

Canada's Core Public Infrastructure Survey, 2016 Asset Management

Please verify the business or organization name, contact person and address for this questionnaire and correct where needed on page 2 of this questionnaire.

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.

The purpose of this survey

Statistics Canada is undertaking this survey to provide useful statistical information on the stock, condition, performance and asset management strategies of Canada's core public infrastructure assets owned or leased by the various levels of government and Indigenous entities.

The information compiled by this survey will be used by analysts and policy-makers to better understand the current condition of Canada's core infrastructure. This will enable all levels of government to develop policies to support the efforts in improving Canada's core public infrastructure and help monitor and report progress on achievement of desired outcomes. Your information may also be used by Statistics Canada for other statistical and research purposes.

Confidentiality

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, Northwest Territories and Nunavut, as well as with Infrastructure 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, Statistics Canada may combine it with information from other surveys or from administrative sources.

Further Information

If you require assistance regarding this survey, please contact Statistics Canada by telephone at

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

Who should complete this questionnaire?

Canada's Core Public Infrastructure Survey should be coordinated by the organization's asset manager who will ensure that each asset specific questionnaire is completed by its respective manager.

Please return the questionnaire within 21 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 21 days **OR** if you need help, call us at

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.
- Please report for reference year 2016.
- **Report** dollar amounts in **Canadian dollars**.
- **Exclude** sales tax.
- Percentages should be rounded to whole numbers.
- When precise figures are not available, please provide your best estimates.

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

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Canada's core public infrastructure can vary within each municipality in Canada as a result of size of population, geographic location and overall economic condition. Canada's core public infrastructure survey will be measuring the following key components within the municipality: asset ownership; asset management planning; overall condition of core public asset infrastructure and overall performance of these core public assets.

Organization refers to municipal, regional, provincial, federal government or Indigenous entities (such as a Band council) who own a core public infrastructure.

Own refers to assets owned by your organization as well as assets leased by your organization through a capital lease agreement.

Core public asset infrastructure ownership

This section is to establish which of the core public infrastructure assets or facilities your organization owns or leases. For all assets or facilities that your organization owns or leases, please complete the asset specific questionnaires included in the survey package.

For assets or facilities that your organization does not own or lease, please mark the box labeled "This organization does not own or lease this asset" in the left corner of the asset specific questionnaire.

1. In 2016, did your organization own and operate any public transit assets?

Public transit assets include the following:

Rolling stock public transit assets include: buses, streetcars, ferries, heavy railcars (subway), commuter railcars (locomotives and passenger), light railcars, and specialized transit (para or handi transpo and dial a ride) owned by your organization or leased by your organization through a capital lease agreement and used for revenue service.

Fixed public transit assets include: passenger stations / terminals, transit shelters, exclusive rights-of-way, car stalls, bicycle racks and shelters, passenger drop off facilities ("kiss and ride"), maintenance and storage facilities (garage, railway shops and service facilities), transit exclusive bridges, tunnels, tracks, and roads owned by your organization or leased by your organization through a capital lease agreement.

COA01101

Yes → **Note:** You must complete the **Public transit assets questionnaire**.

No → **1a. In 2016, did another municipality or organization provide your organization any public transit services?**

COA01102

Yes, please list these municipalities or organizations

COA01103

COA01104

COA01105

No

2a. In 2016, did your organization own and operate any non-linear potable water assets?

Non-linear potable water system assets include: water treatment facilities; water reservoirs (including dams) before intake; storage tanks after intake not part of a treatment plant; and water pump stations owned by your organization or leased by your organization through a capital lease agreement. **Exclude** water treatment facility high or low lift pump stations.

COA02101

1 Yes

→ **Note:** You must complete the **Potable water assets questionnaire.**

3 No

→ **aa. In 2016, did another municipality or organization provide your organization any non-linear potable water services?**

COA02102

1 Yes, please list these municipalities or organizations

COA02103

COA02104

COA02105

3 No

2b. In 2016, did your organization own and operate any linear potable water assets?

Linear potable water system assets (pipes) include: local water pipes (diameter less than 416 mm) and transmission pipes (diameter greater than or equal to 416mm) owned by your organization or leased by your organization through a capital lease agreement. **Exclude** service connections, hydrant leads and standpipe leads.

COA02201

1 Yes

→ **Note:** You must complete the **Potable water assets questionnaire.**

3 No

→ **bb. In 2016, did another municipality or organization provide your organization any linear potable water services?**

COA02202

1 Yes, please list these municipalities or organizations

COA02203

COA02204

COA02205

3 No

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3a. In 2016, did your organization own and operate any non-linear wastewater assets?

