.5606	2.4868	1.0231	0.0000	2.2835	0.0126	1.5221	0.0000
MRO	Midwest Reliability Organization	62,776.1	220,227,903.6	69.0615	0.4490	2.7458	0.1547	1.4603	4.1363	14.0867	7.8127	0.0000	0.0000	0.0930
NPCC	Northeast Power Coordinating Council	81,231.3	259,757,002.7	10.4707	1.7617	37.6080	1.1217	3.5826	13.7435	30.6884	1.0183	0.0000	0.0000	0.0051
RFC	Reliability First Corporation	249,213.8	911,026,489.8	60.2138	0.4962	7.9951	0.5178	0.8733	0.8146	28.3215	0.7258	0.0016	0.0000	0.0404
SERC	SERC Reliability Corporation	295,982.9	1,061,462,418.4	50.0400	0.7070	16.8487	0.2082	1.7499	3.8095	26.5347	0.0461	0.0004	0.0000	0.0555
SPP	Southwest Power Pool	64,573.2	205,451,844.8	61.1212	0.1949	25.6204	0.1613	0.8330	3.8220	4.2679	3.9774	0.0000	0.0000	0.0018
TRE	Texas Regional Entity	101,910.6	337,031,899.7	32.9816	1.0518	47.8308	0.1257	0.1215	0.1539	12.3127	5.3314	0.0000	0.0000	0.0906
WECC	Western Electricity Coordinating Council	208,014.4	730,303,767.2	28.7351	0.5398	32.0579	0.1150	1.2829	22.7725	9.4563	2.7656	0.1168	2.0322	0.1259
<b>U.S.</b>		<b>1,134,441.5</b>	<b>3,951,097,802.2</b>	<b>44.4675</b>	<b>1.1174</b>	<b>23.3119</b>	<b>0.3414</b>	<b>1.3779</b>	<b>6.8033</b>	<b>20.2185</b>	<b>1.8614</b>	<b>0.0223</b>	<b>0.3799</b>	<b>0.0984</b>



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## Year 2009 eGRID2012 Grid Gross Loss (%)

Region	Grid Gross Loss (%)
Eastern	5.82
Western	8.21
ERCOT	7.99
Alaska	5.84
Hawaii	7.81
<b>U.S.</b>	<b>6.50</b>

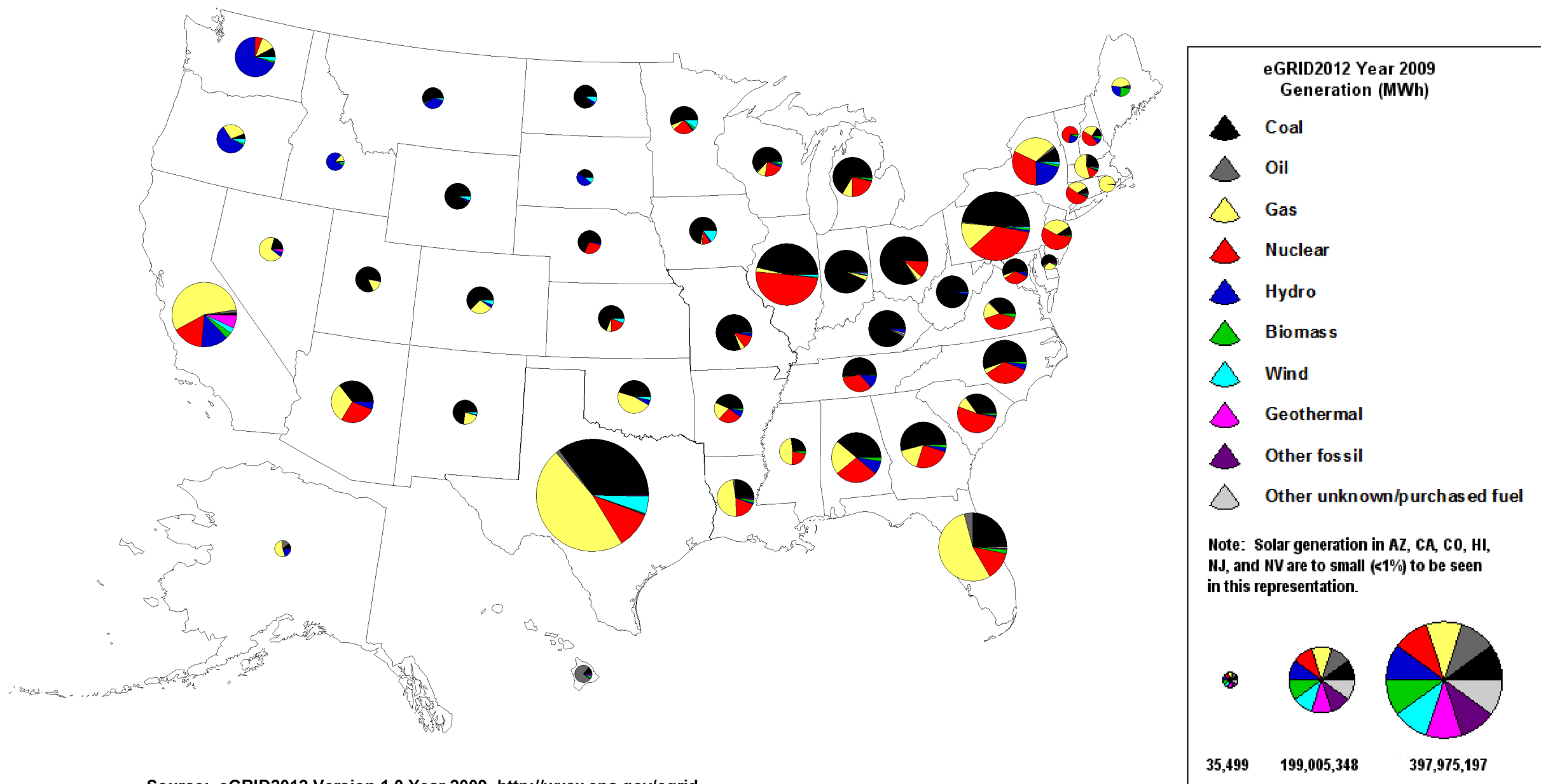
## Year 2009 State Emissions and Input Emission Rates

State	Nitrogen oxides (NO <sub>x</sub> )				Sulfur dioxide (SO <sub>2</sub> )		Carbon dioxide (CO <sub>2</sub> )		Methane (CH <sub>4</sub> )	Nitrous oxide (N <sub>2</sub> O)	Carbon dioxide equivalent (CO <sub>2</sub> 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	11,718.53	0.4263	4,145.94	0.4429	3,879.54	0.1411	3,774,145.9	137.30	177,773.9	46,877.7	3,783,278.6
AL	53,140.26	0.1250	22,022.40	0.1710	283,315.68	0.6666	74,601,803.6	175.53	2,706,022.5	2,270,746.8	74,982,182.6
AR	35,714.86	0.2004	16,911.19	0.2054	72,406.12	0.4063	31,963,586.1	179.36	1,128,618.3	999,639.3	32,130,380.7
AZ	66,552.64	0.1901	29,204.27	0.2089	36,401.55	0.1040	60,723,571.3	173.42	1,732,339.9	1,596,793.2	60,989,263.8
