

Table 1: RGGI States, Annual Totals, All Program Units: CO2 Mass (Short Tons) by Simple Fuel Type

Year	Total	CO2 Mass (Short Tons)			Load (MWh)	Steam (1000 lb)
		Coal	Oil	Gas		
2006	128,402,332	74,927,790	14,961,889	38,512,652	178,593,586	98,661,029
2007	133,903,150	76,225,135	16,657,865	41,020,151	188,533,942	95,382,948
2008	119,577,750	69,405,317	11,814,187	38,358,245	166,139,460	92,777,237
2009	108,487,823	58,488,412	8,713,994	41,285,417	147,434,248	69,305,382
2010	118,444,437	60,790,810	9,942,572	47,711,054	161,111,800	62,316,413
2011	104,844,759	44,726,223	6,679,560	53,438,977	154,295,324	47,356,683
2012	95,595,473	30,201,899	8,480,900	56,912,674	152,426,369	43,017,645
2013	89,115,811	32,930,241	6,514,646	49,670,924	138,186,304	43,737,027
2014	89,553,622	33,099,613	6,252,852	50,201,156	136,051,149	41,706,830
2015	86,309,540	25,532,876	6,307,343	54,469,321	136,088,543	40,053,785

RGGI States, Annual Totals, All Program Units: CO2 Changes from 2006-2008 Baseline

Year	Total	CO2 Mass (Short Tons)			Load (MWh)	Steam (1000 lb)
		Coal	Oil	Gas		
Base	127,294,411	73,519,414	14,477,980	39,297,016	177,755,662	95,607,071
2009	-18,806,587	-15,031,002	-5,763,986	1,988,401	-30,321,414	-26,301,690
2010	-8,849,974	-12,728,604	-4,535,408	8,414,038	-16,643,863	-33,290,658
2011	-22,449,651	-28,793,191	-7,798,421	14,141,961	-23,460,338	-48,250,389
2012	-31,698,937	-43,317,515	-5,997,080	17,615,658	-25,329,293	-52,589,427
2013	-38,178,600	-40,589,173	-7,963,334	10,373,907	-39,569,358	-51,870,044
2014	-37,740,789	-40,419,801	-8,225,129	10,904,140	-41,704,513	-53,900,241
2015	-40,984,871	-47,986,538	-8,170,637	15,172,305	-41,667,120	-55,553,286

RGGI Percentage CO2 Changes from 2006-2008 Baseline

Year	Total	CO2 Mass (Short Tons)			Load (MWh)	Steam (1000 lb)
		Coal	Oil	Gas		
2009	-14.8%	-20.4%	-39.8%	5.1%	-17.1%	-27.5%
2010	-7.0%	-17.3%	-31.3%	21.4%	-9.4%	-34.8%
2011	-17.6%	-39.2%	-53.9%	36.0%	-13.2%	-50.5%
2012	-24.9%	-58.9%	-41.4%	44.8%	-14.2%	-55.0%
2013	-30.0%	-55.2%	-55.0%	26.4%	-22.3%	-54.3%
2014	-29.6%	-55.0%	-56.8%	27.7%	-23.5%	-56.4%
2015	-32.2%	-65.3%	-56.4%	38.6%	-23.4%	-58.1%

Data from EPA's CAMD Data and Maps website: <https://ampd.epa.gov/ampd/>

This table only lists three categories to simplify the comparison. All categories shown below

Annual data were downloaded for the years 2006-2015 for the RGGI states for all programs.

Non-RRGI affected units are included and some of the included units report only six months of the year

This is not an exact analysis of the total CO2 reductions in the RGGI region!

