

eGRID2007 Version 1.0

Year 2005 Summary Tables

(created September 2008)

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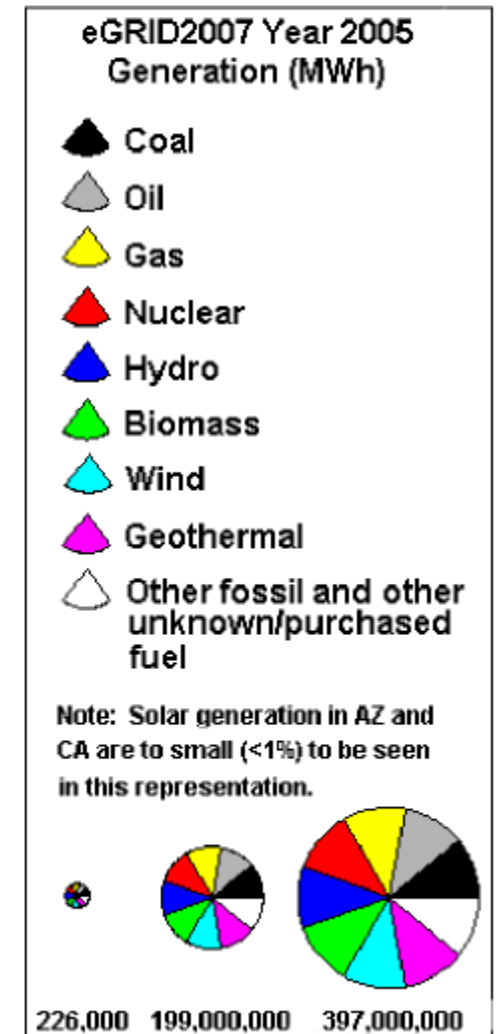
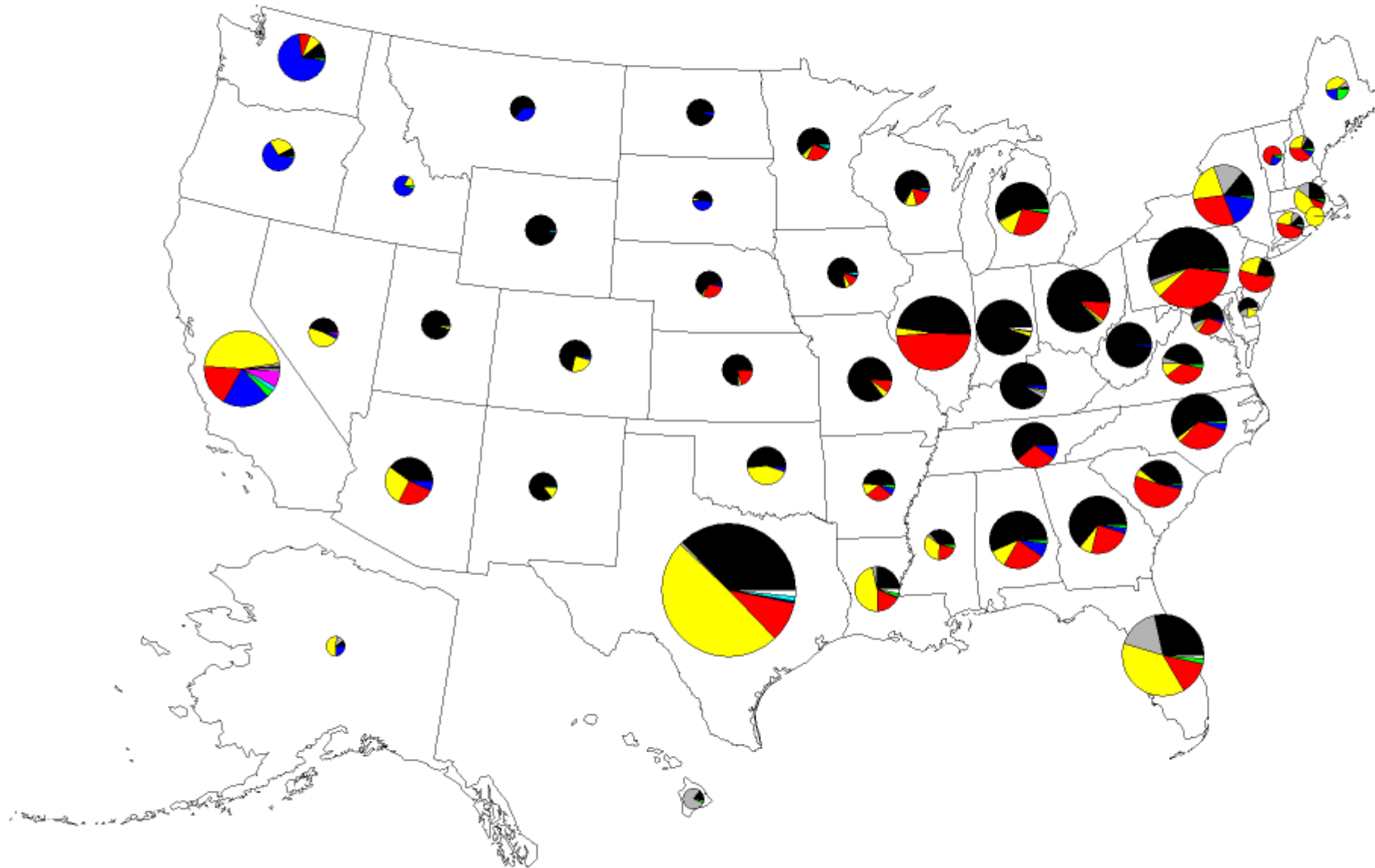
Year 2005 State Emissions and Emission Rates