CA	20,492.48	0.0412	7,882.31	0.0732	14,421.68	0.0290	56,970,357.6	114.65	6,355,108.6	917,694.4	57,179,328.9
CO	63,937.49	0.2710	28,678.18	0.2575	48,082.10	0.2038	43,860,031.0	185.89	1,097,248.1	1,265,250.2	44,067,665.8
CT	5,690.46	0.0924	2,044.61	0.1705	5,866.82	0.0952	8,999,870.2	146.06	1,933,298.9	328,320.5	9,071,059.5
DC	81.46	0.3002	52.54	0.2480	329.52	1.2146	44,102.0	162.56	3,786.3	757.5	44,259.2
DE	4,955.89	0.1904	1,705.60	0.2371	17,381.14	0.6677	4,346,095.6	166.96	127,086.2	112,853.9	4,364,922.3
FL	111,558.36	0.1316	49,669.71	0.2480	239,269.49	0.2822	130,022,132.3	153.37	8,552,722.6	3,050,687.7	130,584,792.4
GA	61,342.36	0.1385	28,518.26	0.1472	276,827.50	0.6250	82,749,718.1	186.82	2,464,181.1	2,643,641.0	83,185,356.4
HI	18,232.47	0.3630	8,289.55	0.5217	27,119.72	0.5400	8,406,967.2	167.39	1,031,665.1	217,331.7	8,451,486.1
IA	42,073.50	0.2065	17,210.84	0.2419	97,161.18	0.4768	42,136,386.8	206.79	959,195.0	1,386,770.2	42,361,407.7
ID	730.37	0.0896	288.90	0.0882	1,109.12	0.1361	783,953.6	96.23	140,322.8	26,996.1	789,611.4
IL	73,497.87	0.1457	27,401.69	0.1442	239,970.95	0.4756	103,507,698.5	205.16	2,366,318.0	3,368,662.5	104,054,687.6
IN	114,151.71	0.1956	45,894.26	0.1993	418,723.82	0.7173	118,680,323.3	203.32	2,773,127.7	3,933,988.6	119,319,209.4
KS	49,243.20	0.2545	21,248.44	0.3009	51,569.92	0.2665	39,065,904.3	201.89	900,550.1	1,247,397.5	39,268,706.7
KY	79,029.18	0.1741	32,373.16	0.1837	252,359.37	0.5559	92,703,424.4	204.20	2,142,315.9	3,137,492.8	93,212,230.1
LA	54,985.36	0.1635	25,980.06	0.1805	86,194.68	0.2563	51,332,669.8	152.61	2,053,734.8	1,113,633.7	51,526,847.2
MA	15,675.96	0.1092	4,052.77	0.1105	40,207.48	0.2802	21,739,282.0	151.48	2,878,162.0	656,345.6	21,871,236.3
MD	19,679.37	0.1440	8,084.99	0.2361	203,945.49	1.4923	26,964,632.6	197.31	1,340,622.5	948,656.3	27,125,750.9
ME	4,679.56	0.0975	1,482.78	0.1604	5,154.75	0.1074	4,089,534.5	85.20	2,434,613.5	345,660.3	4,168,675.3
MI	86,599.39	0.2186	35,410.42	0.2167	283,960.82	0.7167	77,156,752.1	194.74	3,088,274.8	2,631,927.2	77,597,127.7
MN	43,818.79	0.2323	15,947.11	0.3824	55,021.58	0.2917	36,304,500.6	192.46	2,514,251.8	1,373,206.1	36,543,747.2
