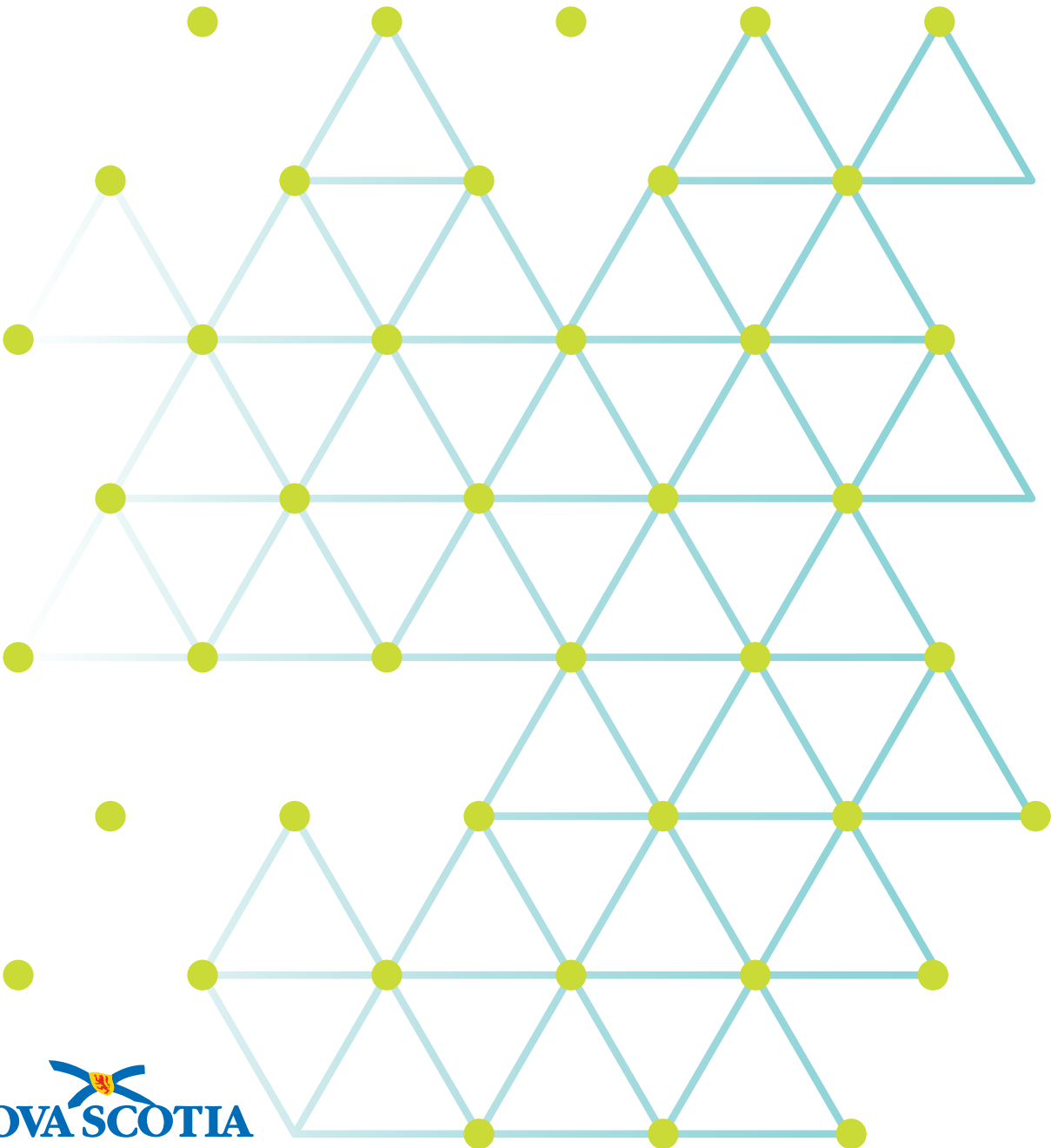


Summary of 2017 Greenhouse Gas Emissions

Reported under the Quantification, Reporting and Verification of Greenhouse Gas Emissions Regulations



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Summary of 2017 Greenhouse Gas Emissions
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In February 2018, regulations came into effect under the Environment Act for reporting greenhouse gas emissions. The Quantification, Reporting and Verification (QRV) of Greenhouse Gas Emissions Regulations and accompanying QRV Standard identify who must report, which greenhouse gas emissions they must report, and how to calculate and report them. The regulations require the following types of emitters to report their greenhouse gas emissions and get them verified by a third party:

- Facilities that generate 50,000 tonnes of greenhouse gas emissions or more per year from one or more specified activities
- Petroleum product suppliers that first place or produce 200 litres of fuel or more per year for consumption in the Nova Scotia market
- Natural gas distributors that deliver natural gas for consumption in Nova Scotia that, when combusted, produces 10,000 tonnes of greenhouse gas emissions or more per year
- Electricity importers with 10,000 tonnes of greenhouse gas emissions or more per year from imported electricity consumed in Nova Scotia.

