



Catalogue no. 16F0008XIE

Environment Industry: Business Sector

2002 (revised) and 2004



 Statistics
Canada Statistique
Canada

Canada

How to obtain more information

Specific inquiries about this product and related statistics or services should be directed to: Environment Accounts and Statistics Division, Statistics Canada, Ottawa, Ontario, K1A 0T6 (telephone: 613-951-0297 or by e-mail: environ@statcan.ca).

For information about this product or the wide range of services and data available from Statistics Canada, visit our website at www.statcan.ca or contact us by e-mail at infostats@statcan.ca or by phone from 8:30am to 4:30pm Monday to Friday at:

Toll-free telephone (Canada and the United States):

Inquiries line	1-800-263-1136
National telecommunications device for the hearing impaired	1-800-363-7629
Fax line	1-877-287-4369
Depository Services Program inquiries line	1-800-635-7943
Depository Services Program fax line	1-800-565-7757

Statistics Canada national contact centre:

Fax line	1-613-951-8116
	1-613-951-0581

Information to access the product

This product, catalogue no. 16F008XIE, is available for free in electronic format. To obtain a single issue, visit our website at www.statcan.ca and select Publications.

Standards of service to the public

Statistics Canada is committed to serving its clients in a prompt, reliable and courteous manner. To this end, the Agency has developed standards of service which its employees observe in serving its clients. To obtain a copy of these service standards, please contact Statistics Canada toll free at 1-800-263-1136. The service standards are also published on www.statcan.ca under About us > Providing services to Canadians.



Statistics Canada
Environment Accounts and Statistics Division
System of National Accounts

Environment Industry: Business Sector

2002 (revised) and 2004

Published by authority of the Minister responsible for Statistics Canada

© Minister of Industry, 2007

All rights reserved. The content of this electronic publication may be reproduced, in whole or in part, and by any means, without further permission from Statistics Canada, subject to the following conditions: that it be done solely for the purposes of private study, research, criticism, review or newspaper summary, and/or for non-commercial purposes; and that Statistics Canada be fully acknowledged as follows: Source (or "Adapted from", if appropriate): Statistics Canada, year of publication, name of product, catalogue number, volume and issue numbers, reference period and page(s). Otherwise, no part of this publication may be reproduced, stored in a retrieval system or transmitted in any form, by any means—electronic, mechanical or photocopy—or for any purposes without prior written permission of Licensing Services, Client Services Division, Statistics Canada, Ottawa, Ontario, Canada K1A 0T6.

September 2007

Catalogue no. 16F0008XIE
ISSN: 1911-7779

Frequency: biennial

Ottawa

Cette publication est disponible en français sur demande (n° 16F0008XIF au catalogue).

Note of appreciation

Canada owes the success of its statistical system to a long-standing partnership between Statistics Canada, the citizens of Canada, its businesses, governments and other institutions. Accurate and timely statistical information could not be produced without their continued cooperation and goodwill.

Symbols

The following standard symbols are used in Statistics Canada publications:

.	not available for any reference period
..	not available for a specific reference period
...	not applicable
0	true zero or a value rounded to zero
0 ^s	value rounded to 0 (zero) where there is a meaningful distinction between the true zero and the value that was rounded
P	preliminary
r	revised
x	suppressed to meet the confidentiality requirements of the <i>Statistics Act</i>
E	use with caution
F	too unreliable to be published

Table of contents

Symbols.....	2
Preface	4
Acknowledgements	4
1 Highlights	5
2 Concepts, methodology and data quality	6
2.1 Concepts	6
2.2 Methodology and data quality	10
2.2.1 Revision of 2002 data	10
2.2.2 Data integration	10
2.2.3 Environment Industry Survey	11
2.3.3.1 Data accuracy measures	11
2.3.3.2 Data limitations	12
2.2.3.3 Comparability of data and related sources	12
Annex A: Statistical tables	13
Annex B: Questionnaire	39

Preface

This report presents estimates pertaining to businesses involved in sales of environmental goods (including environment-related construction) and environmental services. These estimates are based on data collected via the Environment Industry Survey in combination with data from several other Statistics Canada surveys and data sources.

Acknowledgements

The contribution of survey respondents and industry groups was critical to the successful completion of this data compilation and are gratefully acknowledged.

This report was prepared by the Environment Accounts and Statistics Division under the direction of Rob Smith, Director and Bruce Mitchell, Chief, Environmental Protection Accounts and Surveys. Data collection for the surveys was conducted by the Operations and Integration Division (M. Jones, Director) and the Environment Accounts and Statistics Division. Data from Public Institutions Division (C. Boies, Director) and Services Division (J.P. Simard, Director) were also used in the preparation of this report.

The Manager of the Environment Industry Survey was Jeff Fritzsche and the Analyst was Carol Gudz. Elzbieta Sawicz was responsible for technical production.

Contributions to the project were made at various times by:

Breanne Buchanan
Gordon Dewis
Laurie Jong
Marc Lavergne
Hélène Trépanier

1 Highlights

Canadian firms earned \$18.5 billion from sales of environmental goods and environmental services in 2004. This represented an increase of almost 17 percent compared to 2002 when revenues totalled \$15.8 billion.

Environmental goods and services are used to measure, prevent, limit or correct environmental damage (both natural or by human activity) to water, air, soil as well as problems related to waste, noise and ecosystems. They also include clean or resource-efficient technologies that decrease material inputs, reduce energy consumption, recover valuable by-products, reduce emissions and/or minimize waste disposal problems.

Sales of environmental goods, including construction, increased by 14.8% between 2002 and 2004, from \$8.8 billion to \$10.1 billion. Firms operating in the wholesale trade sector (mostly of recyclable materials) earned almost half of the total revenues from sales of environmental goods in 2004. Sales of goods related to water supply, treatment and conservation earned \$3.4 billion (this includes the construction of facilities such as water treatment plants and pumping stations, water distribution mains, sewage treatment and disposal plants and sanitary and storm sewers). Air pollution control technologies constitute a small but growing area, which includes catalytic converters, emissions recovery systems, and equipment for air filtration and emissions monitoring. Between 2002 and 2004, these revenues grew by almost 29 percent, from \$521.2 million to \$671 million.

Revenues from sales of environmental services grew by over 20% over the same time period, going from \$7 billion to \$8.4 billion. With the exception of environmental education, training and information, revenues grew for all types of environmental services. Small but growing areas of environmental service are environmental management systems and research and development. Waste management and remediation accounted for two-thirds of all environmental service revenues in 2004.

Goods and services to reduce greenhouse gas emissions include the manufacturing or servicing of renewable energy systems (wind turbines, solar systems, small scale hydroelectricity) and sales of products that reduce energy consumption. Altogether, these products generated \$771.6 million in revenues in 2004, up by 24% compared to 2002.

Industry sectors

Environmental consulting and waste management and remediation are two sectors of the Canadian economy that have a predominantly environmental focus. Between 2002 and 2004, revenues earned for the production of environmental goods and services grew for establishments in both the environmental consulting and waste management and remediation sectors. Firms involved in hazardous and non-hazardous waste management reported an increase in revenues (for all environment-related production) of 12.6%, from \$3.7 billion in 2002 to \$4.2 billion in 2004. Environmental consulting firms' revenues increased by 25%, reaching \$806.4 million in 2004.

Wholesale trade, mostly of recyclable materials, is another sector that has grown. Between 2002 and 2004, revenues reported for environment-related production increased by 16.1% from \$4.6 billion to \$5.3 billion. This increase coincides with sizeable increases in the prices for raw materials such as metals and minerals.

Text Table 1.1
Revenues from sales of environmental goods and services, selected industries

Industry	Revenues from sales of environmental goods and services		Change
	2002 ^f	2004	
	millions of dollars		percent
Waste management and remediation services	3,742.0	4,211.9	12.6
Environmental consulting	645.3	806.4	25.0
Wholesale trade (mostly of recyclable materials)	4,591.9	5,331.9	16.1

Source: Statistics Canada, Environment Accounts and Statistics Division

Exports

Export markets represented 8.1% of environmental revenues in 2004, and total environmental export revenues reached \$1.5 billion in that year. The United States remained the biggest export market for Canada, in 2004 providing \$1.2 billion in environmental export revenues, followed by Europe (\$110 million) and Asia (\$102 million).

2 Concepts, methodology and data quality

The following information should be used to ensure a clear understanding of the basic concepts that define the data provided in this publication, of the underlying methodology and of key aspects of the data quality. This information will provide a better understanding of the strengths and limitations of the data, and of how they can be effectively used and analysed. The information may be of particular importance when making comparisons with data from other surveys or sources of information, and in drawing conclusions regarding change over time, differences between geographic areas and differences among sub-groups of the target population.

2.1 Concepts

Environment industry and environmental establishments

There is no universally-accepted definition of the term “environmental” when used to describe goods and services or the firms producing these products. The *environment industry* is defined in this publication as all firms operating in Canada that are involved, in whole or in part, in the production of environmental goods (including construction) or the provision of environmental services. These firms are referred to as *environmental establishments* in this publication and the statistical reporting unit is the establishment.¹

The majority of environmental establishments, or firms comprising the environment industry, are not concentrated within any specific groups, or categories, under the North American Industry Classification System (NAICS).² Instead, they may be found in various categories across the industrial spectrum, intermixed with establishments which may not be environmentally-focused. (There are a couple of exceptions, including waste management and remediation services and environmental engineering and environmental consulting services.) Text Box 2.1

presents a profile of the NAICS-based groupings which contain environmental establishments and appear in the statistical tables in this publication.

Within the environment industry the major concepts and variables measured are revenues and employment related to the production of environmental goods (including construction) or the provision of environmental services.

Environmental goods and services

For the purposes of this publication, *environmental goods and services* are goods and services that are used, or can potentially be used, to measure, prevent, limit or correct environmental damage (both natural or by human activity) to water, air, soil as well as problems related to waste, noise and ecosystems. They also include clean or resource-efficient (“eco-efficient”) technologies that decrease material inputs, reduce energy consumption, recover valuable by-products, reduce emissions and/or minimize waste disposal problems.

This definition focuses on the *end-use* instead of the physical attributes of goods and services. It also addresses the question: “Does a particular good or service exist in the market either **solely or partly** because of its environmental component?” The categories of environmental goods and services used in the statistical tables (Annex A) are based on the Environment Industry Survey questionnaire (Annex B). These categories were developed using Canadian and international sources.³ Text boxes 2.2 and 2.3 identify the Environment Industry Survey cell numbers associated with each category of environmental goods and services found in the statistical tables.

