

Survey of Environmental Goods and Services, 2012

Confidential when completed.

Si vous préférez ce questionnaire en français, veuillez nous appeler au numéro sans frais suivant: 1-866-445-4323.

Please provide your email address.

Email address
0009

Please verify the business name, address and contact name, and correct where needed.

Company name
0001

Establishment name
0002

C/O
0021

Address
0004

City
0005

Province/Territory C0007 Postal code

Introduction

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.

Purpose of the survey

This survey collects data on sales of environmental goods and services. These data will be aggregated with information from other sources to produce official estimates of national and provincial/territorial economic activity related to environmental protection. For further information, please consult the enclosed Reporting Guide.

The results of this survey will be published in the Statistics Canada Catalogue no. 16F0008XIE.

For more information on this survey, please access www.statcan.gc.ca.

Confidentiality

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

Information on data-sharing agreements can be found in the guide accompanying this questionnaire.

Fax or e-mail transmission disclosure

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

Inquiries

If you require assistance in completing this questionnaire or if you have any questions or comments regarding this survey, please refer to the Guide to Definitions and Classification Details found at the end of this questionnaire or contact:

Statistics Canada

Telephone (toll-free): **1-866-445-4323**

E-mail: enviro-segs@statcan.gc.ca

In all correspondence concerning this questionnaire, please quote the identification number that appears on the address label.

Record linkages

To enhance the data from this survey, Statistics Canada may combine it with information from other surveys or from administrative sources.

Coverage

Please include in this questionnaire the data for the establishment identified above.

Important :

Please return the completed questionnaire to Statistics Canada in the enclosed envelope within 30 days of receipt. If you are unable to do so, kindly inform our office of the expected completion date.

The reporting unit for this survey is an establishment. An establishment is generally a single physical location where industrial operations are performed or where services are provided and from which the accounting data required to measure production is available (principal inputs, revenues, salaries, wages).

A - Reporting period information

1. Please report information for this establishment's fiscal period **ending between April 1, 2012 and March 31, 2013**. Please indicate below the reporting period covered by this questionnaire.

Example: If your 12-month fiscal period ends September 30, please report for the year starting October 1, 2011 and ending September 30, 2012.

From:	C0101	Year	Month	Day	To:	C0102	Year	Month	Day

2. If the fiscal year reported for this establishment is less than a full year, please check the reason(s) below:

- C0201 Seasonal operations
- C0202 New business
- C0203 Change of fiscal year
- C0204 Change of ownership
- C0205 Ceased operations
- C0206 Temporarily inactive

Reporting instructions (consult enclosed Reporting Guide)

- Complete only the questions that apply to the establishment identified on the label
- When figures are not readily available, please provide your best estimate
- Report all monetary values in Canadian funds

B - Total revenue

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

Include:

- sales of goods and services
- other operating revenue
- non-operating revenue

3. **Total revenue** → C3001 (CAN\$)

C1 - Sales of selected environmental goods (machinery, equipment and products)

- Please report domestic and export sales of selected environmental goods from Canadian locations
- Some goods listed may be used for more than one of the environmental functions listed. Please report sales under the environmental function category that best reflects the ultimate use of your product
- If your establishment provides environmental services, report sales of related machinery, equipment, and products in Section C2 (Sales of selected environmental services)
- **Exclude** federal, provincial and territorial sales taxes and excise duties and taxes

4. Renewable energy production (Exclude monitoring and analysis equipment)

Prime mover	Machinery, equipment and products	Sales of machinery, equipment and products	
		Manufactured in Canada (CAN\$)	Manufactured outside Canada and imported for resale in Canada (CAN\$)
a) Wind	Wind turbine equipment, nacelle, blades, towers	C4001 <input type="text"/>	C4051 <input type="text"/>
	Switchgear, transformers	C4002 <input type="text"/>	C4052 <input type="text"/>
b) Biomass	Domestic woodstoves	C4003 <input type="text"/>	C4053 <input type="text"/>
	Biomass-fired industrial boilers	C4004 <input type="text"/>	C4054 <input type="text"/>
	Anaerobic digesters	C4005 <input type="text"/>	C4055 <input type="text"/>
c) Earth	Heat pumps, other equipment used in geothermal energy systems	C4006 <input type="text"/>	C4056 <input type="text"/>
d) Water	Turbines (Francis, Kaplan, Pelton, propeller), including components	C4007 <input type="text"/>	C4057 <input type="text"/>
	Generators (including components), valves, gates, transformers, switchgear	C4008 <input type="text"/>	C4058 <input type="text"/>
e) Sun	Active solar heating equipment (glazed flat plate collectors, glazed evacuated tubes/collectors, unglazed panels/collectors for heating pools, perforated cladding for solar air heating)	C4013 <input type="text"/>	C4063 <input type="text"/>
	Active solar-power generation equipment (concentrating mirrors, receivers)	C4014 <input type="text"/>	C4064 <input type="text"/>
	Photovoltaic energy equipment (photovoltaic cells, modules, panels/arrays, inverters for solar photovoltaic systems)	C4015 <input type="text"/>	C4065 <input type="text"/>
f) Other (please specify)	C4068 <input type="text"/>	C4017 <input type="text"/>	C4067 <input type="text"/>
TOTAL		C4016 <input type="text"/>	C4066 <input type="text"/>

