

# 2017 Biennial Industrial Water Survey: Fossil-Fuel and Nuclear Electric Power Generating Plants

**CONFIDENTIAL once completed.**

Selon nos dossiers votre langue de préférence est l'anglais, si vous préférez recevoir ce document en français, veuillez nous appeler au numéro sans frais suivant : 1-866-445-4323 ou ATS 1-855-382-7745

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

Statistics Canada conducts this survey every two years to collect detailed information on water use by manufacturing, mining, and electrical power generating industries in Canada. The survey collects information on who uses water, how much, where and at what cost. These data will be used to develop environmental accounts and indicators.

The survey will ask about the following for your plant:

- the sources of water
- the treatment of water before it's used
- the initial uses of water
- the recirculation and reuse of water
- the treatment of water before it's discharged
- the ultimate points of water discharge
- the monthly breakdown of water intake and discharge
- the costs of acquiring water, maintaining and operating the water systems, and discharging water.

Data from this survey are used by all levels of government in establishing informed environmental policies. 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.

**Please return the questionnaire within 28 days.**

**Please mail the completed questionnaire in the enclosed envelope or fax it to Statistics Canada at 1-888-883-7999.**

If you are unable to complete within 28 days **OR** if you need help, call us at **1-866-445-4323** 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 provide your best estimate when exact figures are not available.
- Please enter "0" in the corresponding box if the water volume is zero.

## Business or organization and contact information

1. Please **provide** the business or organization's **legal and operating name**.

Legal name

Operating name (if applicable)

2. Please **provide the contact information** of the designated business or organization **contact person** for this questionnaire.

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

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
<input type="text"/>	<input type="text"/>	<input type="text"/>

When does this business or organization expect to resume operations?

Date B00218

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

 → Go to question 4

### 3b. Ceased operations

When did this business or organization cease operations?

Date B00211

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

Why did this business or organization cease operations?

B00311

1  Bankruptcy

2  Liquidation

3  Dissolution

4  Other  
Specify the other reasons for ceased operations

B00312

} → Go to question 4

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

For information only

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

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

2  This is **not** the current 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



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"/>

For information only

## General information

### 1. Was this plant **in operation at least one day** during the **2017** calendar year?

In operation **includes** plants that are temporarily closed but there was some form of water use **e.g.**, water for sanitary services like toilets and janitorial services, water use for cooling, condensing and steam plants.

B00336

1  Yes

↳ Which **months** was this plant **operational**?

Select all that apply.

B00336\_tp13

All months

**OR**

B00336\_tp1

January

B00336\_tp5

May

B00336\_tp9

September

B00336\_tp2

February

B00336\_tp6

June

B00336\_tp10

October

B00336\_tp3

March

B00336\_tp7

July

B00336\_tp11

November

B00336\_tp4

April

B00336\_tp8

August

B00336\_tp12

December

2  No

### 2. Was the plant **specified below located in** during the **2017** calendar year?

If the plant was situated in more than one location during 2017 please **report** the province or territory for the **last location** of the plant in the 2017 calendar year.

This information is being confirmed to ensure the reported figures contribute to the correct provincial or territorial estimates.

B00122

1  Yes

2  No

↳ In which **province or territory** was the plant **last located**?

Select all that apply.

B50000

01  Newfoundland and Labrador

06  Ontario

11  Yukon

02  Prince Edward Island

07  Manitoba

12  Northwest Territories

03  Nova Scotia

08  Saskatchewan

13  Nunavut

04  New Brunswick

09  Alberta

05  Quebec

10  British Columbia

3. In **2017**, what was the **average number of people** working on the premises of this plant in full-time equivalents (FTE)?

**Include** permanent, contract and casual employees that work on the premises.

Employment may be full-time or part-time, FTE converts part-time jobs to full-time jobs based on the hours worked. For example, if out of four employees employed at your plant one works full-time and the remaining three work the equivalent of half of a full time job, then FTE employment =  $1 + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} = 2.5$ .

