

RGGI Nine-State EPA Clean Air Markets Division Annual Emissions Data by Primary Fuel Type

Year	Coal		Residual Oil		Natural Gas		Diesel and Other Oil		Other Fuels		Totals	
	Gross Load	CO2 Mass	Gross Load	CO2 Mass	Gross Load	CO2 Mass	Gross Load	CO2 Mass	Gross Load	CO2 Mass	Gross Load	CO2 Mass
2006	79,876,883	74,482,225	17,841,866	14,216,973	76,722,461	37,048,932	3,210,697	1,984,279	941,311	445,565	178,593,218	128,177,974
2007	80,378,481	75,223,761	19,288,306	15,440,978	83,638,696	39,607,929	3,890,864	2,480,820	1,337,594	1,001,373	188,533,942	133,754,861
2008	70,378,752	67,977,062	13,590,343	10,472,201	77,326,718	37,452,817	3,456,509	2,081,110	1,359,254	1,428,256	166,111,577	119,411,446
Base	76,878,039	72,561,016	16,906,839	13,376,718	79,229,291	38,036,559	3,519,357	2,182,070	1,212,720	958,398	177,746,245	127,114,761
2009	55,736,606	57,324,247	10,904,728	7,419,112	77,140,120	40,602,093	2,612,089	1,834,159	1,040,705	1,164,165	147,434,248	108,343,776
2010	56,477,189	59,736,642	13,527,743	9,088,692	88,333,568	46,987,412	2,045,691	1,557,561	727,608	1,054,168	161,111,800	118,424,476
2011	41,629,255	43,871,136	7,458,574	5,755,660	102,588,964	51,801,174	2,027,136	1,504,451	591,395	1,751,905	154,295,324	104,684,325
2012	27,600,843	29,096,542	10,645,733	7,559,969	110,716,230	55,084,597	2,652,141	1,905,569	770,941	1,761,228	152,385,888	95,407,904
2013	30,372,792	31,759,050	7,263,391	5,441,067	97,580,676	48,973,865	2,187,134	1,599,335	782,313	1,171,191	138,186,304	88,944,508
2014	30,174,568	31,060,039	8,717,201	6,308,721	94,324,131	48,531,158	1,785,071	1,394,087	1,050,179	2,039,574	136,051,149	89,333,579
2015	22,393,732	23,279,018	8,527,440	6,271,650	102,503,061	52,983,907	1,765,839	1,335,326	1,196,944	2,280,321	136,387,016	86,150,223
2016	20,350,467	20,929,372	5,154,865	3,660,965	105,523,592	53,932,828	1,641,758	1,236,303	1,271,752	2,676,946	133,942,434	82,436,414
2017	12,596,575	13,522,351	2,286,126	1,568,617	96,632,232	49,092,154	1,492,473	1,103,075	1,175,014	2,312,145	114,182,421	67,598,342
2018	13,608,379	14,471,264	3,898,190	2,720,734	106,655,136	54,285,738	1,376,460	1,088,328	1,109,978	2,346,499	126,648,143	74,912,563