Non-linear wastewater assets include wastewater treatment plants, lagoon systems, wastewater pump stations and wastewater storage tanks owned by your organization or leased by your organization through a capital lease agreement.

COA03101

1 Yes



Note: You must complete the **Wastewater assets questionnaire**.

3 No



aa. In 2016, did another municipality or organization provide your organization any non-linear wastewater services?

COA03102

1 Yes, please list these municipalities or organizations

COA03103

COA03104

COA03105

3 No

3b. In 2016, did your organization own and operate any linear wastewater assets?

Linear wastewater assets include sewer pipes and sanitary forcemains owned by your organization or leased by your organization through a capital lease agreement.

COA03201

1 Yes



Note: You must complete the **Wastewater assets questionnaire**.

3 No



bb. In 2016, did another municipality or organization provide your organization any linear wastewater services?

COA03202

1 Yes, please list these municipalities or organizations

COA03203

COA03204

COA03205

3 No

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4. In 2016, did your organization own and operate any storm water assets?

Storm water assets include the following:

Non-linear storm water assets include storm water drainage pump stations; storm water management facilities – storm water management ponds and storm water wetlands; and storm water management facilities – all other permitted, end-of-pipe facilities owned by your organization or leased by your organization through a capital lease agreement.

Linear storm water assets include culverts less than 3 meters in diameter, open ditches, storm water pipes (diameter: < 450 mm), storm water pipes (diameter: ≥ 450 mm to < 1,500 mm), and storm water pipes (diameter: ≥ 1,500 mm) owned by your organization or leased by your organization through a capital lease agreement.

COA04101

1 Yes

→ **Note:** You must complete the **Storm water assets questionnaire**.

3 No

5. In 2016, did your organization own and operate any road assets?

Road assets include all paved and unpaved urban and rural roads: highways; arterial roads; collector roads; local roads; lanes; and alleys; and sidewalks owned by your organization or leased by your organization through a capital lease agreement. **Exclude** transit exclusive right of ways.

Unpaved roads include any road surface that is unsealed, such as gravel roads or dirt roads owned by your organization.

Paved roads include any road surface that is sealed in some manner such as portland cement concrete, asphalt concrete, chipseal, and other hard or sealed surface owned by your organization.

COA05101

1 Yes

→ **Note:** You must complete the **Road assets questionnaire**.

3 No

6. In 2016, did your organization own and operate any bridge and tunnel assets?

Bridge and tunnel assets include the following:

Bridges include highway and expressway bridges, arterial bridges, collector bridges, local bridges and footbridges owned by your organization. **Include** grade separation. **Exclude** bridges in parks and transit exclusive bridges.

Culverts include crossings with diameter greater than or equal to 3 metres owned by your organization.

Tunnels include all tunnels owned by your organization. **Exclude** tunnels in parks and transit exclusive tunnels.

COA06101

1 Yes

→ **Note:** You must complete the **Bridge and tunnel assets questionnaire**.

3 No

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7a. In 2016, did your organization own and operate any solid waste assets for the provision of collection of solid waste?

Collection assets: Waste, recyclable and organic materials collection methods include curbside collection, back door pick-ups, and automated collection. The waste, recyclable or organic materials may be taken to an intermediate site or to a final disposal site. Include collection assets owned by your organization or leased by your organization through a capital lease agreement.

COA07101

1 Yes → **Note:** You must complete the **Solid waste assets questionnaire.**

3 No → **aa. In 2016, did another municipality or organization provide your organization with any solid waste collection assets?**

COA07102

1 Yes, please list these municipalities or organizations

COA07103

COA07104

COA07105

3 No

7b. In 2016, did your organization own and operate any solid waste transfer station assets?

Transfer station assets include facilities at which wastes transported by vehicles involved in collection are transferred to other vehicles that will transport the wastes to a disposal (landfill or incinerator) or recycling facility. Include transfer station assets owned by your organization or leased by your organization through a capital lease agreement.

COA07201

1 Yes → **Note:** You must complete the **Solid waste assets questionnaire.**

3 No → **bb. In 2016, did another municipality or organization provide your organization with any solid waste transfer station assets?**

COA07202

1 Yes, please list these municipalities or organizations

COA07203

COA07204

COA07205

3 No

7c. In 2016, did your organization own and operate any waste diversion assets?

Waste diversion assets include composting facilities, materials recovery facilities, anaerobic digestion facilities owned by your organization or leased by your organization through a capital lease agreement.

COA07301

1 Yes → **Note:** You must complete the **Solid waste assets questionnaire.**

3 No → **cc. In 2016, did another municipality or organization provide your organization with any solid waste diversion assets?**

COA07302

1 Yes, please list these municipalities or organizations

COA07303

COA07304

COA07305

3 No

7d. In 2016, did your organization own and operate any solid waste disposal assets?

