



Department of Environmental Protection

2008 Update to New Jersey's Statewide Greenhouse Gas Emission Inventory (2011 Edition)

Table 1. Estimated NJ Greenhouse Gas Emissions, 2005-2008 (100-year GWP)

Values are in million metric tons CO₂e.

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



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NON-ENERGY						
Halogenated Gases (excl. SF ₆)	0.0	2.9	3.0	3.1	3.2	
SF ₆	1.0	0.3	0.3	0.3	0.3	
Agriculture	0.6	0.5	0.5	0.5	0.5	*4
Natural Gas Transmission & Distribution	2.5	2.4	2.6	2.6	2.6	
Landfills						
In-State	11.7	3.6	3.5	3.5	3.4	
Out-of-State	2.6	1.0	1.0	1.1	1.1	
Industrial	1.1	0.3	0.2	0.2	0.2	
POTWs	0.2	0.2	0.2	0.2	0.2	*5
Released through Land Clearing	0.6	1.7	1.7	1.7	1.7	*5
Other Industrial and Non-Fuel Related	0.3	0.1	0.1	0.1	0.1	*4
TOTAL GROSS EMISSIONS	129.6	142.1	134.4	143.4	132.5	
Sequestered	-4.0	-7.6	-7.6	-7.6	-7.6	*5
TOTAL NET EMISSIONS	125.6	134.5	126.8	135.9	124.9	

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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, assumed equal to 2005

*5 earlier values have been adjusted; See Appendix A for Baseline Adjustments for 1990 and 2006

MSW - municipal solid waste

SF₆ - sulfur hexafluoride

T&D - transmission and distribution

MMT - million metric tons

POTW - Publicly Owned Treatment Works

CO₂e - carbon dioxide equivalent

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