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PREFACE

The purpose of the *Energy Fact Book* is to provide key information on energy markets in Canada in a format that is easy to consult. Resources including a summary of units and conversion factors, abbreviations, and data sources used throughout this publication are available in the annexes.

All data is subject to revisions by statistical sources. In some instances, more than one source may be available and discrepancies in numbers may occur because of conceptual or methodological differences. In addition, some numbers may not add up precisely due to rounding.

This publication was assembled by the Energy and Economic Analysis Division of the Energy Policy Branch with the help of subject experts from across Natural Resources Canada (NRCan).

For questions or comments, contact NRCan at energyfacts-faitsenergetiques@nrcan-rncan.gc.ca.

In this publication, energy industries are generally considered to include oil and gas extraction; coal mining; uranium mining; electric power generation, transmission and distribution; pipeline transportation; natural gas distribution; biofuels production; petroleum refineries; and support activities for oil and gas extraction. The petroleum sector is a subset of these industries, and in this publication consists of oil and gas extraction and support activities, pipeline transportation and distribution of oil and gas, and petroleum refineries.

Clean energy industries such as renewable and nuclear electricity generation, biofuels production and carbon capture and storage facilities are contained within the definition of energy industries. Some energy-related industries (e.g. petroleum product wholesaler-distributors and coal product manufacturing) are excluded because of a lack of data.

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INTRODUCTION

From an energy perspective, Canada is very fortunate. We have a large land mass, small population and one of the largest and most diverse supplies of energy in the world. Our rivers discharge close to 7% of the world's renewable water — a tremendous source of hydroelectric power. We have the fourth-largest proven oil reserves and third-largest reserves of uranium; our energy resources are a source of strength that continues to shape our economy and society.

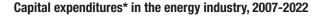
Canada is at the forefront of innovative technologies for how we produce and use energy. For example, low- or non-emitting forms of energy are growing in significance as part of our evolving electricity mix. In fact, wind and solar photovoltaic (PV) energy are the fastest-growing sources of electricity generation in Canada. In addition, technological advancements, such as co-generation, have resulted in an increase in energy-efficient practices and a reduction in greenhouse gas (GHG) emissions in areas such as the oil sands. Ongoing developments in areas such as grid-scale electricity storage, carbon capture and storage, hydrogen, and electric and alternative fuel vehicles have the potential to further transform the energy system.

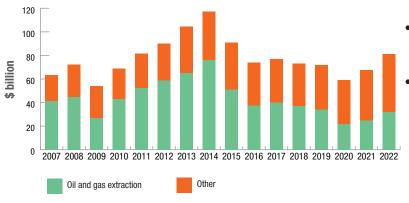
For over ten years, the *Energy Fact Book* has provided a solid foundation for Canadians to understand and discuss important developments across the energy sector. A significant milestone in Canadian energy information was achieved in 2019 with the launch of the Canadian Center for Energy Information (CCEI). Housed at Statistics Canada, the CCEI brings together Canada's existing energy information in one place, facilitating access to products like the Energy Fact Book.

Section 2: **Investment**



CAPITAL EXPENDITURES



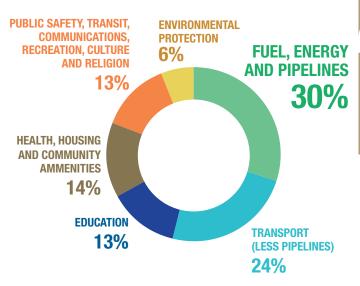


- Capital expenditures in Canada's energy sector totaled **\$80 billion** in 2022, a decrease of 32% from a peak in 2014.
- After reaching an eleven year low of \$59 billion in 2020, investment has rebounded to \$80 billion in 2022.
- Oil and gas extraction was the largest area of energy sector capital expenditure at \$31.9 billion in 2022, followed by electrical power generation and distribution (\$27.6 billion).

^{*}Excludes residential expenditures and intellectual property investments such as exploration expenses. Includes investments in renewable electricity, does not capture other forms of renewable energy.

