

2018 Annual Electricity Supply and Disposition Survey

CONFIDENTIAL once completed.

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This information is collected under the authority of the *Statistics Act*, Revised Statutes of Canada, 1985, Chapter S-19.
COMPLETION OF THIS QUESTIONNAIRE IS A LEGAL REQUIREMENT UNDER THIS ACT.

Introduction

Survey purpose

The purpose of this survey is to obtain information on energy supply and demand in Canada. This information is an important indicator of Canadian economic performance, and is used by all levels of government in establishing informed policies in the energy area. The private sector also uses the information in their corporate decision-making.

Your information may also be used by Statistics Canada for other statistical and research purposes.

Security of emails and faxes

Statistics Canada advises you that there could be a risk of disclosure during facsimile or email. However upon receipt, Statistics Canada will provide the guaranteed level of protection afforded all information collected under the authority of the *Statistics Act*.

Note: Our online questionnaires are secure, there is no risk of data interception when responding to Statistics Canada online surveys.

Confidentiality

The *Statistics Act* protects the confidentiality of information collected by Statistics Canada.

Data-sharing agreements

To reduce respondent burden, Statistics Canada has entered into data-sharing agreements with provincial and territorial statistical agencies and other government organizations, which have agreed to keep the data confidential and use them only for statistical purposes.

Information on confidentiality, data-sharing agreements and record linkages can be found on the last page of this questionnaire.

Please return the questionnaire within 20 days after receipt of this questionnaire.

Please mail the completed questionnaire in the enclosed envelope or fax it to Statistics Canada at 1-800-755-5514.

If you are unable to complete within 20 days **OR** if you need help, call us at **1-877-604-7828** or **TTY 1-855-382-7745**.

Statistics Canada
Operations and Integration Division
150 Tunney's Pasture Driveway
Ottawa, Ontario K1A 0T6

Visit our website, www.statcan.gc.ca

Reporting instructions

- Please print in ink.
- Report in megawatt-hours (MWh).
- Report dollar amounts **in thousands of Canadian dollars**.
- Enter "1" MWh for quantities between 0 and 1 MWh.
- Enter '0' if there is no value to report.
- When precise figures are not available, provide your best estimates.
- Consult the reporting guide at www.statcan.gc.ca/guides-e for further information.

Business or organization and contact information

1. **Verify or provide** the business or organization's **legal and operating name** and correct where needed.

Note: Legal name modifications should only be done to correct a spelling error or typo.

Legal name

Operating name (if applicable)

2. **Verify or provide the contact information** of the designated business or organization **contact person** for this questionnaire and correct where needed.

Note: The designated contact person is the person who should receive this questionnaire. The designated contact person may not always be the one who actually completes the questionnaire.

First name

Last name

Title

Preferred language of communication

English

French

Mailing address (number and street)

City

Province, territory or state

Postal code or ZIP code

Example: A9A 9A9 or 12345-1234

Country

Email address

Example: user@example.gov.ca

Telephone number (including area code)

Example: 123-123-1234

Extension number

(if applicable)

Fax number (including area code)

Example: 123-123-1234

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3. **Verify or provide the current operational status** of the business or organization identified by the legal and operating name above.

B00323

1 Operational → **Go to question 4**

2 Not currently operational

e.g., temporarily or permanently closed, change of ownership

Why is this business or organization not currently operational?

B00309

2 Seasonal operations → **Go to question 3a**

3 Ceased operations → **Go to question 3b**

4 Sold operations → **Go to question 3c**

5 Amalgamated with other businesses or organizations → **Go to question 3d**

6 Temporarily inactive but will re-open → **Go to question 3e**

7 No longer operating due to other reasons → **Go to question 3f**

3a. Seasonal operations

When did this business or organization close for the season?

Date B00217
YYYY MM DD

When does this business or organization expect to resume operations?

Date B00218
YYYY MM DD → **Go to question 4**

3b. Ceased operations

When did this business or organization cease operations?

Date B00211
YYYY MM DD

Why did this business or organization cease operations?

B00311

1 Bankruptcy

2 Liquidation

3 Dissolution

4 Other
Specify the other reasons why the operations ceased

B00312

} → **Go to question 4**

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3c. Sold operations

When was this business or organization sold?

YYYY MM DD
B00212

What is the legal name of the buyer?

B00406 → Go to question 4

3d. Amalgamated with other businesses or organizations

When did this business or organization amalgamate?

YYYY MM DD
B00213

What is the legal name of the resulting or continuing business or organization?

