

2024 Atmospheric Emissions Table



	CANADA	UNITED STATES	FRANCE	UNITED KINGDOM	2024
Greenhouse gas emissions (GHG) In tonnes CO₂e					
Total Greenhouse gas emissions (in tonnes CO ₂ e)	12,146	11,374	65,112	330	88,962
Greenhouse gas emissions - Scope 1 (in tonnes CO ₂ e)	756	231	337	6	1,330
Greenhouse gas emissions - Scope 2 (in tonnes CO ₂ e)	15	1,708	65	1	1,789
Greenhouse gas emissions - Scope 3 (in tonnes CO ₂ e)	11,375	9,435	64,710	323	85,843
Scope 3-1 Purchased Goods & Services	9,758	7,898	9,588	249	27,493
Scope 3-2 Capital Goods	0	0	51,187	0	51,187
Scope 3-3 Fuel- and Energy-Related Activities Not Included in Scope 1 or Scope 2	395	969	322	1	1,687
Scope 3-4 Transportation and Distribution	0	0	2,679	0	2,679
Scope 3-5 Waste Generated in Operations	379	224	244	12	859
Scope 3-6 Business Travel	521	214	74	40	849
Scope 3-7 Employee Commuting	322	130	616	21	1,089
Scope 3-8 Upstream Leased Assets	0	0	0	0	0
Scope 3-9 Downstream Transportation and Distribution	0	0	0	0	0
Scope 3-10 Processing Sold Products	0	0	0	0	0
Scope 3-11 Used of Sold Products	0	0	0	0	0
Scope 3-12 End-of-Life Treatment of Sold Products	0	0	0	0	0
Scope 3-13 Downstream Leased Assets	0	0	0	0	0
Scope 3-14 Franchises	0	0	0	0	0
Scope 3-15 Investments	0	0	0	0	0
Air Pollutants In kg					
Sulfur oxides (SO ₂)	61	21	4	0	86
Nitrogen oxides (NOx)	1,400	199	471	9	2,079
Carbon monoxide (CO)	5,640	2,588	1,636	4	9,868
Total Raw Materials (TRM)	42	5	44	0	91
Volatile Organic Compounds (VOC)	372	157	170	0	699

The atmospheric pollutant values represent all Boralex activities (construction, maintenance, operation). Our electricity generation activities produce minimal atmospheric emissions, as the operation of wind and solar facilities does not involve any combustion processes. This is based on life cycle analyses of wind and solar technologies published by the National Renewable Energy Laboratory (NREL) and the Department of Energy (DOE).

NREL, Life Cycle Greenhouse Gas Emissions from Electricity Generation, NREL/TP-6A20-80580, 2021. Available online: <https://docs.nrel.gov/docs/fy21osti/80580.pdf>
NREL, Environmental Performance Report, NREL/TP-6A20-82651, 2022. Available online: <https://docs.nrel.gov/docs/fy22osti/82651.pdf>

The calculations were performed using combined data and includes 100% of the subsidiaries controlled by Boralex. Scope 3 emissions were calculated based on the Greenhouse Gas Protocol: A Corporate Accounting and Reporting Standard (GHG Protocol) (2004) and in accordance with ISO 14064-1. Electricity consumption is calculated on a market-based basis. The data presented has been rounded to the nearest whole number, which may result in slight differences in the totals.