When exact figures are not available, please provide your best estimate.

Number of people B00337

4. How many **days** did this plant **operate** in **2017**?

In operation **includes** plants that are temporarily closed but there was some form of water use **e.g.**, water for sanitary services like toilets and janitorial services, water use for cooling, condensing and steam or pollution control.

**Days** refers to calendar days.

When exact figures are not available, please provide your best estimate.

Days B00338

5. How many **weeks** did this plant **operate** in **2017**?

In operation **includes** plants that are temporarily closed but there was some form of water use **e.g.**, water for sanitary services like toilets and janitorial services, water use for cooling, condensing and steam or pollution control.

When exact figures are not available, please provide your best estimate.

Weeks B00339

6. On average, how many **days per week** did this plant **operate** in **2017**?

**Days** refers to calendar days.

When exact figures are not available, please provide your best estimate.

Days per week 00341

7. On average, how many **hours** did this plant **operate** in a day in **2017**?

**Days** refers to calendar days.

When exact figures are not available, please provide your best estimate.

Hours B00342

For information only

## Unit of measure

If you select a multiple of a unit of measure as your reporting unit, please take care to enter the correct decimal values or number of zeros when reporting water volumes in this questionnaire. **For example**, if thousands of imperial gallons is specified as the unit of measure, note that a reported quantity of 3.5 = 3,500 (3.5 thousand) imperial gallons, whereas a reported quantity of 3,500 = 3,500,000 (3.5 million) imperial gallons.

Please select only one unit of measure.

8. What **unit of measure** will be used to report **water volumes** throughout this questionnaire?

B00522

Cubic metres, or a multiple of cubic metres

↳ Select the multiple of **cubic metres** you will use to report water volumes throughout this questionnaire.

B00522\_md1

- a.  Cubic metres (m<sup>3</sup>)
- b.  Tens of cubic metres (10 m<sup>3</sup>)
- c.  Hundreds of cubic metres (100 m<sup>3</sup>)
- d.  Thousands of cubic metres (1,000 m<sup>3</sup>)
- e.  Millions of cubic metres (1,000,000 m<sup>3</sup>)

Litres, or a multiple of litres

↳ Select the multiple of **litres** you will use to report water volumes throughout this questionnaire.

B00522\_md2

- a.  Litres (L)
- b.  Hundreds of litres (10 L)
- c.  Thousands of litres (1,000 L)
- d.  Millions of litres (1,000,000 L)
- e.  Hectolitres (hL)
- f.  Kilolitres (kL)
- g.  Megalitres (ML)

Imperial gallons, or a multiple of imperial gallons

↳ Select the multiple of **imperial gallons** you will use to report water volumes throughout this questionnaire.

B00522\_md3

- a.  Imperial gallons (imp. gal.)
- b.  Hundreds of imperial gallons (100 imp. gal.)
- c.  Thousands of imperial gallons (1,000 imp. gal.)
- d.  Millions of imperial gallons (1,000,000 imp. gal.)



4  US gallons, or a multiple of US gallons



Select the multiple of **US gallons** you will use to report water volumes throughout this questionnaire.

B00522\_md4

- a.  US gallons (US gal.)
- b.  Hundreds of US gallons (100 US gal.)
- c.  Thousands of US gallons (1,000 US gal.)
- d.  Millions of US gallons (1,000,000 US gal.)

5  Cubic feet, or a multiple of cubic feet



Select the multiple of **cubic feet** you will use to report water volumes throughout this questionnaire.

B00522\_md5

- a.  Cubic feet (cu. ft.)
- b.  Tens of cubic feet (10 cu. ft.)
- c.  Hundreds of cubic feet (100 cu. ft.)

For information only

## Water intake by source and type

9. Please report the **volume of intake water** for the following types and sources.

If the water volume is zero, please enter "0" in the corresponding box.

When exact figures are not available, please provide your best estimate.