State	Nitrogen oxides (NO _x)				Sulfur dioxide (SO ₂)		Carbon dioxide (CO ₂)		Methane (CH ₄)		Nitrous oxide (N ₂ O)	
	Emissions (tons)	Output emission rate (lb/MWh)	Ozone season emissions (tons)	Ozone season output emission rate (lb/MWh)	Emissions (tons)	Output emission rate (lb/MWh)	Emissions (tons)	Output emission rate (lb/MWh)	Emissions (lbs)	Output emission rate (lb/GWh)	Emissions (lbs)	Output emission rate (lb/GWh)
AK	10,908.68	3.3174	4,473.51	3.4100	3,551.84	1.0801	3,533,618.8	1,074.59	162,166.8	24.66	39,690.3	6.04
AL	138,269.28	2.0138	47,105.68	1.5258	466,164.70	6.7892	91,639,183.9	1,334.63	3,447,073.9	25.10	3,169,994.4	23.08
AR	38,011.21	1.5906	16,918.57	1.4968	71,132.21	2.9766	29,235,109.6	1,223.37	1,528,239.0	31.98	1,065,991.2	22.30
AZ	81,977.08	1.6159	36,631.70	1.5345	53,238.17	1.0494	58,778,193.0	1,158.58	1,576,157.9	15.53	1,616,641.9	15.93
CA	22,302.45	0.2231	10,460.26	0.2211	13,576.65	0.1358	52,763,241.6	527.83	6,117,976.5	30.60	899,178.9	4.50
CO	72,523.23	2.9224	31,180.47	2.9113	62,897.66	2.5346	46,988,461.2	1,893.47	1,165,299.6	23.48	1,452,396.6	29.26
CT	10,086.99	0.6013	4,293.69	0.5862	9,165.89	0.5464	11,635,256.6	693.61	2,274,325.3	67.79	457,295.8	13.63
DC	412.95	3.6538	364.40	3.4464	914.34	8.0900	274,901.1	2,432.30	23,728.7	104.97	4,745.7	21.00
DE	13,546.31	3.3297	6,143.41	3.1073	32,534.86	7.9972	8,209,955.0	2,018.04	296,927.1	36.49	215,766.6	26.52
FL	232,374.96	2.1140	111,431.69	2.1066	427,367.29	3.8879	141,522,105.9	1,287.47	10,052,442.6	45.73	3,886,101.1	17.68
GA	118,496.71	1.7347	38,039.96	1.1683	646,010.65	9.4572	94,800,664.1	1,387.83	3,007,898.5	22.02	3,269,108.9	23.93
HI	22,355.13	3.8802	10,042.06	4.0215	24,009.52	4.1673	9,504,680.9	1,649.72	1,905,878.4	165.40	345,203.5	29.96
IA	75,754.12	3.4444	32,979.97	3.3393	137,912.79	6.2706	41,930,664.7	1,906.50	984,511.8	22.38	1,390,794.3	31.62
ID	757.77	0.1400	310.67	0.1091	949.00	0.1753	717,705.5	132.60	207,424.6	19.16	37,193.7	3.44
IL	133,020.84	1.3702	36,776.61	0.8605	350,703.25	3.6126	109,298,468.1	1,125.88	2,552,683.7	13.15	3,591,868.2	18.50
IN	214,229.26	3.2885	57,740.17	2.0258	876,661.47	13.4570	136,006,998.2	2,087.75	3,197,209.9	24.54	4,529,353.0	34.76
KS	89,973.17	3.9236	41,595.24	4.0563	136,521.99	5.9535	43,453,084.3	1,894.92	1,066,380.4	23.25	1,435,914.1	31.31
KY	167,571.04	3.4260	37,558.49	1.7481	503,807.18	10.3004	100,628,380.6	2,057.37	2,360,641.2	24.13	3,415,398.9	34.91
LA	75,548.05	1.6303	34,533.52	1.6445	114,467.12	2.4701	54,261,998.0	1,170.95	2,358,929.2	25.45	1,243,498.4	13.42
MA	26,342.18	1.1093	9,904.96	0.9788	83,686.32	3.5240	27,300,757.3	1,149.63	3,249,178.6	68.41	818,561.7	17.23
MD	64,802.53	2.4622	21,144.97	1.8401	287,866.63	10.9375	34,641,922.1	1,316.22	1,820,454.0	34.58	1,196,458.5	22.73
ME	9,024.74	1.0270	3,187.89	0.8969	10,734.92	1.2216	4,625,099.5	526.31	4,024,971.4	229.01	571,043.6	32.49
MI	126,584.90	2.0812	49,344.62	1.8298	390,490.65	6.4202	80,885,191.9	1,329.85	3,606,301.5	29.65	2,877,490.0	23.65
MN	88,480.38	3.3448	36,404.38	3.2585	105,570.95	3.9909	41,219,198.5	1,558.20	2,048,507.3	38.72	1,507,279.7	28.49
MO	128,506.86	2.8288	45,188.35	2.2706	295,031.83	6.4944	83,886,633.9	1,846.56	1,935,821.3	21.31	2,790,190.8	30.71
MS	44,190.09	1.9607	23,209.19	2.0488	77,262.10	3.4281	27,584,115.4	1,223.90	1,194,115.4	26.49	785,181.7	17.42
MT	40,795.63	2.9204	17,023.30	2.6724	21,771.26	1.5585	22,236,797.4	1,591.82	551,190.5	19.73	759,879.5	27.20
NC	115,726.42	1.7841	30,807.83	1.0613	510,453.44	7.8692	79,080,466.9	1,219.12	2,571,438.6	19.82	2,765,521.0	21.32
ND	77,082.25	4.8278	31,582.75	4.7365	138,894.30	8.6992	37,124,155.8	2,325.16	801,563.0	25.10	1,192,829.3	37.35
NE	54,116.87	3.4398	21,949.35	3.2538	74,209.47	4.7169	25,265,169.3	1,605.90	584,468.8	18.58	839,872.9	26.69
NH	11,493.84	0.9416	3,614.40	0.6653	55,228.58	4.5243	9,413,758.1	771.16	1,489,325.3	61.00	366,366.3	15.01
NJ	29,863.52	0.9855	10,678.02	0.7658	58,199.36	1.9205	20,026,273.7	660.84	1,831,535.3	30.22	653,702.4	10.79
NM	76,309.72	4.3437	33,169.92	4.2931	30,669.27	1.7458	34,009,625.1	1,935.90	817,809.9	23.28	1,072,523.1	30.53
NV	45,933.21	2.2450	20,228.28	2.2128	53,553.12	2.6174	29,479,348.3	1,440.79	819,356.5	20.02	730,423.8	17.85
NY	65,647.39	0.8867	29,366.38	0.8842	181,615.48	2.4531	58,281,142.3	787.21	5,472,744.6	36.96	1,540,840.6	10.41
OH	260,352.29	3.3173	53,428.45	1.5639	1,116,299.97	14.2233	139,055,187.7	1,771.77	3,294,991.9	20.99	4,693,870.1	29.90
OK	87,234.01	2.4823	41,141.98	2.3163	108,741.39	3.0944	54,912,386.7	1,562.60	1,522,726.5	21.67	1,436,581.1	20.44
OR	11,003.14	0.4444	4,792.80	0.5116	12,932.42	0.5223	9,744,393.4	393.56	840,128.9	16.97	237,791.9	4.80
PA	184,311.23	1.6909	50,735.83	1.0600	997,192.45	9.1482	131,479,059.2	1,206.19	5,541,258.4	25.42	4,564,949.7	20.94
RI	644.39	0.2129	311.35	0.2089	165.92	0.0548	2,919,853.8	964.72	116,308.2	19.21	11,957.8	1.98
SC	55,594.47	1.0846	17,930.98	0.8004	226,159.35	4.4122	45,298,837.8	883.75	1,529,849.3	14.92	1,555,340.6	15.17
SD	14,800.40	4.5395	5,348.46	3.6268	11,460.63	3.5151	3,851,980.4	1,181.45	91,052.9	13.96	124,118.7	19.03
TN	103,412.56	2.1318	22,468.09	1.0633	268,048.54	5.5257	60,890,442.8	1,255.22	1,592,464.6	16.41	2,103,950.4	21.69
TX	196,031.29	0.9870	86,302.46	0.9044	597,420.87	3.0079	269,166,306.5	1,355.22	7,843,575.9	19.75	6,099,389.7	15.35
UT	70,779.96	3.7098	31,263.89	3.7409	37,007.65	1.9397	40,122,566.9	2,102.97	921,222.2	24.14	1,342,781.2	35.19
VA	70,496.04	1.7890	21,874.59	1.2729	227,114.45	5.7635	45,454,175.5	1,153.50	3,230,331.6	40.99	1,676,006.1	21.27
VT	581.37	0.2034	266.69	0.2220	48.48	0.0170	13,297.8	4.65	506,578.9	88.61	67,621.1	11.83
WA	21,600.13	0.4236	8,332.14	0.3878	4,525.15	0.0887	16,559,186.1	324.77	1,672,301.6	16.40	616,155.6	6.04
WI	74,369.76	2.4052	31,798.10	2.3253	189,960.37	6.1436	52,841,150.7	1,708.95	1,578,126.8	25.52	1,748,801.6	28.28
WV	162,304.81	3.4680	28,802.00	1.4143	472,124.15	10.0881	90,236,388.9	1,928.12	2,049,347.8	21.89	3,062,605.3	32.72
WY	91,392.93	4.0113	37,458.62	3.8958	90,280.78	3.9625	51,296,417.0	2,251.46	1,170,313.5	25.68	1,696,751.6	37.24
U.S.	3,927,928.52	1.9366	1,387,641.07	1.5162	10,666,306.79	5.2589	2,664,083,957.8	1,313.51	110,605,256.4	27.27	83,572,972.9	20.60

