

# Survey of Environmental Goods and Services, 2008

This document is confidential when completed.

Si vous préférez recevoir ce questionnaire en français, veuillez nous appeler au numéro sans frais suivant : 1-800-387-0479

**Name and physical location of establishment  
Correct as required:**

Legal name  
C0001 \_\_\_\_\_

Establishment name  
C0002 \_\_\_\_\_

Address  
C0004 \_\_\_\_\_

City  
C0005 \_\_\_\_\_

Province / territory  
C0006 \_\_\_\_\_

Postal code  
C0007 \_\_\_\_\_

## Introduction

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

### Confidentiality

Statistics Canada is prohibited by law from publishing any statistics which would divulge information obtained from this survey relating to any identifiable business. The data reported on this questionnaire will be treated in strict confidence. For further details, please consult the enclosed Reporting Guide.

### Authority

This survey is conducted under the authority of the *Statistics Act*, Revised Statutes of Canada, 1985, Chapter S-19. **Completion of this questionnaire is a legal requirement under the *Statistics Act*.**

### Return of questionnaire

Please return the completed questionnaire to Statistics Canada **within 60 days of receipt** in the enclosed envelope or fax it to **1-800-755-5514**.

Lost the return envelope or need help?  
Call us at **1-800-387-0479** or mail to:

Statistics Canada, Operations and Integration Division, 150 Tunney's Pasture Driveway, Ottawa, Ontario K1A 0T6. You may e-mail us at: [enviro-segs@statcan.gc.ca](mailto:enviro-segs@statcan.gc.ca)

### Fax or other electronic transmission disclosure

Statistics Canada advises you that there could be a risk of disclosure during facsimile or other electronic transmission. However, upon receipt, Statistics Canada guarantees the level of protection afforded to all information collected under the authority of the *Statistics Act*.

### Coverage

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

### Person primarily responsible for completing this questionnaire:

C0054	Last name	C0017	Telephone number	C0027	Extension
C0013	First name	C0016	Fax number		
C0014	Title	C0020	Website address		
C0018	E-mail address	C0015	Date		

*Statistics Canada use only:*

Rec. Y   M   D	Ed. Y   M   D	Kyd. Y   M   D	Bat.	Coll.	FSC
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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, 2008 and March 31, 2009**. 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, 2007 and ending September 30, 2008.**

	Year	Month	Day
<b>From:</b> C0101	<input type="text"/>	<input type="text"/>	<input type="text"/>

	Year	Month	Day
<b>To:</b> C0102	<input type="text"/>	<input type="text"/>	<input type="text"/>

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

FOR INFORMATION ONLY

#### 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, only 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 turbines (nacelle and blades)	C4001 <input type="text"/>	C4051 <input type="text"/>
	Wind turbine towers	C4002 <input type="text"/>	C0452 <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	C4006 <input type="text"/>	C0456 <input type="text"/>
d) Water	Turbines (Francis, Kaplan, Pelton, propeller), including components	C4007 <input type="text"/>	C0457 <input type="text"/>
	Generators, including components	C4008 <input type="text"/>	C0458 <input type="text"/>
	Valves	C4009 <input type="text"/>	C0459 <input type="text"/>
	Gates	C4010 <input type="text"/>	C4060 <input type="text"/>
	Transformers	C4011 <input type="text"/>	C4061 <input type="text"/>
	Switchgear	C4012 <input type="text"/>	C4062 <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"/>
<b>TOTAL</b>		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"/>
	Household 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"/>
<b>TOTAL</b>		C5009 <input type="text"/>	C5059 <input type="text"/>

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>TOTAL</b>		C6008 <input type="text"/>	C6058 <input type="text"/>