**2017**  
**volume of intake water**

### ► Freshwater

For the purpose of this survey, freshwater contains an average of 900 parts per million (ppm) or less of total dissolved solids.

- |   |   |
|---|---|
| <p>a. Public utility<br/>i.e., a municipal or city system of drawing, treating and distributing water</p>   | <p>E79007_y1_sc1</p> <input style="width: 100%; height: 20px;" type="text"/>  |
| <p>b. Self-supplied surface water system<br/>i.e., lake, river</p>  | <p>E79007_y1_sc2</p> <input style="width: 100%; height: 20px;" type="text"/>  |
| <p>c. Self-supplied groundwater system<br/>i.e., well, springs</p>  | <p>E79007_y1_sc3</p> <input style="width: 100%; height: 20px;" type="text"/>  |
| <p>d. Other freshwater sources<br/>e.g., delivery of water from a private supplier, an adjacent industry, rain water, run-off water<br/><b>Exclude</b> bottled water intended for personal consumption.</p> | <p>E79007_y1_sc90</p> <input style="width: 100%; height: 20px;" type="text"/> |

**Subtotal volume of freshwater intake in 2017**

E79007\_y1\_sc100

### ► Saline or brackish water

For the purpose of this survey, saline or brackish water contains on average of 900 parts per million (ppm) or less of total dissolved solids.

- |  |   |
|--|---|
| <p>a. Self-supplied groundwater system<br/>i.e., well, spring</p>  | <p>E79007_y2_sc3</p> <input style="width: 100%; height: 20px;" type="text"/>  |
| <p>b. Self-supplied tide water (salt water) body<br/>i.e., estuary, bay, ocean</p>   | <p>E79007_y2_sc4</p> <input style="width: 100%; height: 20px;" type="text"/>  |
| <p>c. Other saline or brackish water sources<br/>e.g., delivery of water from a private supplier, an adjacent industry</p> | <p>E79007_y2_sc90</p> <input style="width: 100%; height: 20px;" type="text"/> |

**Subtotal volume of saline or brackish water intake in 2017**

E79007\_y2\_sc100

**Total volume of intake water in 2017**

E79007\_y100\_sc100

## Treatment of intake water

10. Please report the volume of **intake water treated** within this plant **prior to initial use** for the following methods of treatment.

**Exclude** the treatment of used water, waste water or effluent. If a given volume of water undergoes more than one treatment, please **report** the volume of water for each type of treatment.

If the water volume is zero, please enter "0" in the corresponding box.

When exact figures are not available, please provide your best estimate.

2017  
volume of intake water  
treated

a. Screening

The removal of larger pieces of solid matter from water using a screen barrier.  
**Includes** the bulk screening of intake water at the source.

E79008\_m1

b. Filtration

The removal of smaller pieces of solid matter from water using a filter barrier.

E79008\_m2

c. Chlorination — disinfection

The addition of chlorine or other disinfectants to water.

E79008\_m3

d. Corrosion and slime control

**Includes** the control of scale, corrosion, biological growth and sludge.

E79008\_m4

e. Alkalinity control

The chemical treatment of water to attain required pH level.

E79008\_m5

f. Hardness or water softening

The removal of calcium and magnesium from water to reduce hardness.

E79008\_m6

g. Coagulation or flocculation

The absorption of particles in order to easily remove them from water.

E79008\_m7

h. Other category of treatment — Item 1

Other treatments **include** electrolysis, de-salination, etc.

E79007

E79008\_m91



i. Other category of treatment — Item 2

Other treatments **include** electrolysis, de-salination, etc.

E79007

E79008\_m92



j. Other category of treatment — Item 3

Other treatments **include** electrolysis, de-salination, etc.

E79007

E79008\_m93



For information only

## Water intake by initial use

11. Please report the **volumes of intake water by initial use**.

**Exclude** recirculated or reused water, **i.e.**, water that **leaves** a particular sub-system and **re-enters** it or is **used in another** sub-system. If the water volume is zero, please enter "0" in the corresponding box.