Year 2005 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	2,009.5	6,576,653.1	9.4749	11.5578	56.6188	0.0000	0.0799	22.2597	0.0000	0.0090	0.0000	0.0000	0.0000
AL	33,206.2	137,325,018.7	56.8508	0.1453	10.0961	0.0869	2.3450	7.3873	23.0797	0.0000	0.0000	0.0000	0.0090
AR	14,609.1	47,794,506.6	48.2004	0.4324	12.5703	0.0320	3.6295	6.4928	28.6426	0.0000	0.0000	0.0000	0.0000
AZ	28,727.3	101,465,934.9	39.5633	0.0426	28.4758	0.0000	0.0595	6.4107	25.4346	0.0000	0.0134	0.0000	0.0000
CA	66,022.8	199,924,749.7	0.9833	1.2886	46.7057	1.1304	2.9082	19.8833	18.0843	2.1305	0.2685	6.5138	0.1035
CO	12,454.8	49,632,185.6	71.6675	0.0343	24.0594	0.0000	0.0692	2.6056	0.0000	1.5640	0.0000	0.0000	0.0000
CT	8,695.9	33,549,743.9	11.9121	9.4071	26.4242	2.3010	2.1191	1.4204	46.3852	0.0000	0.0000	0.0000	0.0309
DC	868.0	226,042.0	0.0000	100.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
DE	3,517.5	8,136,567.1	59.3979	14.9501	19.5508	6.1013	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
FL	62,446.5	219,845,864.3	28.4303	16.9257	38.0526	0.6249	1.9701	0.1211	13.0814	0.0000	0.0000	0.0000	0.7941
GA	39,737.9	136,617,442.0	63.8539	0.7365	7.1539	0.0375	2.3397	2.7963	23.0822	0.0000	0.0000	0.0000	0.0000
HI	2,592.7	11,522,803.2	14.1567	78.7692	0.0000	1.6454	2.6132	0.8348	0.0000	0.0576	0.0000	1.9231	0.0000
IA	12,869.5	43,987,078.7	77.4852	0.3399	5.6396	0.0283	0.2637	2.1814	10.3174	3.7446	0.0000	0.0000	0.0000
ID	3,441.4	10,824,979.6	0.8793	0.0000	14.3203	0.0000	5.3306	78.9112	0.0000	0.0000	0.0000	0.0000	0.5586
IL	48,313.8	194,157,100.8	47.5204	0.1679	3.6622	0.1229	0.3526	0.0665	48.0348	0.0727	0.0000	0.0000	0.0000
IN	30,085.7	130,290,362.9	94.2483	0.2029	2.7603	2.0747	0.0510	0.3364	0.0000	0.0000	0.0000	0.0000	0.3264
KS	12,007.5	45,862,689.7	75.1825	2.1508	2.4801	0.0000	0.0000	0.0247	19.2334	0.9285	0.0000	0.0000	0.0000
KY	22,703.9	97,822,418.3	91.0662	3.7626	1.6950	0.0174	0.4318	3.0271	0.0000	0.0000	0.0000	0.0000	0.0000
LA	29,797.0	92,680,362.2	24.8924	3.7612	47.2937	3.0399	2.8873	0.8750	16.9144	0.0000	0.0000	0.0000	0.3360
MA	15,549.2	47,494,728.0	25.3366	14.9838	42.6922	1.7478	2.5277	1.1843	11.5277	0.0000	0.0000	0.0000	0.0000
MD	13,375.7	52,638,599.3	55.6890	7.2524	3.5936	1.2514	1.0446	3.2365	27.9324	0.0000	0.0000	0.0000	0.0000
ME	4,440.0	17,575,739.2	1.8341	8.6192	42.5971	1.7437	21.9299	23.2760	0.0000	0.0000	0.0000	0.0000	0.0000
MI	33,052.7	121,645,244.3	57.8285	0.7381	11.2060	0.8296	2.0856	0.2882	27.0225	0.0015	0.0000	0.0000	0.0000
MN	13,222.8	52,906,084.8	62.1160	1.4806	5.1446	0.5644	1.8917	1.4643	24.2604	2.9911	0.0000	0.0000	0.0869
MO	22,048.1	90,857,129.2	85.2296	0.1854	4.2889	0.0768	0.0102	1.3706	8.8387	0.0000	0.0000	0.0000	0.0000
MS	17,176.7	45,075,692.9	36.9066	3.1866	34.0245	0.0430	3.4793	0.0000	22.3576	0.0000	0.0000	0.0000	0.0025
MT	5,245.8	27,938,776.3	63.7943	1.4818	0.1291	0.0458	0.2335	34.3156	0.0000	0.0000	0.0000	0.0000	0.0000
NC	29,011.9	129,733,725.3	60.4706	0.3739	2.4122	0.0572	1.4159	4.2726	30.8183	0.0000	0.0000	0.0000	0.1793
ND	5,070.8	31,932,614.6	94.7582	0.1071	0.0285	0.1829	0.0313	4.2020	0.0000	0.6900	0.0000	0.0000	0.0000
NE	7,494.6	31,465,429.7	66.1620	0.0992	2.5535	0.0000	0.1355	2.7696	27.9731	0.3070	0.0000	0.0000	0.0000
NH	4,540.1	24,414,429.8	16.6827	5.5588	27.7899	0.2574	3.8400	7.1405	38.7307	0.0000	0.0000	0.0000	0.0000
NJ	20,854.5	60,608,679.6	19.1018	1.7996	25.0872	0.9535	1.3778	0.0000	51.5799	0.0000	0.0000	0.0000	0.1001
NM	7,066.8	35,135,640.6	85.2332	0.1050	11.9173	0.0000	0.0132	0.4696	0.0000	2.2616	0.0000	0.0000	0.0000
NV	9,841.9	40,921,212.2	44.9260	0.1088	47.4446	0.2748	0.0000	4.1601	0.0000	0.0000	0.0000	3.0857	0.0000
NY	42,824.3	148,069,580.2	13.7535	16.2274	22.4641	0.6988	1.2371	16.8852	28.6643	0.0696	0.0000	0.0000	0.0000
OH	36,796.1	156,967,960.4	87.1937	0.8859	1.7164	0.1907	0.2458	0.3286	9.4304	0.0085	0.0000	0.0000	0.0000
OK	21,796.6	70,283,511.1	51.7183	0.1001	43.0045	0.0268	0.4115	3.5236	0.0000	1.2062	0.0000	0.0000	0.0090
OR	12,766.9	49,519,311.3	7.0007	0.1197	27.0387	0.0879	1.7727	62.4975	0.0000	1.4828	0.0000	0.0000	0.0000
PA	49,296.0	218,007,339.4	55.4403	2.2741	4.9592	0.5835	0.9138	0.6949	34.9940	0.1304	0.0000	0.0000	0.0099
RI	1,996.2	6,053,293.4	0.0000	0.9220	98.9667	0.0000	0.0000	0.1112	0.0000	0.0000	0.0000	0.0000	0.0000
SC	25,142.2	102,514,661.4	38.7035	0.6563	5.2798	0.0906	1.7389	1.6968	51.8341	0.0000	0.0000	0.0000	0.0000
SD	3,027.0	6,520,768.5	45.9508	0.3187	4.1551	0.0003	0.0000	47.1504	0.0000	2.4246	0.0000	0.0000	0.0000
TN	22,688.1	97,019,349.1	60.9995	0.2376	0.5484	0.0000	0.5745	8.9792	28.6573	0.0034	0.0000	0.0000	0.0000
TX	108,093.4	397,230,222.1	37.3481	0.5724	49.2611	1.3029	0.2762	0.3355	9.6248	1.0667	0.0000	0.0000	0.2123
UT	6,856.3	38,158,077.2	94.2668	0.1072	3.0858	0.0000	0.0000	2.0558	0.0000	0.0000	0.0000	0.4843	0.0000
VA	24,321.6	78,811,115.8	44.9138	5.3757	10.4345	0.6539	3.1170	0.0806	35.4245	0.0000	0.0000	0.0000	0.0000
VT	1,086.5	5,716,751.9	0.0000	0.1780	0.0392	0.0000	7.1805	21.1800	71.2213	0.2009	0.0000	0.0000	0.0000
WA	27,646.9	101,975,586.7	10.3026	0.1001	8.4150	0.3704	1.5561	70.6843	8.0826	0.4888	0.0000	0.0000	0.0000
WI	16,934.7	61,840,344.8	67.3493	1.1367	10.4811	0.1203	1.8919	2.7541	16.0429	0.1496	0.0000	0.0000	0.0743
WV	17,343.0	93,600,525.1	97.6556	0.2388	0.2917	0.1021	0.0008	1.5465	0.0000	0.1644	0.0000	0.0000	0.0000
WY	7,031.4	45,567,305.6	95.1245	0.0928	0.7132	0.5785	0.0000	1.7740	0.0000	1.5741	0.0000	0.0000	0.1429
U.S.	1,067,745.8	4,056,441,933.0	49.6054	3.0307	18.7669	0.6021	1.3028	6.4989	19.2776	0.4390	0.0136	0.3622	0.1010

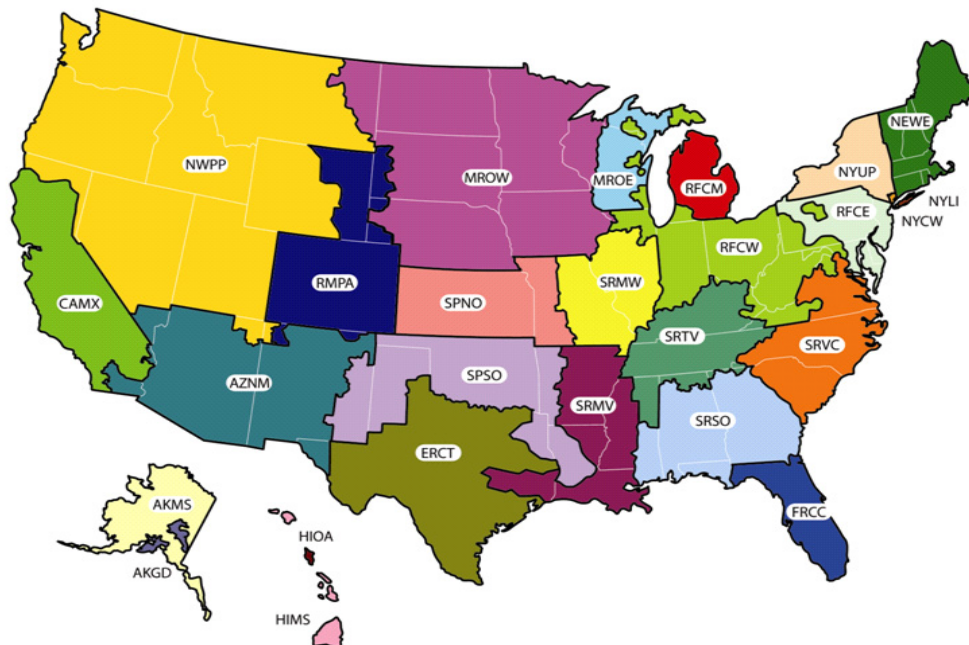
Generation by Fuel Type



Source: eGRID2007 Version 1.0 Year 2005 data, www.epa.gov/egridd (created September 2008).

