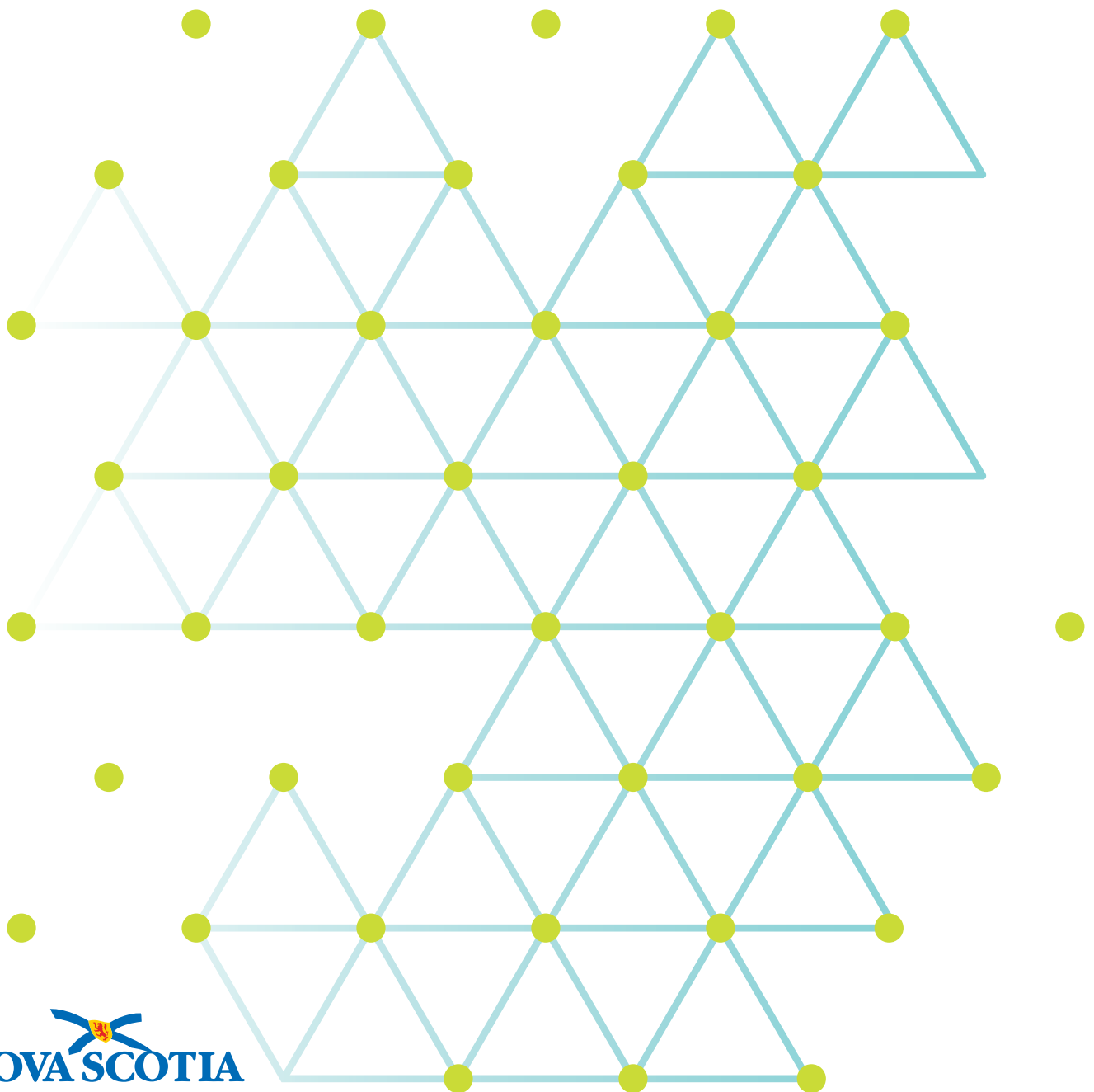


# Summary of 2021 Greenhouse Gas Emissions

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



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Summary of 2021 Greenhouse Gas Emissions  
Department of Environment and Climate Change  
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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 Regulations* (QVR Regulations) and accompanying QVR Standard identify who must report greenhouse gas emissions, 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 have 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 Program Regulations*, emitters that meet the thresholds noted above must participate in the Cap-and-Trade Program which began on 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 QVR Regulations. The data was reported by emitters following methods outlined in the QVR Standard and verified by approved third-party verification bodies. The QVR Standard is reviewed and updated as needed and the reported emissions for each year follow the methods outlined in the version of the QVR Standard available publicly at the reporting deadline for the given year.