When exact figures are not available, please provide your best estimate.

**2017  
volume of intake water  
by use**

a. Cooling, condensing and steam

**i.e.**, water which does not come in direct contact with the products, materials or by-products of the processing operation

**Include:**

- pass-through water used in the operation of cooling or process equipment (including air conditioning)
- water introduced into boilers for the production of steam for either process operations or electric power.

E79009\_dt2

b. Pollution control

**i.e.**, any process that inhibits or reduces the production of pollutants during the course of power generation

**e.g.**, wet flu gas de-sulphurization

E79009\_dt3

c. Sanitary service or domestic use

**i.e.**, water used for toilets, janitorial services, lawn watering, washing vehicles

E79009\_dt4

d. Other purpose or use — Item 1

**Exclude** water pumped by the plant and intended for initial use outside the plant.

E79009\_dt91

e. Other purpose or use — Item 2

**Exclude** water pumped by the plant and intended for initial use outside the plant.

E79009\_dt92

f. Other purpose or use — Item 3

**Exclude** water pumped by the plant and intended for initial use outside the plant.

E79009\_dt93

**Total volume of intake water by initial use in 2017**

The sum of the intake water should equal the amount reported at question 9.

E79009\_dt100

For information only

## Water recirculation or reuse by purpose

12. Please report the **volumes of water recirculated or reused** by purpose. Every time a volume of water is recirculated or reused it should be counted.

Recirculated or reused water refers to water **used more than once** in your plant. It is water that **leaves** a sub-system and is then recirculated or reused in the same sub-system, or **used in a different** sub-system. It does not refer to water that circulates many times within the same sub-system **i.e.**, it **excludes** closed-loop systems.

If the water volume is zero, please enter "0" in the corresponding box.

When exact figures are not available, please provide your best estimate.

2017  
volume of water  
recirculated or reused

- a. Cooling, condensing and steam

**i.e.**, water which does not come in direct contact with the products, materials or by-products of the processing operation

**Include:**

- pass-through water used in the operation of cooling or process equipment (including air conditioning)
- water introduced into boilers for the production of steam for either process operations or electric power.

E79011\_dt2

- b. Pollution control

**i.e.**, any process that inhibits or reduces the production of pollutants during the course of power generation

**e.g.**, wet flu gas de-sulphurization

E79011\_dt3

E79011\_dt90

- c. Other purpose or use

E79011\_dt100

Total volume of water recirculated or reused in 2017

For information only

## Treatment of discharge water

13. Please report the volumes of water according to their **final point of discharge** and **most advanced treatment** process used at this plant.

For water that is subjected to more than one type (primary, secondary or tertiary) of treatment in preparation for discharge, please report those volumes only at the most advanced treatment process that is applied; in other words, please do not double-report treated water volumes.

### Treatment type:

- **no treatment:** the water that is discharged without treatment after use
- **primary / mechanical treatment:** the physical removal of large suspended, floating and precipitated solids from untreated wastewater using grates, screens and/or settling tanks
- **secondary / biological treatment:** the removal or reduction of effluent contaminants from primary wastewater treatment through the promotion of bacterial growth and other microbes that break down organic waste
- **tertiary / advanced treatment:** advanced cleaning of wastewater that goes beyond the secondary or biological stage, removing nutrients such as phosphorus, nitrogen, and most BOD and suspended solids through biological or chemical processes.

If the water volume is zero, please enter "0" in the corresponding box.

When exact figures are not available, please provide your best estimate.