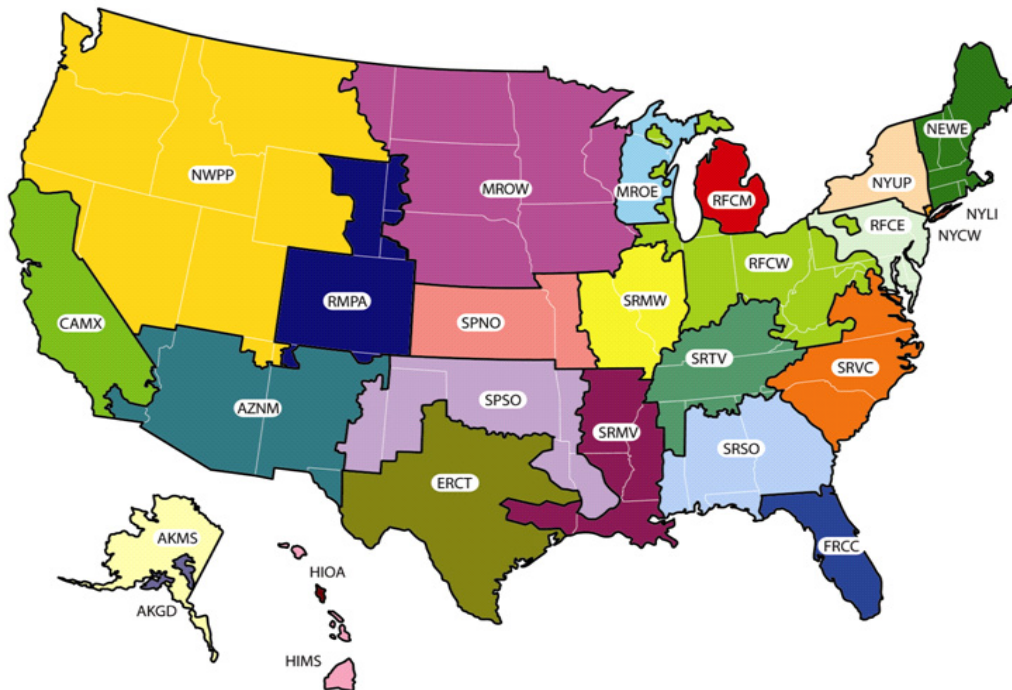
Year 2005 eGRID Subregion Emissions - Greenhouse Gases

eGRID subregion acronym	eGRID subregion name	Carbon dioxide (CO ₂)		Methane (CH ₄)		Nitrous oxide (N ₂ O)	
		Emissions (tons)	Output emission rate (lb/MWh)	Emissions (lbs)	Output emission rate (lb/GWh)	Emissions (lbs)	Output emission rate (lb/GWh)
AKGD	ASCC Alaska Grid	3,214,787.8	1,213.49	135,640.7	25.60	34,478.9	6.51
AKMS	ASCC Miscellaneous	318,831.0	498.86	26,526.1	20.75	5,211.4	4.08
AZNM	WECC Southwest	103,275,053.5	1,311.05	2,749,862.5	17.45	2,825,740.5	17.94
CAMX	WECC California	78,289,939.7	712.99	6,640,290.5	30.24	1,773,530.1	8.08
ERCT	ERCOT All	212,605,812.5	1,324.35	5,986,718.5	18.65	4,852,892.1	15.11
FRCC	FRCC All	131,435,073.0	1,264.50	9,546,845.2	45.92	3,521,806.0	16.94
HIMS	HICC Miscellaneous	2,223,104.0	1,415.73	988,278.7	314.68	147,239.4	46.88
HIOA	HICC Oahu	7,281,576.9	1,737.38	917,599.7	109.47	197,964.1	23.62
MROE	MRO East	27,140,982.8	1,812.91	826,162.1	27.59	909,117.2	30.36
MROW	MRO West	162,093,850.1	1,810.47	5,013,704.4	28.00	5,498,211.8	30.71
NEWE	NPCC New England	55,908,023.1	829.41	11,660,687.7	86.49	2,292,846.3	17.01
NWPP	WECC Northwest	112,978,409.3	898.04	4,813,277.9	19.13	3,748,935.0	14.90
NYCW	NPCC NYC/Westchester	15,051,122.2	781.11	1,388,290.1	36.02	210,280.4	5.46
NYLI	NPCC Long Island	10,201,970.6	1,353.45	1,739,933.9	115.41	272,748.6	18.09
NYUP	NPCC Upstate NY	33,064,034.9	699.63	2,345,942.1	24.82	1,057,953.7	11.19
RFCE	RFC East	154,295,162.2	1,090.50	8,566,391.7	30.27	5,295,851.8	18.71
RFCM	RFC Michigan	75,699,329.0	1,543.33	3,328,746.2	33.93	2,665,369.6	27.17
RFCW	RFC West	473,735,487.6	1,536.99	11,240,769.2	18.23	15,848,034.9	25.71
RMPA	WECC Rockies	62,716,677.0	1,870.19	1,534,839.1	22.88	1,928,300.8	28.75
SPNO	SPP North	64,723,307.7	1,960.94	1,572,217.6	23.82	2,118,015.4	32.09
SPSO	SPP South	122,802,946.8	1,655.25	3,706,301.1	24.98	3,354,143.4	22.61
SRMV	SERC Mississippi Valley	82,000,433.4	1,017.49	3,919,014.4	24.31	1,886,785.1	11.71
SRMW	SERC Midwest	128,068,154.1	1,830.27	2,959,315.0	21.15	4,268,507.4	30.50
SRSO	SERC South	192,830,415.5	1,476.99	6,860,048.9	26.27	6,650,931.2	25.47
SRTV	SERC Tennessee Valley	177,385,702.9	1,509.94	4,710,061.5	20.05	6,024,290.5	25.64
SRVC	SERC Virginia/Carolina	174,743,770.3	1,118.40	7,427,791.6	23.77	6,183,787.3	19.79
U.S.		2,664,083,957.8	1,313.51	110,605,256.4	27.27	83,572,972.9	20.60



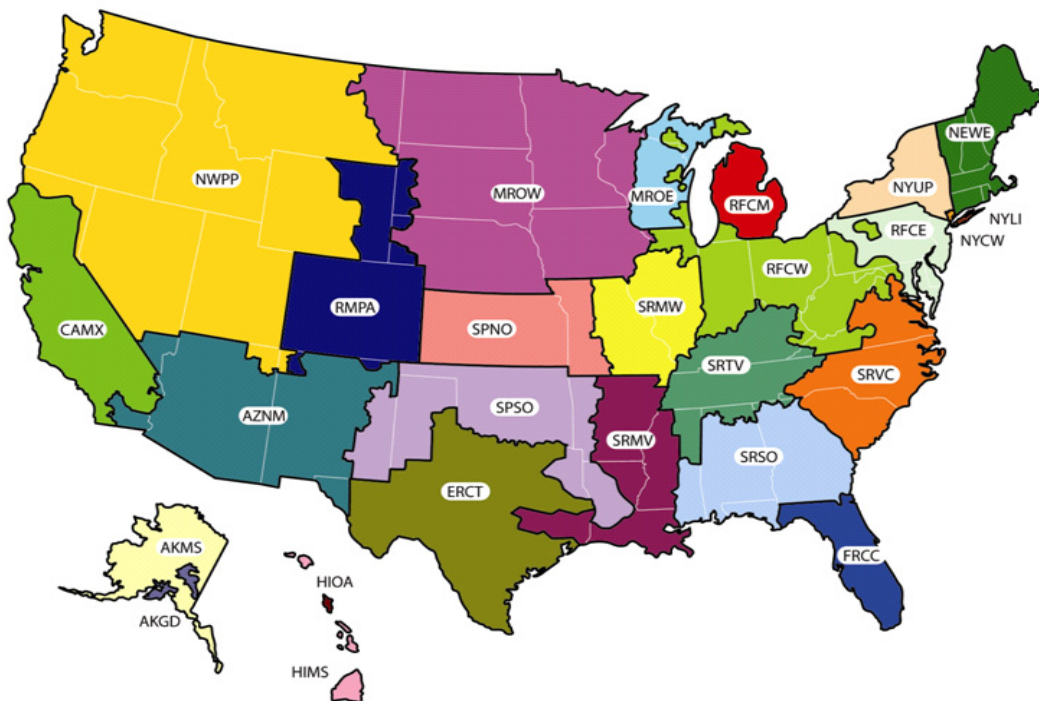
Year 2005 eGRID Subregion Emissions - Criteria Pollutants