B00407

What are the legal names of the other amalgamated businesses or organizations?

B00408 → Go to question 4

3e. Temporarily inactive but will re-open

When did this business or organization become temporarily inactive?

YYYY MM DD
B00214

When does this business or organization expect to resume operations?

YYYY MM DD
B00215

Why is this business or organization temporarily inactive?

B00313 → Go to question 4

3f. No longer operating due to other reasons

When did this business or organization cease operations?

YYYY MM DD
B00216

Why did this business or organization cease operations?

B00314

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4. **Verify or provide the current main activity** of the business or organization identified by the legal and operating name.

Note: The described activity was assigned using the North American Industry Classification System (NAICS).

B05002

1 This is the current main activity → **Go to next section**

2 This is **not** the current main activity

Provide a **brief but precise description** of this business or organization's **main activity**
e.g., breakfast cereal manufacturing, shoe store, software development

B05003



5. Was this business or organization's main activity ever classified as:

B05111

1 Yes

2 No → **Go to next section**

6. When did the main activity change?

Date B00219

YYYY	MM	DD
<input type="text"/>	<input type="text"/>	<input type="text"/>

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Industry characteristics

Sub-type for all electricity generation

1. Does this business generate electricity?

Electricity may be generated for internal use and/or for sale.

B05044

- Yes
- No → Go to question 5

2. What **method** is employed to **generate** electricity?
Select all that apply.

B05049_m7

- Thermal generation - combustible fuels
Exclude geothermal and nuclear

B05049_m8

- Nuclear

B05049_m9

- Hydro

B05049_m10

- Tidal

B05049_m11

- Wind

B05049_m12

- Solar

B05049_m13

- Wave

B05049_m14

- Geothermal

B05049_m15

- Other non-combustible methods — specify:

B05049_m16

3. How will the volume of generated electricity be reported?

If both Net and Gross generation can be provided, please report the Net electricity generation.

B00512

- Gross** electricity generation
- Net** electricity generation
i.e., the gross electricity generation minus the losses in the main generator transformers and minus the electrical energy absorbed by the generating auxiliaries.

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Electrical production by all selected methods and fuel types

4. What was the **volume in megawatt-hours (MWh)** of electricity generated from the following?
Please report the generation from the use of diesel under Petroleum.

Thermal

Volume
in MWh

a. Coal

E42005_y1

E42005_y2

b. Natural gas

E42005_y9

c. Petroleum

d. Other combustible sources — specify:

B40097_y11

E42005_y10

E42005_y11

Total megawatt-hours generated from thermal

Biomass

E42005_y3

e. Wood

E42005_y4

f. Spent pulping liquor

E42005_y5

g. Methane (landfill gas)

E42005_y6

h. Municipal and other waste

i. Other type of biomass — specify:

B40097_y8

E42005_y7

E42005_y8

Total megawatt-hours generated from biomass

E45020

Total electricity production from combustible fuels

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**Volume
in MWh**

- j. Nuclear
- k. Hydro
- l. Tidal
- m. Wind
- n. Solar
- o. Wave
- p. Geothermal
- q. Other noncombustible methods — specify:
B05049_m16

Total production of electricity

Import of electricity from the United States

5. Did this business **import electricity** from the United States?

B05072

- Yes
- No → Go to question 7

6. What was the **volume in megawatt-hours (MWh)** and the **value of imported electricity from the United States?**

Volume in MWh	CAN\$ '000
<small>E43008</small> <input type="text"/>	<small>E43009</small> \$ <input type="text"/> ,000

Withdrawals or purchases of electricity from other Canadian producers and distributors

7. Did this business **receive electricity** from other sources in Canada?

Include:

- Electricity received from other producers or distributors
- Withdrawals from the grid for own use
- Affiliated direct purchase and wholesale consumers

B05073

- Yes
- No → Go to question 9

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8. What was the **volume in megawatt-hours (MWh)** and the **value** of electricity received by this business?

