MIT Greenhouse Gas Emissions

BY CATEGORY	Unit	2014	2015	2016	2017	2018
MIT Owned Buildings	MTCO2e	204,177	191,768	187,848	186,780	192,982
Fleet Vehicles	MTCO2e	1,150	1,151	1,007	1,094	1,026
Fugitive Process Gases	MTCO2e	4,000	4,000	3,423	5,655	5,055
Leased Buildings	MTCO2e	4,101	4,101	5,759	4,865	4,937
BY TYPE						
MIT Owned Buildings: Fuels	MTCO2e	161,579	151,665	134,913	120,635	142,838
Fleet Vehicles	MTCO2e	1,150	1,151	1,007	1,094	1,026
Fugitive Process Gases	MTCO2e	4,000	4,000	3,423	5,655	5,055
Buildings: Purchased Electricity	MTCO2e	38,765	36,494	48,086	60,249	45,675
T&D Losses from Purchased Electricity	MTCO2e	3,834	3,609	4,848	5,895	4,469
Leased Buildings	MTCO2e	4,101	4,101	5,759	4,865	4,937
BY SCOPE						
Scope 1: Direct Emissions	MTCO2e	166,729	156,816	139,344	127,384	148,918
Scope 2: Indirect Emissions	MTCO2e	38,765	36,494	48,086	60,249	45,675
Scope 3: Indirect Emissions	MTCO2e	7,935	7,710	10,608	10,760	9,406
Total Gross Campus Emissions	MTCO2e	213,428	201,020	198,038	198,394	204,000
Solar Farm Off-set (purchase + T&D loss)	MTCO2e				(19,308)	(33,040)
Total Net Campus Emissions with Solar Offset	MTCO2e				179,086	170,960
	MIT Owned Buildings Fleet Vehicles Fugitive Process Gases Leased Buildings BY TYPE MIT Owned Buildings: Fuels Fleet Vehicles Fugitive Process Gases Buildings: Purchased Electricity T&D Losses from Purchased Electricity Leased Buildings BY SCOPE Scope 1: Direct Emissions Scope 2: Indirect Emissions Scope 3: Indirect Emissions Fotal Gross Campus Emissions Solar Farm Off-set (purchase + T&D loss)	MIT Owned Buildings Fleet Vehicles Fugitive Process Gases MTCO2e Leased Buildings MTCO2e BY TYPE MIT Owned Buildings: Fuels Fleet Vehicles	MIT Owned Buildings MTCO2e 204,177 Fleet Vehicles MTCO2e 1,150 Fugitive Process Gases MTCO2e 4,000 Leased Buildings MTCO2e 4,101 BY TYPE MIT Owned Buildings: Fuels MTCO2e 161,579 Fleet Vehicles MTCO2e 1,150 Fugitive Process Gases MTCO2e 4,000 Buildings: Purchased Electricity MTCO2e 38,765 T&D Losses from Purchased Electricity MTCO2e 3,834 Leased Buildings MTCO2e 4,101 BY SCOPE Scope 1: Direct Emissions MTCO2e 38,765 Scope 2: Indirect Emissions MTCO2e 7,935 Fotal Gross Campus Emissions MTCO2e 213,428 Solar Farm Off-set (purchase + T&D loss) MTCO2e 213,428	MIT Owned Buildings MTCO2e 204,177 191,768 Fleet Vehicles MTCO2e 1,150 1,151 Fugitive Process Gases MTCO2e 4,000 4,000 Leased Buildings MTCO2e 4,101 4,101 BY TYPE MIT Owned Buildings: Fuels MTCO2e 161,579 151,665 Fleet Vehicles MTCO2e 1,150 1,151 Fugitive Process Gases MTCO2e 4,000 4,000 Buildings: Purchased Electricity MTCO2e 38,765 36,494 T&D Losses from Purchased Electricity MTCO2e 3,834 3,609 Leased Buildings MTCO2e 4,101 4,101 Scope 1: Direct Emissions MTCO2e 166,729 156,816 Scope 2: Indirect Emissions MTCO2e 7,935 7,710 Total Gross Campus Emissions MTCO2e 213,428 201,020 Solar Farm Off-set (purchase + T&D loss) MTCO2e 213,428 201,020	MIT Owned Buildings	MIT Owned Buildings

Space

	BY CATEGORY	Unit	2014	2015	2016	2017	2018
Gross Square Footage	MIT Owned Buildings	GSF	12,149,907	12,093,381	12,199,671	12,394,103	12,396,148
	MIT Leased Buildings	GSF	451,064	451,064	515,732	515,856	470,464

The MIT GHG Inventory is managed by the MIT Office of Sustainability and updated annually **Data sources:** MIT SAP purchase detail via MIT DataPool, Department of Facilities and Office of Sustainability

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

^{*}Building (all years), fleet (2018), and fugitive emissions (2018) data are based on fiscal year, other years are calendar. Leased building data is calendar year.



sustainability.mit.edu/ghginventory