Under the province's Cap-and-Trade Regulations, emitters that meet the thresholds noted above must participate in the Cap-and-Trade Program, which began January 1, 2019.

The public report does not include greenhouse gas emissions from all sources in the province. It only includes verified data from emitters that are subject to the QRV Regulations. The data was reported by emitters following methods outlined in the QRV standard and verified by approved third-party verification bodies. The QRV standard is reviewed and updated continuously. The reported emissions for each year follow the methods outlined in the standard; the most up-to-date version is available publicly at the reporting deadline for the given year.

The QRV Regulations require product data to be reported for specific sectors. However, it is not publicly available because it may include confidential business information. Emitters' operations change from year to year due to shutdowns, start-ups, and changes in emissions. This affects both the number of emitters in this report and the emission totals from year to year.

Facility verified GHG Emissions declared through the QRV Regulations for 2017

GHG Registry Number (GHGID)	Organization name	Facility Name	Verified Emissions (tonnes CO ₂ e) (1)
10001	ExxonMobil Canada Properties as Operator of the Sable Project	Goldboro gas plant	74,510*
10002	Kameron Coal Management Limited	Donkin mine	76,337
10003	Lafarge Canada Inc	Brookfield cement plant	172,543
10004	Northern Pulp Nova Scotia Corporation	Northern Pulp Nova Scotia	51,925
10005	Nova Scotia Power Inc.	Lingan Generating station	2,191,342*
10006	Nova Scotia Power Inc.	Point Aconi Generating station	1,188,377
10007	Nova Scotia Power Inc.	Point Tupper Generating station	885,357
10008	Nova Scotia Power Inc.	Trenton Generating station	1,634,346*
10009	Nova Scotia Power Inc.	Tufts Cove Generating station	839,567
Total			7,114,304*

* Minor revisions in calculation of total greenhouse gases from reports and revisions after verification led to updated values. Each year, Nova Scotia Environment will update the Public Report to include the most accurate information at the time of publishing which may include changes to previous year's values.

(1) The GHG emissions by facility calculated using methods currently applicable in the Standards for Quantification, Reporting, and Verification of Greenhouse Gas emissions. Only the emissions which must be verified by the facility emitters covered by the QRV Regulation have been reported.

GHG emissions from volumes of fuel declared by the fuel supplier emitters covered by the QRV Regulation for 2017

Fuel	Cumulative Verified GHG Emissions from Fuel suppliers by fuel type (tonnes CO2e) (2)
Automotive Gasoline	3,209,861*
Diesels	2,156,726*
Light fuel oils (No. 1,2)	829,367
Heavy fuel oils (No. 3, 4, 5, 6)	X
Propane	235,083
Natural gas	X
Total	6,971,669*

* Clarification to the QRV Regulations on how inter-refinery agreements are treated and reported led to revision of emissions associated to automotive gasoline and diesels. Each year, Nova Scotia Environment will update the Public Report to include the most accurate information at the time of publishing which may include changes to previous years values.

x- In order to preserve data confidentiality, GHG emissions are not posted for fuel categories which include a limited number of participants

(2) The GHG emissions by type of fuel have been calculated using the emission factors applicable in the year of reporting, in the QRV Standard using the volumes declared by fuel supplier emitters and verified by a third party. Only the emissions which must be verified by the fuel supplier emitters covered by the QRV Regulation have been reported.

2017 Fuel supplier Emitters covered by the QRV Regulation having declared volumes of fuel

GHG Registry Number (GHGID)	Fuel Suppliers (Petroleum product suppliers)
20001	Canadian National Railway
20003	Cape D'or Holdings Limited
20005	Elbow River Marketing Ltd.
20006	ExxonMobil Canada Properties as Operator of the Sable Project
20007	Highlands Fuel Delivery G.P.
20008	Imperial Oil
20009	Irving Oil Commercial G.P.
20010	Irving Oil Marketing G.P.
20011	NGL Supply Co. Ltd.
20012	Parkland Fuel Corporation
20013	Pepco Atlantic Inc
20014	Plains Midstream Canada ULC
20015	Sobeys Atlantic Fuel Co.
20016	Suncor Energy Products Partnership
20017	Superior Plus LP
20018	Valero Energy Inc.
20019	Wilson Fuel Company Limited

GHG Registry Number (GHGID)	Fuel Suppliers (Natural gas distributors)
30001	Maritimes & Northeast Pipeline, L.P.
30002	Heritage Gas Limited
30003	Irving Oil Commercial G.P.