## The Basic Equation

$$2 = \times ( \times )$$

Where:

 $CO_2e$  = total greenhouse gas emissions in carbon dioxide equivalent

Index i =each activity

n = the total number of activities

= the amount of fuel (mass or volume) consumed, kWh of electricity consumed, passenger-kilometres traveled, etc., depending on the activity in question, during the reporting period

= the emissions factor for  $CO_2$ ,  $CH_4$ ,  $N_2O$  and other greenhouse gases for Activity *i*. Emissions factors are either developed in-house or published by third parties like environment ministries

= the global warming potential of  $CO_2$ ,  $CH_4$ ,  $N_2O$  and other greenhouse gases

## Greenhouse Gas Reporting at McGill

Since 2015, McGill has produced annual greenhouse gas inventories to inform targets related to sustainability efforts, emissions reduction, monitoring and reporting and compliance. Figure 1 shows which Scope 1, 2 and 3 emission sources McGill includes in its greenhouse gas inventory.

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The emissions annually to the Board of Governors as one of three strategic key performance indicators linked to progress on sustainability. Data and emissions from our inventory are also reported to mandatory and voluntary external reporting programs, including:

- Greenhouse Gas Reporting Program for GHGs run by Environment and Climate Change Canada.
  We report emissions from the Downtown campus and voluntarily report emissions for Macdonald campus.
- National Pollutant Inventory Report for airborne contaminants excluding GHGs run by Environment and Climate Change Canada. We report ∞₂ and NO₂ for the D