Environmental employees

Environmental employees are defined as those involved in the production/provision of environmental goods and services.

1. “Establishment” refers to the level at which the accounting data required to measure production is available (principal inputs, revenues, salaries and wages). The establishment, as a statistical unit, is defined as the most homogeneous unit of production for which the business maintains accounting records from which it is possible to assemble all the data elements required to compile the full structure of the gross value of production (total sales or shipments, and inventories), the cost of materials and services, and labour and capital used in production.

2. Statistics Canada, 2002, *North American Industry Classification System*, Catalogue no. 12-501-XPE, Ottawa.

3. For a more detailed discussion on environmental goods and services, refer to OECD and Eurostat, 1999, *The Environmental Goods and Services Industry: Manual for Data Collection and Analysis*, Paris.

Text Box 2.1**Industry groups that contain establishments providing environmental goods or services**

Industry group	NAICS code
Agriculture, forestry, fishing and hunting	11
Mining and oil and gas extraction	21
Utilities	22
Construction	23
Chemical manufacturing	35
Plastics and rubber products manufacturing	326
Non-metallic mineral product manufacturing	327
Primary metal manufacturing	331
Fabricated metal product manufacturing	332
Machinery manufacturing	333
Computer and electronic product manufacturing	334
Electrical equipment, appliance and component manufacturing	335
Other manufacturing	312, 314, 321, 322, 324, 336, 339
Wholesale trade	41
Retail trade	44,45
Finance and insurance services	52
Legal services	5411
Architectural services and landscape architectural services	54131, 54132
Engineering services	54133
Surveying and mapping (including geophysical) services	54136, 54137
Testing laboratories	54138
Computer systems design and related services	5415
Environmental Consulting Services	541620
Management Consulting Services and Other Scientific and Technical Consulting Services	54161, 54169
Scientific research and development services	5417
All other professional, scientific and technical services	541212, 541215, 541340, 541350, 541420, 541810, 541820, 541910, 541940, 541990
Management of companies and enterprises	55
Administrative and support services	561
Waste management and remediation services	562
Other services	482, 484, 488, 493, 511, 513, 514, 531, 532, 621, 624, 711, 712, 722, 811

Text Box 2.2

Categories of environmental goods, including construction, used in this publication

(Cells refer to information items contained in the Environment Industry Survey questionnaire. See Appendix B.)

Water supply, treatment, and conservation (Cells: C106, C107, C142, C143)

Systems or equipment for water supply and conservation, wastewater management and sewage treatment; construction of systems or facilities related to dams, (water) pipelines, reservoirs, sewer systems, (sewage and water) treatment plants and aqueducts.

Air pollution control (Cells: C105, C141)

Catalytic converters, emission recovery systems, air filtration equipment; construction of systems or facilities related to flue stacks, (air) filtration and ventilation systems.

Waste management, and remediation (Cells: C108, C109, C144, C145)

Systems or equipment for hazardous and non-hazardous waste management (waste collection, storage, handling, recycling); construction of systems or facilities related to waste containment, (waste) reservoirs, waste sites and incineration; spill treatment and containment systems or equipment; construction of systems or facilities related to emergency response, spills clean-up and site reclamation.

Technologies to reduce greenhouse gas emissions (Cells: C113, C114, C115, C800 C801, C117, C802, C803, C118, C116, C112, C857)

Systems or equipment for energy conservation and efficiency, solar energy, wind energy or small-scale hydroelectricity production; systems or equipment for other renewable energy production, cogeneration, methane capture and waste-to-energy conversion; fuel cells and alternative fuel technologies.

Analytical Equipment (Cell C111)

Systems or equipment for environmental sampling, monitoring, analysis and assessment.

Noise / vibration abatement, and other (Cells: C110, C119)

Systems or equipment for noise / vibration abatement; recyclable materials (data are not collected through the Environment Industry Survey); construction of systems or facilities related to acoustic and soundproof screens.

Text Box 2.3**Categories of environmental services used in this publication**

(Cells refer to information items contained in the Environment Industry Survey questionnaire. See Appendix B.)

Water supply, treatment, and conservation (Cells: C125, C126)

Consulting engineering, analytical, operational and maintenance services related to water purification, water delivery, wastewater treatment and storm water management.

Air pollution control (Cell C124)

Emissions monitoring, assessment / evaluation and planning and related consulting engineering and analytical services.

Waste management, and remediation (Cells: C127, C128)

Hazardous and non-hazardous waste handling, collection, transport and disposal; operation and management of waste sites; operation of materials recovery facilities, including related consulting engineering and analytical services; emergency response and spills clean-up; maintenance and repair of remediation or treatment systems, including related consulting engineering and analytical services.

Research and development (Cell C130)

Development, evaluation and implementation of clean process technologies and/or end-of-pipe pollution abatement and control technologies, including related consulting engineering and analytical services; research to improve knowledge of ecosystems and the impact of human activity on the environment.

Renewable energy and energy conservation (Cell C131)

Installation, maintenance, repair and related consulting and analytical services for alternative energy systems or renewable energy production (solar, biomass, wind, other); energy audit, energy resource management-related consulting engineering and analytical services.

Consulting engineering and analytical services (Cell C135)

Other environmental advisory or design services, including environmental consulting engineering not elsewhere specified.

Environmental management systems (Cell C856)

Development, evaluation or implementation of environmental management systems.

Management consulting and legal services (Cell C133)

Environmental impact assessment and risk management; environmental law and legal services.

Environmental education, training and information (Cell C132)

Environmental training and information for the public and the workplace (including environmental emergency response training and energy conservation training).

Noise / vibration abatement, and other (Cells: C129, C136)

Design and management services (and related consulting engineering and analytical services) for acoustic and soundproof screens and street covering; other

All services for reducing greenhouse gas emissions (Derived based on Cells C137 and C807)

2.2 Methodology and data quality

This report presents the revenues earned from sales of environmental goods (including construction) and the provision of environmental services. In September 1994, the Canadian government announced the Canadian Environment Industry Strategy (CEIS). This strategy consisted of 22 initiatives developed to address the growing Canadian environmental sector. Statistics Canada was asked to address Initiative 8 of the CEIS – to establish a national statistical database on the environment industry. As a result, Statistics Canada began to collect information on establishments earning revenues from sales of environmental goods and services.

2.2.1 Revision of 2002 data

This report contains estimates for two reference years: 2002 and 2004. Revised data for reference year 2002 accompany the data for 2004. The revision of the 2002 data resulted from follow-up consultations with respondents where large year-over-year differences were found in the data.

2.2.2 Data integration

The estimates contained in this report are based on data from the Environment Industry Survey 2004 that have been integrated with data from other Statistics Canada surveys and sources. Making use of existing data minimises response burden while allowing for a more complete picture of environmental production.

Data from the following sources were combined with data from the Environment Industry Survey: Waste Management Industry Survey; Survey of Engineering Services; Survey of Service Industries: Management, Scientific and Technical Consulting Services; Survey of Environmental Protection Expenditures; and Consolidated Government Revenue and Expenditures. Also included in the estimates were data on wholesale trade in recyclable materials, obtained from Statistics Canada's Business Register.

2.2.2.1 Waste Management Industry Survey

A total of 1,761 establishments, representing 23% of total environmental revenues, came from the 2004 Waste Management Industry Survey.

2.2.2.2 Survey of Engineering Services and Survey of Service Industries: Management, Scientific and Technical Consulting Services

Establishments reporting revenues to the Environment Industry Survey for sales of environmental engineering services were compared to the list of establishments reporting to the Survey of Engineering Services. A similar comparison was done with establishments reporting to the Survey of Management, Scientific and Technical Consulting Services in relation to revenues for environmental consulting services. Information for any missing establishments was added to the estimates of the environment industry. Additions from these sources represented less than one percent of total environmental revenues from all sources.

2.2.2.3 Survey of Environmental Protection Expenditures and Consolidated Government Revenue and Expenditures

Revenues for environmental construction (except construction of renewable energy production facilities) were derived, for inclusion in the estimates of environmental production, based on demand-side data from Statistics Canada's Survey of Environmental Protection Expenditures and Consolidated Government Revenue and Expenditures. Environmental construction revenues derived in this manner represented 11% of total environmental revenues in 2004.

2.2.2.4 Business Register

A total of 2,600 establishments, representing 20% of total environmental revenues, were added to the estimates of environmental production from Statistics Canada's Business Register information for wholesale traders in recyclable materials in 2004.

Financial, employment and other relevant data from all of the above-mentioned sources were consolidated to produce a combined data set for establishments that produced environmental goods and/or provided environmental services. The combined data set was used to produce the statistical tables. Thus, the estimates in this report present, to the best of our knowledge, a comprehensive picture of the production of environmental goods and the provision of environmental services in Canada.

The discussion on methodology and data quality that follows refers to the Environment Industry Survey 2004 only. Documentation on methodology and data quality of the other Statistics Canada surveys and sources cited in this report is available through the website <http://dissemination.statcan.ca/english/concepts>.

The Business Register is Statistics Canada's central repository of information on businesses in Canada. It is used as the principal frame for the economic statistics program of Statistics Canada.

2.2.3 Environment Industry Survey

The reference period for the Environment Industry Survey is the 12-month fiscal period for which the final day occurs on or between April 1st of the reference year and March 31st of the following year. The information contained in this report reflects the total environmental revenues and employment for the financial year ending between April 1 2004 and March 31 2005.

The target population for the Environment Industry Survey consists of establishments operating in Canada that were involved either in whole or in part in the production of environmental goods (including construction) or the provision of environmental services. With the exception of establishments involved in environmental construction, waste management or wholesale trade in recyclable materials, all industries are included in the target population.

The frame for the Environment Industry Survey was developed in consultation with key public and private sector groups that have an in-depth knowledge in the area of environmental technologies and services. Industry directories and thorough research conducted on specific companies also helped in updating and improving the survey frame.

The Environment Industry Survey includes all identified establishments operating in Canada that were involved in whole or in part in the provision of environmental goods or services. The exceptions are Management, Scientific and Technical Consulting Services, including Environmental Consulting Services (NAICS 5416), and Remediation Services (NAICS 562910). In both cases, a sample of all establishments in each category is selected from Statistics Canada's Business Register for inclusion in the Environment Industry Survey.