CANADA'S ENERGY INFRASTRUCTURE

Fuel, energy and pipeline infrastructure made up the largest proportion of Canada's infrastructure at 30% of net stock in 2022.

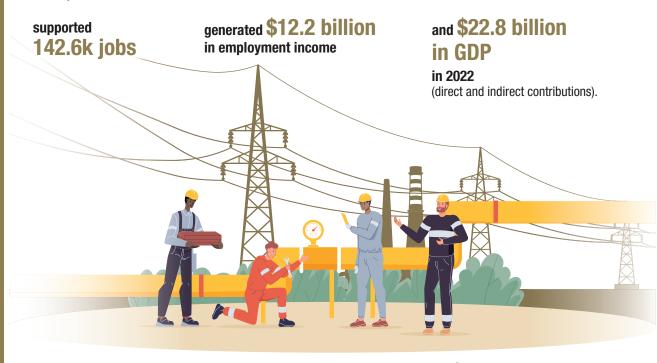


Statistics Canada defines infrastructure as:

the physical structures and systems that support the production of goods and services and their delivery to and consumption by governments, businesses and citizens.

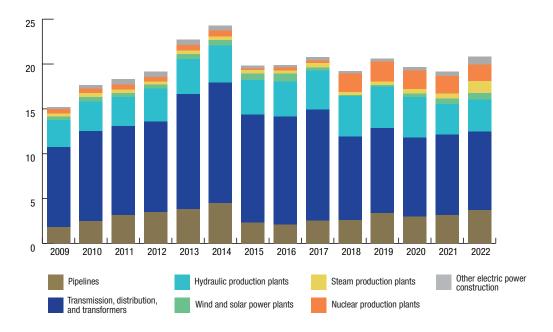
Fuel, energy and pipeline infrastructure includes electric power infrastructure like wind and solar, hydro, nuclear, and thermal generation, power transmission and distribution lines and oil and gas pipelines.

FUEL, ENERGY AND PIPELINE INFRASTRUCTURE INVESTMENT AND OPERATIONS



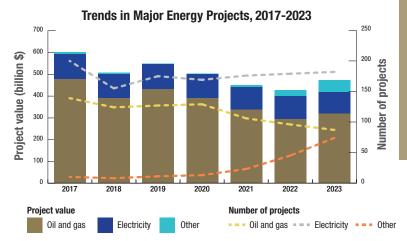
Public and private investment in fuel, energy and pipeline infrastructure in 2022 was \$29.5 billion (nominal).

Public and private investment in fuel, energy and pipeline infrastructure, billion \$ (constant 2012)



CANADA'S MAJOR ENERGY PROJECTS

- In 2023, there were 223 planned (announced, under review, or approved) energy projects worth \$294B, and 120 energy projects under construction worth \$180B.
- Oil and gas sector projects accounted for the largest portion of project value (\$319B), while there were more electricity projects overall (182).
- There were 233 clean technology projects valued at \$159B.



Natural Resources Canada's
Major Projects Inventory captures
information on major natural
resource projects in Canada
that are either currently under
construction or planned in the next
10 years.

Minimum capital thresholds for inclusion are: **\$50 million** for oil and gas, **\$20 million** for electricity, and **\$10 million** for other clean energy or technology projects.

Projects that are either announced, under review, approved and under construction are included.

