**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 (kilotonnes (kt))**

Emissions from the given energy use, in kilotonnes 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**

**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

**Location**

Abbreviation for the province/territory or country where the facilities contributing to the reported energy use are located

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

Amount of energy consumed within the given category

**Emissions (kilotonnes (kt))**

Emissions from the given energy use, in kilotonnes 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**

**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 (kilotonnes (kt))**

Emissions from the given fuel consumption, in kilotonnes 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

**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

**Purchased electricity from conventional grid-tied sources (kilowatt-hours (kWh))**

Facility conventional grid source electricity consumption

**Purchased electricity from clean generation sources (kilowatt-hours (kWh))**

Facility clean electricity source consumption

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

Total facility electricity consumption

**Natural gas (cubic metres (m³))**

Facility natural gas consumption

**Renewable natural gas (cubic metres (m3))**

Facility renewable natural gas consumption

**Propane (litres (L))**

Facility propane consumption

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

Facility diesel #2 oil 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

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

Facility aviation turbo fuel consumption

**Biogas (cubic metres (m3))**

Facility biogas 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

**Emissions – Electricity (kilotonnes (kt))**

Emissions from electricity consumption,in kilotonnes of carbon dioxide equivalent

**Emissions – Stationary fuels (kilotonnes (kt))**

Emissions from stationary fuels consumption, in kilotonnes of carbon dioxide equivalent

**Emissions – District energy (kilotonnes (kt))**Emissions from district energy consumption, in kilotonnes of carbon dioxide equivalent

**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

**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

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

Emissions from aircraft, in kilotonnes of carbon dioxide equivalent

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

Emissions from marine vessels, in kilotonnes of carbon dioxide equivalent

**Emissions – Land Cehicle (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