Respondents to the 2004 survey were asked to report the following information:

- revenues realised from the sale of environmental goods or services;
- the types of environmental goods and services sold;
- environmental export revenues by region of export;
- environmental export revenues from technologies and services relation to the reduction of greenhouse gas emissions;
- research and development on goods/services related to the reduction of greenhouse gas emissions;
- innovation activities related to the development of goods/services to reduce greenhouse gas emissions;
- total employment; and
- proportion of total employees involved in the production/provision of environmental goods and services.

Environment Industry Survey questionnaires were mailed to 2,856 establishments identified in the frame and the responses were returned by mail. The surveys were addressed to a contact person who was either responsible for, or had knowledge of, the environment-related operations of the establishment. Mail, telephone and fax follow ups were carried out to elicit response from non-respondents. Validity and flow edits were built into the BLAISE data capture system and were applied during data entry.

2.2.3.1 Data accuracy measures

The methodology of the Environment Industry Survey has been designed to control errors and to reduce the potential effects of these. However, the results of the survey remain subject to error in a number of areas, including coverage, non-response, response, processing and, to a limited extent, sampling.

The mailing list for the survey was compared with various industry directories and supplemented with information from Statistics Canada's Business Register. Ongoing research was also done on the establishments contained in the frame in order to identify environment-related business activities. Together, these activities allow for the continual updating and verification of establishments contained in the survey frame.

Efforts to reduce response errors include revision of the survey questionnaire based on feedback from respondents and feedback during the editing process. Completed and captured questionnaires were checked using an automated edit program (BLAISE), which verified that all mandatory information was completed and that reported values were within acceptable ranges based on historical data. Data were corrected, where possible, with the assistance of the respondent. Residual errors, missing data or inconsistencies were resolved by statistical adjustments using historical or administrative data, or by imputing (substituting) consistent data from respondents with similar characteristics.

Year-over-year comparisons of Environment Industry Survey data were made by industry group and by province/territory, while taking into account changes in the survey or changes in government regulations or policies which may have an impact on the environment industry.

A total of 2,245 completed or partially completed questionnaires was received. In addition, 406 new establishments were identified as being in-scope for the survey.

The overall unweighted response rate for the Environment Industry Survey in 2004 was 78.6%, based on the ratio of the number of fully and partially completed questionnaires to the total number of in-scope questionnaires.

Imputation rates for selected key variables are as follows:

Text Table A.1
Imputation rates, selected key variables

Variable	Imputation rate (percent)
Total environmental revenues	25
Revenues from sales of environmental goods	21
Revenues from sales of environmental services	29
Revenues from environmental exports	11

Estimates for the industry groups “Environmental Consulting Services” and “Remediation Services” are based on a sample of establishments and are therefore subject to sampling error. For all other industry groups covered by the Environment Industry Survey, all known establishments are included in the survey and, therefore, figures are not subject to sampling error.

2.2.3.2 Data limitations

Revenues

Revenues presented in this report are **gross revenues**. As a rule, revenues will be double counted to the extent that goods and services produced by one reporting establishment are purchased by another reporting establishment with both reporting their environmental revenues related to the same goods or services. For this reason, it would be incorrect to compare the aggregate environmental revenues to gross domestic product (GDP) which is the sum of the unduplicated production of all industries. Thus, readers should not express the revenues presented in this report as percentage of GDP.

Environment-related construction

For reference year 2004, a change was made to the methodology for producing estimates of revenues related to environmental engineering construction. Estimates of revenues for environmental engineering construction were derived from environmental capital expenditures reported by businesses and governments, supplemented with revenues reported to the Environment Industry Survey for renewable energy production facilities only. For previous reference years, estimates of revenues for environmental engineering construction were derived from environmental capital expenditures reported by businesses and governments, supplemented with revenues reported to the Environment Industry Survey for all types of environmental engineering construction, not only renewable energy production facilities.

No estimates are available for the total number of firms involved in environmental construction because the

estimates are derived using a demand-side approach instead of direct surveying.

Change in classification of revenues related to the construction of water supply and sewage treatment facilities

Between 2002 and 2004, a change was made to the classification of revenues related to the construction of water supply and sewage treatment facilities. While these revenues were included in the category “Noise/vibration abatement, and other” in 2002, they were included in “water supply, treatment, and conservation” in 2004. For this reason, total revenues for these two categories are not comparable between 2002 and 2004.

Exports

In 2002 and 2004, export revenues for each category of good or service were derived based on the proportion of total revenues (domestic and international) that was attributable to sale of each category of goods or services.

In 2002 and 2004, estimates of export revenues are not available for: (i) establishments in the industry group “Recyclable material Wholesaler-Distributors” (NAICS 4181), (ii) most establishments involved in waste management (NAICS 5621 and 5622) and (iii) environmental engineering construction (for example, water or sewage treatment plants, waste disposal installations).

Employment

In this publication environmental employment is calculated for each industry group as the proportion of the total number of employees that is identified as environmental for all reporting establishments combined. In 2002, the question on environmental employment was revised to measure the proportion of total employees that was involved in environment-related production. This section of the questionnaire continues to be a work-in-progress. Responding establishments, particularly those with both environmental and non-environmental activities, tend to have difficulty estimating the proportion of environmental employees.

Green consumer goods

Green consumer goods are not included in this publication. Green consumer goods consist of items such as low-energy appliances or light bulbs, low-sulphur gasoline, hybrid vehicles, and organic foods.

2.2.3.3 Comparability of data and related sources

It is not possible in most cases to compare Environment Industry Survey data to other data sources because existing classification systems for firms and commodities are limited with respect to their ability to identify the environmental element of a firm’s products or activities.

Annex A: Statistical tables

Table A.1.1
Revenues from sales of environmental goods and services, by industry, 2004

Industry groups which include environmental establishments ¹	Environmental establishments ²	Sales of environmental goods (including construction)	Sales of environmental services	Total revenues
	number	millions of dollars		
Agriculture, forestry, fishing and hunting	16	7.1	11.6	18.7
Mining and oil and gas extraction	34	4.0	349.5	353.5
Utilities	18	x	x	153.6
Construction	..	2,080.7 ³	154.7	2,235.5
Chemical manufacturing	57	321.6	35.6	357.2
Plastic and rubber products manufacturing	51	539.9	6.4	546.3
Non-metallic mineral product manufacturing	14	100.1	0.0	100.1
Primary metal manufacturing	8	x	x	51.9
Fabricated metal product manufacturing	57	226.3	6.1	232.4
Machinery manufacturing	143	804.7	26.3	831.0
Computer and electronic product manufacturing	56	196.1	7.9	204.1
Electrical equipment, appliance and component manufacturing	14	x	x	296.2
Other manufacturing	42	205.2	59.5	264.7
Wholesale trade ⁴	2,884	4,705.0	627.0	5,331.9
Retail trade	22	45.1	1.9	47.0
Finance and insurance services	21	x	x	79.3
Legal services	51	0.0	174.1	174.1
Architectural and landscape architectural services	15	0.0	3.0	3.0
Engineering services	630	133.0	1,163.3	1,296.3
Surveying and mapping (including geophysical) services	20	x	x	28.2
Testing laboratories	109	40.1	211.6	251.7
Computer systems design and related services	26	12.3	8.3	20.6
Environmental consulting services	1,844	22.0	784.4	806.4
Management consulting and other scientific and technical consulting services	151	x	x	182.6
Scientific research and development services	44	36.9	36.4	73.4
All other professional, scientific and technical services	23	x	x	23.1
Management of companies and enterprises	24	26.6	29.2	55.8
Administrative and support services	44	26.2	92.7	118.9
Waste management and remediation services	1,902	20.1	4,191.7	4,211.9
Other services	54	31.1	73.4	104.5
Total	8,503	10,070.1	8,383.3	18,453.4

Notes:

Figures may not add up to totals due to rounding.

1. Environmental establishments are establishments that earned revenues from the sale of environmental goods (including construction) or services. Industry groups are based on the North American Industry Classification System (NAICS). Refer to Text Box 2.1 for a profile of these industry groups.
2. Excludes establishments involved in environmental engineering construction.
3. For reference year 2004, a change was made to the methodology for producing estimates of revenues related to environmental engineering construction. For 2004, estimates of revenues for environmental engineering construction are derived from environmental capital expenditures reported by businesses and governments, supplemented with revenues reported to the Environment Industry Survey for renewable energy production facilities only. Previously, estimates of revenues for environmental engineering construction were derived from environmental capital expenditures reported by businesses and governments, supplemented with revenues reported to the Environment Industry Survey for all types of environmental engineering construction, not only renewable energy production facilities.
4. Includes Recyclable Material Wholesaler-Distributors.

Source:

Statistics Canada, Environment Accounts and Statistics Division.

Table A.1.2
Revenues from sales of environmental goods and services, by industry, 2002 (revised)

Industry groups which include environmental establishments ¹	Environmental establishments ²	Sales of environmental goods (including construction)	Sales of environmental services	Total revenues
	number	millions of dollars		
Agriculture, forestry, fishing and hunting	14	4.5	8.4	12.9
Mining and oil and gas extraction	29	x	x	140.5
Utilities	15	x	x	29.2
Construction	..	1,948.5 ³	126.6	2,075.1
Chemical manufacturing	51	205.0	34.8	239.8
Plastic and rubber products manufacturing	38	x	x	318.4
Non-metallic mineral product manufacturing	14	x	x	101.3
Primary metal manufacturing	12	61.2	9.8	71.0
Fabricated metal product manufacturing	37	x	x	151.7
Machinery manufacturing	145	703.9	49.2	753.1
Computer and electronic product manufacturing	53	108.1	4.2	112.3
Electrical equipment, appliance and component manufacturing	13	x	x	315.7
Other manufacturing	39	269.2	27.0	296.2
Wholesale trade ⁴	2,845	3,898.6	693.3	4,591.9
Retail trade	20	51.3	2.8	54.2
Finance and insurance services	20	x	x	48.4
Legal services	48	0.0	105.0	105.0
Architectural and landscape architectural services	17	0.0	5.3	5.3
Engineering services	560	199.8	914.8	1,114.6
Surveying and mapping (including geophysical) services	22	x	x	32.4
Testing laboratories	103	x	x	202.5
Computer systems design and related services	28	x	x	25.6
Environmental consulting services	1,510	34.8	610.5	645.3
Management consulting and other scientific and technical consulting services	124	123.8	46.5	170.2
Scientific research and development services	39	43.6	43.5	87.1
All other professional, scientific and technical services	22	x	x	25.3
Management of companies and enterprises	19	x	x	83.7
Administrative and support services	44	x	x	100.6
Waste management and remediation services	1,938	70.1	3,671.9	3,742.0
Other services	62	x	x	126.7
Total	8,123	8,771.4	7,006.4	15,777.8

Notes:

Figures may not add up to totals due to rounding.