5. Management of non-hazardous waste (Exclude monitoring and analysis equipment)

Machinery, equipment and products		Sales of machinery, equipment and products	
		Manufactured in Canada (CAN\$)	Manufactured outside Canada and imported for resale in Canada (CAN\$)
a) Collection	Collection vehicles for non-hazardous waste, recycling and organics	C5001 <input type="text"/>	C5051 <input type="text"/>
	Containers for collection of recycled materials and household organics, backyard composters, yard waste bags	C5002 <input type="text"/>	C5052 <input type="text"/>
b) Separating and sorting	Air classifier, magnetic separator, eddy current separator	C5003 <input type="text"/>	C5053 <input type="text"/>
c) Compaction	Balers, densifiers, compactors, shredders, granulators	C5004 <input type="text"/>	C5054 <input type="text"/>
d) Centralized biological reprocessing	Centralized composters (turned-windrow, aerated static pile, mechanically agitated in-vessel)	C5005 <input type="text"/>	C5055 <input type="text"/>
e) Disposal	Equipment for landfill leachate collection and containment	C5006 <input type="text"/>	C5056 <input type="text"/>
	Equipment for landfill gas management	C5007 <input type="text"/>	C5057 <input type="text"/>
	Equipment for thermal treatment (rotary kiln incinerator, mass burning, starved air incinerator, fluidized bed)	C5008 <input type="text"/>	C5058 <input type="text"/>
f) Other (please specify)	C5061 <input type="text"/>	C5010 <input type="text"/>	C5060 <input type="text"/>
TOTAL		C5009 <input type="text"/>	C5059 <input type="text"/>

FOR INFORMATION ONLY

6. Management of industrial air pollution or flue gas (Exclude monitoring and analysis equipment)

Machinery, equipment and products		Sales of machinery, equipment and products	
		Manufactured in Canada (CAN\$)	Manufactured outside Canada and imported for resale in Canada (CAN\$)
a) Physical/chemical treatment	Filters (membrane, baghouse, granular bed), cyclones	C6001 <input type="text"/>	C6051 <input type="text"/>
	Electrostatic precipitator	C6002 <input type="text"/>	C6052 <input type="text"/>
	Scrubbers (Venturi, spray tower, mechanical, plate tower, packed tower)	C6003 <input type="text"/>	C6053 <input type="text"/>
	Waste gas absorber, waste gas flare/incinerator	C6004 <input type="text"/>	C6054 <input type="text"/>
	Industrial catalytic converter	C6005 <input type="text"/>	C6055 <input type="text"/>
	Pollutant recovery condenser	C6006 <input type="text"/>	C6056 <input type="text"/>
	Adsorbers	C6007 <input type="text"/>	C6057 <input type="text"/>
b) Other (please specify)	C6060 <input type="text"/>	C6009 <input type="text"/>	C6059 <input type="text"/>
TOTAL		C6008 <input type="text"/>	C6058 <input type="text"/>

FOR INFORMATION ONLY

**7. Industrial wastewater treatment and municipal sewage treatment
(Exclude monitoring and analysis equipment)**

Machinery, equipment and products		Sales of machinery, equipment and products	
		Manufactured in Canada (CAN\$)	Manufactured outside Canada and imported for resale in Canada (CAN\$)
a) Physical/chemical treatment of industrial wastewater	Tanks (including components) for dilution/equalization, neutralization, sedimentation, chemical precipitation	C7001	C7051
	Oil separator/skimmer	C7002	C7052
	Ion exchange bed	C7003	C7053
	Air stripping tank/column	C7004	C7054
	Liquid extraction column	C7005	C7055
	Micro-porous membrane adsorber	C7006	C7056
	Equipment for advanced chemical oxidation/UV radiation	C7007	C7057
	Pre-treatment filters	C7008	C7058
b) Centralized physical/chemical and biological treatment of sewage	Chemicals used in industrial wastewater treatment	C7017	C7067
	Intake screen	C7009	C7059
	Air sparging grit chamber	C7010	C7060
	Oil separator/skimmer	C7011	C7061
	Tanks (including components) for sedimentation, chemical precipitation/flocculation, aerobic biological treatment, aeration, clarification, disinfection	C7012	C7062
	Membrane bioreactor	C7013	C7063
	Trickling filter	C7014	C7064
c) Other (please specify)	Anaerobic digester	C7015	C7065
	Chemicals used in municipal sewage treatment	C7018	C7068
	C7070	C7019	C7069
TOTAL		C7016	C7066