	Volume in MWh	CAN\$ '000
a. Newfoundland and Labrador	E46009_g1 <input type="text"/>	E46011_g1 \$ <input type="text"/> ,000
b. Prince Edward Island	E46009_g2 <input type="text"/>	E46011_g2 \$ <input type="text"/> ,000
c. Nova Scotia	E46009_g3 <input type="text"/>	E46011_g3 \$ <input type="text"/> ,000
d. New Brunswick	E46009_g4 <input type="text"/>	E46011_g4 \$ <input type="text"/> ,000
e. Quebec	E46009_g5 <input type="text"/>	E46011_g5 \$ <input type="text"/> ,000
f. Ontario	E46009_g6 <input type="text"/>	E46011_g6 \$ <input type="text"/> ,000
g. Manitoba	E46009_g7 <input type="text"/>	E46011_g7 \$ <input type="text"/> ,000
h. Saskatchewan	E46009_g8 <input type="text"/>	E46011_g8 \$ <input type="text"/> ,000
i. Alberta	E46009_g9 <input type="text"/>	E46011_g9 \$ <input type="text"/> ,000
j. British Columbia	E46009_g10 <input type="text"/>	E46011_g10 \$ <input type="text"/> ,000
k. Yukon	E46009_g11 <input type="text"/>	E46011_g11 \$ <input type="text"/> ,000
l. Northwest Territories	E46009_g12 <input type="text"/>	E46011_g12 \$ <input type="text"/> ,000
m. Nunavut	E46009_g13 <input type="text"/>	E46011_g13 \$ <input type="text"/> ,000
Total volume and value of electricity, purchased or withdrawn from other domestic companies	E46000 <input type="text"/>	E46010 \$ <input type="text"/> ,000

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Company's own use - generated electricity

9. Excluding electricity that is billed, did this business consume electricity **for its own use**?

Gross electricity generation

Include:

- Electricity used for heat pumps
- Electric boilers, pumped storage, and electricity given as compensation for utilities or distributors
- Electricity lost in the main generator transformers and the electricity absorbed by the generating auxiliaries

Exclude:

- Electricity that is billed by another company.

Net electricity generation

Include:

- Electricity used for heat pumps
- Electric boilers, pumped storage, and electricity given as compensation for utilities or distributors

Exclude:

- Electricity that is billed by another company.
- Electricity lost in the main generator transformers and the electricity absorbed by the generating auxiliaries

B05074

- Yes
- No → Go to question 11

**Volume
in MWh**

E64014

10. What was the **volume in megawatt-hours (MWh)** of the electricity consumed by this business **for its own use**?

Export of Electricity to the United States

11. Did this business **export electricity** to the United States?

B05076

- Yes
- No → Go to question 12

**Volume
in MWh**

CAN\$ '000

E63008

E63009

12. What was the volume in **megawatt-hours (MWh)** and **value of electricity exported to the United States**?

\$,000

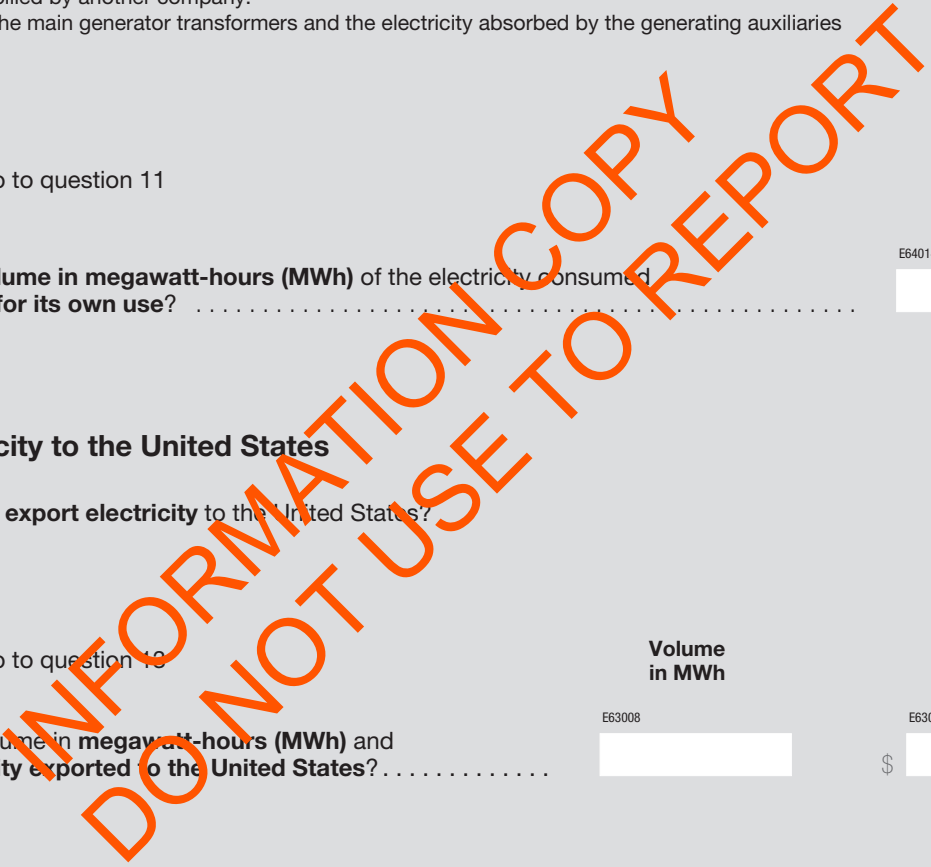
Delivery of electricity to other domestic utilities or distributors