CLEAN TECHNOLOGY PROJECT TRENDS 2018-2023

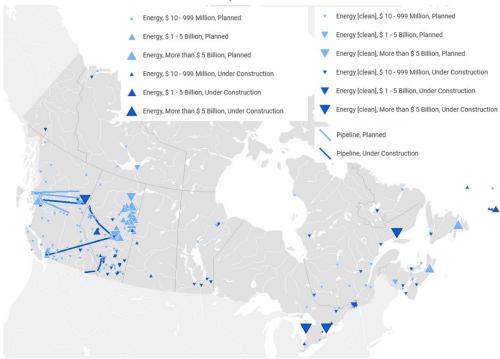
	2018	2019	2020	2021	2022	2023
Total Clean	144 projects	151 projects	159 projects	178 projects	197 projects	233 projects
Technology Projects	(\$109.5B)	(\$99.3B)	(\$99.4B)	(\$104B)	(\$118B)	(\$159B)
Hydro	65 projects	70 projects	61 projects	58 projects	63 projects	78 projects
	(\$48.2B)	(\$50.0B)	(\$52.0B)	(\$39.2B)	(\$44.8B)	(\$38.9B)
Wind	27 projects	31 projects	36 projects	41 projects	35 projects	31 projects
	(\$9.1B)	(\$9.4B)	(\$8.3B)	(\$14.6B)	(\$13.4B)	(\$12.3B)
Biomass/Biofuels	33 projects	32 projects	29 projects	31 projects	35 proejcts	42 projects
	(\$6.4B)	(\$3.0B)	(\$4.6B)	(\$8.0B)	(\$9.4B)	(\$13.8B)
Solar	7 projects	6 projects	13 projects	22 projects	30 projects	31 projects
	(\$0.9B)	(\$0.7B)	(\$1.4B)	(\$2.2B)	(\$3.0B)	(\$6.2B)
Nuclear	5 projects	5 projects	3 projects	4 projects	3 projects	2 projects
	(\$28.5B)	(\$28.5B)	(\$26.1B)	(\$27.4B)	(\$26.1B)	(\$25.8B)
Carbon Capture and Storage	3 projects	2 projects	1 project	2 projects	6 projects	9 projects
	(\$16.3B)	(\$7.2B)	(\$6.0B)	(\$11.3B)	(\$15.5B)	(\$38.3B)
Geothermal	1 project	2 projects	3 projects	5 projects	4 projects	4 projects
	(\$0.0B)	(\$0.2B)	(\$0.3B)	(\$0.4B)	(\$0.4B)	(\$0.4B)
Tidal	0 project	1 project	6 projects	6 projects	7 projects	7 projects
	(\$0.0B)	(\$0.1B)	(\$0.3B)	(\$0.3B)	(\$0.4B)	(\$0.4B)
Multiple ¹	0 project	0 project	0 project	1 project	1 project	1 project
	(\$0.0B)	(\$0.0B)	(\$0.0B)	(\$0.03B)	(\$0.03B)	(\$0.03B)
Other ²	3 projects	2 projects	7 projects	8 projects	13 projects	28 projects
	(\$0.1B)	(\$0.1B)	(\$0.4B)	(\$0.5B)	(\$5.3B)	(\$22.6B)

Certain values from 2020 to 2022 have been revised due to updated data.

¹ The Haida Gwaii Clean Energy Project is a multi-phased project consisting of hydro and solar sites.

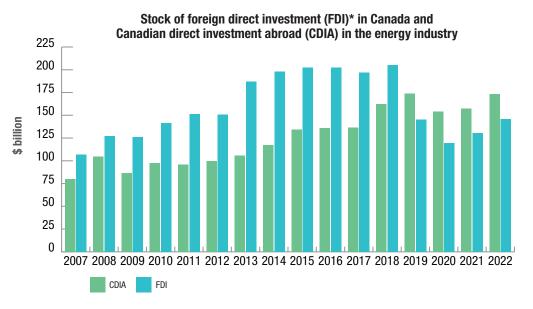
² "Other" includes novel initiatives such as micro-grid projects, battery storage projects, bioplastics, and a helium purification plant.

MAJOR ENERGY PROJECTS PLANNED AND UNDER CONSTRUCTION, 2023-2033



INTERNATIONAL INVESTMENTS AND INVESTORS

Canada's energy industries operate in free markets, where investments by both Canadian and foreign companies ensure an efficient, competitive and innovative energy system.



^{*} Direct investment is defined as a company owning a minimum of 10% of voting equity interest in a foreign enterprise and is measured as the total equity value at the time of acquisition. Excludes residential expenditures and intellectual property investments such as exploration expenses.