MO	56,905.80	0.1470	22,910.43	0.2089	252,787.18	0.6530	79,853,871.2	206.29	1,804,651.0	2,607,346.5	80,276,958.7
MS	27,666.63	0.1610	15,105.28	0.2627	42,707.73	0.2485	26,850,945.4	156.21	1,016,159.9	633,762.1	26,959,848.2
MT	21,794.50	0.2366	6,840.35	0.3462	34,572.57	0.3753	19,215,376.8	208.61	456,196.7	642,933.4	19,319,821.5
NC	42,877.58	0.1230	18,457.24	0.1528	116,154.68	0.3331	68,184,115.1	195.55	2,088,235.9	2,319,329.1	68,565,537.6
ND	63,118.12	0.3897	25,625.30	0.4364	131,243.91	0.8104	35,183,688.0	217.25	757,967.8	1,129,987.8	35,366,794.8
NE	46,893.00	0.3533	15,905.97	0.3372	76,000.19	0.5725	27,628,729.9	208.14	616,365.4	914,269.0	27,776,913.4
NH	4,838.85	0.1039	1,723.68	0.1232	34,984.43	0.7509	6,056,352.6	130.00	1,445,185.1	291,095.6	6,116,646.9
NJ	9,968.39	0.0855	3,884.78	0.1463	14,707.58	0.1261	16,987,375.7	145.63	1,397,164.9	356,489.5	17,057,301.8
NM	66,858.87	0.3510	28,891.10	0.4125	19,302.01	0.1013	36,128,703.5	189.68	885,890.5	1,081,923.6	36,305,703.5
NV	15,531.54	0.1126	6,438.03	0.1705	8,090.14	0.0586	20,001,091.4	144.96	641,744.7	326,124.2	20,058,379.0
NY	28,115.73	0.1035	11,961.06	0.1437	50,183.95	0.1848	38,793,383.0	142.86	3,207,029.1	819,022.1	38,954,005.2
OH	101,028.63	0.1702	37,959.74	0.1888	619,785.16	1.0443	121,180,576.3	204.18	2,870,831.1	4,018,434.9	121,833,577.4
OK	78,261.19	0.2347	36,186.48	0.2502	99,714.45	0.2991	56,107,267.0	168.27	1,615,381.4	1,369,412.9	56,336,487.5
OR	8,887.48	0.1140	2,529.86	0.1661	11,655.20	0.1495	10,303,758.5	132.15	854,634.6	210,686.1	10,345,388.5
PA	121,388.41	0.1811	46,061.40	0.2002	634,989.77	0.9471	125,167,126.7	186.70	5,348,356.3	4,090,615.3	125,857,329.8
RI	652.81	0.0219	266.71	0.0241	33.38	0.0011	3,446,244.9	115.38	135,544.0	13,683.2	3,449,789.0
SC	25,120.25	0.1124	10,513.10	0.1544	105,727.36	0.4730	41,282,885.7	184.68	1,448,657.3	1,342,794.9	41,506,229.8
SD	12,518.19	0.6988	4,589.45	0.6096	12,089.59	0.6749	3,713,619.3	207.30	83,913.3	122,012.6	3,733,412.3
TN	29,393.87	0.1400	11,381.46	0.1502	109,739.73	0.5225	42,709,729.7	203.37	1,084,288.9	1,461,400.0	42,947,631.7
TX	163,465.82	0.1087	77,470.04	0.1043	455,494.95	0.3030	247,380,012.6	164.55	7,102,751.1	5,582,672.0	248,319,905.6