	No treatment	Primary or mechanical	Secondary or biological	Tertiary or advanced
a. Public sewage system	E79012_m8_sc1 <input type="text"/>	E79012_m9_sc1 <input type="text"/>	E79012_m10_sc1 <input type="text"/>	E79012_m11_sc1 <input type="text"/>
b. Surface freshwater bodies	E79012_m8_sc5 <input type="text"/>	E79012_m9_sc5 <input type="text"/>	E79012_m10_sc5 <input type="text"/>	E79012_m11_sc5 <input type="text"/>
c. Tide water (ocean)	E79012_m8_sc4 <input type="text"/>	E79012_m9_sc4 <input type="text"/>	E79012_m10_sc4 <input type="text"/>	E79012_m11_sc4 <input type="text"/>
d. Groundwater	E79012_m8_sc3 <input type="text"/>	E79012_m9_sc3 <input type="text"/>	E79012_m10_sc3 <input type="text"/>	E79012_m11_sc3 <input type="text"/>
e. Other point of discharge	E79012_m8_sc90 <input type="text"/>	E79012_m9_sc90 <input type="text"/>	E79012_m10_sc90 <input type="text"/>	E79012_m11_sc90 <input type="text"/>
<b>Subtotal volume of discharge water</b>	E79012_m8_sc100 <input type="text"/>	E79012_m9_sc100 <input type="text"/>	E79012_m10_sc100 <input type="text"/>	E79012_m11_sc100 <input type="text"/>
<b>Total volume of discharge water in 2017</b>				E79012_m100_sc100 <input type="text"/>

For information only

## Monthly water intake and discharge

14. In **2017**, what was the monthly water intake and discharge for this plant?

If the water volume is zero, please enter "0" in the corresponding box.

When exact figures are not available, please provide your best estimate.

	Volume of water intake	Volume of water discharge
a. January	E79007_tp1 <input type="text"/>	E79012_tp1 <input type="text"/>
b. February	E79007_tp2 <input type="text"/>	E79012_tp2 <input type="text"/>
c. March	E79007_tp3 <input type="text"/>	E79012_tp3 <input type="text"/>
d. April	E79007_tp4 <input type="text"/>	E79012_tp4 <input type="text"/>
e. May	E79007_tp5 <input type="text"/>	E79012_tp5 <input type="text"/>
f. June	E79007_tp6 <input type="text"/>	E79012_tp6 <input type="text"/>
g. July	E79007_tp7 <input type="text"/>	E79012_tp7 <input type="text"/>
h. August	E79007_tp8 <input type="text"/>	E79012_tp8 <input type="text"/>
i. September	E79007_tp9 <input type="text"/>	E79012_tp9 <input type="text"/>
j. October	E79007_tp10 <input type="text"/>	E79012_tp10 <input type="text"/>
k. November	E79007_tp11 <input type="text"/>	E79012_tp11 <input type="text"/>
l. December	E79007_tp12 <input type="text"/>	E79012_tp12 <input type="text"/>
<b>Total volume in 2017</b>	E79007_tp100 <input type="text"/>	E79012_tp100 <input type="text"/>

15. If the **total discharge volume** is **greater** than the **total intake volume**, please indicate the **reasons**.

B00343

Reason

## Water acquisition costs

16. Please report this plant's **2017** water acquisition costs.

When exact figures are not available, please provide your best estimate.

**2017  
cost in CAN\$**

a. Payment to public utility

**Report** cost for water volume reported at question 11.

If possible **include** only the portion paid for water and **exclude** sewer charges.

F62551\_sr1

\$  .00

b. Annual intake licences, permits and royalties

Please **report** the annual cost of intake licences, permits and royalties.

If not purchased annually, please provide the pro-rated cost.

F62551\_sr2

\$  .00

c. Payment for purchase of water from another operator and/or industrial supplier

F62551\_sr3

\$  .00

17. Does the payment to a public utility reported at question 16 include a **sewer surcharge**?

If no **sewer surcharge** was reported please select "Not applicable".

Sewer surcharge refers to the payment to a public utility for the ongoing maintenance and operation of sewer infrastructure and the treatment and discharge of water to a public sewage system.