1. Environmental establishments are establishments that earned revenues from the sale of environmental goods (including construction) or services. Industry groups are based on the North American Industry Classification System (NAICS). Refer to Text Box 2.1 for a profile of these industry groups.
2. Excludes establishments involved in environmental engineering construction.
3. For 2002, estimates of revenues for environmental engineering construction were derived from environmental capital expenditures reported by businesses and governments, supplemented with revenues reported to the Environment Industry Survey for all types of environmental engineering construction.
4. Includes Recyclable Material Wholesaler-Distributors.

Source:

Statistics Canada, Environment Accounts and Statistics Division.

Table A.2.1
Revenues from sales of environmental goods (including construction¹), by type of environmental good² and by industry, 2004

Industry groups which include environmental establishments ³	Water supply, treatment and conservation ⁴	Air pollution control	Waste management and remediation	Technologies to reduce greenhouse gas emissions	Analytical equipment	Noise/vibration abatement and other	Total revenues
	millions of dollars						
Agriculture, forestry, fishing and hunting	x	x	x	x	x	x	7.1
Mining and oil and gas extraction	x	x	x	x	x	x	4.0
Utilities	6.7	x	x	x	x	x	x
Construction	1,511.2	x	260.6	17.6	x	x	2,080.7
Chemical manufacturing	173.7	x	30.8	x	x	x	321.6
Plastic and rubber products manufacturing	385.0	x	x	x	0.0	7.8	539.9
Non-metallic mineral product manufacturing	72.1	x	5.4	x	x	x	100.1
Primary metal manufacturing	x	x	x	x	x	x	x
Fabricated metal product manufacturing	105.9	25.1	21.0	x	9.0	x	226.3
Machinery manufacturing	436.1	x	90.6	107.4	x	x	804.7
Computer and electronic product manufacturing	x	5.1	x	x	120.4	3.0	196.1
Electrical equipment, appliance and component manufacturing	x	x	x	x	x	x	x
Other manufacturing	x	47.3	119.0	x	x	1.1	205.2
Wholesale trade	x	64.5	x	x	188.4	3,790.9	4,705.0
Retail trade	10.0	1.2	x	x	x	1.4	45.1
Finance and insurance services	x	x	x	x	x	x	x
Legal services	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Architectural and landscape architectural services	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Engineering services	13.3	x	x	60.6	x	x	133.0
Surveying and mapping (including geophysical) services	x	x	x	x	x	x	x
Testing laboratories	x	x	x	x	0.9	x	40.1
Computer systems design and related services	0.0	0.0	x	x	9.1	x	12.3
Environmental consulting services	4.7	0.8	2.8	0.8	9.5	3.5	22.0
Management consulting and other scientific and technical consulting services	x	x	x	x	x	0.4	x
Scientific research and development services	x	0.0	x	x	5.2	x	36.9
All other professional, scientific and technical services	x	x	x	x	x	x	x
Management of companies and enterprises	x	x	x	x	x	x	26.6
Administrative and support services	x	1.4	x	x	x	x	26.2
Waste management and remediation services	x	x	5.9	x	0.6	x	20.1
Other services	x	x	15.7	x	x	0.8	31.1
Total	3,386.7	671.0	839.7	662.8	371.4	4,138.6	10,070.1

Notes:

Figures may not add up to totals due to rounding.

1. Construction consists of engineering structures which are environmental in nature, such as sewage lagoons, water treatment plants and pumping stations, garbage disposal installations and renewable energy production facilities. With the exception of renewable energy production facilities, estimates of revenues for environmental engineering construction were derived from aggregated environmental expenditures reported by businesses and governments.
2. The classification system for environmental goods is shown in Text Box 2.2.
3. Environmental establishments are establishments that earned revenues from the sale of environmental goods (including construction) or services. Industry groups are based on the North American Industry Classification System (NAICS). Refer to Text Box 2.1 for a profile of these industry groups.
4. Between 2002 and 2004, a change was made to the classification of revenues related to the construction of water supply and sewage treatment facilities. While these revenues were included in the category "Noise/vibration abatement and other" in 2002, they were included in "Water supply, treatment and conservation" in 2004. For this reason, total revenues for "Water supply, treatment and conservation" and "Noise/vibration abatement and other" are not comparable between 2002 and 2004.

Source:

Statistics Canada, Environment Accounts and Statistics Division.

Table A.2.2
Revenues from sales of environmental goods (including construction¹), by type of environmental good² and by industry, 2002 (revised)

Industry groups which include environmental establishments ³	Water supply, treatment and conservation ⁴	Air pollution control	Waste management and remediation	Technologies to reduce greenhouse gas emissions	Analytical equipment	Noise/vibration abatement and other	Total revenues
	millions of dollars						
Agriculture, forestry, fishing and hunting	0.0	0.0	x	x	0.0	x	4.5
Mining and oil and gas extraction	x	x	x	x	x	x	x
Utilities	x	x	x	x	x	x	x
Construction	x	x	x	x	x	x	1,948.5
Chemical manufacturing	70.7	x	25.7	13.9	x	61.4	205.0
Plastic and rubber products manufacturing	187.4	7.6	85.5	x	0.0	x	x
Non-metallic mineral product manufacturing	x	x	x	x	x	x	x
Primary metal manufacturing	56.0	x	0.0	0.0	0.0	x	61.2
Fabricated metal product manufacturing	x	x	x	x	0.0	x	x
Machinery manufacturing	317.4	160.4	117.1	69.0	7.9	32.1	703.9
Computer and electronic product manufacturing	17.5	2.0	3.0	7.7	69.0	8.8	108.1
Electrical equipment, appliance and component manufacturing	0.0	x	0.0	x	0.0	47.0	x
Other manufacturing	2.8	x	191.1	x	x	9.0	269.2
Wholesale trade	289.1	54.8	67.2	84.9	72.3	3,330.3	3,898.6
Retail trade	1.8	1.1	12.0	16.1	x	x	51.3
Finance and insurance services	x	x	x	x	0.0	0.0	x
Legal services	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Architectural and landscape architectural services	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Engineering services	47.6	83.3	19.6	15.4	x	x	199.8
Surveying and mapping (including geophysical) services	0.0	0.0	x	0.0	x	x	x
Testing laboratories	0.0	x	x	x	x	x	x
Computer systems design and related services	x	x	x	x	x	x	x
Environmental consulting services	x	x	x	0.0	8.6	x	34.8
Management consulting and other scientific and technical consulting services	x	x	x	x	x	9.1	123.8
Scientific research and development services	x	x	x	x	x	x	43.6
All other professional, scientific and technical services	x	x	x	x	x	x	x
Management of companies and enterprises	x	x	x	x	x	x	x
Administrative and support services	x	x	x	x	x	x	x
Waste management and remediation services	x	x	x	x	x	15.7	70.1
Other services	6.3	x	x	x	x	x	x
Total	1,329.9	521.2	727.1	519.2	220.5	5,453.5	8,771.4

Notes:

Figures may not add up to totals due to rounding.

1. Construction consists of engineering structures which are environmental in nature, such as sewage lagoons, water treatment plants and pumping stations, garbage disposal installations and renewable energy production facilities. With the exception of renewable energy production facilities, estimates of revenues for environmental engineering construction were derived from aggregated environmental expenditures reported by businesses and governments.
2. The classification system for environmental goods is shown in Text Box 2.2.
3. Environmental establishments are establishments that earned revenues from the sale of environmental goods (including construction) or services. Industry groups are based on the North American Industry Classification System (NAICS). Refer to Text Box 2.1 for a profile of these industry groups.
4. Between 2002 and 2004, a change was made to the classification of revenues related to the construction of water supply and sewage treatment facilities. While these revenues were included in the category "Noise/vibration abatement and other" in 2002, they were included in "Water supply, treatment and conservation" in 2004. For this reason, total revenues for "Water supply, treatment and conservation" and "Noise/vibration abatement and other" are not comparable between 2002 and 2004.

Source:

Statistics Canada, Environment Accounts and Statistics Division.

Table A.3.1
Revenues from sales of environmental services, by type of environmental service¹ and by industry, 2004

Industry groups which include environmental establishments ²	Water supply, treatment and conservation	Air pollution control	Waste management and remediation	Research and development	Renewable energy and conservation	Consulting engineering and analytical services	Environmental management systems	Management consulting and legal services	Environmental education, training and information	Noise/vibration abatement and other	Total revenues
millions of dollars											
Agriculture, forestry fishing and hunting	x	x	1.1	x	x	4.9	x	x	x	x	11.6
Mining and oil and gas extraction	x	0.0	x	x	0.0	x	0.0	x	0.0	2.8	349.5
Utilities	10.4	x	x	x	x	x	x	x	x	x	x
Construction	x	1.0	x	0.2	x	4.8	x	0.5	x	x	154.7
Chemical manufacturing	x	x	x	x	x	x	x	x	x	x	35.6
Plastic and rubber products manufacturing	x	x	x	x	x	x	x	x	x	x	6.4
Non-metallic mineral product manufacturing	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Primary metal manufacturing	0.0	0.0	x	x	0.0	0.0	0.0	x	0.0	0.0	x
Fabricated metal product manufacturing	x	x	x	x	x	x	x	x	x	x	6.1
Machinery manufacturing	x	4.0	x	0.0	3.7	x	0.0	0.0	0.0	x	26.3
Computer and electronic product manufacturing	x	x	0.0	x	0.0	x	x	x	x	2.6	7.9
Electrical equipment, appliance and component manufacturing	x	x	x	x	x	x	x	x	x	x	x
Other manufacturing	x	x	x	x	27.5	0.0	0.0	0.0	0.0	0.0	59.5
Wholesale trade	5.0	0.1	517.0	x	0.1	x	x	x	0.4	0.8	627.0
Retail trade	x	x	x	x	0.1	x	x	x	x	x	1.9
Finance and insurance services	x	x	x	x	x	x	x	x	x	x	x
Legal services	x	x	x	x	x	x	x	x	x	x	174.1
Architectural and landscape architectural services	x	x	x	x	x	x	x	x	x	x	3.0
Engineering services	345.4	38.8	220.4	31.2	37.9	284.4	72.0	52.2	10.7	70.3	1,163.3
Surveying and mapping (including geophysical) services	x	0.0	0.1	x	x	20.9	0.0	x	x	x	x
Testing laboratories	4.0	x	x	1.8	x	170.4	0.1	x	1.1	3.7	211.6
Computer systems design and related services	x	0.0	x	x	0.0	x	2.6	x	1.2	x	8.3
Environmental consulting services	51.5	28.2	215.2	9.5	10.9	136.1	20.9	239.4	9.1	63.7	784.4
Management consulting and other scientific and technical consulting services	x	1.3	x	0.8	2.4	20.9	4.4	9.5	x	12.0	x
Scientific research and development services	1.1	x	1.7	x	2.8	x	x	14.8	x	5.8	36.4
All other professional, scientific and technical services	0.7	x	x	0.0	0.0	x	x	9.6	0.0	6.3	x
Management of companies and enterprises	x	3.8	11.1	x	x	1.2	x	2.5	x	x	29.2
Administrative and support services	x	0.5	51.3	x	x	0.7	x	4.1	0.2	x	92.7
Waste management and remediation services	14.3	1.1	4,069.2	0.3	0.5	9.6	1.5	16.3	1.0	77.8	4,191.7
Other services	x	2.1	29.0	x	x	18.8	x	x	x	0.8	73.4
Total	714.4	100.1	5,504.9	146.5	98.4	794.2	128.9	577.0	27.6	291.4	8,383.3

Notes:

Figures may not add up to totals due to rounding.