Waste disposal assets include engineered landfills (active), dump sites (active), closed sites (inactive engineered landfills and dumps), incinerators and energy from waste facilities owned by your organization or leased by your organization through a capital lease agreement.

COA07401

1 Yes → **Note:** You must complete the **Solid waste assets questionnaire.**

3 No → **dd. In 2016, did another municipality or organization provide your organization with any solid waste disposal assets?**

COA07402

1 Yes, please list these municipalities or organizations

COA07403

COA07404

COA07405

3 No

7e. Provide the percent breakdown of solid waste services to your jurisdiction that were provided by your organization (in-house), the private sector, or another municipality in 2016.

Each reporting service must total to 100%.

	Organization (In-house)	Private Sector	Another municipality	Do not know	Total
	%				
Solid waste services					
Collection	COA07501 [][][][]	COA07601 [][][][]	COA07701 [][][][]	COA07801 [][][][]	100%
Transfer Stations	COA07502 [][][][]	COA07602 [][][][]	COA07702 [][][][]	COA07802 [][][][]	100%
Waste Diversion	COA07503 [][][][]	COA07603 [][][][]	COA07703 [][][][]	COA07803 [][][][]	100%
Waste Disposal	COA07504 [][][][]	COA07604 [][][][]	COA07704 [][][][]	COA07804 [][][][]	100%

8. In 2016, did your organization own and operate any public social and affordable housing assets?

Public social and affordable housing, for the purposes of this survey, refers to publicly-owned housing units that are owned and/or operated by a level of government (federal, provincial, territorial, or municipal) and Indigenous entities aiming to provide affordable, safe and supportive housing for low-to-moderate-income households. It encompasses ownership and rental housing as well as emergency and supportive shelters for different population groups. Other characteristics include where bricks and mortar and operating deficits are financed through public funding, and where households receive housing subsidies or pay a rent geared to their income which is lower than what the private market would ask for the same shelter.

COA08101

Yes



Note: You must complete the **Public social and affordable housing assets questionnaire**.

No



8a. In 2016, did another municipality, organization or level of government provide your organization with any social and affordable housing services?

COA08102

Yes, please list these municipalities, organizations, or level of governments

COA08103 [][][][][]	COA08108 [][][][][]
COA08104 [][][][][]	COA08109 [][][][][]
COA08105 [][][][][]	COA08110 [][][][][]
COA08106 [][][][][]	COA08111 [][][][][]
COA08107 [][][][][]	COA08112 [][][][][]

No

9. In 2016, did your organization own and operate any culture, recreation, and sport facilities?

Culture, recreation and sport facilities include the following:

Ice arena facilities include: indoor ice arenas (single pad; 2–3 pads; 4 pads; 5 pads or more) and outdoor ice arenas owned by your organization or leased by your organization through a capital lease agreement.

Pool facilities include: indoor pools (25 metres; 50 metres or longer and leisure pools); outdoor pools; wading pools and splash pads owned by your organization or leased by your organization through a capital lease agreement.

Arts and culture facilities include: galleries; libraries; museums and archives; and presentation and performance spaces owned by your organization or leased by your organization through a capital lease agreement.

Other facilities include skate parks (indoor / outdoor); indoor curling rinks; stadiums (indoor / outdoor); tennis courts (indoor / outdoor); sports field (indoor / outdoor) and community centres (seniors centres and youth centres) owned by your organization or leased by your organization through a capital lease agreement.

Multi-purpose facilities include a combination of various facility components such as a pool, arena, fitness centre, meeting rooms, seniors' centre, gallery, museum, training space and presentation space owned by your organization or leased by your organization through a capital lease agreement.

COA09101

1 Yes

→ **Note:** You must complete the **Culture, recreation and sport facilities questionnaire.**

3 No →

9a. In 2016, was there a formal arrangement with another municipality or organization to provide your organization with any culture, recreation and sport services?

COA09102

1 Yes, please list these municipalities or organizations

COA09103

COA09104

COA09105

3 No

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Asset Management Planning

10. Does your organization have a documented asset management plan that incorporates multiple assets such as public transit; potable water; wastewater; storm water; solid waste; roads; bridges and tunnels; culture, recreation and sports; and social and affordable housing?

An **Asset Management Plan** defines how a group of assets is to be managed over a period of time. The asset management plan describes the characteristics and condition of infrastructure assets, the levels of service expected from them, planned actions to ensure the assets are providing the expected level of service, and financing strategies to implement the planned actions.