13. Did this business deliver electricity to other companies in Canada such as utilities, system operators (the grid), producers, transmitters and/or distributors **for the purpose of resale**?

e.g., utilities or distributors

B05077

- Yes
- No → Go to question 15



14. What was the **volume in megawatt-hours (MWh)** and **value** of electricity delivered to other companies in Canada such as utilities, system operators (the grid), producers, transmitters and/or distributors **for the purpose of resale?**

	Volume in MWh	CAN\$ '000
a. Newfoundland and Labrador	E62012_g1 <input type="text"/>	E62013_g1 \$ <input type="text"/> ,000
b. Prince Edward Island	E62012_g2 <input type="text"/>	E62013_g2 \$ <input type="text"/> ,000
c. Nova Scotia	E62012_g3 <input type="text"/>	E62013_g3 \$ <input type="text"/> ,000
d. New Brunswick	E62012_g4 <input type="text"/>	E62013_g4 \$ <input type="text"/> ,000
e. Quebec	E62012_g5 <input type="text"/>	E62013_g5 \$ <input type="text"/> ,000
f. Ontario	E62012_g6 <input type="text"/>	E62013_g6 \$ <input type="text"/> ,000
g. Manitoba	E62012_g7 <input type="text"/>	E62013_g7 \$ <input type="text"/> ,000
h. Saskatchewan	E62012_g8 <input type="text"/>	E62013_g8 \$ <input type="text"/> ,000
i. Alberta	E62012_g9 <input type="text"/>	E62013_g9 \$ <input type="text"/> ,000
j. British Columbia	E62012_g10 <input type="text"/>	E62013_g10 \$ <input type="text"/> ,000
k. Yukon	E62012_g11 <input type="text"/>	E62013_g11 \$ <input type="text"/> ,000
l. Northwest Territories	E62012_g12 <input type="text"/>	E62013_g12 \$ <input type="text"/> ,000
m. Nunavut	E62012_g13 <input type="text"/>	E62013_g13 \$ <input type="text"/> ,000
Total volume and value of delivered electricity to other domestic businesses	E62000 <input type="text"/>	E62010 \$ <input type="text"/> ,000

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Disposition of electricity by type of consumer

15. Did this business deliver electricity to consumers enrolled with **retailers** such as Direct Energy?

A retailer does not own any distribution lines, it operates as a middleman and relies on utility companies to deliver to their clients the electricity it has purchased on the markets.

Retailers operate only in Alberta and Ontario where the electricity markets have been deregulated and where by law the generation, transmission and distribution activities must be performed by different companies.

B05075

Yes

No → Go to question 18

Delivery of electricity to consumers enrolled with retailers

16. What was the **volume in megawatt-hours (MWh)** of electricity delivered to the following types of **consumers enrolled with retailers**?

Exclude electricity delivered to other utilities or distributors.

Residential and agricultural consumers

- a. Residential — Single meter
- b. Residential — Bulk meter
- c. Family Farms (at farm rates or an estimate)
- d. Corporate farms and support activities
- e. Irrigation (at irrigation rates only)

**Volume
in MWh**

E62014_c1

E62014_c2

E62014_c3

E62014_c4

E62014_c5

E62014_c6

Total volume of electricity delivered to residential and agricultural consumers enrolled with retailers

**Volume
in MWh**

Mining and manufacturing consumers

- f. Iron ore mining
- g. Oil and gas extraction and support activities
- h. Other mining and support activities
- i. Food manufacturing
- j. Paper manufacturing
- k. Iron and steel manufacturing
- l. Aluminum and non-ferrous metal manufacturing
- m. Cement manufacturing
- n. Petroleum and coal products manufacturing
- o. Chemical, pesticide and fertilizer manufacturing
- p. Other manufacturing (not listed above)

