

GREENHOUSE GAS INVENTORY - 2015

McGill University's greenhouse gas emissions for calendar year 2015 are shown below. The inventory was compiled following the guidelines of the GHG Protocol's *Corporate Accounting and Reporting Standard*, and includes all material Scope 1 and 2 emissions as well as select Scope 3 emissions. The 2015 inventory was re-calculated in 2017 to align with the expanded scope & methodologies of subsequent inventories.

Category	Activity	Activity Level	Unit	Emissions (tCO ₂ e)	% Total
Scope 1 (direct emissions)					
Stationary combustion	Natural gas	18,096,391	m ³	34,334	58%
	Propane	17,129	L	26	0.04%
	Heating oil	290,244	L	794	1.3%
	Diesel	34,108	L	98	0.2%
McGill-owned fleet of vehicles	Diesel vehicles	139,953	L	414	0.7%
	Gasoline vehicles	87,198	L	207	0.4%
	Propane vehicles	5,720	L	8.8	0.01%
Refrigerants & chemicals	Refrigerants	1,067	kg	1,436	2.4%
	Insulating gas	2	kg	47	0.08%
Agriculture	Livestock	6,575	heads	520	0.9%
	Fertilizers	49,225	kg	73	0.1%
Scope 1 - Total				37,958	65%
Scope 2 (energy indirect emissions)					
Purchased energy	Electricity	187,522,396	kWh	261	0.4%
	Steam	501,506	m ³	952	1.6%
	Hot water	1,469,029	m ³	2,787	4.7%
	Chilled water	164,345	kWh	0.2	0.0003%
Scope 2 - Total				4,000	6.8%
Scope 3 (indirect emissions)					
Stationary combustion	Natural gas	526,859	m ³	1,000	1.7%
	Electricity	12,606,313	kWh	14	0.02%
Commuting	Faculty & staff	11,540	staff	4,428	7.5%
	Students	31,424	students	2,277	3.9%
Third-party fleet	Macdonald shuttle	5,145,264	pass-km	176	0.3%
Air travel	Directly-financed air travel	83,532,590	pass-km	8,223	14%
	Air	1,555,960	pass-km	153	0.3%
Sports team travel	Bus	2,288,485	pass-km	78	0.1%
	Public transit	189	pass-km	1.7	0.003%
	Taxi & car	88	km	0.002	0.000004%
Water	Supply	2,243,613	m ³	167	0.3%
	Treatment	1,395,786	m ³	322	0.5%
Energy losses	Transmission & distribution	15,008,839	kWh	20	0.034%
Scope 3 - Total				16,861	29%
Total Emissions				58,819	100%
Avoided emissions from waste management					
	Recycling	344	tonnes	-1,006	-
	Composting	219	tonnes	-114	-
Avoided emissions from waste management - Total				-1,120	-
Refrigerants governed by Montreal Protocol					
	Refrigerants (e.g. R22)	186	kg	242	-