

# 2016 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 the supply of, and/or demand for, energy in Canada. This information serves as 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 this information in the corporate decision-making process.

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](http://www.statcan.gc.ca)**

## Reporting instructions

- Please print in ink.
- **Report** dollar amounts in **thousands of Canadian dollars** ('000).
- **Exclude** sales tax.
- Percentages should be rounded to whole numbers.
- Do not report in decimals. Round all values to the nearest whole number.
- When precise figures are not available, please provide your best estimates.
- Consult the reporting guide at [www.statcan.gc.ca/guides-e](http://www.statcan.gc.ca/guides-e) for further information.

## Business or organization and contact information

1. Please **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. Please **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

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

B00323

001  Operational → **Go to question 4**

002  Not currently operational

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

↳ Why is this business or organization not currently operational?

B00309

002  Seasonal operations → **Go to question 3a.**

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

004  Sold operations → **Go to question 3c.**

005  Amalgamated with (an) other business(es) or organization(s) → **Go to question 3d.**

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

007  No longer operating due to other reason(s) → **Go to question 3f.**

### 3a. Seasonal operations

When did this business or organization close for the season?

Date YYYY MM DD  
B00217

When does this business or organization expect to resume operations?

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

### 3b. Ceased operations

When did this business or organization cease operations?

Date YYYY MM DD  
B00211

Why did this business or organization cease operations?

B00311

001  Bankruptcy

002  Liquidation

003  Dissolution

004  Other reasons — specify:

B00312

} → **Go to question 4**

3c. Sold operations

When was this business or organization sold?

Date B00212

What is the legal name of the buyer?

B00406

→ Go to question 4

3d. Amalgamated with (an) other business(es) or organization(s)

When did this business or organization amalgamate?

Date B00213

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

B00407

What is (are) the legal name(s) of the other amalgamated business(es) or organization(s)?

B00408

→ Go to question 4

3e. Temporarily inactive but will re-open

When did this business or organization become temporarily inactive?

Date B00214

When does this business or organization expect to resume operations?

Date B00215

Why is this business or organization temporarily inactive?

B00313

→ Go to question 4

3f. No longer operating due to other reason(s)

When did this business or organization cease operations?

Date B00216

Why did this business or organization cease operations?

B00314

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4. Please **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

#{NAICS\_Title\_E.Prefill}

001



**Go to next section**

002

Other main activity → Please provide a **brief but precise description** of this business or organization's **main activity**.

e.g., breakfast cereal manufacturing, shoe store, software development

B05003

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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 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.

<b>Thermal</b>	<b>Volume in MWh</b>
	E42005_y1
a. Coal .....	<input type="text"/>
	E42005_y2
b. Natural gas .....	<input type="text"/>
	E42005_y9
c. Petroleum .....	<input type="text"/>
d. Other combustible sources — specify: B40097_y11	E42005_y10
<input type="text"/>	<input type="text"/>
	E42005_y11
<b>Total megawatt-hours generated from thermal</b>	<input type="text"/>

<b>Biomass</b>	E42005_y3
e. Wood .....	<input type="text"/>
	E42005_y4
f. Spent pulping liquor .....	<input type="text"/>
	E42005_y5
g. Methane (landfill gas) .....	<input type="text"/>
	E42005_y6
h. Municipal and other waste .....	<input type="text"/>
i. Other type of biomass — specify: B40097_y8	E42005_y7
<input type="text"/>	<input type="text"/>
	E42005_y8
<b>Total megawatt-hours generated from biomass</b>	<input type="text"/>

<b>Total electricity production from combustible fuels</b>	E45020
	<input type="text"/>

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**Volume  
in MWh**

j. Nuclear .....	E42006_m8	<input type="text"/>
k. Hydro .....	E42006_m9	<input type="text"/>
l. Tidal .....	E42006_m10	<input type="text"/>
m. Wind .....	E42006_m11	<input type="text"/>
n. Solar .....	E42006_m12	<input type="text"/>
o. Wave .....	E42006_m13	<input type="text"/>
p. Geothermal .....	E42006_m14	<input type="text"/>
q. Other noncombustible methods — specify: B05049_m16	E42006_m15	<input type="text"/>

<b>Total production of electricity</b>	E42000	<input type="text"/>
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**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?** .....