E62016_c1

E62016_c2

E62016_c3

E62016_c4

E62016_c5

E62016_c6

E62016_c7

E62016_c8

E62016_c9

E62016_c10

E62016_c11

E62016_c12

Total volume of electricity delivered to mining and manufacturing consumers enrolled with retailers

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Other consumers

**Volume
in MWh**

q. Urban transit systems

E62017_c1

E62017_c2

r. Pipeline transportation and natural gas distribution

E62017_c3

s. Public administration

E62017_c4

t. Street lighting (estimate if necessary)

E62017_c5

u. Commercial and other Institutional (not listed above)

E62017_c6

Total volume of electricity delivered to other types of consumers enrolled with retailers

E62060

Total volume of electricity delivered to consumers enrolled with retailers

17. What was the **total number of customers** enrolled with retailers for each of the following customer types?
Exclude electricity delivered to other utilities or distributors.

Residential and agricultural consumers

**Number
of customers**

a. Residential – Single meter

E62015_c1

b. Residential – Bulk meter

E62015_c2

c. Family Farms (at farm rates or an estimate)

E62015_c3

d. Corporate farms and support activities

E62015_c4

e. Irrigation (at irrigation rates only)

E62015_c5

E62015_c6

Total number of residential and agricultural consumers enrolled with retailers

E62040

f. Mining and manufacturing industries

E62050

g. All other types of consumers enrolled with retailers

E62070

Total number of consumers enrolled with retailers

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Delivery of electricity to ultimate consumer

18. Does this business deliver electricity to 'end use' consumers?

B05149

- Yes
 No → Go to the end of the questionnaire

19. What was the **volume in megawatt-hours (MWh)** of electricity delivered to the following types of 'end use' consumers?

Exclude electricity delivered to other utilities or distributors.

Residential and agricultural consumers

**Volume
in MWh**

a. Residential — Single meter	E62018_c1
b. Residential — Bulk meter	E62018_c2
c. Family Farms (at farm rates or an estimate)	E62018_c3
d. Corporate farms and support activities	E62018_c4
e. Irrigation (at irrigation rates only)	E62018_c5
Total volume of electricity delivered to the residential and agricultural 'end use' consumers	E62018_c6

Mining and manufacturing consumers

**Volume
in MWh**

f. Iron ore mining	E62022_c1
g. Oil and gas extraction and support activities	E62022_c2
h. Other mining and support activities	E62022_c3
i. Food manufacturing	E62022_c4
j. Paper manufacturing	E62022_c5
k. Iron and steel manufacturing	E62022_c6
l. Aluminum and non-ferrous metal manufacturing	E62022_c7
m. Cement manufacturing	E62022_c8
n. Petroleum and coal products manufacturing	E62022_c9
o. Chemical, pesticide and fertilizer manufacturing	E62022_c10
p. Other manufacturing (not listed above)	E62022_c11
Total volume of electricity delivered to mining and manufacturing 'end use' consumers	E62022_c12

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Other consumers

**Volume
in MWh**

q. Urban transit systems	E62023_c1	<input type="text"/>
r. Pipeline transportation and natural gas distribution	E62023_c2	<input type="text"/>
s. Public administration	E62023_c3	<input type="text"/>
t. Street lighting (estimate if necessary)	E62023_c4	<input type="text"/>
u. Commercial and other Institutional (not listed above)	E62023_c5	<input type="text"/>

Total volume of electricity delivered to other types of 'end use' consumers

E62023_c6

Total volume of electricity delivered to 'end use' consumers

E62120

20. What was the **value** of electricity delivered to the following types of **end use** consumers?

Residential and agricultural consumers

CAN\$ '000

a. Residential – Single meter	E62019_c1	\$ <input type="text"/> ,000
b. Residential – Bulk meter	E62019_c2	\$ <input type="text"/> ,000
c. Family Farms (at farm rates or an estimate)	E62019_c3	\$ <input type="text"/> ,000
d. Corporate farms and support activities	E62019_c4	\$ <input type="text"/> ,000
e. Irrigation (at irrigation rates only)	E62019_c5	\$ <input type="text"/> ,000

Total value of electricity delivered to the residential and agricultural 'end use' consumers

E62019_c6 \$,000

f. Mining and manufacturing industries	E62080	\$ <input type="text"/> ,000
g. All other types of 'end use' consumers	E62100	\$ <input type="text"/> ,000

Total value of electricity delivered to 'end use' consumers

E62130 \$,000

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21. What was the **total number of customers** for electricity delivered to the following types of 'end use' consumers?

