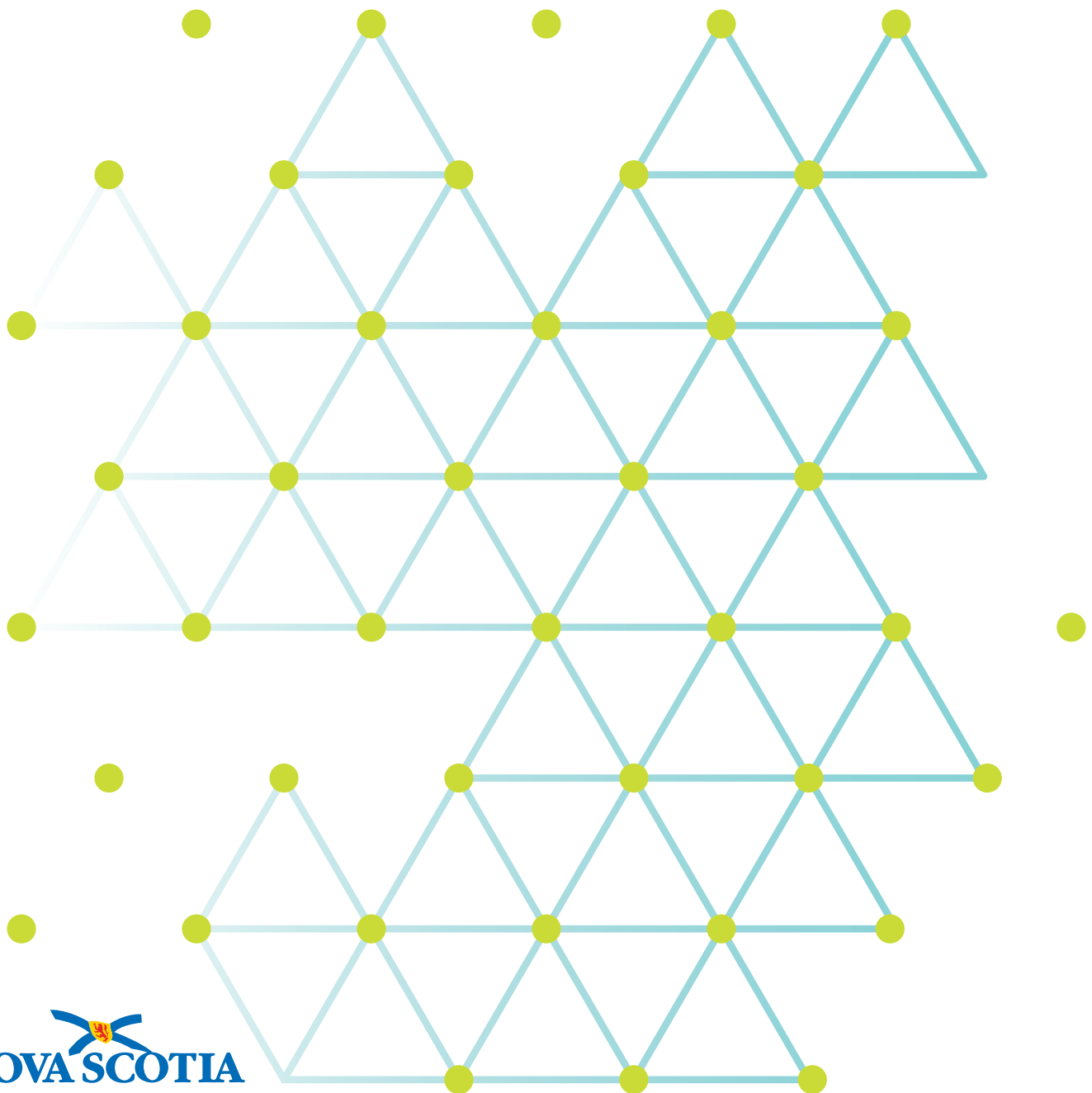


# Summary of 2019 Greenhouse Gas Emissions

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



© Crown copyright, Province of Nova Scotia, 2021  
Summary of 2019 Greenhouse Gas Emissions  
Department of Environment  
January 2021  
ISBN: 978-1-77448-107-3

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.

This 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 and the reported emissions for each year follow the methods outlined in the version of the standard 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.

This report includes data for 2019 GHG emissions.

**Facility verified GHG Emissions declared through the QRV Regulations for 2019**

<b>GHG Registry Number (GHGID)</b>	<b>Organization name</b>	<b>Facility Name</b>	<b>Verified Emissions (tonnes CO2e) (1)</b>
10001	ExxonMobil Canada Properties as Operator of the Sable Project	Goldboro gas plant	<b>36,653</b>
10003	Lafarge Canada Inc	Brookfield cement plant	<b>67,012</b>
10004	Northern Pulp Nova Scotia Corporation	Northern Pulp Nova Scotia	<b>55,032</b>
10005	Nova Scotia Power Inc.	Lingan Generating station	<b>2,472,196</b>
10006	Nova Scotia Power Inc.	Point Aconi Generating station	<b>1,022,463</b>
10007	Nova Scotia Power Inc.	Point Tupper Generating station	<b>803,829</b>
10008	Nova Scotia Power Inc.	Trenton Generating station	<b>1,473,225</b>
10009	Nova Scotia Power Inc.	Tufts Cove Generating station	<b>775,824</b>
<b>Total</b>			<b>6,706,234</b>

(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 2019**

<b>Fuel</b>	<b>Cumulative Verified GHG Emissions from Fuel suppliers by fuel type (tonnes CO<sub>2</sub>e) (2)</b>
Automotive Gasoline	3,175,534
Diesels	1,699,823
Light fuel oils (No. 1,2)	1,306,932
Heavy fuel oils (No. 3, 4, 5, 6)	X
Propane	257,438
Natural gas	X
<b>Total</b>	<b>6,991,179</b>

(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. The total in this category represents the sum of the total emissions from the fuel supplier emitters rounded up to the next whole number.

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

**GHG emissions from electricity importers covered by the QRV Regulation for 2019**

	<b>Verified GHG Emissions from Electricity imports (tonnes CO<sub>2</sub>e) (3)</b>
Electricity imports	<b>31,406</b>

(3) Total annual amount of greenhouse gas emissions in tonnes of CO<sub>2</sub>e for electricity imported is calculated using the emission factors, methods and adjustment factors obtained from tables and formulas available in the QRV standard

**2019 Fuel supplier Emitters covered by the QRV Regulation having declared volumes of fuel**

<b>GHG Registry Number (GHGID)</b>	<b>Fuel Suppliers (Petroleum product suppliers)</b>
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 Corporation
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
20020	Canadian Enterprise Gas Products Ltd.
20021	Suncor Energy Marketing Inc.
20022	Sterling Fuel Limited
20023	Scotia Propane Ltd.
20025	Kiros Energy Marketing ULC
20026	Supreme Tank Inc.
<b>GHG Registry Number (GHGID)</b>	<b>Fuel Suppliers (Natural gas distributors)</b>
30001	Maritimes & Northeast Pipeline, L.P
30002	Heritage Gas Limited
30003	Irving Oil Commercial G.P.

**Electricity importers covered by the QRV having declared GHG emissions associated with imported electricity**

<b>GHG Registry Number (GHGID)</b>	<b>Electricity Importer</b>
40001	Nova Scotia Power Inc.