UT	63,931.94	0.3097	26,598.06	0.3471	24,923.97	0.1207	40,307,267.9	195.23	969,690.5	1,287,174.1	40,516,961.7
VA	32,322.18	0.1610	13,000.43	0.2214	98,204.98	0.4893	34,844,682.3	173.60	2,615,228.1	1,195,110.0	35,057,384.3
VT	370.28	0.1252	305.44	0.2077	36.65	0.0124	7,907.1	2.67	387,188.9	51,644.0	19,977.4
WA	13,156.04	0.1359	4,755.01	0.1893	4,789.44	0.0495	14,962,326.0	154.61	1,083,503.6	446,026.3	15,042,836.9
WI	36,357.70	0.1567	14,209.86	0.2191	112,431.00	0.4845	45,533,964.7	196.20	1,465,957.2	1,496,639.3	45,781,336.4
WV	37,405.94	0.1092	14,041.92	0.1481	178,181.53	0.5199	71,154,277.3	207.63	1,594,339.8	2,387,629.6	71,541,100.5
WY	69,351.61	0.2972	27,062.91	0.4021	77,670.77	0.3328	48,707,247.0	208.73	1,084,789.2	1,612,182.9	48,968,525.6
<b>U.S.</b>	<b>2,215,762.86</b>	<b>0.1657</b>	<b>919,175.05</b>	<b>0.1547</b>	<b>6,086,882.31</b>	<b>0.4552</b>	<b>2,402,619,969.1</b>	<b>179.67</b>	<b>94,962,986.6</b>	<b>71,431,731.4</b>	<b>2,414,688,998.8</b>

## Year 2009 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	2,216.0	6,702,159.4	9.4088	17.2613	53.3769	0.0000	0.0972	19.7510	0.0000	0.1048	0.0000	0.0000	0.0000
AL	34,473.9	143,353,886.4	38.7912	0.1530	22.1239	0.0996	2.3830	8.7444	27.7050	0.0000	0.0000	0.0000	0.0000
AR	16,474.8	57,457,739.0	43.6412	0.1540	19.5299	0.0418	2.7595	7.4717	26.4020	0.0000	0.0000	0.0000	0.0000
AZ	29,543.5	111,971,250.3	35.4616	0.0560	31.0251	0.0000	0.1431	5.8915	27.3837	0.0264	0.0126	0.0000	0.0000
CA	71,707.7	204,767,739.7	1.0011	1.4150	55.4123	0.2168	3.0426	13.6940	15.5121	2.8519	0.3121	6.2768	0.2653
CO	15,413.0	50,508,473.6	62.6351	0.0266	27.6050	0.0000	0.1120	3.5184	0.0000	5.9466	0.0507	0.0000	0.1057
CT	8,712.7	31,206,222.0	7.8622	0.9578	31.4340	2.3812	2.2940	1.6501	53.3784	0.0000	0.0000	0.0000	0.0424
DC	868.0	35,499.0	0.0000	100.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
DE	3,521.5	4,841,562.9	58.8275	5.3364	28.4288	4.6914	2.5944	0.0000	0.0000	0.0000	0.0000	0.0000	0.1214
FL	68,533.7	218,125,105.1	24.7578	4.2305	54.3244	0.6145	1.9435	0.0955	13.3492	0.0000	0.0043	0.0000	0.6803
GA	39,626.9	128,698,376.4	53.9853	0.5048	15.9332	0.0198	2.1951	2.7441	24.6177	0.0000	0.0000	0.0000	0.0000
HI	2,807.1	11,010,532.9	13.6248	75.4864	0.0000	3.5606	2.4868	1.0231	0.0000	2.2835	0.0126	1.5221	0.0000