RGGI Reduction Since Average of Three Years Before Start of Program

Year	Coal		Residual Oil		Natural Gas		Diesel and Other Oil		Other Fuels		Totals		Gas Displace Coal&Residual	
	Gross Load	CO2 Mass	Gross Load	CO2 Mass	Gross Load	CO2 Mass	Gross Load	CO2 Mass	Gross Load	CO2 Mass	Gross Load	CO2 Mass	Gross Load	CO2 Mass
2009	-21,141,433	-15,236,769	-6,002,110	-5,957,606	-2,089,171	2,565,533	-907,268	-347,911	-172,015	205,767	-30,311,997	-18,770,985	-30,311,997	-18,770,985
2010	-20,400,850	-12,824,374	-3,379,095	-4,288,025	9,104,277	8,950,853	-1,473,666	-624,509	-485,112	95,770	-16,634,446	-8,690,285	-16,634,446	-8,690,285
2011	-35,248,784	-28,689,880	-9,448,265	-7,621,058	23,359,673	13,764,615	-1,492,221	-677,618	-621,325	793,507	-23,450,921	-22,430,435	-23,450,921	-22,430,435
2012	-49,277,196	-43,464,474	-6,261,106	-5,816,749	31,486,938	17,048,037	-867,216	-276,500	-441,779	802,830	-25,360,358	-31,706,857	-25,360,358	-31,706,857
2013	-46,505,247	-40,801,966	-9,643,448	-7,935,650	18,351,384	10,937,305	-1,332,223	-582,735	-430,407	212,793	-39,559,941	-38,170,253	-39,559,941	-38,170,253
2014	-46,703,471	-41,500,977	-8,189,637	-7,067,997	15,094,839	10,494,598	-1,734,286	-787,983	-162,541	1,081,176	-41,695,096	-37,781,182	-41,695,096	-37,781,182
2015	-54,484,307	-49,281,998	-8,379,399	-7,105,067	23,273,770	14,947,348	-1,753,517	-846,744	-15,776	1,321,923	-41,359,229	-40,964,538	-41,359,229	-40,964,538
2016	-56,527,572	-51,631,644	-11,751,974	-9,715,753	26,294,301	15,896,269	-1,877,598	-945,766	59,032	1,718,548	-43,803,812	-44,678,347	-43,803,812	-44,678,347
2017	-64,281,464	-59,038,665	-14,620,712	-11,808,101	17,402,941	11,055,594	-2,026,884	-1,078,994	-37,705	1,353,747	-63,563,824	-59,516,419	-63,563,824	-59,516,419
2018	-63,269,660	-58,089,751	-13,008,649	-10,655,984	27,425,844	16,249,179	-2,142,897	-1,093,742	-102,741	1,388,101	-51,098,103	-52,202,198	-51,098,103	-52,202,198

RGGI Percentage Reduction Since Average of Three Years Before Start of Program

Year	Coal		Residual Oil		Natural Gas		Diesel and Other Oil		Other Fuels		Totals	
	Gross Load	CO2 Mass	Gross Load	CO2 Mass	Gross Load	CO2 Mass	Gross Load	CO2 Mass	Gross Load	CO2 Mass	Gross Load	CO2 Mass
2009	-27.5%	-21.0%	-35.5%	-44.5%	-2.6%	6.7%	-25.8%	-15.9%	-14.2%	21.5%	-17.1%	-14.8%
2010	-26.5%	-17.7%	-20.0%	-32.1%	11.5%	23.5%	-41.9%	-28.6%	-40.0%	10.0%	-9.4%	-6.8%
2011	-45.9%	-39.5%	-55.9%	-57.0%	29.5%	36.2%	-42.4%	-31.1%	-51.2%	82.8%	-13.2%	-17.6%
2012	-64.1%	-59.9%	-37.0%	-43.5%	39.7%	44.8%	-24.6%	-12.7%	-36.4%	83.8%	-14.3%	-24.9%
2013	-60.5%	-56.2%	-57.0%	-59.3%	23.2%	28.8%	-37.9%	-26.7%	-35.5%	22.2%	-22.3%	-30.0%
2014	-60.8%	-57.2%	-48.4%	-52.8%	19.1%	27.6%	-49.3%	-36.1%	-13.4%	112.8%	-23.5%	-29.7%
2015	-70.9%	-67.9%	-49.6%	-53.1%	29.4%	39.3%	-49.8%	-38.8%	-1.3%	137.9%	-23.3%	-32.2%
2016	-73.5%	-71.2%	-69.5%	-72.6%	33.2%	41.8%	-53.4%	-43.3%	4.9%	179.3%	-24.6%	-35.1%
2017	-83.6%	-81.4%	-86.5%	-88.3%	22.0%	29.1%	-57.6%	-49.4%	-3.1%	141.3%	-35.8%	-46.8%
2018	-82.3%	-80.1%	-76.9%	-79.7%	34.6%	42.7%	-60.9%	-50.1%	-8.5%	144.8%	-28.7%	-41.1%