1. The classification system for environmental services is shown in Text Box 2.3.

2. Environmental establishments are establishments that earned revenues from the sale of environmental goods (including construction) or services. Industry groups are based on the North American Industry Classification System (NAICS). Refer to Text Box 2.1 for a profile of these industry groups.

Source:

Statistics Canada, Environment Accounts and Statistics Division.

Table A.3.2

Revenues from sales of environmental services, by type of environmental service¹ and by industry, 2002 (revised)

Industry groups which include environmental establishments ²	Water supply, treatment and conservation	Air pollution control	Waste management and remediation	Research and development	Renewable energy and energy conservation	Consulting engineering and analytical services	Environmental management systems	Management consulting and legal services	Environmental education training and information	Noise/vibration abatement and other	Total revenues
Agriculture, forestry fishing and hunting	x	x	x	x	x	x	x	x	x	x	8.4
Mining and oil and gas extraction	4.8	x	86.3	0.0	0.0	4.3	x	x	x	x	x
Utilities	x	0.0	x	x	x	x	0.0	0.0	0.0	0.0	x
Construction	24.0	1.1	x	x	2.8	3.8	x	x	x	x	126.6
Chemical manufacturing	x	x	x	x	x	x	x	x	x	x	34.8
Plastic and rubber products manufacturing	0.0	0.0	x	0.0	0.0	x	0.0	0.0	0.0	0.0	x
Non-metallic mineral product manufacturing	x	x	x	x	x	x	x	x	x	x	x
Primary metal manufacturing	0.0	0.0	9.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.8
Fabricated metal product manufacturing	0.0	x	0.0	0.0	0.0	0.0	0.0	0.0	0.0	x	x
Machinery manufacturing	5.9	x	17.4	0.0	x	x	0.0	0.0	0.0	0.0	49.2
Computer and electronic product manufacturing	0.1	0.0	0.0	x	0.0	x	x	x	0.0	1.7	4.2
Electrical equipment, appliance and component manufacturing	0.0	x	x	0.0	0.0	0.0	0.0	0.0	0.0	0.0	x
Other manufacturing	x	x	x	x	x	0.0	0.0	0.0	0.0	0.0	27.0
Wholesale trade	13.5	x	x	x	0.8	x	x	x	x	x	693.3
Retail trade	x	x	x	x	x	x	x	x	x	x	2.8
Finance and insurance services	x	x	x	x	x	x	x	x	x	x	x
Legal services	x	0.0	x	0.0	0.0	0.0	x	x	x	x	105.0
Architectural and landscape architectural services	x	x	x	x	x	x	x	x	x	x	5.3
Engineering services	275.1	24.3	189.2	11.4	28.2	270.5	44.4	34.7	9.8	27.3	914.8
Surveying and mapping (including geophysical) services	1.2	x	1.1	x	0.0	13.6	x	x	x	x	x
Testing laboratories	x	x	x	x	x	x	x	x	x	x	x
Computer systems design and related services	x	x	x	x	x	9.0	x	x	x	x	x
Environmental consulting services	35.8	24.0	229.7	21.1	2.8	83.9	15.5	177.7	10.6	9.5	610.5
Management consulting and other scientific and technical consulting services	4.6	x	x	3.3	2.5	x	x	16.6	1.4	x	46.5
Scientific research and development services	4.2	x	2.2	2.5	x	x	x	5.2	x	0.8	43.5
All other professional, scientific and technical services	x	x	x	x	x	x	x	x	x	x	x
Management of companies and enterprises	3.9	x	7.4	0.9	x	1.2	0.0	x	x	x	x
Administrative and support services	x	2.0	62.2	x	x	4.5	x	x	x	x	x
Waste management and remediation services	x	0.7	3,596.9	0.2	x	x	x	4.8	x	1.6	3,671.9
Other services	x	x	41.6	x	x	9.6	x	x	x	x	x
Total	469.7	79.6	5,081.0	50.1	82.8	637.3	68.8	402.9	28.4	105.9	7,006.4

Notes:

Figures may not add up to totals due to rounding.

1. The classification system for environmental services is shown in Text Box 2.3.

2. Environmental establishments are establishments that earned revenues from the sale of environmental goods (including construction) or services. Industry groups are based on the North American Industry Classification System (NAICS). Refer to Text Box 2.1 for a profile of these industry groups.

Source:

Statistics Canada, Environment Accounts and Statistics Division.

Table A.4.1
Revenues¹ from sales of environmental goods (including construction) and services² to reduce greenhouse gas emissions, by industry, 2004

Industry groups which include environmental establishments ³	Technologies for:							Sub-total	All services for reducing greenhouse gas emissions	Construction of renewable energy production facilities	Total revenues
	Energy conservation and efficiency	Solar and wind energy production and small-scale hydro-electricity production	Other renewable energy production	Cogeneration, methane capture and waste-to-energy conversion	Fuel cells and alternative fuel production	Other	millions of dollars				
Agriculture, forestry, fishing and hunting	x	x	0.0	x	x	0.0	x	0.0	x	x	
Mining and oil and gas extraction	0.0	0.0	0.0	0.0	x	0.0	x	0.0	0.0	x	
Utilities	x	x	x	0.0	0.0	0.0	x	0.4	x	x	
Construction	x	3.1	x	x	0.0	0.0	x	0.8	x	18.4	
Chemical manufacturing	x	7.8	0.0	0.0	x	0.0	x	x	x	21.1	
Plastic and rubber products manufacturing	x	0.0	0.0	0.0	x	0.0	x	0.0	x	x	
Non-metallic mineral product manufacturing	x	x	0.0	x	x	0.0	x	0.0	0.0	x	
Primary metal manufacturing	x	x	x	x	x	x	x	x	x	x	
Fabricated metal product manufacturing	15.5	x	0.0	x	x	0.0	x	x	x	x	
Machinery manufacturing	64.4	25.0	x	x	x	0.0	x	x	x	110.4	
Computer and electronic product manufacturing	x	x	0.0	x	0.0	0.0	x	x	x	22.7	
Electrical equipment, appliance and component manufacturing	x	x	x	x	x	x	x	x	x	159.5	
Other manufacturing	12.5	x	0.0	x	x	0.0	21.4	x	x	x	
Wholesale trade	x	30.2	x	x	0.0	0.0	x	x	x	70.9	
Retail trade	x	x	x	x	x	x	x	x	x	19.5	
Finance and insurance services	x	0.0	0.0	0.0	x	0.0	x	x	0.0	x	
Legal services	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Architectural and landscape architectural services	0.0	0.0	0.0	0.0	0.0	0.0	0.0	x	0.0	x	
Engineering services	x	x	x	x	x	x	54.5	36.6	6.0	97.1	
Surveying and mapping (including geophysical) services	x	x	x	x	x	x	x	x	x	x	
Testing laboratories	0.0	x	0.0	x	x	0.0	x	1.7	0.0	x	
Computer systems design and related services	x	0.0	0.0	0.0	0.0	0.0	x	0.0	0.0	x	
Environmental consulting services	0.1	0.5	0.0	0.0	0.2	0.0	0.8	24.9	0.0	25.7	
Management consulting and other scientific and technical consulting services	x	x	x	x	x	x	x	x	x	10.6	
Scientific research and development services	0.0	x	0.0	x	x	0.0	x	x	x	39.4	
All other professional, scientific and technical services	0.0	0.0	0.0	0.0	0.0	0.0	0.0	x	x	x	
Management of companies and enterprises	x	x	0.0	x	x	0.0	x	x	x	5.4	
Administrative and support services	x	x	x	x	x	x	x	x	x	x	
Waste management and remediation services	x	x	x	x	x	x	x	x	x	x	
Other services	x	x	x	x	x	x	x	x	x	2.9	
Total	318.0	169.0	6.9	23.3	128.5	0.0	645.6	108.8	17.2	771.6	

Notes:

Figures may not add up to totals due to rounding.

1. Revenues in this table are also included in tables A.1.1, A.2.1 and A.3.1.

2. The classification system for environmental goods and services is shown in text boxes 2.2 and 2.3.

3. Environmental establishments are establishments that earned revenues from the sale of environmental goods (including construction) or services. Industry groups are based on the North American Industry Classification System (NAICS). Refer to Text Box 2.1 for a profile of these industry groups.

Source:

Statistics Canada, Environment Accounts and Statistics Division.