IA	15,839.7	51,850,633.5	72.0366	0.1644	2.2839	0.0248	0.3002	1.8730	9.0239	14.2932	0.0000	0.0000	0.0000
ID	3,780.3	13,100,151.8	0.6303	0.0003	12.5464	0.0000	3.6484	79.6499	0.0000	2.3925	0.0000	0.5798	0.5524
IL	50,018.9	193,864,357.3	46.4071	0.0973	2.3185	0.0206	0.3663	0.0703	49.2478	1.4544	0.0000	0.0000	0.0176
IN	31,184.1	116,717,636.3	92.8386	0.4286	3.2811	1.2801	0.2582	0.4314	0.0000	1.2022	0.0000	0.0000	0.2797
KS	13,356.5	46,677,307.6	69.0765	0.2587	5.7177	0.0000	0.0000	0.0274	18.7855	6.1342	0.0000	0.0000	0.0000
KY	24,999.6	90,630,426.6	92.7256	2.2247	0.9740	0.0139	0.4011	3.6606	0.0000	0.0000	0.0000	0.0000	0.0000
LA	30,348.8	90,993,676.1	25.3503	2.0416	48.3586	1.4232	2.5979	1.3587	18.4431	0.0000	0.0000	0.0000	0.4266
MA	16,068.7	39,036,133.8	23.1276	2.2981	53.9431	2.0954	2.9875	1.7098	13.8231	0.0153	0.0001	0.0000	0.0000
MD	13,550.3	43,774,832.0	55.1969	0.7536	4.0385	1.2433	1.2144	4.3147	33.2385	0.0000	0.0000	0.0000	0.0000
ME	4,505.7	16,349,848.7	0.4413	2.6510	44.9875	2.1513	22.1827	25.7597	0.0000	1.8265	0.0000	0.0000	0.0000
MI	33,005.7	101,246,996.5	66.0244	0.3944	8.3596	0.5521	2.2824	0.5087	21.5819	0.2965	0.0000	0.0000	0.0000
MN	16,525.6	51,981,138.8	56.4213	0.1301	5.4783	0.4661	3.2532	1.5565	23.8422	8.7293	0.0000	0.0000	0.1231
MO	22,951.9	88,354,271.6	81.0501	0.0991	3.8739	0.0310	0.0854	2.6976	11.5978	0.5652	0.0000	0.0000	0.0000
MS	17,069.7	48,701,484.1	26.6063	0.0725	47.7877	0.0204	2.9245	0.0000	22.5835	0.0000	0.0000	0.0000	0.0050
MT	5,903.6	26,712,735.3	58.4413	1.8414	0.2911	0.0000	0.3543	35.5858	0.0000	3.0732	0.0000	0.0000	0.4129
NC	30,101.0	117,910,082.6	55.1970	0.2519	3.6929	0.0190	1.6014	4.4223	34.6431	0.0000	0.0039	0.0000	0.1685
ND	6,138.7	34,196,466.7	86.5790	0.2589	0.0486	0.0000	0.0338	4.3140	0.0000	8.7656	0.0000	0.0000	0.0000
NE	8,246.9	34,586,229.1	67.5118	0.0661	0.9009	0.0000	0.1914	2.9434	27.2801	1.1063	0.0000	0.0000	0.0000
NH	4,492.1	20,164,122.0	14.3109	0.9080	26.4944	0.3088	5.6095	8.3341	43.7246	0.3098	0.0000	0.0000	0.0000
NJ	20,067.0	61,816,374.7	8.2275	0.6809	33.2821	0.9403	1.4381	0.0000	55.3802	0.0337	0.0173	0.0000	0.0000
NM	8,831.1	39,674,338.7	73.3908	0.1124	21.8304	0.0000	0.0849	0.6830	0.0000	3.8985	0.0000	0.0000	0.0000
