

KEY FACTS on Canada's Minerals Sector

1 EMPLOYMENT **596,000** John

In 2016, the minerals sector directly and indirectly accounted for 596,000 jobs throughout the country in urban, rural, and remote regions.

Aitith

193,000 403,000 indirect jobs

MINERAL

MINING AND RELATED SUPPORT ACTIVITIES

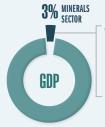
93,000

310,000

n Gross domestic product

\$87 B

In 2016, the minerals sector directly and indirectly contributed \$87 billion, or 3%, to Canada's total nominal GDP.



\$23 B indirect direct

MINING AND RELATED SUPPORT ACTIVITIES

\$29 B

\$35 B

Resources Canada estimates, based on Statistics Canada data. The data source has evalues are not compatible with those in the previous editions of this publication.

PROCESSING

Source: Natural Resources Canada estimates, based on Statistics Canada data. The data source has changed and the values are not compatible with those in the previous editions of this publication.

For more information: Mining and Materials.

3 CLEAN ENERGY APPLICATIONS Minerals are enablers

Canada is primed to respond to growing demand for commodities required in clean energy technologies. The country is a key global producer of copper, nickel, and cobalt, and hosts advanced mineral projects for rare earth elements, lithium, and graphite. These commodities are crucial in the production of solar cells, high-density batteries, and wind turbines.

Sources: Statistics Canada; Natural Resources Canada, based on provincial/territorial public acco For more information: <u>Enabling Clean Energy Applications.</u>



4 EXPORTS

Valued at \$89 billion in 2016, mineral exports accounted for 19% of Canada's total domestic exports. Canada's total domestic exports

Main Export Destinations

European Union

22% (\$19 B)

China *: 5% (\$4 B)

19% CANADA'S MINERAL EXPORTS

Source: Natural Resources Canada calculations, based on Statistics Canada data. For more information: Mineral Trade.

United States

55% (\$49 B)

INVESTMENT

In 2016, the minerals sector invested \$13 billion in new capital construction and in machinery and equipment, accounting for 6% of total

non-residential capital

investment in Canada.

Source: Natural Resources Canada calculations, based on State For more information: Mineral Sector Capital Investment.

Non-residential capital in Canada







For more information: Mineral Trade.

CANADIAN MINING ASSETS
S259 B
S171 B 19

In 2015, publicly traded Canadian-based companies had total mining and exploration assets of \$259 billion.

About two-thirds (\$171 billion) were located abroad.

\$171 B located in more than 100 foreign countries

Source: Natural Resources Canada estimates, based on company filings. For more information: <u>Canadian Mining Assets</u>.

7 PRODUCTION \$41 B

In 2016, mineral production totaled \$41 billion. Canada produces some 60 minerals and metals at 200 active mines and 7,000 sand and gravel pits and stone quarries.

Canada's Mineral Production

Metals \$23 B

Coal \$4 B

Nonmetals \$14 B

1st

2nd

Global Ranking

3rd PLATINUM GROUP EXPLORATION

\$1.6 B

In 2016, Canada's mineral exploration and deposit appraisal expenditures amounted to \$1.6 billion.



 ${\sf Canada}-{\sf a}$ leader in worldwide exploration

Canadian-headquartered companies accounted for 31% of global nonferrous exploration budgets.

Canada was the destination for 14% of global nonferrous exploration budgets.

Sources: Natural Resources Canada; SNL Metals & Mining/S&P Global Market Intelligence. For more information: Mineral Exploration.

Sources: Natural Resources Canada; Statistics Canada; U.S. Geological Survey; World Nuclear Association For more information: Mineral Production.

GREEN TECHNOLOGIES ADOPTION

Mining ranked among the top industries for the adoption of advanced green technologies in 2014. The sector was also among the highest reporting a strong likelihood of adopting green technologies within the next two years.

ENERGY TECHNOLOGIES
10.9% mining / 2.7% all industries

8th
WASTE TECHNOLOGIES
12.4% mining / 5.6% all industries

9th
AIR & EMISSION TECHNOLOGIES
12.8% mining / 4.6% all industries

WATER TECHNOLOGIES
14.0% mining / 3.1% all industries

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INDIGENOUS PARTICIPATION

II,UUU Jobs

The minerals industry is an important employer of Indigenous Peoples, providing jobs to over 11,000 individuals in 2016.



An estimated 370 agreements were signed between mining and exploration companies and Indigenous communities or governments.

For more information: Indigenous Mining Agreements.

Source: Statistics Canada. For more information: <u>Green Mining Initiative</u>.

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