B00523

1  Yes

2  No

3  Not applicable

## Water operating and maintenance costs

18. Please report the total **2017** operating and maintenance cost for this plant's water systems.

**Include** the material, labour and energy costs incurred to operate and maintain your water systems.

Consider the systems at your plant which:

- **bring** in water
- **treat intake** water
- **recirculate and reuse** water
- **treat discharge** water

When exact figures are not available, please provide your best estimate.

F61083\_v100

**Total cost in CAN\$**

\$  .00



19. Of the reported costs at question 18, what were the **2017 operating and maintenance costs** for the following water systems?

When exact figures are not available, please provide your best estimate.

	2017 cost in CAN\$
<p>a. Intake water acquisition  <b>Include</b> the material, labour and energy costs incurred to operate and maintain the systems that bring water into your plant.</p>	<p>F61083_v1                      \$ <input type="text"/> .00</p>
<p>b. Intake water treatment  <b>Include</b> the material, labour and energy costs incurred to operate and maintain the systems to treat water brought into your plant.</p>	<p>F61083_v2                      \$ <input type="text"/> .00</p>
<p>c. Water recirculation and reuse  <b>Include</b> the material, labour and energy costs incurred to operate and maintain the systems to recirculate and reuse water in your plant.</p>	<p>F61083_v3                      \$ <input type="text"/> .00</p>
<p>d. Discharge water treatment  <b>Include</b> the material, labour and energy costs incurred to operate and maintain the systems to treat water discharge by your plant.</p>	<p>F61083_v4                      \$ <input type="text"/> .00</p>
<p><b>Total operating and maintenance costs in 2017</b></p>	<p>F61083_v100PF1                      \$ <input type="text"/> .00</p>

### Other details

20. In **2017**, what were this plant's **capital expenditures** on water intake, discharge or treatment facilities?

**Include** all relevant outlays for machinery and equipment purchases, and their installation, as well as for construction related to water intake, discharge and treatment **i.e.**, called capital outlay or capital expense.

**Exclude** operating and maintenance costs.

**For example**, the most common capital expenditures **include**:

- purchase and/or installation of new equipment
- purchase of new machinery or transportation equipment
- creation of new well or ground water installation.

When exact figures are not available, please provide your best estimate.

<p><b>Capital expenditures in CAN\$</b></p>	<p>F80134                      \$ <input type="text"/> .00</p>
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21. In **2017**, please report the **amount of electricity** produced at this plant for the following:

	2017 amount of electricity produced (MWh)
<p>a. Net generation  <b>i.e.</b>, gross power generation minus station service</p>	<p>E42093  <input type="text"/></p>
<p>b. Station service  <b>i.e.</b>, the amount of generated power that is used by the generating facility (facility use)</p>	<p>E64014  <input type="text"/></p>

22. In **2017**, what was the **gross electrical generation capacity** of this plant?

**i.e.**, the maximum power capability of the generating system or system capacity.

**MW** .....

B11003

### Changes or events

23. Please provide a **brief, precise description** of any changes or events that affected the reported water or cost values for this plant, compared with the last reporting period.

**e.g.**, expansion, temporary shutdown, closures, changes to water monitoring or the production process

**Describe these changes or events**


For information only

## Contact person

24. 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

25. How long did it take to complete this questionnaire? Hours   Minutes    
**Include** the time spent gathering the necessary information .....

26. We invite your comments about this questionnaire.

B00002

  
  
  
  
  
  
  
  
  
  


For information only

## 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, specifying the organizations with which you do not want Statistics Canada to share your data and mailing it to the following address:

Chief Statistician of Canada  
Statistics Canada  
Attention of Director, Enterprise Statistics Division  
150 Tunney's Pasture Driveway  
Ottawa, Ontario  
K1A 0T6.

You may also contact us by email at [statcan.esd-helpdesk-dse-bureaudepannage.statcan@canada.ca](mailto:statcan.esd-helpdesk-dse-bureaudepannage.statcan@canada.ca) or by fax at 613-951-6583.

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 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)**