NV	12,914.8	37,705,132.8	19.9971	0.0429	68.6316	0.0063	0.0024	6.5259	0.0000	0.0000	0.4623	4.3315	0.0000
NY	43,203.6	133,115,464.5	9.5848	1.9895	31.3862	0.7052	1.5805	20.3843	32.6668	1.7025	0.0000	0.0000	0.0000
OH	36,521.5	136,090,225.2	83.5563	0.9639	3.4178	0.0353	0.4551	0.3878	11.1735	0.0104	0.0000	0.0000	0.0000
OK	22,767.2	75,060,552.3	45.3755	0.0126	46.1540	0.0000	0.3104	4.5773	0.0000	3.5701	0.0000	0.0000	0.0000
OR	14,569.5	56,690,856.4	5.6392	0.0140	28.4586	0.0726	1.4109	58.2696	0.0000	6.1204	0.0000	0.0000	0.0146
PA	49,784.1	219,531,565.6	48.0453	0.4622	13.3082	0.5528	1.0271	0.8893	35.2239	0.4896	0.0016	0.0000	0.0000
RI	2,019.0	7,696,824.5	0.0000	0.2226	97.8372	0.0000	1.8787	0.0615	0.0000	0.0000	0.0000	0.0000	0.0000
SC	25,811.2	100,125,486.4	34.4343	0.5228	9.7679	0.0922	1.7445	1.3539	52.0844	0.0000	0.0000	0.0000	0.0000
SD	3,430.6	8,123,052.0	39.6077	0.1024	0.9890	0.3855	0.0711	47.3728	0.0000	11.4715	0.0000	0.0000	0.0000
TN	23,547.3	79,716,888.7	52.2264	0.2496	0.5135	0.0010	1.1274	11.9951	33.8222	0.0649	0.0000	0.0000	0.0000
TX	118,782.0	397,975,197.1	35.1585	1.0603	47.5234	0.2098	0.2710	0.2585	10.4272	5.0136	0.0000	0.0000	0.0777
UT	7,800.3	43,469,805.8	81.7260	0.1472	14.8242	0.0109	0.1094	1.9215	0.0000	0.1988	0.0000	0.6421	0.4200
VA	25,837.5	70,082,066.1	36.5276	1.5520	17.4101	0.6400	3.4073	0.2054	40.2560	0.0000	0.0000	0.0000	0.0016
VT	1,106.4	7,282,348.3	0.0000	0.0335	0.0608	0.0000	5.7324	20.4031	73.6110	0.1591	0.0000	0.0000	0.0000
WA	30,511.9	104,455,856.5	7.1588	0.2858	11.4605	0.0607	1.4052	69.8580	6.3510	3.4201	0.0000	0.0000	0.0000
WI	19,702.5	60,146,963.0	62.2939	1.1845	9.1179	0.0590	2.1404	2.3176	21.0869	1.7490	0.0000	0.0000	0.0507
WV	17,300.0	70,782,514.3	96.1807	0.2392	0.1546	0.0513	0.0000	2.3253	0.0000	1.0489	0.0000	0.0000	0.0001
WY	7,947.4	46,029,212.5	91.1470	0.1090	1.0602	0.6178	0.0000	2.0999	0.0000	4.8365	0.0000	0.0000	0.1295
<b>U.S.</b>	<b>1,134,441.5</b>	<b>3,951,097,802.2</b>	<b>44.4675</b>	<b>1.1174</b>	<b>23.3119</b>	<b>0.3414</b>	<b>1.3779</b>	<b>6.8033</b>	<b>20.2185</b>	<b>1.8614</b>	<b>0.0223</b>	<b>0.3799</b>	<b>0.0984</b>

# Year 2009 Generation by Fuel Type



Source: eGRID2012 Version 1.0 Year 2009, <http://www.epa.gov/egrid>