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\$)
<b>a) Physical/chemical treatment of industrial wastewater</b>	Tanks (including components) for dilution/equalization, neutralization, sedimentation, chemical precipitation	C7001 <input type="text"/>	C7051 <input type="text"/>
	Oil separator/skimmer	C7002 <input type="text"/>	C7052 <input type="text"/>
	Ion exchange bed	C7003 <input type="text"/>	C7053 <input type="text"/>
	Air stripping tank/column	C7004 <input type="text"/>	C7054 <input type="text"/>
	Liquid extraction column	C7005 <input type="text"/>	C7055 <input type="text"/>
	Micro-porous membrane adsorber	C7006 <input type="text"/>	C7056 <input type="text"/>
	Equipment for advanced chemical oxidation/UV radiation	C7007 <input type="text"/>	C7057 <input type="text"/>
	Pre-treatment filters	C7008 <input type="text"/>	C7058 <input type="text"/>
<b>b) Centralized physical/chemical and biological treatment of sewage</b>	Intake screen	C7009 <input type="text"/>	C7059 <input type="text"/>
	Air sparging grit chamber	C7010 <input type="text"/>	C7060 <input type="text"/>
	Oil separator/skimmer	C7011 <input type="text"/>	C7061 <input type="text"/>
	Tanks (including components) for sedimentation, chemical precipitation/flocculation, aerobic biological treatment, aeration, clarification, disinfection	C7012 <input type="text"/>	C7062 <input type="text"/>
	Membrane bioreactor	C7013 <input type="text"/>	C7063 <input type="text"/>
	Trickling filter	C7014 <input type="text"/>	C7064 <input type="text"/>
Anaerobic digester	C7015 <input type="text"/>	C7065 <input type="text"/>	
<b>TOTAL</b>	C7016 <input type="text"/>	C7066 <input type="text"/>	

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

- If your establishment provides environmental services, only 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\$)
<b>a) In situ biological treatment</b>	Enhanced bioremediation, phytoremediation	C8001 <input type="text"/>	C8051 <input type="text"/>
<b>b) Ex situ biological treatment</b>	Bioreaction	C8002 <input type="text"/>	C8052 <input type="text"/>
<b>c) In situ physical/chemical treatment</b>	Air sparging, bioslurping, chemical oxidation, directional wells, dual phase extraction, thermal treatment, hydrofracturing enhancements, in-well air stripping, passive/reactive treatment walls	C8003 <input type="text"/>	C8053 <input type="text"/>
<b>d) Ex situ physical/chemical treatments (assume pumping)</b>	Adsorption/absorption, advanced oxidation, air stripping, ion exchange, precipitation/flocculation/coagulation, separation, sprinkler irrigation	C8004 <input type="text"/>	C8054 <input type="text"/>
<b>e) Containment</b>	Physical barriers, deep well injection	C8005 <input type="text"/>	C8055 <input type="text"/>
<b>f) Air emissions/off-gas treatment</b>	Oxidation, scrubbing, vapour phase carbon adsorption	C8006 <input type="text"/>	C8056 <input type="text"/>
<b>TOTAL</b>		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, only 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\$)
<b>a) In situ biological treatment</b>	Bioventing, enhanced bioremediation, phytoremediation	C9001 <input type="text"/>	C9051 <input type="text"/>
<b>b) Ex situ biological treatment</b>	Biopiles, composting, landfarming, slurry phase biological treatment	C9002 <input type="text"/>	C9052 <input type="text"/>
<b>c) In situ physical/chemical treatment</b>	Chemical oxidation, fracturing, soil flushing, soil vapour extraction, solidification/stabilization	C9003 <input type="text"/>	C9053 <input type="text"/>
<b>d) Ex situ physical/chemical treatment</b>	Chemical extraction, chemical reduction/oxidation, dehalogenation, separation, soil washing, solidification/stabilization	C9004 <input type="text"/>	C9054 <input type="text"/>
<b>e) In situ thermal treatment</b>	Hot air injection, electrical resistance	C9005 <input type="text"/>	C9055 <input type="text"/>
<b>f) Ex situ thermal treatment</b>	Incineration, pyrolysis, thermal desorption	C9006 <input type="text"/>	C9056 <input type="text"/>
<b>g) Containment</b>	Landfill cap, landfill cap enhancements/alternatives	C9007 <input type="text"/>	C9057 <input type="text"/>
<b>TOTAL</b>		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"/>
<b>TOTAL</b>	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 (sum of sales reported in questions 4 to 10)** → C3002  (CANS\$)

### 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.** → C1301  (CANS\$)

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"/>
<b>TOTAL</b>	<b>100%</b>

## 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	

## 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.


**Thank you for completing this questionnaire. Please keep a copy for your records.  
 Visit our website at [www.statcan.gc.ca](http://www.statcan.gc.ca).**