

Revised 1990 Emissions Data for Vermont

Source	GHG (Greenhouse Gas)	GWP (Global Warming Potential)	Calculation Source	GHG Emissions MTCE (Metric tons Carbon Equivalents)	Percent of inventory total
FOSSIL FUEL COMBUSTION					
-Residential	CO ₂	1	VT APCD, 4/02	351,079	18.5%
-Commercial	CO ₂	1	VT APCD, 4/02	131,266	6.9%
-Industrial	CO ₂	1	VT APCD, 4/02	130,768	6.9%
-Transportation	CO ₂	1	VT APCD, 4/02	816,854	} → 44.9%
	CH₄	21	VT APCD, 4/02	3,835	
	N₂O	310	VT APCD, 4/02	32,045	
-Electric Utility	CO ₂	1	VT APCD, 4/02	15,750	
BIOMASS COMBUSTION	CO ₂	1	VT DPS, 9/94	187,582	9.9%
LANDFILLS	CH ₄	21	VT DPS with new GWP applied by VT APCD	74,266	3.9%
DOMESTIC LIVESTOCK & MANAGED WILDLIFE	CH ₄	21	VT APCD, 4/02	167,883	8.9%
ANIMAL MANURE	CH ₄	21	VT DPS with new GWP applied by VT APCD	2,824	0.15%
NITROGEN FERTILIZER USAGE	N ₂ O	310	VT DPS with new GWP applied by VT APCD	920	0.05%
LAND USE CHANGES					
-New Forest Growth	CO ₂	1	VT DPS with new GWP applied by VT APCD	-19,457	-1%
-Wetland Drainage	CO ₂	1	VT DPS with new GWP applied by VT APCD	1	} → -0.0009%
	CH ₄	21		-19	
ESTIMATE:				1,895,597	100%

Note 1: All calculations performed by VT APCD follow 1998 EPA EIIP (Volume 8) methodology. Modified VT DPS calculations utilize the "Base Estimate", Table 1.1 "Vermont GHG Emissions Estimates for 1990."

Note 2: To calculate GHG emissions as CO₂ equivalents (TCDE), multiply MTCE by 44/12.

(Total Emissions = 6,950,522 metric tons CO₂ or 7,659,475 short tons CO₂)

Note 3: Other potential emission sources to evaluate include: CH₄ & N₂O from waste water, and stationary combustion (coal, oil, gas, wood).