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



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
<b>Total volume and value of electricity, purchased or withdrawn from other domestic companies</b>	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 given as compensation for utilities or distributors
- Losses 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 given as compensation for utilities or distributors

#### Exclude:

- Electricity that is billed by another company.
- Losses 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 13

Volume  
in MWh

CAN\$ '000

E63008

E63009

12. What was the volume in **megawatt-hours (MWh)** and **value of exported electricity 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
	E62012_g1	E62013_g1
a. Newfoundland and Labrador .....	\$	,000
	E62012_g2	E62013_g2
b. Prince Edward Island .....	\$	,000
	E62012_g3	E62013_g3
c. Nova Scotia .....	\$	,000
	E62012_g4	E62013_g4
d. New Brunswick .....	\$	,000
	E62012_g5	E62013_g5
e. Quebec .....	\$	,000
	E62012_g6	E62013_g6
f. Ontario .....	\$	,000
	E62012_g7	E62013_g7
g. Manitoba .....	\$	,000
	E62012_g8	E62013_g8
h. Saskatchewan .....	\$	,000
	E62012_g9	E62013_g9
i. Alberta .....	\$	,000
	E62012_g10	E62013_g10
j. British Columbia .....	\$	,000
	E62012_g11	E62013_g11
k. Yukon .....	\$	,000
	E62012_g12	E62013_g12
l. Northwest Territories .....	\$	,000
	E62012_g13	E62013_g13
m. Nunavut .....	\$	,000
<b>Total volume and value of delivered electricity to other domestic businesses</b>	E62000	E62010
	\$	,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 only operate in Alberta and Ontario where the electricity markets have been deregulated and whereby by law the generation, transmission and distribution activities must be performed by different companies.

B05075

Yes

No → Go to question 18

## Delivery of electricity for 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**

### 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) .....

**Volume  
in MWh**

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**

**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** for electricity delivered to the following types of consumers enrolled with retailers?  
**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

**Total number of customers for electricity delivered to residential and agricultural consumers enrolled with retailers**

E62015\_c6

f. Mining and manufacturing industries .....

E62040

g. All other types of consumers enrolled with retailers .....

