



# Department of Environmental Protection

## New Jersey Statewide Greenhouse Gas Emissions Inventory Update: 2009 Estimates (2012 Edition)

**Table 1. Estimated NJ Greenhouse Gas Emissions, 2005-2009 (100-year GWP)**

Values are in million metric tons CO<sub>2</sub>e.

SECTOR	1990	2005	2006	2007	2008	2009	Notes
<b>ENERGY</b>							
Commercial	10.7	10.8	9.2	10.6	10.2	10.8	
Industrial	19.8	17.3	16.3	15.9	13.9	10.6	
Residential	15.2	16.3	13.7	15.6	14.9	15.2	
<b>Transportation</b>							
On-Road Gasoline	28.9	38.0	38.1	39.0	38.2	37.3	
Distillate	5.6	10.8	10.8	11.4	9.9	7.9	
Jet Fuel	1.0	1.0	1.0	1.0	1.0	1.0	*1
Residual Fuel	1.0	0.9	0.8	0.8	0.8	0.8	*2
Other	0.4	0.3	0.3	0.3	0.3	0.3	*2
<b>Electricity</b>							
In-State Electric	12.4	19.8	18.5	22.7	19.1	15.0	*3
Imported Electric	14.1	13.1	11.7	11.9	10.0	7.7	
MSW Incineration	n/a	0.8	0.8	1.0	0.8	0.8	



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SECTOR	1990	2005	2006	2007	2008	2009	Notes
<b>NON-ENERGY</b>							
Halogenated Gases (excl. SF <sub>6</sub> )	0.0	3.0	3.2	3.2	3.3	3.4	
SF <sub>6</sub>	1.0	0.4	0.3	0.3	0.3	0.3	
Agriculture	0.6	0.5	0.5	0.5	0.5	0.5	*4
Natural Gas Transmission & Distribution	2.5	2.4	2.6	2.6	2.6	2.5	
<b>Landfills</b>							
In-State	11.7	3.6	3.5	3.5	3.4	3.3	
Out-of-State	2.6	1.0	1.0	1.1	1.1	1.1	*8
Industrial	1.1	0.3	0.2	0.2	0.2	0.2	
POTWs	0.2	0.2	0.2	0.2	0.2	0.2	*5
Released through Land Clearing	0.6	1.7	1.7	1.7	1.1	0.6	*9
Other Industrial and Non-Fuel Related	0.3	0.1	0.1	0.1	0.1	0.1	*4
<b>TOTAL GROSS EMISSIONS</b>	129.6	142.2	134.6	143.6	131.9	119.7	
<b>Sequestered</b>	-4.0	-7.6	-7.6	-7.6	-7.6	-7.6	*7
<b>TOTAL NET EMISSIONS</b>	125.6	134.7	127.0	136.0	124.4	112.1	*6



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#### Notes:

Reference 1 is NJ GHG Inventory & Reference Case Projections 1990-2020, NJDEP, Nov. 2008

All numbers are estimates; uncertainty of totals is likely in range of plus or minus 5 percent

\*1 set equal to 1 MMT in effort to account for in-state only

\*2 estimated to represent in-state only per methods of Ref. 1, assumed same 2005 thru 2009

\*3 1990 value from Ref. 1, includes MSW incineration.

\*4 2005 value from Ref. 1; 2006, 2007, 2008, 2009, assumed equal to 2005

\*5 earlier values have been adjusted; assumed equal to newly-calculated value for 2008 & 2009

\*6 See Appendix A for Baseline Adjustments for 1990 and 2006

\*7 assumed equal throughout 2005-2009 period

\*8 2009 value assumed equal to 2008

\*9 9 value assumed less in 2008 and 2009 in proportion to decrease in number of building permits issued that year

MSW - municipal solid waste

SF<sub>6</sub> - sulfur hexafluoride

T&D - transmission and distribution

MMT - million metric tons

POTW - Publicly Owned Treatment Works

CO<sub>2</sub>e - carbon dioxide equivalent