eGRID subregion acronym	eGRID subregion name	Nitrogen oxides (NO _x)				Sulfur dioxide (SO ₂)	
		Emissions (tons)	Output emission rate (lb/MWh)	Ozone season emissions (tons)	Ozone season output emission rate (lb/MWh)	Emissions (tons)	Output emission rate (lb/MWh)
AKGD	ASCC Alaska Grid	6,568.70	2.4795	2,719.39	2.6109	3,215.45	1.2137
AKMS	ASCC Miscellaneous	4,339.98	6.7906	1,754.12	6.4890	336.38	0.5263
AZNM	WECC Southwest	166,324.71	2.1114	72,904.61	2.0050	85,122.16	1.0806
CAMX	WECC California	67,831.93	0.6177	30,366.22	0.5897	58,306.32	0.5310
ERCT	ERCOT All	140,675.76	0.8763	62,096.84	0.8041	513,061.35	3.1959
FRCC	FRCC All	215,454.55	2.0728	103,422.95	2.0583	371,850.18	3.5775
HIMS	HICC Miscellaneous	11,508.51	7.3289	5,081.48	6.9494	8,938.22	5.6921
HIOA	HICC Oahu	10,846.63	2.5880	4,960.58	2.8091	15,071.29	3.5960
MROE	MRO East	41,129.68	2.7473	16,756.50	2.5517	107,287.46	7.1664
MROW	MRO West	332,498.52	3.7138	137,506.50	3.5584	505,639.95	5.6476
NEWE	NPCC New England	58,173.50	0.8630	21,578.97	0.7409	159,030.10	2.3593
NWPP	WECC Northwest	199,896.37	1.5889	84,719.02	1.5864	155,639.74	1.2372
NYCW	NPCC NYC/Westchester	14,042.82	0.7288	6,369.75	0.6857	11,509.18	0.5973
NYLI	NPCC Long Island	12,350.39	1.6385	5,388.95	1.5079	28,278.70	3.7516
NYUP	NPCC Upstate NY	39,314.36	0.8319	17,641.89	0.8662	141,828.29	3.0011
RFCE	RFC East	230,729.10	1.6307	73,736.56	1.1707	1,102,458.70	7.7918
RFCM	RFC Michigan	115,015.04	2.3449	44,161.08	2.0189	362,972.65	7.4001
RFCW	RFC West	795,437.86	2.5807	193,114.56	1.4361	3,015,765.64	9.7844
RMPA	WECC Rockies	94,328.56	2.8128	39,504.02	2.7341	77,824.01	2.3207
SPNO	SPP North	126,925.39	3.8455	57,408.15	3.8930	219,809.81	6.6597
SPSO	SPP South	175,789.87	2.3695	79,811.27	2.2273	257,778.09	3.4746
SRMV	SERC Mississippi Valley	100,105.15	1.2421	49,854.73	1.3098	145,782.40	1.8089
SRMW	SERC Midwest	157,141.51	2.2458	44,930.21	1.4324	448,805.23	6.4140
SRSO	SERC South	269,112.17	2.0613	96,597.27	1.5881	1,158,631.42	8.8746
SRTV	SERC Tennessee Valley	291,573.21	2.4819	68,860.62	1.3282	791,737.41	6.7394
SRVC	SERC Virginia/Carolina	250,814.27	1.6053	66,394.82	0.9672	919,626.62	5.8858
U.S.		3,927,928.52	1.9366	1,387,641.07	1.5162	10,666,306.79	5.2589



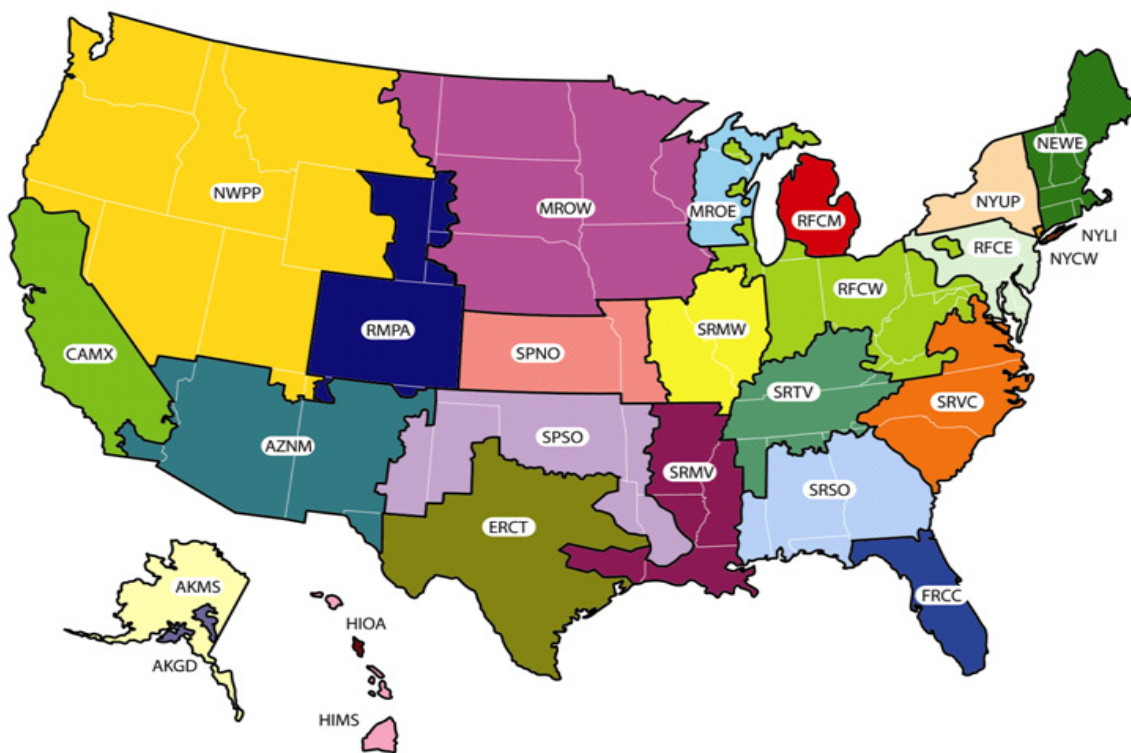
Year 2005 eGRID Subregion Emission Rates - Greenhouse Gases

