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Air pollutant emissions from transportation, off-road vehicles and mobile equipment

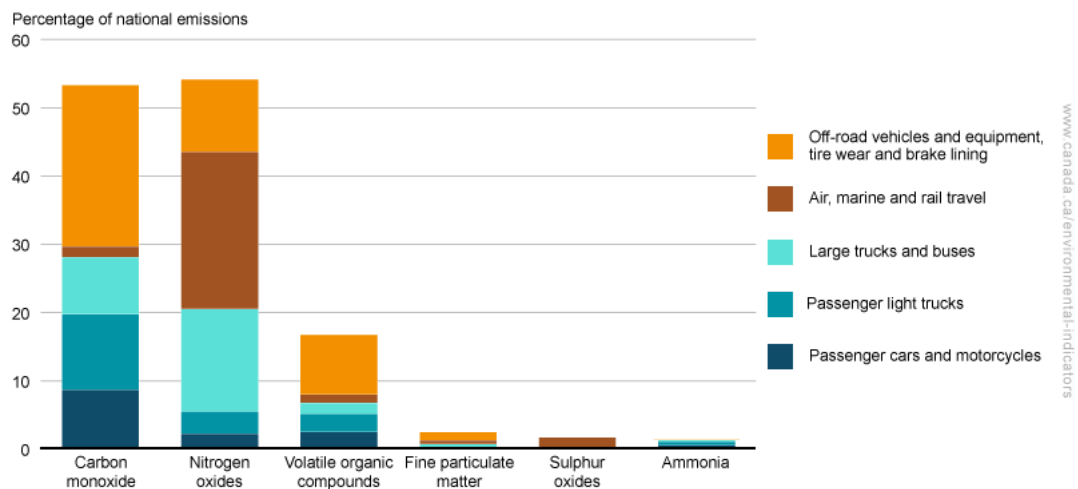
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Transportation, off-road vehicles and mobile equipment are one of the largest sources of air pollutants in Canada. Burning fossil fuels to power vehicles and engines causes emissions of many air pollutants. Air pollutants are responsible for the formation of fine particulate matter, ozone, smog and acid rain. They also adversely affect human health, the environment and the economy.

Key results

- In 2015, transportation, off-road vehicles and mobile equipment accounted for more than half of total national emissions of [carbon monoxide](#) (CO) and [nitrogen oxides](#) (NO_x). It also accounted for 17% of total emissions of [volatile organic compounds](#) (VOCs).
- While also a source of emissions of other pollutants, the sectors represent less than 5% of total national emissions of these other pollutants.

Contribution of transportation, off-road vehicles and mobile equipment to national air pollutant emissions by transportation mode, Canada, 2015



► [Long description](#)

► [Data for this chart](#)

[How this indicator was calculated](#)

Note: "Passenger cars and motorcycles" include light-duty vehicles powered by motor gasoline, diesel, liquefied petroleum gas and compressed natural gas engines as well as all types of motorcycles. "Passenger light trucks" include light-duty trucks powered by motor gasoline, diesel, liquefied petroleum gas and compressed natural gas engines. "Large trucks and buses" include heavy-duty trucks powered by motor gasoline, diesel, liquefied petroleum gas and compressed natural gas engines.

Source: Environment and Climate Change Canada (2017) [Air Pollutant Emission Inventory](#).

► [More information](#)

► [Changes in emissions from transportation, off-road vehicles and mobile equipment](#)

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Related links

- [Air pollutant emissions from the transportation sector](#)

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- 1 Off-road vehicles and mobile equipment include airport ground support equipment, commercial equipment (such as forklifts and ice resurfacers), farming, construction, forestry and mining equipment, industrial equipment, lawn and garden equipment, railway maintenance equipment, and recreational equipment and recreational marine equipment.
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