COG10101

1 Yes

3 No → Please go to question 13

11. How often does your organization update this documented asset management plan?

Mark one only

COG11101

1 Every year

2 Every two to four years

3 Every five years or more

4 Does not update

5 Other – please specify:

COG11205

6 Do not know

12. What assets are included in your organization's documented asset management plan?

Mark all that apply

COG12101 Public transit

COG12102 Potable water

COG12103 Storm water

COG12104 Wastewater

COG12105 Solid waste

COG12106 Roads

COG12107 Bridges and tunnels

COG12108 Social and affordable housing

COG12109 Culture, recreation and sports

COG12110 Other – please specify:

COG12210

COG12111 None of the above

COG12112 Do not know

→ Please go to question 14

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13. When does your organization plan on implementing a documented asset management plan?

Mark one only

COG13101

1 In one year

2 In two to four years

3 In five years or more

4 Other – please specify:

COG13204

5 Do not plan to implement a documented asset management plan

6 Do not know

14. What type of asset management information system does your organization use?

Mark all that apply

COG14101 Custom asset management software

COG14102 Off-the-shelf asset management software

COG14103 Spreadsheet

COG14104 Paper records

COG14105 Other – please specify:

COG14205

COG14106 No asset management information system

COG14107 Do not know

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15. For which of the following asset categories does climate change adaptation factor into your organization's decision-making process?

Climate change is a long-term shift in weather conditions identified by changes in temperature, precipitation, winds, and other indicators. Climate change can involve both changes in average conditions and changes in variability, including, for example, extreme events.

Climate change adaptation: anticipating or monitoring climate change and undertaking actions to address the consequences of climate change.

Mark all that apply

COG15101 Public transit

COG15102 Potable water

COG15103 Storm water

COG15104 Wastewater

COG15105 Solid waste

COG15106 Roads

COG15107 Bridges and tunnels

COG15108 Social and affordable housing

COG15109 Culture, recreation and sports

COG15110 Other – please specify:

COG15210

COG15111 Not a factor in decision-making process

COG15112 Do not know

16. For which of the following asset categories does a risk management strategy factor into your organization's decision-making process?

Risk management: An organization's risk management plan describes how it intends to manage risk. It describes the management components, the approach and the resources that will be used to manage risk. Typical management components include procedures, practices, responsibilities, and activities (including their sequence and timing).

Mark all that apply

COG16101 Public transit

COG16102 Potable water

COG16103 Storm water

COG16104 Wastewater

COG16105 Solid waste

COG16106 Roads

COG16107 Bridges and tunnels

COG16108 Social and affordable housing

COG16109 Culture, recreation and sports

COG16110 Other – please specify:

COG16210

COG16111 Not a factor in decision-making process

COG16112 Do not know

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17. In 2016, for which asset categories did your organization consider using natural infrastructure to provide new municipal services or complement existing municipal services?

Natural infrastructure: The use of naturally occurring resources (such as an aquifer, wetland, forest, shoreline vegetation, etc.), or engineered use of natural resources (such as green roofs, bioswales/rain gardens, tree-lined streets, etc.) to provide or complement infrastructure services or to adapt infrastructure to the impacts of climate change and climate-related disaster mitigation (increased precipitation, storm tides, extreme heat, permafrost degradation, etc.).

Mark all that apply.

- COG17101 Potable water
- COG17102 Storm water
- COG17103 Wastewater
- COG17104 Public transit
- COG17105 Roads
- COG17106 Other
- COG17107 None of the above

18a. In 2016, did your organization consider accessibility requirements when making decision about providing municipal services?

Accessibility: This means taking appropriate measures to ensure persons with disabilities have access, on an equal basis with others, to the physical environment, to transportation, and to other facilities and services open and provided to the public, both in urban and rural areas.

- COG18101
- 1 Yes
- 3 No → Please go to next section – Contact person

18b. How important were accessibility requirements in your organization’s decision-making process for the following asset categories?

Please select one degree of importance per asset.

		High importance	Medium importance	Low importance	Do not know
Public transit	COG18201	01 <input type="radio"/>	02 <input type="radio"/>	03 <input type="radio"/>	04 <input type="radio"/>
Roads	COG18202	01 <input type="radio"/>	02 <input type="radio"/>	03 <input type="radio"/>	04 <input type="radio"/>
Bridges and tunnels	COG18203	01 <input type="radio"/>	02 <input type="radio"/>	03 <input type="radio"/>	04 <input type="radio"/>
Social and affordable housing	COG18204	01 <input type="radio"/>	02 <input type="radio"/>	03 <input type="radio"/>	04 <input type="radio"/>
Culture, recreation and sports	COG18205	01 <input type="radio"/>	02 <input type="radio"/>	03 <input type="radio"/>	04 <input type="radio"/>

Contact person

1. 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

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

Include the time spent gathering the necessary information.

Hours Minutes

2. We invite your comments about this questionnaire.

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