eGRID subregion acronym	eGRID subregion name	Output emission rates			Fossil fuel output emission rates	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	1,213.49	25.60	6.51	1,374.59	1,423.97	36.41	8.24
AKMS	ASCC Miscellaneous	498.86	20.75	4.08	1,417.24	1,457.11	60.47	11.87
AZNM	WECC Southwest	1,311.05	17.45	17.94	1,689.70	1,201.44	20.80	8.50
CAMX	WECC California	712.99	30.24	8.08	1,253.41	1,071.56	39.24	5.55
ERCT	ERCOT All	1,324.35	18.65	15.11	1,533.92	1,118.86	20.15	5.68
FRCC	FRCC All	1,264.50	45.92	16.94	1,388.71	1,331.52	48.16	12.95
HIMS	HICC Miscellaneous	1,415.73	314.68	46.88	1,697.39	1,535.57	338.44	51.42
HIOA	HICC Oahu	1,737.38	109.47	23.62	1,800.30	1,759.89	120.11	20.79
MROE	MRO East	1,812.91	27.59	30.36	2,202.14	1,797.60	28.82	25.20
MROW	MRO West	1,810.47	28.00	30.71	2,311.85	2,131.99	45.57	35.22
NEWE	NPCC New England	829.41	86.49	17.01	1,325.90	1,256.11	77.47	16.02
NWPP	WECC Northwest	898.04	19.13	14.90	1,972.97	1,323.68	49.28	18.73
NYCW	NPCC NYC/Westchester	781.11	36.02	5.46	1,416.58	1,496.57	56.80	9.08
NYLI	NPCC Long Island	1,353.45	115.41	18.09	1,443.07	1,492.65	60.32	10.78
NYUP	NPCC Upstate NY	699.63	24.82	11.19	1,550.19	1,491.43	45.30	18.41
RFCE	RFC East	1,090.50	30.27	18.71	1,661.27	1,756.59	41.61	24.36
RFCM	RFC Michigan	1,543.33	33.93	27.17	1,681.14	1,649.82	29.40	26.24
RFCW	RFC West	1,536.99	18.23	25.71	1,976.99	1,991.95	24.49	31.72
RMPA	WECC Rockies	1,870.19	22.88	28.75	2,050.25	1,613.03	22.42	20.14
SPNO	SPP North	1,960.94	23.82	32.09	2,283.46	2,169.74	31.18	31.99
SPSO	SPP South	1,655.25	24.98	22.61	1,773.99	1,376.74	24.40	12.04
SRMV	SERC Mississippi Valley	1,017.49	24.31	11.71	1,421.49	1,255.79	29.50	9.82
SRMW	SERC Midwest	1,830.27	21.15	30.50	2,103.26	2,100.44	25.66	32.92
SRSO	SERC South	1,476.99	26.27	25.47	1,946.53	1,674.83	35.20	26.41
SRTV	SERC Tennessee Valley	1,509.94	20.05	25.64	2,101.39	1,997.83	28.25	32.86
SRVC	SERC Virginia/Carolina	1,118.40	23.77	19.79	1,892.62	1,747.29	40.09	27.46
U.S.		1,313.51	27.27	20.60	1,793.36	1,568.79	35.77	19.97



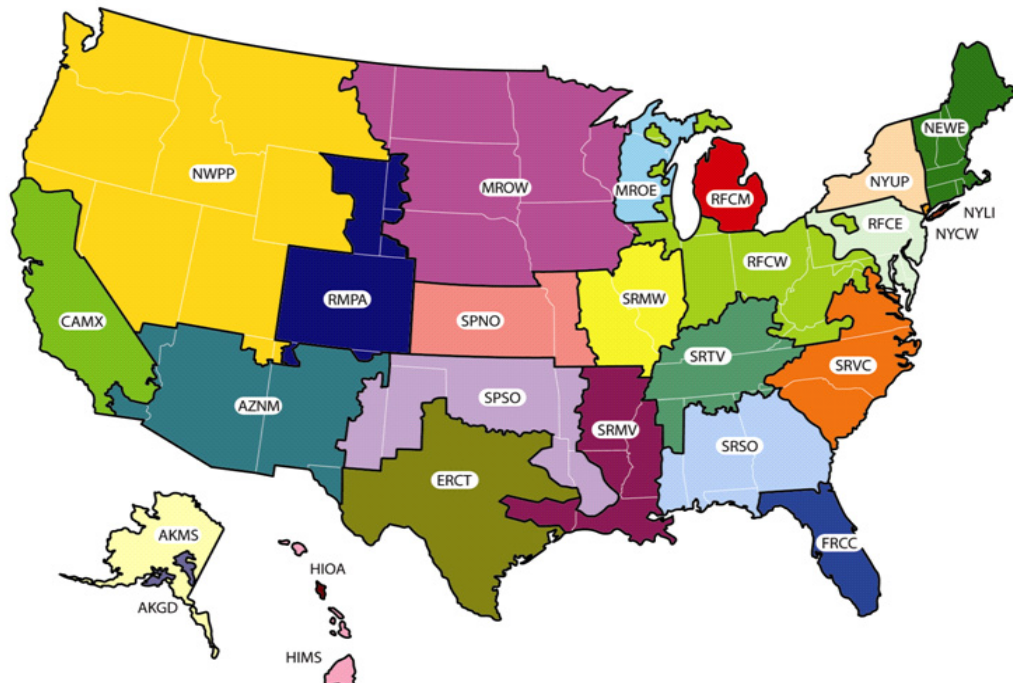
Year 2005 eGRID Subregion Emission Rates - Criteria Pollutants

eGRID subregion acronym	eGRID subregion name	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	2.4795	2.6109	1.2137	2.8087	2.9960	1.3749	3.0769	3.1501	2.7512
AKMS	ASCC Miscellaneous	6.7906	6.4890	0.5263	19.2917	18.4263	1.4953	20.0105	19.6307	1.5456
AZNM	WECC Southwest	2.1114	2.0050	1.0806	2.7228	2.5570	1.3847	1.0437	0.8513	0.6455
CAMX	WECC California	0.6177	0.5897	0.5310	1.0178	0.9909	0.9236	0.3578	0.3401	0.2354
ERCT	ERCOT All	0.8763	0.8041	3.1959	1.0134	0.9240	3.7017	0.5749	0.6327	0.6067
FRCC	FRCC All	2.0728	2.0583	3.5775	2.1678	2.1392	3.9079	1.8692	1.8192	3.3989
HIMS	HICC Miscellaneous	7.3289	6.9494	5.6921	8.0611	7.6710	6.3996	10.5796	11.0411	4.5107
HIOA	HICC Oahu	2.5880	2.8091	3.5960	2.4471	2.5799	3.7262	3.0739	3.6865	4.1493
MROE	MRO East	2.7473	2.5517	7.1664	3.2536	2.9733	8.5555	2.9043	2.7339	6.782
MROW	MRO West	3.7138	3.5584	5.6476	4.7196	4.5167	7.1904	4.5118	4.2791	6.5656
NEWE	NPCC New England	0.8630	0.7409	2.3593	1.0146	0.8213	3.6016	1.0311	1.0885	2.9296
NWPP	WECC Northwest	1.5889	1.5864	1.2372	3.4304	3.5393	2.6696	2.1027	2.0683	1.282
NYCW	NPCC NYC/Westchester	0.7288	0.6857	0.5973	1.2240	1.0564	1.0832	1.3995	1.2235	1.2297
NYLI	NPCC Long Island	1.6385	1.5079	3.7516	1.4796	1.3482	4.0000	1.5463	1.7865	3.7499
NYUP	NPCC Upstate NY	0.8319	0.8662	3.0011	1.7214	1.6458	6.6168	1.8164	1.8114	7.0288
RFCE	RFC East	1.6307	1.1707	7.7918	2.4111	1.6347	11.8702	2.7681	2.2945	10.5256
RFCM	RFC Michigan	2.3449	2.0189	7.4001	2.4983	2.1342	8.0205	2.2587	1.7129	7.1077
RFCW	RFC West	2.5807	1.4361	9.7844	3.3137	1.8438	12.5802	3.4342	2.4928	14.2965
RMPA	WECC Rockies	2.8128	2.7341	2.3207	3.0834	3.0128	2.5441	2.0395	2.0368	2.0408
SPNO	SPP North	3.8455	3.8930	6.6597	4.4780	4.4999	7.7550	4.4104	4.3603	8.678
SPSO	SPP South	2.3695	2.2273	3.4746	2.5216	2.3449	3.6827	1.9672	1.8130	1.7012
SRMV	SERC Mississippi Valley	1.2421	1.3098	1.8089	1.6634	1.7024	2.3802	1.6595	1.8144	1.7745
SRMW	SERC Midwest	2.2458	1.4324	6.4140	2.5790	1.6441	7.3707	3.1639	1.7602	8.8077
SRSO	SERC South	2.0613	1.5881	8.8746	2.6278	1.9726	11.5238	2.5985	2.1684	10.3859
SRTV	SERC Tennessee Valley	2.4819	1.3282	6.7394	3.4296	1.7924	9.3380	3.2939	2.0151	10.1064
SRVC	SERC Virginia/Carolina	1.6053	0.9672	5.8858	2.6438	1.5062	9.8894	2.4879	1.8250	9.3314
U.S.		1.9366	1.5162	5.2589	2.5925	1.9879	7.1413	2.2120	1.8534	6.1336



