

Transforming the future — Vale in Canada

Vale's global Base Metals business, headquartered in Toronto, Canada, is one of the world's largest producers of low carbon, responsibly sourced nickel, copper, cobalt and platinum group metals. In Canada, the U.K., Brazil, Japan and Indonesia we produce the metals that are critical to building a cleaner and greener future.

Vale's Economic Contribution to Canada:

Vale is proud to call Canada home – investing in safe, responsible, and sustainable mining that contributes to a strong Canadian economy.

GDP Direct & Indirect Contribution:

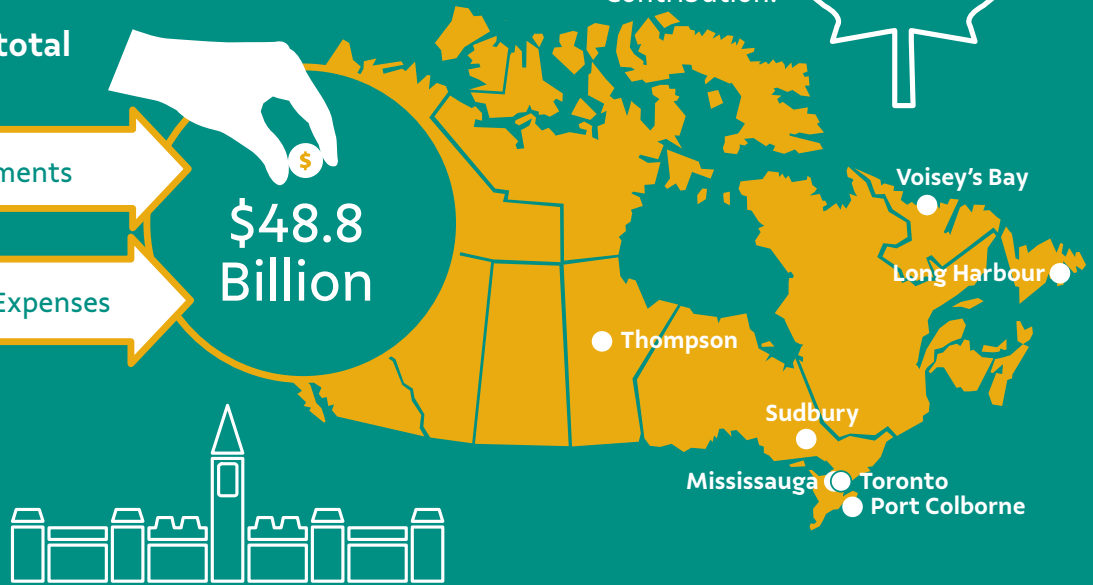


Over the last 12 years, total investment in Canada:

\$15.5B Capital Investments

\$33.3B Operating Expenses

\$48.8 Billion



Government Revenue:
\$9.8 Billion



Employment Legacy:

We are proud to provide stable, well-paying jobs in the communities where we operate, employing a team of dedicated, high-performing people.

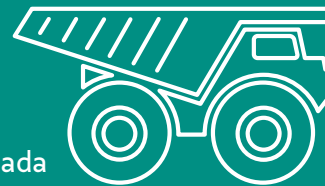


in labour income over the past 12 years.

Job Creation:

24,700

Jobs/year across Canada



*Annual average jobs created directly and indirectly over the past 12 years.

In 2020:

Vale directly employed:

6,170

people across Canada



\$1.08B

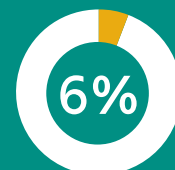
in total wages



Average salary

116%

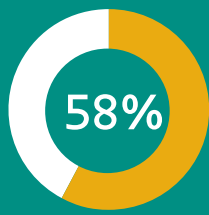
more than the average salary in Canada



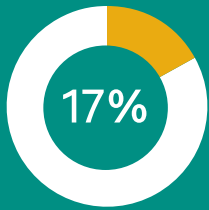
Vale's direct share of Canada's mining sector GDP

Production Contribution:

Our Base Metals operations help Canada rank as the 6th largest nickel-producing country and the 11th largest copper-producing country in the world.



of all nickel produced in Canada in 2020



of all copper produced in Canada in 2020

Came from a Vale operation

In 2020 we produced:

Ni

99,000 tonnes of nickel

Cu

93,000 tonnes of copper

Fact: More than two-thirds of the world's nickel is used to produce stainless steel.

Fact: Copper is the third most-used metal in the world.

Leadership in Sustainability:

We are supplying the world with the nickel, copper and cobalt to power electric vehicles, create renewable energy solutions and help develop life-saving medical equipment. How we produce these metals matters, as we are committed to achieve net-zero emissions by 2050.

Vale's Sustainability Goals:



Reduce greenhouse gas emission by 33% by 2030



100%

All our sites conducted human rights impact assessments and implemented sustainability Mining Principles from the International Council on Mining and Metals.



Use 100% renewable energy by 2030



\$680M

Spent in purchases/contracts from Inuit and Innu companies in Voisey's Bay, representing 72% of every dollar spent.



Reduce new water collections by 10% by 2030



47

We have 47 Battery-Electric Vehicles in our underground Canadian operations.



Double female participation in our workforce by 2025

Vale meets EV market needs for low-carbon products

In October 2021, Vale received independent third-party assurance from Intertek Group Plc that the carbon footprint of our Long Harbour nickel rounds produced in Newfoundland and Labrador are about one-third of the Nickel Institute's average for Class 1 nickel. Additionally, in April 2022, the Intertek Group Plc confirmed the GHG emissions reported for our low carbon nickel pellets, powders and copper concentrates, produced in Sudbury, are some of the lowest carbon base metal products in the world.