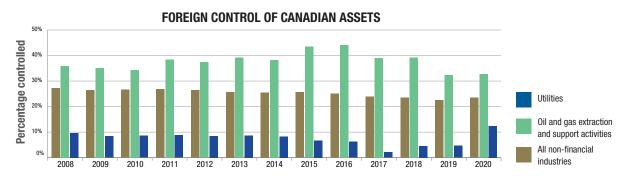
FDI and CDIA include investments in renewable electricity, do not capture other forms of renewable energy.

STOCK OF FOREIGN DIRECT INVESTMENT IN CANADA AND CANADIAN DIRECT INVESTMENT ABROAD

- The stock of foreign direct investment (FDI) in the energy sector rose in 2022 to \$146 billion (+11.9% over the previous year).
- The energy industry's share of overall FDI in Canada was 12% in 2022, increasing from 11% in 2021.
- The stock of Canadian direct investment abroad (CDIA) was valued at \$173 billion in 2022, up 10% from 2021.
- Investment in oil and gas extraction accounted for \$32 billion of the CDIA stock in 2022.

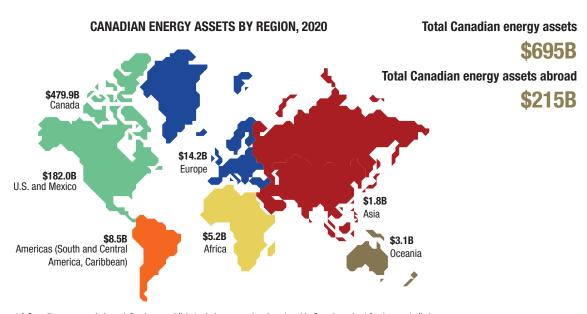
FOREIGN CONTROL OF CANADIAN ASSETS

Foreign control is a measure of the extent to which foreign entities operate in Canada. Generally, a corporation is deemed to be foreign-controlled if **more than 50%** of its shares are owned by one or more foreign companies.



CANADIAN ENERGY ASSETS

The total value of Canadian* energy assets (CEA) went down in 2020 to \$695 billion, a slight decrease of 2.5% from \$712 billion in 2019. In 2020, domestic CEA totaled \$480 billion, down 4.0% from 2019, while CEA abroad totaled \$215 billion, up from \$213 billion.



^{*} A Canadian company is here defined as a publicly traded company headquartered in Canada and not foreign-controlled.

RESEARCH, DEVELOPMENT AND DEMONSTRATION

CANADIAN TOTAL EXPENDITURES ON ENERGY RD&D

In 2021-22, federal energy RD&D expenditures were **\$1,001M** and provincial and territorial (P&T) government energy RD&D expenditures were **\$411M**, for a combined total of **\$1,412M**.



In 2021-22, federal spending increased by **20% (\$164M) compared to 2020-21**. Energy efficiency accounts for over one third of total **federal** expenditures (\$381M) and investments **have tripled** since 2017-18 (\$130M).



Canada has been an active member of Mission Innovation (MI) since its launch in 2015. Canada surpassed its initial MI commitment to double investments in clean energy RD&D by 2021 and has continued to increase investments as a part of MI's second phase.



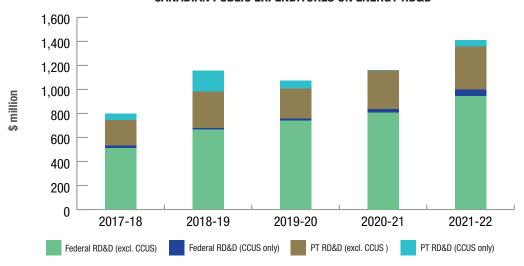




In 2021-22, P&T spending increased by **27% (\$87M increase)**. CCUS had a significant increase by \$46M to \$54M in 2021-22, compared to \$8M in 2020-21.

Canadian industry spent about **\$1.7B** on energy R&D in 2020, a slight increase from the spending reported in 2019 (**\$1.6B**).