The QVR Regulations require production data to be reported for specific sectors. That information is not made public as 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 emissions totals from year-to-year.

This report includes data for 2021 greenhouse gas emissions.

**Verified facility GHG Emissions declared through the QRV Regulations for 2021**

<b>GHG Registry Number (GHGID)</b>	<b>Organization name</b>	<b>Facility Name</b>	<b>Verified Emissions (tonnes CO<sub>2</sub>e) <sup>(1)</sup></b>
10003	Lafarge Canada Inc	Brookfield cement plant	75,705
10004	Northern Pulp Nova Scotia Corporation	Northern Pulp Nova Scotia	-
10005	Nova Scotia Power Inc.	Lingan Generating station	2,636,911
10006	Nova Scotia Power Inc.	Point Aconi Generating station	613,937
10007	Nova Scotia Power Inc.	Point Tupper Generating station	743,905
10008	Nova Scotia Power Inc.	Trenton Generating station	1,067,300
10009	Nova Scotia Power Inc.	Tufts Cove Generating station	994,346
<b>Total</b>			<b>6,132,104</b>

(1) The greenhouse gas emissions for each facility have been calculated using the methods applicable in the QRV Standard for the year of reporting and have been verified by a third party. Only the emissions which must be verified by the facility emitters covered by the QRV Regulations have been reported. The total in this category represents the sum of the total emissions from the facility emitters and is rounded up to the nearest whole number.

**Greenhouse gas emissions from volumes of fuel declared by the fuel supplier emitters covered by the QRV Regulations for 2021**

<b>Fuel</b>	<b>Cumulative Verified GHG Emissions from Fuel suppliers by fuel type (tonnes CO<sub>2</sub>e) <sup>(2)</sup></b>
Automotive Gasoline	3,066,117
Diesels	1,756,629
Light fuel oils (No. 1,2)	1,119,060
Heavy fuel oils (No. 3, 4, 5, 6)	x
Propane	257,274
Natural gas	x
<b>Total</b>	<b>6,714,401</b>

(2) The greenhouse gas emissions by type of fuel have been calculated using the methods applicable in the QRV Standard for the year of reporting and have been verified by a third party. Only the emissions which must be verified by the fuel supplier emitters covered by the QRV Regulations have been reported. The total in this category represents the sum of the total emissions from each type of fuel and is rounded up to the nearest whole number.

x- To preserve data confidentiality, greenhouse gas 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 2021**

	<b>Verified GHG Emissions from Electricity imports (tonnes CO<sub>2</sub>e) <sup>(3)</sup></b>
Electricity imports	<b>50,458</b>

(3) The greenhouse gas emissions for electricity imports have been calculated using the methods applicable in the QRV Standard for the year of reporting and has been verified by a third party.

**2021 Fuel supplier emitters covered by the QRV Regulations having declared volumes of fuel**

<b>GHG Registry Number (GHGID)</b>	<b>Fuel Suppliers (Petroleum product suppliers)</b>
20001	Canadian National Railway Company
20003	Cape D'or Holdings Limited
20005	Elbow River Marketing Ltd.
20007	Irving Energy Distribution and Marketing (Highland)
20008	Imperial Oil
20009	Irving Oil Commercial G.P.
20010	Irving Oil Marketing G.P.
20011	NGL Supply Co. Ltd.
20012	Parkland Fuel Corporation
20014	Plains Midstream Canada ULC
20015	Sobeys Capital Incorporated
20016	Suncor Energy Products Partnership
20017	Superior Gas Liquids & Superior Propane
20018	Valero Energy inc.
20019	Wilson Fuel Company Limited
20020	Canadian Enterprise Gas Products Ltd.
20021	Suncor Energy Marketing Inc.
20023	Scotia Propane Limited
20025	KIROS Energy Marketing ULC
20026	Supreme Tank Inc
20027	Kildair services
20028	Nova Scotia Power Inc. Tufts cove fuel supplier
<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 Regulations having declared greenhouse gas emissions associated with imported electricity**

GHG Registry Number (GHGID)	Electricity importer
40001	Nova Scotia Power Inc.