Table A.4.2
Revenues¹ from sales of environmental goods (including construction) and services² to reduce greenhouse gas emissions, by industry, 2002 (revised)

Industry groups which include environmental establishments ³	Technologies for:						Sub-total	All services for reducing greenhouse gas emissions	Construction of renewable energy production facilities	Total revenues
	Energy conservation and efficiency	Solar and wind energy production and small-scale hydro-electricity production	Other renewable energy production	Cogeneration, methane capture and waste-to-energy conversion	Fuel cells and alternative fuel production	Other				
	millions of dollars									
Agriculture, forestry, fishing and hunting	x	0.0	0.0	x	0.0	0.0	x	x	x	x
Mining and oil and gas extraction	0.0	0.0	0.0	0.0	x	0.0	x	0.0	x	x
Utilities	0.0	x	0.0	0.0	0.0	0.0	x	x	x	x
Construction	x	x	x	x	x	x	x	x	x	12.7
Chemical manufacturing	0.0	x	x	0.0	x	0.0	13.9	x	0.0	x
Plastic and rubber products manufacturing	0.0	0.0	0.0	x	x	0.0	x	0.0	x	x
Non-metallic mineral product manufacturing	0.0	x	x	0.0	0.0	0.0	x	0.0	x	x
Primary metal manufacturing	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fabricated metal product manufacturing	x	0.0	0.0	0.0	x	0.0	x	0.0	x	x
Machinery manufacturing	40.7	x	x	x	18.3	x	69.0	x	x	84.3
Computer and electronic product manufacturing	x	x	x	x	x	x	7.7	0.0	0.0	7.7
Electrical equipment, appliance and component manufacturing	x	14.6	0.0	0.0	x	x	x	0.0	x	x
Other manufacturing	x	x	0.0	0.0	x	x	x	x	x	48.1
Wholesale trade	x	60.0	0.7	x	x	0.5	84.9	0.8	0.0	85.7
Retail trade	x	x	x	x	x	x	16.1	0.1	0.0	16.3
Finance and insurance services	x	0.0	0.0	0.0	0.0	0.0	x	x	x	x
Legal services	0.0	0.0	0.0	0.0	0.0	0.0	0.0	x	0.0	x
Architectural and landscape architectural services	0.0	0.0	0.0	0.0	0.0	0.0	0.0	x	0.0	x
Engineering services	x	6.8	x	x	x	x	14.0	35.9	1.4	51.2
Surveying and mapping (including geophysical) services	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing laboratories	0.0	x	0.0	0.0	0.0	0.0	x	1.9	x	2.1
Computer systems design and related services	0.0	x	0.0	0.0	x	0.0	x	x	x	x
Environmental consulting services	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.7	0.0	6.7
Management consulting and other scientific and technical consulting services	0.0	x	0.0	0.0	0.0	0.0	x	6.6	x	15.1
Scientific research and development services	0.0	0.0	0.0	0.0	x	x	x	1.8	x	x
All other professional, scientific and technical services	0.0	0.0	0.0	0.0	0.0	0.0	x	x	0.0	x
Management of companies and enterprises	x	0.0	0.0	x	x	0.0	x	x	x	x
Administrative and support services	x	x	x	x	x	x	x	x	x	0.4
Waste management and remediation services	x	x	x	x	x	x	x	x	x	1.0
Other services	0.0	x	x	x	x	x	x	x	x	3.0
Total	240.8	141.2	5.6	8.6	117.8	3.0	517.0	103.0	2.2	622.1

Notes:

Figures may not add up to totals due to rounding.

1. Revenues in this table are also included in tables A.1.2, A.2.2 and A.3.2.

2. The classification system for environmental goods and services is shown in text boxes 2.2 and 2.3.

3. Environmental establishments are establishments that earned revenues from the sale of environmental goods (including construction) or services. Industry groups are based on the North American Industry Classification System (NAICS). Refer to Text Box 2.1 for a profile of these industry groups.

Source:

Statistics Canada, Environment Accounts and Statistics Division.

Table A. 5.1
Revenues from sales of environmental goods and services, by province or territory, 2004

Province/territory	Environmental establishments ¹	Sales of environmental goods (including construction ²)	Sales of environmental services	Total revenues
	number	millions of dollars		
Newfoundland and Labrador	148	62.3	84.8	147.1
Prince Edward Island	50	14.4	19.5	33.8
Nova Scotia	384	174.0	215.3	389.3
New Brunswick	271	197.5	138.1	335.6
Quebec	1,662	2,112.2	1,365.8	3,478.0
Ontario	2,638	4,779.7	3,236.9	8,016.6
Manitoba	268	303.0	189.0	492.0
Saskatchewan	325	215.9	185.1	401.0
Alberta	1,330	1,216.4	1,597.6	2,814.0
British Columbia	1,352	985.4	1,314.8	2,300.2
Yukon Territory, Northwest Territories and Nunavut	75	9.3	36.5	45.8
Canada	8,503	10,070.1	8,383.3	18,453.4

Notes:

Figures may not add up to totals due to rounding.

1. Excludes establishments involved in environmental engineering construction.
2. For reference year 2004, a change was made to the methodology for producing estimates of revenues related to environmental engineering construction. For 2004, estimates of revenues for environmental engineering construction are derived from environmental capital expenditures reported by businesses and governments, supplemented with revenues reported to the Environment Industry Survey for renewable energy production facilities only. Previously, estimates of revenues for environmental engineering construction were derived from environmental capital expenditures reported by businesses and governments, supplemented with revenues reported to the Environment Industry Survey for all types of environmental engineering construction, not only renewable energy production facilities.

Source:

Statistics Canada, Environment Accounts and Statistics Division.

Table A.5.2
Revenues from sales of environmental goods and services, by province or territory, 2002 (revised)

Province/territory	Environmental establishments ¹	Sales of environmental goods (including construction ²)	Sales of environmental services	Total revenues
	number	millions of dollars		
Newfoundland and Labrador	143	52.1	64.1	116.2
Prince Edward Island	59	51.8	14.4	66.2
Nova Scotia	391	183.4	176.8	360.2
New Brunswick	272	172.5	135.6	308.1
Quebec	1,716	1,767.3	1,295.2	3,062.5
Ontario	2,488	4,106.1	2,849.1	6,955.3
Manitoba	256	232.0	163.1	395.1
Saskatchewan	296	152.0	135.9	287.9
Alberta	1,099	1,203.7	1,056.0	2,259.7
British Columbia	1,316	837.7	1,094.1	1,931.9
Yukon Territory, Northwest Territories and Nunavut	87	12.6	22.1	34.8
Canada	8,123	8,771.4	7,006.4	15,777.8

Notes:

Figures may not add up to totals due to rounding.

1. Excludes establishments involved in environmental engineering construction.
2. For reference year 2004, a change was made to the methodology for producing estimates of revenues related to environmental engineering construction. In this publication, estimates of revenues for environmental engineering construction are derived from environmental capital expenditures reported by businesses and governments, supplemented with revenues reported to the Environment Industry Survey for renewable energy production facilities only. Previously, estimates of revenues for environmental engineering construction were derived from environmental capital expenditures reported by businesses and governments, supplemented with revenues reported to the Environment Industry Survey for all types of environmental engineering construction, not only renewable energy production facilities.

Source:

Statistics Canada, Environment Accounts and Statistics Division.

Table A.6.1
Revenues from sales of environmental goods¹ (including construction²), by type of environmental good and by province or territory, 2004

Province/territory	Water supply, treatment and conservation ³	Air pollution control	Waste management and remediation	Technologies to reduce greenhouse gas emissions	Analytical equipment	Noise/vibration abatement and other	Total revenues
millions of dollars							
Newfoundland and Labrador	33.0	0.2	3.3	x	x	x	62.3
Prince Edward Island	6.2	x	x	x	x	x	14.4
Nova Scotia	29.4	9.8	19.6	20.1	15.6	79.5	174.0
New Brunswick	x	x	9.7	x	x	45.2	197.5
Quebec	557.2	113.0	x	x	x	1,031.5	2,112.2
Ontario	1,831.0	348.1	288.5	194.3	164.9	1,952.9	4,779.7
Manitoba	x	x	19.0	9.6	x	x	303.0
Saskatchewan	93.3	8.7	x	x	0.1	57.7	215.9
Alberta	402.3	107.2	218.7	x	114.0	x	1,216.4
British Columbia	x	x	x	x	x	x	985.4
Yukon Territory, Northwest Territories and Nunavut	x	x	x	x	x	x	9.3
Canada	3,386.7	671.0	839.7	662.8	371.4	4,138.6	10,070.1

Notes:

Figures may not add up to totals due to rounding.

- The classification system for environmental goods is shown in Text Box 2.2.
- Construction consists of engineering structures which are environmental in nature, such as sewage lagoons, water treatment plants and pumping stations, garbage disposal installations and renewable energy production facilities. With the exception of renewable energy production facilities, estimates of revenues for environmental engineering construction were derived from aggregated environmental expenditures reported by businesses and governments.
- Between 2002 and 2004 a change was made to the classification of revenues related to the construction of water supply and sewage treatment facilities. While these revenues were included in the category "Noise/vibration abatement and other" in 2002, they were included in "Water supply, treatment and conservation" in 2004. For this reason, total revenues for "Water supply, treatment and conservation" and "Noise/vibration abatement and other" are not comparable between 2002 and 2004.

Source:

Statistics Canada, Environment Accounts and Statistics Division.

Table A.6.2
Revenues from sales of environmental goods¹ (including construction²), by type of environmental good and by province or territory, 2002 (revised)

Province/territory	Water supply, treatment and conservation ³	Air pollution control	Waste management and remediation	Technologies to reduce greenhouse gas emissions	Analytical equipment	Noise/vibration abatement, other	Total revenues
millions of dollars							
Newfoundland and Labrador	x	x	x	x	x	40.1	52.1
Prince Edward Island	x	x	x	x	x	40.7	51.8
Nova Scotia	12.0	13.6	20.9	6.3	16.7	113.9	183.4
New Brunswick	x	x	x	x	3.5	x	172.5
Quebec	338.2	x	224.3	x	x	1,064.3	1,767.3
Ontario	791.5	325.0	264.3	325.8	110.2	2,289.3	4,106.1
Manitoba	11.5	x	x	x	3.6	x	232.0
Saskatchewan	5.4	x	x	x	2.4	x	152.0
Alberta	x	17.4	x	31.3	x	914.5	1,203.7
British Columbia	x	x	x	71.1	x	x	837.7
Yukon Territory, Northwest Territories and Nunavut	x	0.0	x	x	0.0	x	12.6
Canada	1,329.9	521.2	727.1	519.2	220.5	5,453.5	8,771.4

Notes:

Figures may not add up to totals due to rounding.