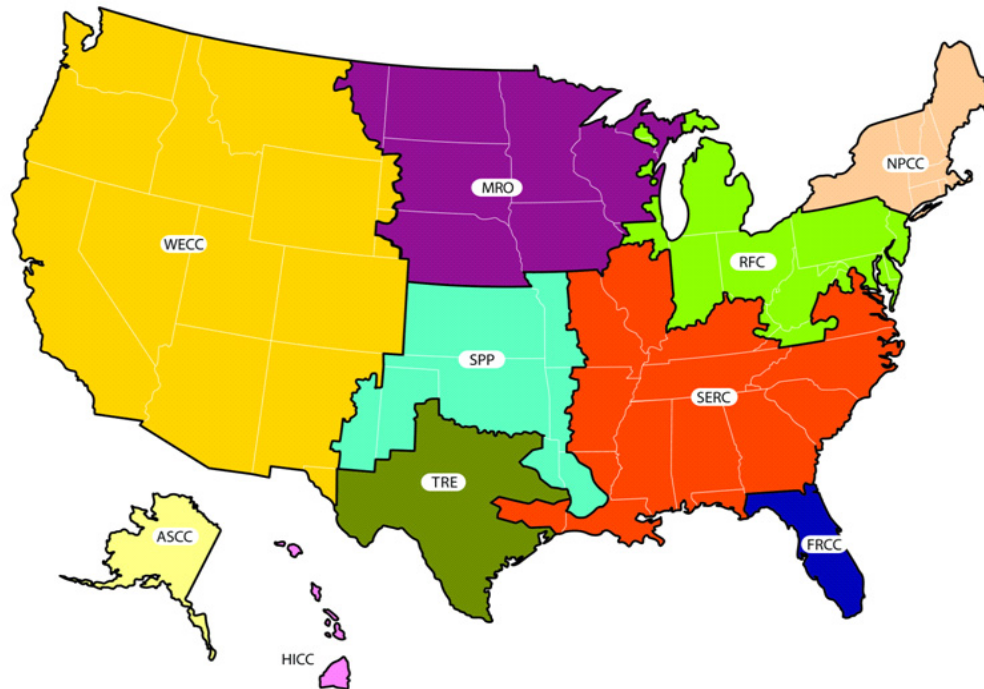
Year 2005 eGRID Subregion Resource Mix

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	1,469.1	5,298,411.8	11.7607	7.1296	69.3825	0.0000	0.0072	11.7201	0.0000	0.0000	0.0000	0.0000	0.0000
AKMS	ASCC Miscellaneous	540.4	1,278,241.3	0.0000	29.9131	3.7125	0.0000	0.3812	65.9471	0.0000	0.0461	0.0000	0.0000	0.0000
AZNM	WECC Southwest	40,798.6	157,545,524.1	45.7483	0.0588	31.6106	0.0714	0.0413	3.5432	16.3809	0.3263	0.0086	2.2106	0.0000
CAMX	WECC California	68,119.7	219,611,656.2	11.9033	1.1747	42.2704	1.0291	2.6088	17.6513	16.4631	1.9396	0.2444	4.6211	0.0943
ERCT	ERCOT All	89,456.4	321,072,020.3	37.0621	0.4774	47.5239	1.2381	0.0666	0.3139	11.9078	1.2362	0.0000	0.0000	0.1741
FRCC	FRCC All	59,453.4	207,884,617.6	26.2377	17.8679	39.0280	0.6407	1.5389	0.0130	13.8340	0.0000	0.0000	0.0000	0.8397
HIMS	HICC Miscellaneous	808.9	3,140,566.1	1.4738	83.4929	0.0000	0.0000	4.7035	3.0627	0.0000	0.2112	0.0000	7.0560	0.0000
HIOA	HICC Oahu	1,783.8	8,382,237.1	18.9086	76.9994	0.0000	2.2619	1.8300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
MROE	MRO East	8,223.4	29,941,931.9	67.9459	2.1905	11.9942	0.1545	3.6798	3.5889	10.1773	0.1155	0.0000	0.0000	0.1534
MROW	MRO West	45,194.8	179,062,972.3	73.5153	0.5962	4.0374	0.2209	0.7641	4.1534	14.6180	2.0689	0.0000	0.0000	0.0257
NEWE	NPCC New England	36,309.8	134,813,887.1	15.1508	9.7991	36.6478	1.4623	5.2768	6.0083	25.6388	0.0085	0.0000	0.0000	0.0077
NWPP	WECC Northwest	61,126.6	251,609,925.8	34.3589	0.2676	10.8421	0.2773	1.2686	48.6135	3.2758	0.7129	0.0000	0.3334	0.0499
NYCW	NPCC NYC/Westchester	11,968.3	38,537,554.1	0.0000	20.2127	34.9281	0.4831	0.5382	0.0210	43.8169	0.0000	0.0000	0.0000	0.0000
NYLI	NPCC Long Island	5,554.5	15,075,494.1	0.0000	59.0555	34.7444	2.8688	3.3312	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NYUP	NPCC Upstate NY	25,397.0	94,518,318.5	21.5458	7.7609	15.4840	0.4402	1.1873	26.4335	27.0394	0.1090	0.0000	0.0000	0.0000
RFCE	RFC East	75,355.3	282,979,629.8	45.0857	3.9729	9.6442	0.8928	1.0689	0.9076	38.3116	0.0872	0.0000	0.0000	0.0291
RFCM	RFC Michigan	29,479.1	98,098,907.9	66.8882	0.8483	13.7488	1.0220	1.8932	0.0000	15.5976	0.0019	0.0000	0.0000	0.0000
RFCW	RFC West	141,064.3	616,444,377.1	72.8273	0.3546	2.7265	0.6132	0.3386	0.6694	22.3360	0.0655	0.0000	0.0000	0.0690
RMPA	WECC Rockies	15,982.3	67,069,739.5	71.6915	0.0424	19.4570	0.0000	0.0512	7.3676	0.0000	1.3903	0.0000	0.0000	0.0000
SPNO	SPP North	18,969.3	66,012,413.0	78.2583	1.5962	5.9435	0.0778	0.0000	0.1165	13.3626	0.6451	0.0000	0.0000	0.0000
SPSO	SPP South	42,530.5	148,379,742.4	55.6730	0.3611	37.4117	0.2539	1.5178	3.6727	0.0000	0.9411	0.0000	0.0000	0.1687
SRMV	SERC Mississippi Valley	51,586.2	161,181,265.4	21.1991	3.3369	45.1560	2.2801	2.0667	1.2713	24.4717	0.0000	0.0000	0.0000	0.2182
SRMW	SERC Midwest	32,946.0	139,944,458.8	83.1549	0.2622	3.5242	0.0416	0.0773	0.9904	11.9495	0.0000	0.0000	0.0000	0.0000
SRSO	SERC South	69,757.7	261,112,732.6	64.7314	0.4724	10.9570	0.0840	3.0920	3.3196	17.3383	0.0000	0.0000	0.0000	0.0052
SRTV	SERC Tennessee Valley	57,265.5	234,956,812.8	66.7385	1.6857	3.5775	0.0124	0.8088	7.7002	19.4755	0.0014	0.0000	0.0000	0.0000
SRVC	SERC Virginia/Carolina	76,604.9	312,488,495.4	50.4645	1.6940	4.9484	0.2184	1.9341	1.9327	38.7335	0.0000	0.0000	0.0000	0.0744
U.S.		1,067,745.8	4,056,441,933.0	49.6054	3.0307	18.7669	0.6021	1.3028	6.4989	19.2776	0.4390	0.0136	0.3622	0.1010



