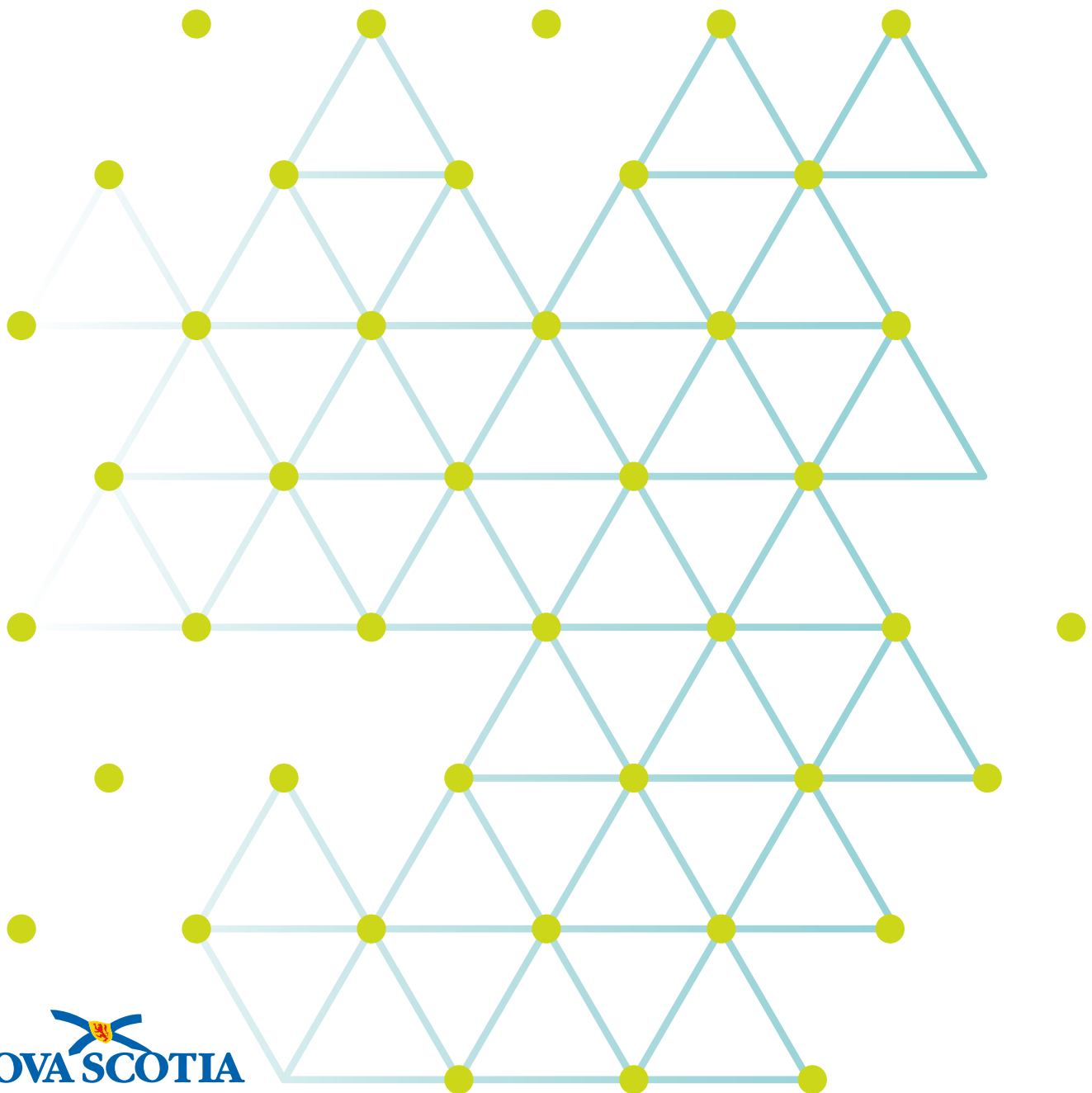


Summary of 2017 Greenhouse Gas Emissions

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



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Summary of 2017 Greenhouse Gas Emissions
Department of Environment
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Introduction

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 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.

In September 2018, these emitters submitted their verified data from 2017 to Nova Scotia Environment. This report summarizes their data.

Notes

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 represents the majority of greenhouse gas emissions in the province.

Greenhouse gas emission data in this report are calculated using methods applicable in the QRV Standard. The data was reported by emitters and verified by approved third-party verification bodies.

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.

While emissions reporting is linked to the Cap-and-Trade Program, the requirement to report is under the QRV Regulations. It is not a requirement of the program itself. Also, the emissions totals in this report do not equal the number of allowances that emitters will need to comply with the program.

Emitters' operations change from year to year due to shutdowns, start-ups, and changes in emissions. This can affect who is required to report their greenhouse gas emissions. It affects both the number of emitters in this report and the emission totals from year to year.

Greenhouse gas emissions reported by facilities

GHG emissions reporting ID	Organization name	Facility name	Verified emissions (tonnes CO₂e)
10001	ExxonMobil Canada Properties as Operator of the Sable Project	Goldboro gas plant	72,925
10002	Kameron Coal Management Limited	Donkin mine	76,337
10003	Lafarge Canada Inc	Brookfield cement plant	172,544
10004	Northern Pulp Nova Scotia Corporation	Northern Pulp Nova Scotia	51,925
10005	Nova Scotia Power Inc.	Lingan generating station	2,156,334
10006	Nova Scotia Power Inc.	Point Aconi generating station	1,188,377
10007	Nova Scotia Power Inc.	Point Tupper generating station	885,178
10008	Nova Scotia Power Inc.	Trenton generating station	1,620,421
10009	Nova Scotia Power Inc.	Tufts Cove generating station	839,512
Total			7,063,553

Greenhouse gas emissions reported by fuel suppliers

Fuel	Verified emissions (tonnes CO₂e)
Automotive gasoline	3,101,339
Diesels	2,126,650
Light fuel oils (No. 1,2)	810,728
Heavy fuel oils (No. 3, 4, 5, 6)	X
Propane	219,690
Natural gas	X
Total	6,799,039

X In order to preserve data confidentiality, greenhouse gas emissions are not posted for fuel categories with a limited number of participants.

Fuel suppliers required to report in 2018

**GHG
emissions
reporting
ID**

Petroleum product suppliers

20001	Canadian National Railway
20002	Canadian Tire Corporation, Limited
20003	Cape D'or Holdings Limited
20004	CST Canada Co.
20005	Elbow River Marketing Ltd.
20006	ExxonMobil Canada Properties as Operator of the Sable Project
20007	Highlands Fuel Delivery GP
20008	Imperial Oil
20009	Irving Oil Commercial GP
20010	Irving Oil Marketing GP
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

Natural gas distributors

30001	Maritimes & Northeast Pipeline, LP
30002	Heritage Gas Limited
30003	Irving Oil Commercial GP