**Data dictionary for the greenhouse gas emissions inventory datasets**

<https://www.canada.ca/en/treasury-board-secretariat/services/innovation/greening-government/government-canada-greenhouse-gas-emissions-inventory/data-dictionary.html>

**Dataset name: Annual Data on Energy Use and Greenhouse Gas Emissions Related to Federal Facilities and Fleets, Grouped by Federal Organization and Energy Category**

**Federal organization**

Name of the federal organization

**Fiscal year**

Fiscal year for which energy use and greenhouse gas (GHG) emissions were reported

**GHG source**

Physical source of GHG emissions (facilities or fleets)

**GHG scope**

Number (1 or 2) corresponding to the emission categories, or scopes, used in GHG accounting (see definitions)

**Energy category**

Energy category label (see definitions)

**Energy use (gigajoules (GJ))**

Amount of energy consumed within the given category

**Emissions (tonnes (t))**

Emissions from the given energy use, in tonnes of carbon dioxide equivalent

**Dataset Name: Annual Data on Energy Use and Greenhouse Gas Emissions Related to Federal Facilities, Grouped by Federal Organization, Location and Energy Type**

**Greenhouse gas (GHG) source**

Physical source of GHG emissions (facilities or fleets)

**Federal organization**

Name of the federal organization

**Fiscal year**

Fiscal year for which energy use and GHG emissions were reported

**GHG scope**

Number (1 or 2) corresponding to the emission categories, or scopes, used in GHG accounting (see definitions)

**Energy category**

Energy category label (see definitions)

**Energy type**

Energy type label

**Energy use (gigajoules (GJ))**

Amount of energy consumed within the given category

**Emissions (tonnes (t))**

Emissions from the given energy use, in tonnes of carbon dioxide equivalent

**Dataset name: Annual Data on Fuel Use and Greenhouse Gas Emissions Related to Federal Fleets, Grouped by Federal Organization, Fleet Type and Fuel Type**

**Greenhouse gas (GHG) source**

Physical source of GHG emissions (facilities or fleets)

**Federal organization**

Name of the federal organization

**Fiscal year**

Fiscal year for which energy use and GHG emissions were reported

**Fleet type**

Fleet type label (see definitions)

**GHG scope**

Number (1 or 2) corresponding to the emission categories, or scopes, used in GHG accounting (see definitions)

**Energy category**

Energy category label (see definitions)

**Fuel type**

Fuel type label

**Fuel consumption (litres (L))**

Amount of the given fuel type consumed

**Energy use (gigajoules (GJ))**

Fuel consumption converted to units of energy

**Emissions (tonnes (t))**

Emissions from the given fuel consumption, in tonnes of carbon dioxide equivalent

**Dataset name: Annual Data on Energy Use Related to Individual Federal Facilities**

**Federal organization**

Name of the federal organization

**Fiscal year**

Fiscal year for which energy use was reported

**Grouping**

Optional organization-specific grouping of facilities

**Facility**

Name of facility

**Address**

Address of the facility

**City**

Municipality of the facility

**Province**

Province of the facility

**Postal Code**

Postal code of the facility

**Building floor area (square metres (m²))**

Total building floor space

**Electricity (kilowatt-hours (kWh))**

Facility electricity consumption

**Natural gas (cubic metres (m³))**

Facility natural gas consumption

**Gasoline (litres (L))**

Facility gasoline consumption

**Propane (litres (L))**

Facility propane consumption

**Heavy fuel oil (litres (L))**

Facility heavy fuel oil consumption

**Light fuel oil (litres (L))**

Facility light fuel oil consumption

**Kerosene (litres (L))**

Facility kerosene consumption

**Ethanol E10 (litres (L))**

Facility 10% ethanol blended gasoline consumption

**Ethanol E85 (litres (L))**

Facility 85% ethanol blended gasoline consumption

**Aviation gasoline (litres (L))**

Facility gasoline consumption

**Aviation turbo fuel (litres (L))**

Facility aviation turbo fuel consumption

**Biodiesel B20 (litres (L))**

Facility 20% biodiesel blended diesel consumption

**Biodiesel B5 (litres (L))**

Facility 5% biodiesel blended diesel consumption

**Compressed natural gas (litres (L))**

Facility compressed natural gas consumption

**Diesel (#2 oil) (litres (L))**

Facility diesel #2 oil consumption

**District energy - Chilled water (gigajoules (GJ))**

Facility district chilled water consumption converted to units of energy

**District energy - Hot water ((gigajoules (GJ))**

Facility district hot water consumption converted to units of energy

**District energy – Steam (gigajoules (GJ))**

Facility district steam consumption converted to units of energy

**Dataset name: Annual Data on Greenhouse Gas Emissions Related to Federal Business Air Travel**

**Federal organization**

Name of the federal organization

**Fiscal year**

Fiscal year for which greenhouse gas (GHG) emissions were reported

**Air Travel Emissions (kilotonnes (kt))**

Emissions from employee business air travel, in kilotonnes of carbon dioxide equivalent

**Dataset name: Greenhouse Gas Emissions Related to National Safety and Security Operations**

**Federal organization**

Name of the federal organization

**Fiscal year**

Fiscal year for which greenhouse gas (GHG) emissions were reported

**Aircraft Emissions (kilotonnes (kt))**

Emissions from aircraft, in kilotonnes of carbon dioxide equivalent

**Marine Emissions (kilotonnes (kt))**

Emissions from marine vessels, in kilotonnes of carbon dioxide equivalent

**Land Vehicle Emissions (kilotonnes (kt))**

Emissions from land vehicles, in kilotonnes of carbon dioxide equivalent

**Total Emissions (kilotonnes (kt))**

Sum of emissions from all vehicle types, in kilotonnes of carbon dioxide equivalent

**Definitions**

**Greenhouse gas (GHG) scope**

**1**

Direct GHG emissions produced by sources that an organization owns or controls

**2**

Indirect GHG emissions related to purchased energy (electricity, district heating and cooling) that are a consequence of an organization's activities but physically occur at sources that another organization owns or controls

**Energy category**

**Natural gas**

Comprises:

* natural gas
* compressed natural gas
* liquefied natural gas

**Liquefied petroleum gas**

Comprises:

* propane
* butane

**Gasoline**

Comprises:

* gasoline

**Fuels with renewable content**

Comprises:

* ethanol-blended gasoline (10%)
* ethanol-blended gasoline (85%)
* biodiesel (20%)

**Fuel oil (1, 2, 4, 5, 6, diesel, kerosene)**

Comprises:

* diesel
* biodiesel (5%)
* kerosene
* light fuel oil
* heavy fuel oil

**Aviation fuels**

Comprises:

* aviation gasoline
* jet fuel

**Electricity**

Comprises:

* grid-based electricity
* renewable power purchases
* renewable energy certificates (when reporting consumption in kWh, but not for tonnes of GHG emissions)

**District energy**

Comprises:

* district heating
* district cooling

**Fleet type**

**On-road vehicles**

Vehicles that operate on city roads and provincial and/or territorial highways

**Marine vessels**

Vehicles that operate on water

**Aircraft**

Fixed-wing and rotary aircraft (planes and helicopters)

**Other mobile equipment**

Off-road vehicles not included in the other three categories and any transportable equipment that consumes fuel