**8. Remediation of ground water, surface water and leachate
(Exclude monitoring and analysis equipment)**

- If your establishment provides environmental services, report sales of related machinery, equipment, and products in Section C2 (Sales of selected environmental services)

Remediation technology		Sales of machinery, equipment and products	
		Manufactured in Canada (CAN\$)	Manufactured outside Canada and imported for resale in Canada (CAN\$)
a) In situ biological treatment	Enhanced bioremediation, phytoremediation	C8001 <input type="text"/>	C8051 <input type="text"/>
b) Ex situ biological treatment	Bioreaction	C8002 <input type="text"/>	C8052 <input type="text"/>
c) In situ physical/chemical treatment	<ul style="list-style-type: none"> Air sparging, bioslurping, chemical oxidation, directional wells, dual phase extraction, thermal treatment, hydrofracturing enhancements, in-well air stripping, passive/reactive treatment walls Include sales of chemicals for remediation of ground water, surface water and leachate 	C8003 <input type="text"/>	C8053 <input type="text"/>
d) Ex situ physical/chemical treatments (assume pumping)	<ul style="list-style-type: none"> Adsorption/absorption, advanced oxidation, air stripping, ion exchange, precipitation/flocculation/coagulation, separation, sprinkler irrigation Include sales of chemicals for remediation of ground water, surface water and leachate 	C8004 <input type="text"/>	C8054 <input type="text"/>
e) Containment	Physical barriers, deep well injection	C8005 <input type="text"/>	C8055 <input type="text"/>
f) Air emissions/off-gas treatment	Oxidation, scrubbing, vapour phase carbon adsorption	C8006 <input type="text"/>	C8056 <input type="text"/>
g) Other (please specify,	C8053 <input type="text"/>	C8008 <input type="text"/>	C8058 <input type="text"/>
TOTAL		C8007 <input type="text"/>	C8057 <input type="text"/>

**9. Remediation of soil, sediment and sludge
(Exclude monitoring and analysis equipment)**

- If your establishment provides environmental services, report sales of related machinery, equipment, and products in Section C2 (Sales of selected environmental services)

Remediation technology		Sales of machinery, equipment and products	
		Manufactured in Canada (CAN\$)	Manufactured outside Canada and imported for resale in Canada (CAN\$)
a) In situ biological treatment	Bioventing, enhanced bioremediation, phytoremediation	C9001 <input type="text"/>	C9051 <input type="text"/>
b) Ex situ biological treatment	Biopiles, composting, landfarming, slurry phase biological treatment	C9002 <input type="text"/>	C9052 <input type="text"/>
c) In situ physical/chemical treatment	<ul style="list-style-type: none"> • Chemical oxidation, fracturing, soil flushing, soil vapour extraction, solidification/stabilization • Include sales of chemicals for remediation of soil, sediment and sludge 	C9003 <input type="text"/>	C9053 <input type="text"/>
d) Ex situ physical/chemical treatment	<ul style="list-style-type: none"> • Chemical extraction, chemical reduction/oxidation, dehalogenation, separation, soil washing, solidification/stabilization • Include sales of chemicals for remediation of soil, sediment and sludge 	C9004 <input type="text"/>	C9054 <input type="text"/>
e) In situ thermal treatment	Hot air injection, electrical resistance	C9005 <input type="text"/>	C9055 <input type="text"/>
f) Ex situ thermal treatment	Incineration, pyrolysis, thermal desorption	C9006 <input type="text"/>	C9056 <input type="text"/>
g) Containment	Landfill cap, landfill cap enhancements/alternatives	C9007 <input type="text"/>	C9057 <input type="text"/>
h) Other (please specify)	C9060 <input type="text"/>	C9009 <input type="text"/>	C9059 <input type="text"/>
TOTAL		C9008 <input type="text"/>	C9058 <input type="text"/>

C2 - Sales of selected environmental services

- Please report domestic and export sales of selected environmental services from Canadian locations
- **Include** sales of related machinery, products and equipment
- **Exclude** federal, provincial and territorial sales taxes and excise duties and taxes

10. Site remediation services and environmental emergency response services

Site remediation services

Management of a contaminated site, for prevention, minimization, or mitigation of damage to human health or the environment. Services pertain to remediation of the air, soil, ground and/or surface water (fresh or salt). Remediation options may include, but are not limited to, direct physical actions, such as treatment, removal, or destruction of contaminants, other on-site risk management solutions, such as capping or containment of contaminants or isolation of the site.