- The classification system for environmental goods is shown in Text Box 2.2.
- Construction consists of engineering structures which are environmental in nature, such as sewage lagoons, water treatment plants and pumping stations, garbage disposal installations and renewable energy production facilities. With the exception of renewable energy production facilities, estimates of revenues for environmental engineering construction were derived from aggregated environmental expenditures reported by businesses and governments.
- Between 2002 and 2004 a change was made to the classification of revenues related to the construction of water supply and sewage treatment facilities. While these revenues were included in the category "Noise/vibration abatement and other" in 2002, they were included in "Water supply, treatment and conservation" in 2004. For this reason, total revenues for "Water supply, treatment and conservation" and "Noise/vibration abatement and other" are not comparable between 2002 and 2004.

Source:

Statistics Canada, Environment Accounts and Statistics Division.

Table A.7.1
Revenues from sales of environmental services¹, by type of environmental service and by province or territory, 2004

Province/ territory	Water supply, treatment and conservation	Air pollution control	Waste management and remediation	Research and development	Renewable energy and conservation	Consulting engineering and analytical services	Environmental management systems	Management consulting and legal services	Environmental education, training and information	Noise/vibration abatement and other	Total revenues
millions of dollars											
Newfoundland and Labrador	x	0.7	41.8	x	0.7	20.9	x	3.9	x	x	84.8
Prince Edward Island	x	x	x	x	x	x	x	x	x	x	19.5
Nova Scotia	13.1	1.8	145.2	x	2.5	x	2.6	x	x	18.7	215.3
New Brunswick	14.5	2.2	88.7	x	3.1	x	1.9	x	x	x	138.1
Quebec	x	6.6	1,020.2	x	14.4	x	x	16.7	x	68.1	1,365.8
Ontario	x	50.1	2,202.0	x	44.2	x	31.9	306.9	x	x	3,236.9
Manitoba	16.8	0.7	x	x	1.3	8.3	x	x	x	2.8	189.0
Saskatchewan	x	0.3	x	x	1.5	x	2.4	5.2	x	3.8	185.1
Alberta	325.7	x	x	x	x	x	38.2	x	x	44.5	1,597.6
British Columbia	49.6	x	834.0	x	x	x	x	96.5	x	36.8	1,314.8
Yukon Territory, Northwest Territories and Nunavut	x	x	x	x	x	x	x	x	x	x	36.5
Canada	714.4	100.1	5,504.9	146.5	98.4	794.2	128.9	577.0	27.6	291.4	8,383.3

Notes:

Figures may not add up to totals due to rounding.

1. The classification system for environmental services is shown in Text Box 2.3.

Source:

Statistics Canada, Environment Accounts and Statistics Division.

Table A.7.2
Revenues from sales of environmental services¹, by type of environmental service and by province or territory, 2002 (revised)

Province/ territory	Water supply, treatment and conservation	Air pollution control	Waste management and remediation	Research and development	Renewable energy and conservation	Consulting engineering and analytical services	Environmental management systems	Management consulting and legal services	Environmental education, training and information	Noise/vibration abatement and other	Total revenues
millions of dollars											
Newfoundland and Labrador	4.8	x	34.4	x	1.0	x	2.0	4.4	1.1	x	64.1
Prince Edward Island	x	x	x	x	x	x	x	2.0	0.0	x	14.4
Nova Scotia	6.5	1.7	107.4	1.0	1.1	25.0	1.5	21.0	0.9	10.6	176.8
New Brunswick	x	x	x	1.6	1.3	x	1.9	7.9	0.6	x	135.6
Quebec	84.0	4.1	1,077.1	4.4	2.6	72.4	9.2	19.7	2.2	19.4	1,295.2
Ontario	211.5	42.4	1,997.2	19.3	32.9	281.7	19.0	184.0	14.5	46.6	2,849.1
Manitoba	x	x	x	x	0.9	x	x	6.9	0.8	1.0	163.1
Saskatchewan	6.6	0.4	96.0	1.3	x	x	x	1.9	0.3	0.2	135.9
Alberta	x	11.4	x	x	20.1	x	x	77.0	4.8	x	1,056.0
British Columbia	48.5	10.2	800.2	12.8	7.0	123.2	6.5	75.1	3.2	7.4	1,094.1
Yukon Territory, Northwest Territories and Nunavut	x	x	x	x	x	2.1	x	3.0	0.0	x	22.1
Canada	469.7	79.6	5,081.0	50.1	82.8	637.3	68.8	402.9	28.4	105.9	7,006.4

Notes:

Figures may not add up to totals due to rounding.

1. The classification system for environmental services is shown in Text Box 2.3.

Source:

Statistics Canada, Environment Accounts and Statistics Division.

Table A.8.1
Revenues¹ from sales of environmental goods (including construction) and services² to reduce greenhouse gas emissions, by province or territory, 2004

Province/territory	Technologies for:							Subtotal	All services for reducing greenhouse gas emissions	Construction of renewable energy production facilities	Total revenues
	Energy conservation and efficiency	Solar and wind energy production and small-scale hydroelectricity production	Other renewable energy production	Cogeneration, methane capture and waste-to-energy conversion	Fuel cells and alternative fuel production	Other	millions of dollars				
Newfoundland and Labrador	x	x	0.0	x	x	0.0	x	x	x	x	
Prince Edward Island	0.0	x	0.0	0.0	0.0	0.0	x	0.1	0.0	0.1	
Nova Scotia	13.0	6.4	x	x	0.0	0.0	20.1	2.6	0.0	22.7	
New Brunswick	23.5	x	0.0	x	x	0.0	27.0	x	x	32.8	
Quebec	108.7	34.4	x	2.3	0.0	x	146.9	x	x	169.7	
Ontario	105.0	24.5	x	14.1	43.4	x	187.4	44.0	6.9	238.3	
Manitoba	x	2.1	x	0.0	x	0.0	9.6	1.8	0.0	11.5	
Saskatchewan	15.6	11.4	x	x	0.0	x	31.0	x	x	31.6	
Alberta	38.2	33.3	x	0.0	x	x	87.3	x	x	104.7	
British Columbia	x	x	x	6.1	x	x	134.3	x	x	157.3	
Yukon Territory, Northwest Territories and Nunavut	0.0	x	0.0	0.0	0.0	x	x	0.1	0.0	x	
Canada	318.0	169.0	6.9	23.3	128.5	0.0	645.6	108.8	17.2	771.6	

Notes:

Figures may not add up to totals due to rounding.

1. Revenues in this table are also included in tables A.5.1, A.6.1 and A.7.1.

2. The classification system for environmental goods and services is shown in text boxes 2.2 and 2.3.

Source:

Statistics Canada, Environment Accounts and Statistics Division.

Table A.8.2
Revenues¹ from sales of environmental goods (including construction) and services² to reduce greenhouse gas emissions, by province or territory, 2002 (revised)

Province/territory	Technologies for:							Subtotal	All services for reducing greenhouse gas emissions	Construction of renewable energy production facilities	Total revenues
	Energy conservation and efficiency	Solar and wind energy production and small-scale hydroelectricity production	Other renewable energy production	Cogeneration, methane capture and waste-to-energy conversion	Fuel cells and alternative fuel production	Other	millions of dollars				
Newfoundland and Labrador	0.0	x	0.0	0.0	0.0	x	x	x	x	x	
Prince Edward Island	0.0	x	0.0	0.0	0.0	x	x	x	x	x	
Nova Scotia	0.0	x	x	x	0.0	x	x	1.5	x	7.8	
New Brunswick	x	x	x	x	0.0	0.0	x	x	x	17.2	
Quebec	x	16.5	x	x	x	1.3	x	x	x	31.2	
Ontario	196.1	75.3	x	x	50.9	1.1	325.5	x	x	371.7	
Manitoba	0.0	x	x	0.0	x	x	6.9	1.2	0.0	8.1	
Saskatchewan	22.7	x	x	x	0.0	0.0	32.4	x	x	47.7	
Alberta	x	x	x	x	x	x	31.1	x	x	54.9	
British Columbia	x	20.6	0.0	x	45.3	x	70.3	x	x	79.9	
Yukon Territory, Northwest Territories and Nunavut	0.0	x	0.0	0.0	0.0	x	x	x	x	x	
Canada	240.8	141.2	5.6	8.6	117.8	3.0	517.0	103.0	2.2	622.1	

Notes:

Figures may not add up to totals due to rounding.

1. Revenues in this table are also included in tables A.5.2, A.6.2 and A.7.2.

2. The classification system for environmental goods and services is shown in text boxes 2.2 and 2.3.

Source:

Statistics Canada, Environment Accounts and Statistics Division.

Table A.9.1
Revenues from sales of environmental goods and services, by establishment size, 2004

Number of employees per establishment	Environmental establishments ¹	Sales of environmental goods (including construction ²)	Sales of environmental services	Total revenues
	number	millions of dollars		
Fewer than 100	8,180	6,597.7	4,837.8	11,435.5
100 to 499	284	2,812.5	2,274.7	5,087.2
500 or more	39	659.9	1,270.8	1,930.8
Total	8,503	10,070.1	8,383.3	18,453.4

Notes:

Figures may not add up to totals due to rounding.

1. Excludes establishments involved in environmental engineering construction.
2. For reference year 2004, a change was made to the methodology for producing estimates of revenues related to environmental engineering construction. For 2004, estimates of revenues for environmental engineering construction are derived from environmental capital expenditures reported by businesses and governments, supplemented with revenues reported to the Environment Industry Survey for renewable energy production facilities only. Previously, estimates of revenues for environmental engineering construction were derived from environmental capital expenditures reported by businesses and governments, supplemented with revenues reported to the Environment Industry Survey for all types of environmental engineering construction, not only renewable energy production facilities.

Source:

Statistics Canada, Environment Accounts and Statistics Division.

Table A.9.2
Revenues from sales of environmental goods and services, by establishment size, 2002 (revised)

Number of employees per establishment	Environmental establishments ¹	Sales of environmental goods (including construction ²)	Sales of environmental services	Total revenues
	number	millions of dollars		
Fewer than 100	7,518	4,753.2	3,889.4	8,642.6
100 to 499	523	2,957.1	2,250.6	5,207.7
500 or more	82	1,061.1	866.4	1,927.5
Total	8,123	8,771.4	7,006.4	15,777.8

Notes:

Figures may not add up to totals due to rounding.

1. Excludes establishments involved in environmental engineering construction.
2. For 2002, estimates of revenues for environmental engineering construction were derived from environmental capital expenditures reported by businesses and governments, supplemented with revenues reported to the Environment Industry Survey for all types of environmental engineering construction.

Source:

Statistics Canada, Environment Accounts and Statistics Division.