E62050

**Total number of customers for electricity delivered to consumers enrolled with retailers**

E62070

## 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

- 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**

E62018\_c1

E62018\_c2

E62018\_c3

E62018\_c4

E62018\_c5

E62018\_c6

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

### 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) .....

**Volume  
in MWh**

E62022\_c1

E62022\_c2

E62022\_c3

E62022\_c4

E62022\_c5

E62022\_c6

E62022\_c7

E62022\_c8

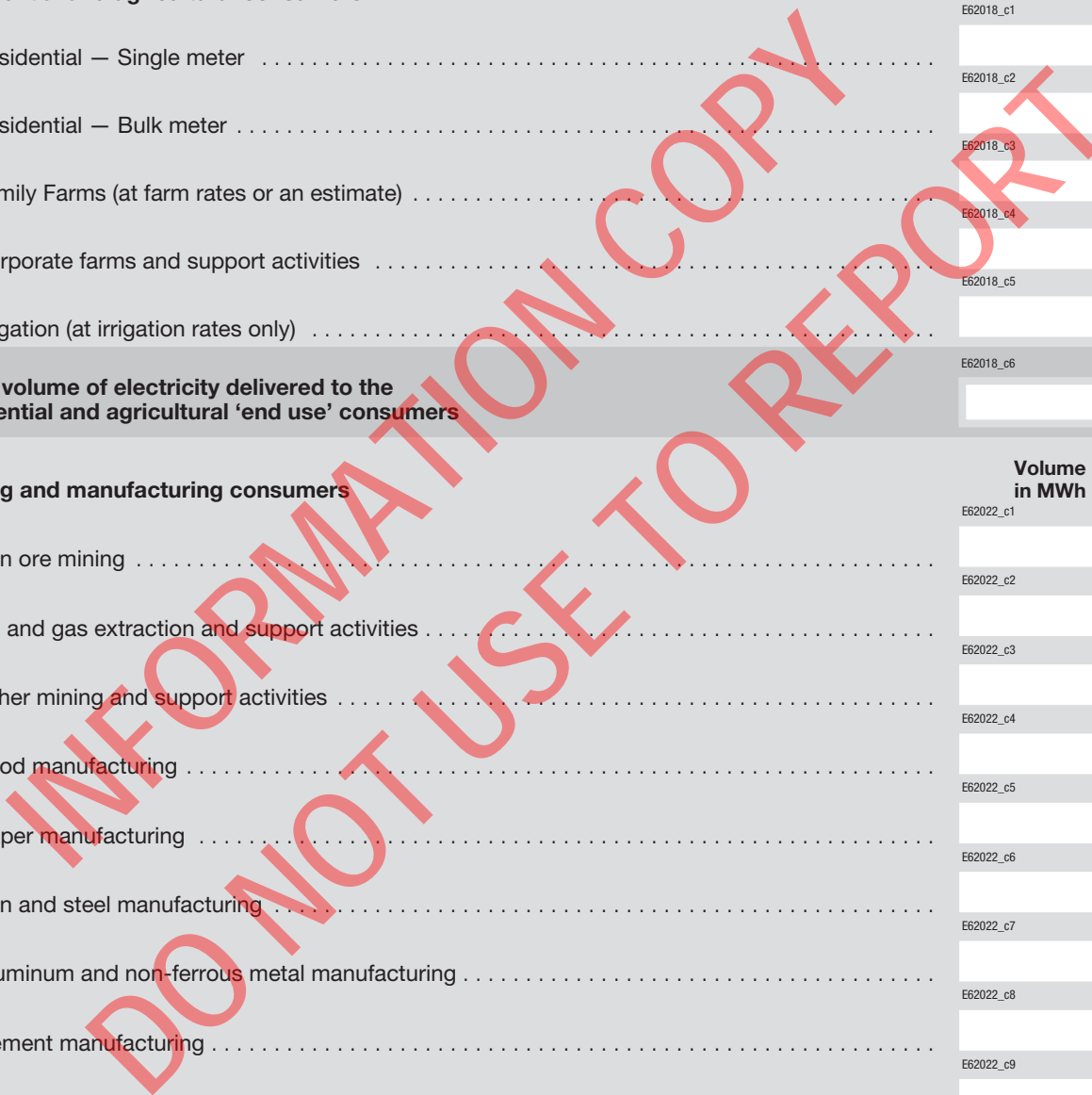
E62022\_c9

E62022\_c10

E62022\_c11

E62022\_c12

**Total volume of electricity delivered to mining and manufacturing 'end use' consumers**



**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

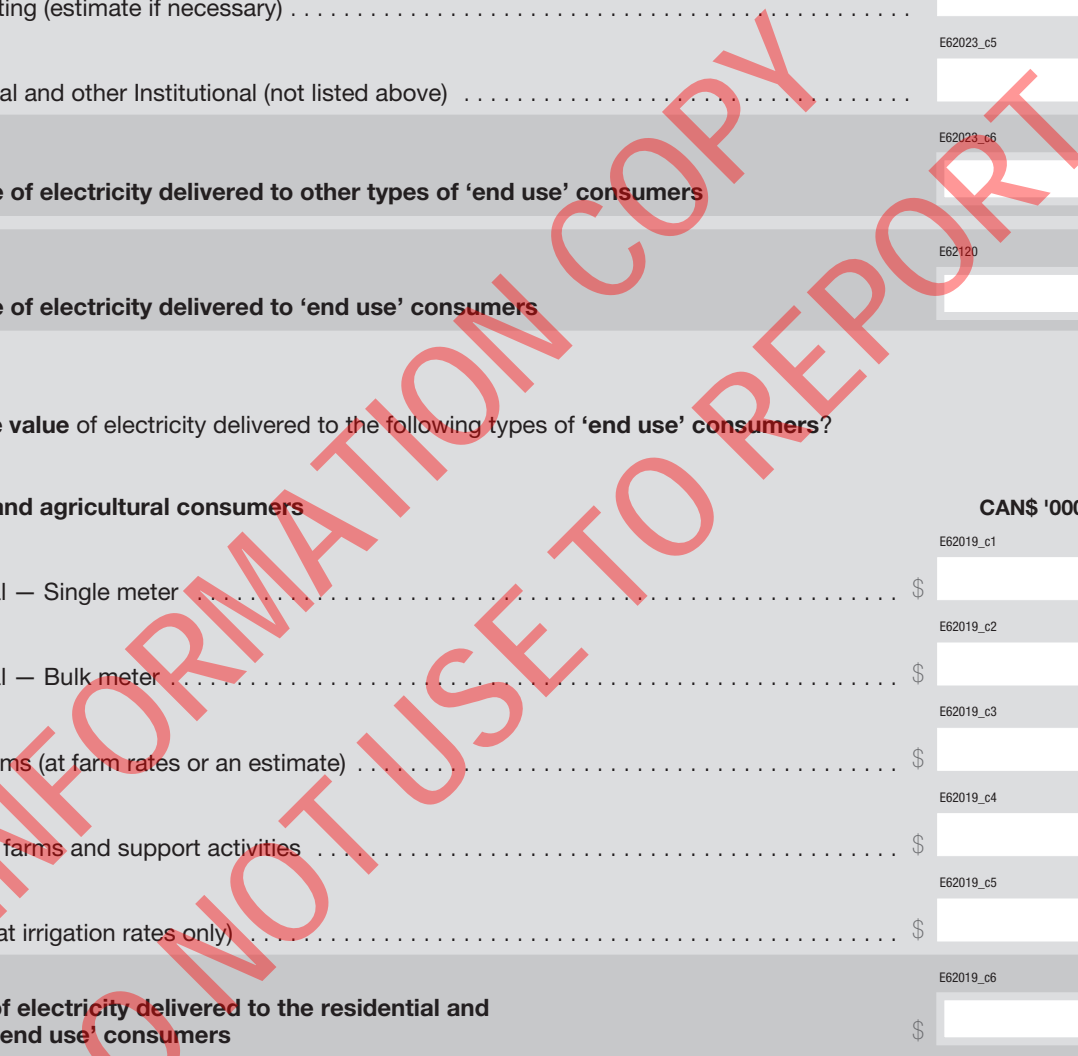
**Total value of electricity delivered to the residential and agricultural 'end use' consumers**

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



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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## Events

1. Please indicate below, any changes or events that may have affected the reported values for this business or organization compared to the last reporting period (mark all that apply):

B00302\_t1

strike or lockout

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 units

B00302\_t11

expansion

B00302\_t12

new/lost contract

B00302\_t13

plant closures

B00302\_t14

acquisition of business units

B00302\_t15

other change or event — please specify:

B00302\_t16

B00302\_t17

no change or event

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## General information

### Confidentiality

#### Your answers are confidential.

Statistics Canada is prohibited by law from releasing any information it collects which 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.

### 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 only share data from this survey with those 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, Quebec, 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 Ministère de l'énergie et des ressources naturelles du Québec, the Manitoba Department of Mineral Resources, Alberta Energy, the British Columbia Ministry of Energy and Mines, the British Columbia Ministry of Natural Gas Development, National Energy Board, Natural Resources Canada and Environment 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 minimize the reporting burden, Statistics Canada may combine it with information from other surveys or from administrative sources.

**Thank you for completing this questionnaire.**

**Please retain a copy for your records.**

**Visit our website, [www.statcan.gc.ca](http://www.statcan.gc.ca)**