RGGI States, Annual Totals, All Program Units: CO2 Mass (Short Tons) by Primary Fuel Type

Year	Total	CO2 Mass (Short Tons)						Load (MWh)	Steam (1000 lb)
		Coal	Other Solid	Residual Oil	Other Oil	Natural Gas	Other Gas		
2006	128,402,332	74,482,225	445,565	12,977,610	1,984,279	38,288,295	224,357	178,593,586	98,661,029
2007	133,903,150	75,223,761	1,001,373	14,177,045	2,480,820	40,871,862	148,289	188,533,942	95,382,948
2008	119,577,750	67,977,062	1,428,256	9,709,910	2,104,278	38,215,109	143,136	166,139,460	92,777,237
2009	108,487,823	57,324,247	1,164,165	6,879,835	1,834,159	41,141,370	144,047	147,434,248	69,305,382
2010	118,444,437	59,736,642	1,054,168	8,385,012	1,557,561	47,691,093	19,961	161,111,800	62,316,413
2011	104,844,759	43,871,136	855,087	5,175,109	1,504,451	52,381,671	1,057,306	154,295,324	47,356,683
2012	95,595,473	29,096,542	1,105,357	6,575,331	1,905,569	56,069,189	843,485	152,426,369	43,017,645
2013	89,115,811	31,759,050	1,171,191	4,915,312	1,599,335	49,499,432	171,491	138,186,304	43,737,027
2014	89,553,622	31,060,039	2,039,574	4,858,765	1,394,087	49,980,173	220,984	136,051,149	41,706,830
2015	86,309,540	23,279,018	2,253,858	4,972,163	1,335,180	54,283,220	186,101	136,088,543	40,053,785

RGGI States, Annual Totals, All Program Units: CO2 Changes from 2006-2008 Baseline

Year	Total	CO2 Mass (Short Tons)						Load (MWh)	Steam (1000 lb)
		Coal	Other Solid	Residual Oil	Other Oil	Natural Gas	Other Gas		
Base	127,294,411	72,561,016	958,398	12,288,188	2,189,792	39,125,089	171,927	177,755,662	95,607,071
2009	-18,806,587	-15,236,769	205,767	-5,408,353	-355,633	2,016,281	-27,880	-30,321,414	-26,301,690
2010	-8,849,974	-12,824,374	95,770	-3,903,177	-632,231	8,566,004	-151,966	-16,643,863	-33,290,658
2011	-22,449,651	-28,689,880	-103,311	-7,113,080	-685,341	13,256,583	885,378	-23,460,338	-48,250,389
2012	-31,698,937	-43,464,474	146,959	-5,712,857	-284,223	16,944,100	671,558	-25,329,293	-52,589,427
2013	-38,178,600	-40,801,966	212,793	-7,372,877	-590,458	10,374,344	-436	-39,569,358	-51,870,044
2014	-37,740,789	-41,500,977	1,081,176	-7,429,423	-795,705	10,855,084	49,056	-41,704,513	-53,900,241
2015	-40,984,871	-49,281,998	1,295,460	-7,316,025	-854,612	15,158,131	14,174	-41,667,120	-55,553,286

RGGI States, Annual Totals, All Program Units: CO2 Changes from 2006-2008 Baseline

Year	Total	CO2 Mass (Short Tons)						Load (MWh)	Steam (1000 lb)
		Coal	Other Solid	Residual Oil	Other Oil	Natural Gas	Other Gas		
2009	-14.8%	-21.0%	21.5%	-44.0%	-16.2%	5.2%	-16.2%	-17.1%	-27.5%
2010	-7.0%	-17.7%	10.0%	-31.8%	-28.9%	21.9%	-88.4%	-9.4%	-34.8%
2011	-17.6%	-39.5%	-10.8%	-57.9%	-31.3%	33.9%	515.0%	-13.2%	-50.5%
2012	-24.9%	-59.9%	15.3%	-46.5%	-13.0%	43.3%	390.6%	-14.2%	-55.0%
2013	-30.0%	-56.2%	22.2%	-60.0%	-27.0%	26.5%	-0.3%	-22.3%	-54.3%
2014	-29.6%	-57.2%	112.8%	-60.5%	-36.3%	27.7%	28.5%	-23.5%	-56.4%
2015	-32.2%	-67.9%	135.2%	-59.5%	-39.0%	38.7%	8.2%	-23.4%	-58.1%