CANADIAN PUBLIC EXPENDITURES ON ENERGY RD&D



^{*} Provincial and territorial (P/T) includes utilities and other publicly owned entities (i.e. State-Owned Entities).

Overall, federal and provincial/territorial energy RD&D spending continues to increase. Combined federal and provincial/territorial CCUS RD&D spending increased threefold in 2021-22, compared to 2020-21.

EXPENDITURES ON ENERGY RD&D BY TECHNOLOGY AREA (\$ MILLIONS)

		Federal (2021-22)	Provincial and territorial	Industry (2020)
	Hydrocarbons (including CCUS)	170	(2021-22) 139	621
	Renewable and non-emitting energy**	408	154	596
1	Energy end use***	423	118	457
	Total*	1,001	411	1,675

^{*} Totals may not be exact due to rounding.

^{**} Renewable and non-emitting energy includes renewable and nuclear energy.

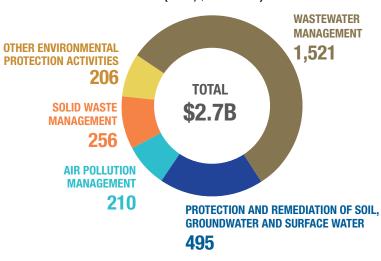
^{***} Energy end use includes energy efficiency related to transport, industry, and buildings & communities. Note: Data for industry spending reflects the latest available at the time of this publication.

ENVIRONMENTAL PROTECTION EXPENDITURES

Environmental protection expenditures (operating and capital spending combined) by the energy sector totalled \$3.8 billion in 2020, representing 38% of expenditures made by all industries.

The oil and gas sector (\$2.7 billion) accounts for the largest share of those expenditures, slightly more than one-quarter (27%) of total environmental protection expenditures made by all industries.

OIL AND GAS EXTRACTION EXPENDITURES PER ENVIRONMENTAL **ACTIVITY (2020, \$ MILLIONS)**



- Electric power generation, transmission and distribution invested \$663 million on environmental protection measures.
- Petroleum and coal product manufacturing invested \$317 million in environmental protection activities, with the largest percentage of spending (93%) in pollution abatement and control.

AUNEXES

ANNEX 1: UNITS AND CONVERSION FACTORS PREFIXES AND EQUIVALENTS

Prefix				
SI/Metric		Imperial	Equivalent	
k	kilo	M	thousand	10³
M	mega	MM	million	10 ⁶
G	giga	В	billion	10 ⁹
Т	tera	T	trillion	1012
Р	peta	-	quadrillion	10 ¹⁵

Notes

- Tonne may be abbreviated to "t" and is not to be confused with "T" for tera or trillion.
- Roman numerals are sometimes used with imperial units (this can create confusion with the metric "M").

CRUDE OIL

Upstream

- reserves usually in barrels or multiples (million barrels)
- production/capacity often in barrels per day or multiples (thousand barrels/day or Mb/d, million barrels/day or MMb/d)
- metric: 1 cubic metre = 6,2898 barrels
- International Energy Agency: uses weight (tonnes) rather than volume

Downstream (petroleum products)

- · volumes of refined products usually in litres
- 1,000 litres = 1 cubic metre
- U.S.: 1 U.S. gallon = 3.785 litres

NATURAL GAS

Volume

- · reserves/production usually in cubic feet or multiples (billion cubic feet or Bcf. trillion cubic feet or Tcf)
- production/capacity often in cubic feet per day or multiples (Bcf/d, Tcf/d)
- metric: 1 cubic metre = 35.3147 cubic feet

Density

1 million t LNG = 48.0279 billion cubic feet

Pricing

Volume-based:

- cents per cubic metre (¢/m³) (customer level in Canada)
- \$ per hundred cubic feet (\$/CCF) (customer level in the U.S.)