Residential and agricultural consumers

Number of customers

a. Residential — Single meter

E62021_c1

b. Residential — Bulk meter

E62021_c2

c. Family Farms (at farm rates or an estimate)

E62021_c3

d. Corporate farms and support activities

E62021_c4

e. Irrigation (at irrigation rates only)

E62021_c5

Total number of customers for electricity delivered to the residential and agricultural 'end use' consumers

E62021_c6

f. Mining and manufacturing industries

E62090

g. All other types of 'end use' consumers

E62110

Total number of customers for electricity delivered to 'end use' consumers

E62024

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Changes or events

21. Indicate any changes or events that affected the reported values for this business or organization compared with the last reporting period.

Mark all that apply.

B00302_t1

Strike or lock-out

B00302_t2

Exchange rate impact

B00302_t3

Price changes in goods or services sold

B00302_t4

Contracting out

B00302_t5

Organizational change

B00302_t6

Price changes in labour or raw materials

B00302_t7

Natural disaster

B00302_t8

Recession

B00302_t9

Change in product line

B00302_t10

Sold business or business units

B00302_t11

Expansion

B00302_t12

New or lost contract

B00302_t13

Plant closures

B00302_t14

Acquisition of business or business units

B00302_t15

Other changes or events — specify

B00302_t16

OR

B00302_t17

No changes or events

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Contact person

23. Statistics Canada may need to contact the person who completed this questionnaire for further information.

If the contact person is the same as on cover page, please check → **Go to "Feedback"**

Otherwise, who is the **best person to contact** about this questionnaire?

First name

Last name

Title

Email address (Example: user@example.gov.ca)

Telephone number (including area code)
Example: 123-123-1234

Extension number
(if applicable)

Fax number (including area code)
Example: 123-123-1234

Feedback

24. How long did it take to complete this questionnaire?

Include the time spent gathering the necessary information.....

Hours

Minutes

25. We invite your comments about this questionnaire.

B00002

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General information

Confidentiality

Your answers are confidential.

By law, Statistics Canada is prohibited from releasing any information it collects that could identify any person, business, or organization, unless consent has been given by the respondent, or as permitted by the *Statistics Act*. Statistics Canada will use the information from this survey for statistical purposes only.

Data-sharing agreements

To reduce respondent burden, Statistics Canada has entered into data-sharing agreements with provincial and territorial statistical agencies and other government organizations, which have agreed to keep the data confidential and use them only for statistical purposes. Statistics Canada will share survey data only with organizations that have demonstrated a requirement to use the data.

Section 11 of the *Statistics Act* provides for the sharing of information with provincial and territorial statistical agencies that meet certain conditions. These agencies must have the legislative authority to collect the same information, on a mandatory basis, and the legislation must provide substantially the same provisions for confidentiality and penalties for disclosure of confidential information as the *Statistics Act*. Because these agencies have the legal authority to compel businesses to provide the same information, consent is not requested and businesses may not object to the sharing of the data.

For this survey, there are **Section 11** agreements with the provincial and territorial statistical agencies of Newfoundland and Labrador, Nova Scotia, New Brunswick, Québec, Ontario, Manitoba, Saskatchewan, Alberta, British Columbia and the Yukon. The shared data will be limited to information pertaining to business establishments located within the jurisdiction of the respective province or territory.

Section 12 of the *Statistics Act* provides for the sharing of information with federal, provincial or territorial government organizations. Under **Section 12**, you may refuse to share your information with any of these organizations by writing a letter of objection to the Chief Statistician and returning it with the completed questionnaire. Please specify the organizations with which you do not want to share your data.

For this survey, there are **Section 12** agreements with the statistical agencies of Prince Edward Island, the Northwest Territories and Nunavut as well as with the Newfoundland and Labrador Department of Natural Resources, the Quebec Ministry of Energy and Natural Resources, the Manitoba Department of Growth, Enterprise and Trade, Alberta Energy, the British Columbia Ministry of Energy, Mines and Petroleum Resources, the National Energy Board, Natural Resources Canada and Environment and Climate Change Canada.

For agreements with provincial and territorial government organizations, the shared data will be limited to information pertaining to business establishments located within the jurisdiction of the respective province or territory.

Record linkages

To enhance the data from this survey and to reduce the reporting burden, Statistics Canada may combine the acquired data with information from other surveys or from administrative sources.

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Thank you for completing this questionnaire.

Please retain a copy for your records.

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