

MIT Greenhouse Inventory Data - Basic Spreadsheet (2014-2017)

MIT Building Energy Use

		Unit	2014	2015	2016	2017
Buildings Supplied by the Central Utilities Plant	Electricity (Purchased)	kWh	87,445,993	80,490,556	117,065,854	148,300,987
	Oil #6	Gallons	1,044,703	1,226,880	-	-
	Oil #2	Gallons	779,501	665,373	19,700	20,000
	Natural Gas	CCF	24,948,560	22,950,922	23,863,434	21,120,802
Buildings Not Supplied by the Central Utility Plant	Electricity	kWh	28,130,477	28,315,832	29,092,887	29,424,434
	Oil #2	Gallons	2,407	2,431	2,239	3,085
	Natural Gas	CCF	858,000	855,264	795,585	922,270
Summit Farms Solar Power Purchase as Off-Set	Zero-Emission Electricity (Purchased)	kWh				(51,878,000)

MIT Greenhouse Gas Emissions

	BY CATEGORY	Unit	2014	2015	2016	2017
All Inventory Emissions	MIT Owned Buildings	MTCO2e	204,177	191,768	187,848	186,780
	Fleet Vehicles	MTCO2e	1,150	1,151	1,007	1,094
	Fugitive Process Gases	MTCO2e	4,000	4,000	3,423	5,655
	Leased Buildings	MTCO2e	4,101	4,101	5,759	4,865
	BY TYPE					
	MIT Owned Buildings: Fuels	MTCO2e	161,579	151,665	134,913	120,635
	Fleet Vehicles	MTCO2e	1,150	1,151	1,007	1,094
	Fugitive Process Gases	MTCO2e	4,000	4,000	3,423	5,655
	Buildings: Purchased Electricity	MTCO2e	38,765	36,494	48,086	60,249
	T&D Losses from Purchased Electricity	MTCO2e	3,834	3,609	4,848	5,895
	Leased Buildings	MTCO2e	4,101	4,101	5,759	4,865
	BY SCOPE					
	Scope 1: Direct Emissions	MTCO2e	166,729	156,816	139,344	127,384
	Scope 2: Indirect Emissions	MTCO2e	38,765	36,494	48,086	60,249
	Scope 3: Indirect Emissions	MTCO2e	7,935	7,710	10,608	10,760
	Total Campus Emissions	MTCO2e	213,428	201,020	198,038	198,394
	Total Campus Emissions with Solar Offset	MTCO2e				179,086

Space

	BY CATEGORY	Unit	2014	2015	2016	2017
Gross Square Footage	MIT Owned Buildings	GSF	12,149,907	12,093,381	12,199,671	12,394,103
	MIT Leased Buildings	GSF	451,064	451,064	515,732	515,856

The MIT GHG Inventory is managed by the MIT Office of Sustainability and updated annually

Data sources: MIT SAP purchase detail via MIT Data Warehouse; Department of Facilities and Office of Sustainability

Reporting periods: Fiscal year (July-June), and billing period

*Building energy and emissions data is based on fiscal year. Fleet, Fugitive and Leased Building data is calendar year.



Office of Sustainability

sustainability.mit.edu/ghginventory