Energy content-based:

- \$ per gigaioule (\$/GJ) (company level in Canada)
- \$ per million British thermal units (\$/MMbtu) (company level in the U.S., LNG)

URANIUM

- 1 metric tonne = 1,000 kilograms of uranium metal (U)
- U.S.: in pounds of uranium oxide (U₂O₂)
- 1 lb. $U_0 O_0 = 0.84802$ lb. U = 0.38465 kg U

COAL

- 1 metric tonne = 1,000 kilograms
- U.S.: 1 short ton = 2.000 pounds
- 1 metric tonne = 1.10231 short tons

ELECTRICITY

Capacity

 maximum rated output that can be supplied at an instant, commonly expressed in megawatts (MW)

Total capacity

installed generator nameplate capacity

Generation/sales

- flow of electricity over time, expressed in watt-hours or multiples:
 - kilowatt-hours or kWh (e.g. customer level)
 - megawatt-hours or MWh (e.g. plant level)
 - gigawatt-hours or GWh (e.g. utility level)
 - terawatt-hours or TWh (e.g. country level)

From capacity to generation

- . A 1-MW unit operating at full capacity over one hour generates 1 MWh of electricity.
- . Over one year, this unit could generate up to 8,760 MWh (1 MW \times 24 hr \times 365 days).

- Units are rarely used at full capacity over time because of factors such as maintenance requirements, resource limitations and low demand.
- "Capacity factor" is the ratio of actual generation to full capacity potential.

ENERGY CONTENT

Rather than using "natural" units (e.g. volume, weight), energy sources can be measured according to their energy content – this allows comparison between energy sources.

- metric: joules or multiples (gigajoules or GJ, terajoules or TJ, petajoules or PJ)
- U.S.: 1 British thermal unit (BTU) = 1,055.06 joules
- IEA: energy balances expressed in oil equivalent:
 - thousand tonnes of oil equivalent (ktoe)
 - million tonnes of oil equivalent (Mtoe)

Typical values

- 1 m3 of crude oil = 39.0 GJ
- 1,000 m3 of natural gas = 38.3 GJ
- 1 MWh of electricity = 3.6 GJ
- 1 metric tonne of coal = 29.3 GJ
- 1 metric tonne of wood waste = 18.0 GJ
- 1 metric tonne of uranium = 420,000 GJ to 672,000 GJ

ANNEX 2: ABBREVIATIONS

AECO	Alberta Energy Company	GST	Goods and Services tax
В	billion	GWh	gigawatt hours
b/d	barrels per day	HGL	hydrocarbon gas liquids
Bcf/d	billion cubic feet per day	HST	Harmonized sales tax
Bcm/d	billion cubic metres per day	IEA	International Energy Agency
CANDU	Canada deuterium uranium	IHA	International Hydropower Association
CanREA	Canadian Renewable Energy Association	kg	kilogram
CCS	carbon capture and storage	km	kilometre
CCUS	carbon capture, utilization and storage	km²	square kilometre
CDIA	Canadian direct investment abroad	kt	kilotonne
CEA	Canadian energy assets	kWh	kilowatt hour
CER	Canada Energy Regulator	lb.	pound
CO, equivalent	carbon dioxide equivalent	L	litre
CPÍ	consumer price index	LC0E	levelized cost of electricity
CPL	cents per litre	LNG	liquefied natural gas
ECTPEA	Environmental and Clean Technology Products	LPG	liquefied petroleum gases
	Economic Account	LWR	light water reactor
EGS	enhanced geothermal system	m	metre
EIA	Energy Information Administration (U.S.)	m²	square metre
EU	European Union	m³	cubic metre
FDI	foreign direct investment	Mb/d	thousand barrels per day
G7	seven wealthiest major developed nations: Canada,	MJ	megajoule
	France, Germany, Italy, Japan, U.K. and U.S.	MMb/d	million barrels per day
GDP	gross domestic product	MMcf/d	million cubic feet per day
GHG	greenhouse gas	MMbtu	million British thermal units
GJ	gigajoule	Mt	million tonnes; megatonne