Control, containment and monitoring services

Management of a contaminated site, in accordance with a remediation plan, involving (1) operation and maintenance of equipment and/or technologies on the site for the purpose of preventing additional, or wider, contamination on the site or the movement of contaminants from the site; (2) monitoring of the site to determine the nature and extent of contamination at the site, the effectiveness of any remedial activities, emissions from the site or remedial technologies and the impacts of the contaminants on the environment or human health; and (3) controlling unauthorized access to the site.

Environmental emergency response services

Development and/or implementation of rapid response plans and activities to deal with various types of environmental emergencies (e.g., fuel and chemical spills and incidents involving dangerous goods and hazardous materials).

Type of service	Sales of services (CAN\$)
a) In situ remediation of soil, sediment, sludge	C1001 <input type="text"/>
b) Ex situ remediation of soil, sediment, sludge	C1002 <input type="text"/>
c) In situ remediation of ground water, surface water, and leachate	C1003 <input type="text"/>
d) Ex situ remediation of ground water, surface water, and leachate	C1004 <input type="text"/>
e) Remediation of air or off-gas	C1005 <input type="text"/>
f) Control, containment and monitoring services (air, water, soil)	C1006 <input type="text"/>
g) Environmental emergency response services	C1007 <input type="text"/>
TOTAL	C1008 <input type="text"/>

C3 - Total sales of environmental goods and services

- Include sales of all goods (machinery, equipment, products) and services

11. **Total sales of environmental goods and services (sum of questions 4 to 10)**

(CAN\$)

→ C3002

D - Exports

12. Did this establishment receive revenue from clients outside Canada for the export of environmental goods and/or services?

- C1201 1 Yes - **Go to question 13**
 3 No - **Go to question 15**

13. **Total Exports: Please report sales of exported goods and/or services included in Total sales reported in question 11.**

(CAN\$)

→ C1301

14. Please provide a percentage breakdown of exports by country.

Country		Percentage (%)
a) United States		C1401 <input type="text"/>
b) Mexico		C1402 <input type="text"/>
c) Other countries (please specify)	→ C1403 <input type="text"/>	C1404 <input type="text"/>
	→ C1405 <input type="text"/>	C1406 <input type="text"/>
	→ C1407 <input type="text"/>	C1408 <input type="text"/>
	→ C1409 <input type="text"/>	C1410 <input type="text"/>
	→ C1411 <input type="text"/>	C1412 <input type="text"/>
	→ C1413 <input type="text"/>	C1414 <input type="text"/>
	→ C1415 <input type="text"/>	C1416 <input type="text"/>
	→ C1417 <input type="text"/>	C1418 <input type="text"/>
TOTAL		100%

E - Additional information

15. Are there other establishments in your company?

- C1501 1 Yes - **Go to question 16**
 3 No - **Go to question 17**

16. Please provide the name and address of other establishments in your company that are operating in Canada and are involved in manufacturing or importing environmental goods or providing environmental services.

Name of establishment		Address	
C1601		C1602	
C1603		C1604	
C1605		C1606	
C1607		C1608	
C1609		C1610	
C1611		C1612	

17. Please list any environmental goods or services that should be added to this survey.

Additional environmental goods and services			
C1701		C1702	
C1703		C1704	

Contact information

Last name		First name	
C0054	<input type="text"/>	C0013	<input type="text"/>
Title		Telephone number	Ext. number
C0014	<input type="text"/>	C0017	<input type="text"/>
E-mail address		Fax number	
C0018	<input type="text"/>	C0016	<input type="text"/>
Website address		Date	
C0020	<input type="text"/>	C0015	<input type="text"/>

F - Administration

18. How long did you spend collecting the data and completing the questionnaire?

C9910

Hour(s)

C9909

Minutes

G - Comments

19. We invite your comments below. Please be assured that we review all comments with the intent to improve the survey.

C9920

C9913

C9914

C9915

C9916

FOR INFORMATION ONLY

**Thank you for completing this questionnaire. Please keep a copy for your records.
Visit our website at www.statcan.gc.ca**