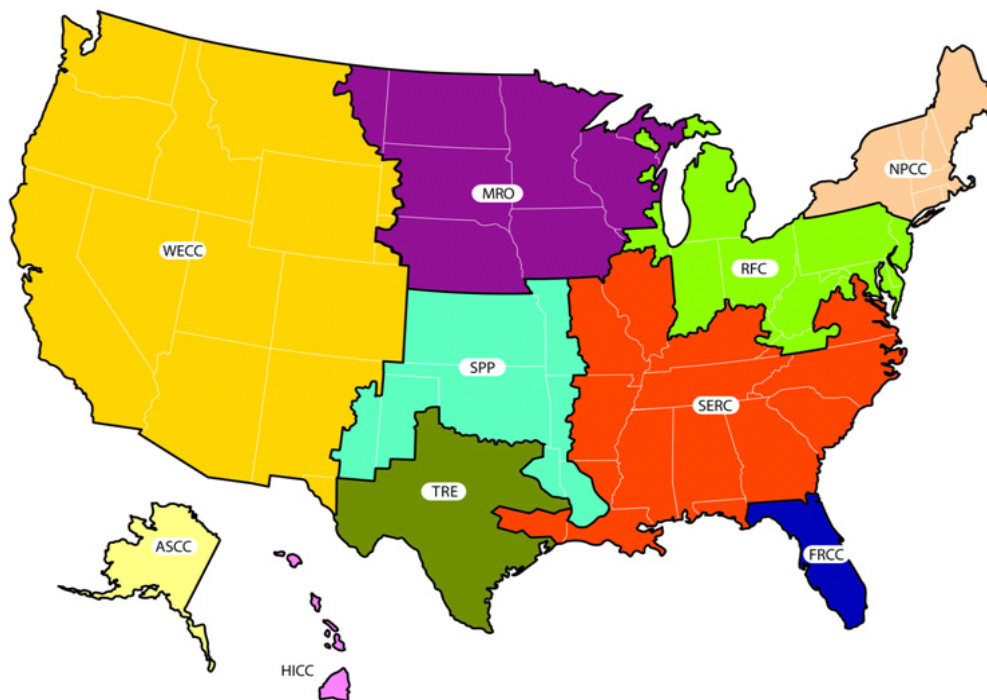
Year 2005 NERC Region Emissions

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)	Output emission rate (lb/MWh)	Ozone season emissions (tons)	Ozone season output emission rate (lb/MWh)	Emissions (tons)	Output emission rate (lb/MWh)	Emissions (tons)	Output emission rate (lb/MWh)	Emissions (lbs)	Output emission rate (lb/GWh)	Emissions (lbs)	Output emission rate (lb/GWh)
ASCC	Alaska Systems Coordinating Council	10,908.68	3.3174	4,473.51	3.4100	3,551.84	1.0801	3,533,618.8	1,074.59	162,166.8	24.66	39,690.3	6.04
FRCC	Florida Reliability Coordinating Council	215,454.55	2.0728	103,422.95	2.0583	371,850.18	3.5775	131,435,073.0	1,264.50	9,546,845.2	45.92	3,521,806.0	16.94
HICC	Hawaiian Islands Coordinating Council	22,355.13	3.8802	10,042.06	4.0215	24,009.52	4.1673	9,504,680.9	1,649.72	1,905,878.4	165.40	345,203.5	29.96
MRO	Midwest Reliability Organization	373,628.20	3.5753	154,263.00	3.4122	612,927.42	5.8652	189,234,832.9	1,810.82	5,839,866.5	27.94	6,407,329.0	30.66
NPCC	Northeast Power Coordinating Council	123,881.08	0.8757	50,979.56	0.8176	340,646.28	2.4079	114,225,150.7	807.40	17,134,853.8	60.56	3,833,829.0	13.55
RFC	Reliability First Corporation	1,141,182.00	2.2880	311,012.21	1.4180	4,481,197.00	8.9846	703,729,978.8	1,410.96	23,135,907.0	23.19	23,809,256.3	23.87
SERC	SERC Reliability Corporation	1,068,746.31	1.9262	326,637.65	1.3027	3,464,583.08	6.2443	755,028,476.2	1,360.80	25,876,231.4	23.32	25,014,301.5	22.54
SPP	Southwest Power Pool	302,715.26	2.8239	137,219.42	2.7129	477,587.90	4.4553	187,526,254.5	1,749.38	5,278,518.7	24.62	5,472,158.8	25.52
TRE	Texas Regional Entity	140,675.76	0.8763	62,096.84	0.8041	513,061.35	3.1959	212,605,812.5	1,324.35	5,986,718.5	18.65	4,852,892.1	15.11
WECC	Western Electricity Coordinating Council	528,381.56	1.5187	227,493.87	1.4610	376,892.23	1.0833	357,260,079.5	1,026.85	15,738,270.0	22.62	10,276,506.3	14.77
U.S.		3,927,928.52	1.9366	1,387,641.07	1.5162	10,666,306.79	5.2589	2,664,083,957.8	1,313.51	110,605,256.4	27.27	83,572,972.9	20.60



Year 2005 eGRID NERC Region Emission Rates

NERC region acronym	NERC region name	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	3.3174	3.4100	1.0801	1,074.59	24.66	6.04	4.2551	4.4607	1.3854	1,378.34	6.0502	5.7625	2.5395	1,429.79	40.63	8.87
FRCC	Florida Reliability Coordinating Council	2.0728	2.0583	3.5775	1,264.50	45.92	16.94	2.1678	2.1392	3.9079	1,388.71	1.8692	1.8192	3.3989	1,331.52	48.16	12.95
HICC	Hawaiian Islands Coordinating Council	3.8802	4.0215	4.1673	1,649.72	165.40	29.96	3.8203	3.8919	4.3801	1,775.13	5.3284	5.8244	4.2579	1,692.51	185.69	29.99
MRO	Midwest Reliability Organization	3.5753	3.4122	5.8652	1,810.82	27.94	30.66	4.5005	4.2798	7.3943	2,295.45	4.1897	3.9578	6.6090	2,064.99	42.21	33.22
NPCC	Northeast Power Coordinating Council	0.8757	0.8176	2.4079	807.40	60.56	13.55	1.2691	1.1226	4.0996	1,407.18	1.3203	1.3548	3.6606	1,372.02	65.00	14.94
RFC	Reliability First Corporation	2.2880	1.4180	8.9846	1,410.96	23.19	23.87	2.9943	1.8250	11.8615	1,864.02	3.0587	2.3145	12.0901	1,870.30	30.33	28.70
SERC	SERC Reliability Corporation	1.9262	1.3027	6.2443	1,360.80	23.32	22.54	2.6549	1.7367	8.6941	1,914.62	2.5845	1.9356	8.0114	1,714.03	32.36	25.07
SPP	Southwest Power Pool	2.8239	2.7129	4.4553	1,749.38	24.62	25.52	3.0903	2.9352	4.8664	1,922.08	2.5271	2.3783	3.3000	1,558.46	25.95	16.62
TRE	Texas Regional Entity	0.8763	0.8041	3.1959	1,324.35	18.65	15.11	1.0134	0.9240	3.7017	1,533.92	0.5749	0.6327	0.6067	1,118.86	20.15	5.68
WECC	Western Electricity Coordinating Council	1.5187	1.4610	1.0833	1,026.85	22.62	14.77	2.4653	2.3875	1.7656	1,690.42	1.0479	0.9703	0.7297	1,211.54	33.26	10.23
U.S.		1.9366	1.5162	5.2589	1,313.51	27.27	20.60	2.5925	1.9879	7.1413	1,793.36	2.2120	1.8534	6.1336	1,568.79	35.77	19.97



Year 2005 NERC Region Resource Mix

NERC region acronym	NERC region name	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	
ASCC	Alaska Systems Coordinating Council	2,009.5	6,576,653.1	9.4749	11.5578	56.6188	0.0000	0.0799	22.2597	0.0000	0.0090	0.0000	0.0000	0.0000
FRCC	Florida Reliability Coordinating Council	59,453.4	207,884,617.6	26.2377	17.8679	39.0280	0.6407	1.5389	0.0130	13.8340	0.0000	0.0000	0.0000	0.8397
HICC	Hawaiian Islands Coordinating Council	2,592.7	11,522,803.2	14.1567	78.7692	0.0000	1.6454	2.6132	0.8348	0.0000	0.0576	0.0000	1.9231	0.0000
MRO	Midwest Reliability Organization	53,418.2	209,004,904.2	72.7174	0.8246	5.1773	0.2114	1.1818	4.0725	13.9818	1.7891	0.0000	0.0000	0.0440
NPCC	Northeast Power Coordinating Council	79,229.6	282,945,253.9	14.4162	13.1610	29.2423	1.0624	3.1616	11.6958	27.2165	0.0405	0.0000	0.0000	0.0037
RFC	Reliability First Corporation	245,898.7	997,522,914.7	64.4160	1.4301	5.7816	0.7334	0.6998	0.6074	26.2153	0.0654	0.0000	0.0000	0.0509
SERC	SERC Reliability Corporation	288,160.3	1,109,683,765.0	57.1391	1.4629	11.7325	0.4203	1.7534	3.2653	24.1723	0.0003	0.0000	0.0000	0.0539
SPP	Southwest Power Pool	61,499.8	214,392,155.4	62.6271	0.7414	27.7225	0.1997	1.0505	2.5777	4.1144	0.8500	0.0000	0.0000	0.1167
TRE	Texas Regional Entity	89,456.4	321,072,020.3	37.0621	0.4774	47.5239	1.2381	0.0666	0.3139	11.9078	1.2362	0.0000	0.0000	0.1741
WECC	Western Electricity Coordinating Council	186,027.2	695,836,845.6	33.4488	0.4849	26.2937	0.4412	1.2964	24.6616	10.0892	1.0778	0.0791	2.0795	0.0478
U.S.		1,067,745.8	4,056,441,933.0	49.6054	3.0307	18.7669	0.6021	1.3028	6.4989	19.2776	0.4390	0.0136	0.3622	0.1010