Mtoe	million tons of oil equivalent	P/T	provincial/territorial
MW	megawatt	PV	photovoltaic
NGCC	natural gas combined cycle	RD&D	research, development and demonstration
NGL	natural gas liquids	R&D	research and development
NRCan	Natural Resources Canada	RPP	refined petroleum products
NRSA	Natural Resources Satellite Account	SDTC	Sustainable Development Technology Canada
NSERC	National Science and Engineering Research Council of	Tcf	trillion cubic feet
	Canada	Tcm	trillion cubic metres
OECD	Organisation for Economic Co-operation and	Tkm	tonne-kilometre
	Development	t	tonnes
PHWR	pressurized heavy water reactor	TPES	total primary energy supply
PJ	petajoule	TWh	terawatt-hour
Pkm	passenger-kilometre	U.K.	United Kingdom
Provinces	Alta. – Alberta	U.S.	United States
	B.C. – British Columbia	US\$	United States dollars
	Man. – Manitoba	WTI	West Texas Intermediate
	N.B. – New Brunswick		
	N.L. – Newfoundland and Labrador		
	N.S. – Nova Scotia		
	N.W.T. – Northwest Territories		
	Ont. – Ontario		

P.E.I. - Prince Edward Island

Atl. - Atlantic provinces Terr. – Territories

Que. - Quebec Sask. - Saskatchewan Y.T. – Yukon

ANNEX 3: SOURCES

SECTION 1: KEY ENERGY. ECONOMIC AND ENVIRONMENTAL INDICATORS

ENERGY PRODUCTION AND SUPPLY

- Global Primary Energy Production: IEA Annual Database
- Global Energy Rankings: IEA Annual Database, IHA World Hydropower Outlook
- Primary Energy Production by Region & Source: Statistics Canada tables 25-10-0020-01, 25-10-0029-01, 25-10-0030-01, 25-10-0031-01, and 25-10-0082-01 and NRCan estimates
- Canada's energy supply: IEA Annual Database, World Energy Balances and IEA Standing Group on Long-Term Co-operation questionnaire
- Primary and secondary energy use: Natural Resources Canada's National Energy Use Database

ECONOMIC CONTRIBUTION

- GDP: Statistics Canada tables 38-10-0285-01, 36-10-0221-01, 36-10-0103-01 and 36-10-0400-01 and NRCan estimates
- Employment: Statistics Canada tables 38-10-0285-01, 36-10-0214-01. 36-10-0489-01. 36-10-0480-01. 36-10-0221-01, 36-10-0400-01, 14-10-0023-01, Provincial NRSA and Statistics Canada special tabulations
- Energy Trade: Statistics Canada International Merchandise Trade Database, IEA Annual Database and United States EIA (U.S. Imports by Country of Origin)
- Canada-U.S. Energy Trade: Statistics Canada International Merchandise Trade Database and United States EIA (U.S. Imports by Country of Origin)

 Government Revenues: Statistics Canada Table 33-10-0500-01 and Canadian Association of Petroleum Producers, Statistical Handbook, Table 01-01 (Crown land sales Western Canada and Canada lands)

ENERGY AND GHG EMISSIONS

. GHG Emissions by Sector: Environment and Climate Change Canada (National Inventory Report), Climate Watch Data Explorer and Statistics Canada Table 17-10-0134-01

SECTION 2: INVESTMENT

- Capital expenditures: Statistics Canada tables 34-10-0035-01. 34-10-0036-01, and 34-10-0040-01
- Canada's Energy Infrastructure: StatCan Table: 36-10-0608-01: Infrastructure Economic Accounts, investment and net stock by asset, industry, and asset function
- Canada's Major Energy Projects: NRCan Major Project Inventory
- Foreign Direct Investment and Canadian Direct Investment Abroad: Statistics Canada Table 36-10-0009-01
- Foreign Control of Canadian Assets: Statistics Canada tables 33-10-0033-01, 33-10-0005-01 and 33-10-0006-01
- Canadian Energy Assets: Compiled by NRCan from S&P Global Market Intelligence and annual financial statements from publicly traded Canadian energy companies.
- Research, Development and Demonstration: compiled by NRCan from internal sources
- Environmental Protection Expenditures: StatCan Tables 38-10-0130-01, 38-10-0132-01

SECTION 3: SKILLS, DIVERSITY AND COMMUNITY

- Energy Sector Demographics: Statistics Canada Natural Resources Account, special release tables.
- Energy Affordability: NRCan estimates based on Statistics Canada special tabulations
- Household Expenditures on Energy: Statistics Canada Table 11-10-0222-01
- Energy Retail Prices: Statistics Canada tables 18-10-0004-01 and 18-10-0001-01 and IEA Annual Database
- Energy Reliant Communities: NRCan analysis based on Statistics Canada 2021 Census Data

SECTION 4: ENERGY EFFICIENCY

ENERGY USE

- Primary and secondary energy use: Natural Resources Canada's National Energy Use Database
- Energy efficiency: Natural Resources Canada's National Energy Use Database and Natural Resources Canada Energy Efficiency Trends in Canada 2000-2020
- Energy intensity: Natural Resources Canada's National Energy Use Database
- Energy in our daily lives: Natural Resources Canada's Energy Efficiency Trends in Canada 2000-2020
- Residential Energy Use, water heating and space heating Natural Resources Canada's National Energy Use Database and NRCan estimates
- Residential, commercial, institutional and industrial sectors:
 Natural Resources Canada's National Energy Use Database

ENERGY TRENDS

 Trends in Energy use and intensity: Natural Resources Canada's National Energy Use Database

SECTION 5. CLEAN POWER AND LOW CARBON FUELS

CLEAN TECHNOLOGY AND THE ECONOMY

 Environmental and clean technology: compiled by NRCan from Statistics Canada data and other public sources (Toronto Stock Exchange), NRCan 2022 Cleantech Industry Survey

ELECTRICITY

- World production and exports: IEA database (Electricity Information [note: IEA production/generation data is expressed on a "gross" basis, i.e. before generating station use])
- Trade: CER Table (Electricity Exports and Imports Statistics), and Statistics Canada.
- Canadian and provincial supply: compiled by Statistics
 Canada and NRCan's Electricity Division from various sources
- Prices: Hydro-Québec (Comparison of Electricity Prices in Major North American Cities)
- Electricity energy use: Office of Energy Efficiency Comprehensive Energy Use Database.
- Levelized cost of electricity: CER (Canada's Adoption of Renewable Power Sources – Energy Market Analysis)

RENEWABLES

- Electricity GHG emissions: Environment and Climate Change Canada (National Inventory Report)
- International context Production: IEA (Renewables Information)

- International context share of energy supply: IEA (Electricity Information, Energy Balances of OECD Countries, and Energy Balances of Non-OECD Countries) and United States EIA
- Domestic production: IEA (Renewables Information) and NRCan data based on Statistics Canada
- Hydro international generation: IEA (Electricity Information, Energy Balances of OECD Countries, and Energy Balances of Non-OECD Countries)
- Hydro capacity in Canada: International Hydropower Association (Hydropower Status Report)
- Hydro facilities and projects: compiled by NRCan from Statistics Canada and other public sources
- Biomass Renewable balance: IEA database (Renewables balances)
- Biomass production: Statistics Canada Table 25-10-0031-01. Statistics Canada International Merchandise Trade Database and NRCan
- Biomass wood fuel use by sector: IEA (Renewables Information)
- Wind international context: Global Wind Energy Council (Global Wind Report)
- Wind capacity in Canada: compiled by NRCan from CanREA data
- Wind generation in Canada: compiled by Statistics Canada and NRCan from various sources
- Wind wind farms: CanREA data
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SECTION 6: PETROLEUM, GAS AND COAL

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CANADIAN CENTRE FOR ENERGY INFORMATION

Canadian Centre for Energy Information

https://energy-information.canada.ca/index-eng.htm