Table A.10.1
Revenues from sales of environmental goods¹ (including construction²), by type of environmental good and by establishment size, 2004

Number of employees per establishment	Water supply, treatment and conservation ³	Air pollution control	Waste management and remediation	Technologies to reduce greenhouse gas emissions	Analytical equipment	Noise/ vibration abatement and other	Total revenues
	millions of dollars						
Fewer than 100	2,281.3	x	x	275.4	x	2,991.5	6,597.7
100 to 499	968.1	x	x	x	x	1,082.9	2,812.5
500 or more	137.3	x	71.8	x	x	64.2	659.9
Total	3,386.7	671.0	839.7	662.8	371.4	4,138.6	10,070.1

Notes:

Figures may not add up to totals due to rounding.

- The classification system for environmental goods is shown in Text Box 2.2.
- Construction consists of engineering structures which are environmental in nature, such as sewage lagoons, water treatment plants and pumping stations, garbage disposal installations and renewable energy production facilities. With the exception of renewable energy production facilities, estimates of revenues for environmental engineering construction were derived from aggregated environmental expenditures reported by businesses and governments.
- Between 2002 and 2004 a change was made to the classification of revenues related to the construction of water supply and sewage treatment facilities. While these revenues were included in the category "Noise/vibration abatement and other" in 2002, they were included in "Water supply, treatment and conservation" in 2004. For this reason, total revenues for "Water supply, treatment and conservation" and "Noise/vibration abatement and other" are not comparable between 2002 and 2004.

Source:

Statistics Canada, Environment Accounts and Statistics Division.

Table A.10.2
Revenues from sales of environmental goods¹ (including construction²), by type of environmental good and by establishment size, 2002 (revised)

Number of employees per establishment	Water supply, treatment and conservation ³	Air pollution control	Waste management and remediation	Technologies to reduce greenhouse gas emissions	Analytical equipment	Noise/ vibration abatement and other	Total revenues
	millions of dollars						
Fewer than 100	659.9	271.3	373.5	357.8	165.4	2,925.2	4,753.2
100 to 499	x	x	199.6	x	45.6	x	2,957.1
500 or more	x	x	154.0	x	9.5	x	1,061.1
Total	1,329.9	521.2	727.1	519.2	220.5	5,453.5	8,771.4

Notes:

Figures may not add up to totals due to rounding.

- The classification system for environmental goods is shown in Text Box 2.2.
- Construction consists of engineering structures which are environmental in nature, such as sewage lagoons, water treatment plants and pumping stations, garbage disposal installations and renewable energy production facilities. With the exception of renewable energy production facilities, estimates of revenues for environmental engineering construction were derived from aggregated environmental expenditures reported by businesses and governments.
- Between 2002 and 2004 a change was made to the classification of revenues related to the construction of water supply and sewage treatment facilities. While these revenues were included in the category "Noise/vibration abatement and other" in 2002, they were included in "Water supply, treatment and conservation" in 2004. For this reason, total revenues for "Water supply, treatment and conservation" and "Noise/vibration abatement and other" are not comparable between 2002 and 2004.

Source:

Statistics Canada, Environment Accounts and Statistics Division.

Table A.11.1
Revenues from sales of environmental services¹, by type of environmental service and by establishment size, 2004

Number of employees per establishment	Water supply, treatment and conservation	Air pollution control	Waste management and remediation	Research and development	Renewable energy and conservation	Consulting engineering and analytical services	Environmental management systems	Management consulting and legal services	Environmental education training and information	Noise/vibration abatement and other	Total revenues
Fewer than 100	x	x	3,155.8	x	64.6	x	x	363.9	x	x	4,837.8
100 to 499	x	x	1,620.7	x	21.5	x	x	100.6	x	x	2,274.7
500 or more	x	x	728.3	x	12.3	x	x	112.5	x	x	1,270.8
Total	714.4	100.1	5,504.9	146.5	98.4	794.2	128.9	577.0	27.6	291.4	8,383.3

Notes:

Figures may not add up to totals due to rounding.

1. The classification system for environmental services is shown in Text Box 2.3.

Source:

Statistics Canada, Environment Accounts and Statistics Division.

Table A.11.2
Revenues from sales of environmental services¹, by type of environmental service and by establishment size, 2002 (revised)

Number of employees per establishment	Water supply, treatment and conservation	Air pollution control	Waste management and remediation	Research and development	Renewable energy and conservation	Consulting engineering and analytical services	Environmental management systems	Management consulting and legal services	Environmental education training and information	Noise/vibration abatement and other	Total revenues
Fewer than 100	288.6	64.3	2,798.8	34.7	37.0	328.9	30.5	237.1	19.8	49.7	3,889.4
100 to 499	x	12.9	1,572.2	15.0	x	258.0	x	x	8.2	53.9	2,250.6
500 or more	x	2.4	710.1	0.4	x	50.4	x	x	0.4	2.3	866.4
Total	469.7	79.6	5,081.0	50.1	82.8	637.3	68.8	402.9	28.4	105.9	7,006.4

Notes:

Figures may not add up to totals due to rounding.

1. The classification system for environmental services is shown in Text Box 2.3.

Source:

Statistics Canada, Environment Accounts and Statistics Division.

Table A.12.1

Revenues¹ from sales of environmental goods (including construction) and services² to reduce greenhouse gas emissions, by establishment size, 2004

Number of employees per establishment	Technologies for:								All services for reducing greenhouse gas emissions	Construction of renewable energy production facilities	Total revenues
	Energy conservation and efficiency	Solar and wind energy production and small-scale hydroelectricity production	Other renewable energy production	Cogeneration, methane capture and waste-to-energy conversion	Fuel cells and alternative fuel production	Other	Subtotal				
	millions of dollars										
Fewer than 100	126.1	68.6	x	18.5	38.1	x	258.2	87.4	17.2	362.8	
100 to 499	x	x	x	x	x	x	141.1	x	x	155.1	
500 or more	x	x	x	x	x	0.0	246.3	x	x	253.7	
Total	318.0	169.0	6.9	23.3	128.5	0.0	645.6	108.8	17.2	771.6	

Notes:

Figures may not add up to totals due to rounding.

1. Revenues in this table are also included in tables A.9.1, A.10.1 and A.11.1.

2. The classification system for environmental goods and services is shown in text boxes 2.2 and 2.3.

Source:

Statistics Canada, Environment Accounts and Statistics Division.

Table A.12.2

Revenues¹ from sales of environmental goods (including construction) and services² to reduce greenhouse gas emissions, by establishment size, 2002 (revised)

Number of employees per establishment	Technologies for:								All services for reducing greenhouse gas emissions	Construction of renewable energy production facilities	Total revenues
	Energy conservation and efficiency	Solar and wind energy production and small-scale hydroelectricity production	Other renewable energy production	Cogeneration, methane capture and waste-to-energy conversion	Fuel cells and alternative fuel production	Other	Subtotal				
	millions of dollars										
Fewer than 100	x	109.2	x	x	x	3.0	356.5	50.7	1.4	408.5	
100 to 499	51.4	x	x	x	x	0.0	x	x	x	x	
500 or more	x	x	0.0	x	x	0.0	x	x	x	x	
Total	240.8	141.2	5.6	8.6	117.8	3.0	517.0	103.0	2.2	622.1	

Notes:

Figures may not add up to totals due to rounding.

1. Revenues in this table are also included in tables A.9.2, A.10.2 and A.11.2.

2. The classification system for environmental goods and services is shown in text boxes 2.2 and 2.3.

Source:

Statistics Canada, Environment Accounts and Statistics Division.

Table A.13.1
Revenues from exports¹ of environmental goods and services, by industry and by destination, 2004

Industry groups which include environmental establishments ²	Environmental establishments reporting export revenues	United States	South America	Mexico	Other Central America	Europe	Middle East	Africa	China	Japan	Other Asia	Australia	Other	Total revenues
	number													
Agriculture, forestry, fishing and hunting	6	x	x	x	x	x	x	x	x	x	x	x	x	0.4
Mining and oil and gas extraction	6	1.2	0.0	x	x	x	0.0	x	x	x	x	x	x	2.0
Utilities	7	1.9	x	x	x	x	x	x	x	x	x	x	x	2.4
Construction ¹	15	4.6	x	x	x	x	x	x	x	x	x	x	0.5	13.3
Chemical manufacturing	15	11.5	0.0	x	x	x	x	x	x	0.0	x	0.0	x	14.1
Plastic and rubber products manufacturing	21	132.7	x	x	x	1.3	x	x	x	0.2	3.2	x	x	141.1
Non-metallic mineral product manufacturing	7	14.3	x	x	x	x	x	0.0	x	x	x	0.0	x	15.0
Primary metal manufacturing	4	13.3	0.0	0.0	0.0	x	0.0	0.0	0.0	0.0	0.0	0.0	x	13.3
Fabricated metal product manufacturing	17	43.7	x	x	0.0	8.4	0.2	x	x	x	x	x	x	54.9
Machinery manufacturing	92	289.5	4.6	4.5	2.5	16.8	6.7	0.1	8.5	6.6	11.4	0.7	1.7	353.6
Computer and electronic product manufacturing	34	79.8	3.4	0.7	x	19.4	1.1	0.6	2.3	5.6	6.3	3.2	x	122.7
Electrical equipment, appliance and component manufacturing	6	157.1	x	0.9	x	x	x	x	x	x	x	x	x	159.3
Other manufacturing	22	90.3	2.4	1.5	x	9.4	2.1	x	0.3	x	2.2	x	x	110.6
Wholesale trade ¹	74	105.9	x	0.4	0.3	3.0	0.0	0.4	x	x	0.1	0.0	x	122.5
Retail trade	x	x	x	x	x	x	x	x	x	x	x	x	x	0.0
Finance and insurance services	x	x	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	x	0.4
Legal services	x	x	x	0.0	0.0	0.0	0.0	0.0	0.0	0.0	x	x	0.0	0.4
Architectural and landscape architectural services	x	x	0.0	0.0	0.0	0.0	x	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Engineering services	90	75.0	15.8	0.8	x	7.3	3.1	7.8	0.9	1.2	3.4	x	1.0	130.7
Surveying and mapping (including geophysical) services	4	2.3	0.0	x	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	x	3.6
Testing laboratories	23	35.0	0.3	x	x	4.9	x	x	x	x	x	x	0.1	48.8
Computer systems design and related services	12	2.3	x	x	x	x	x	x	x	x	x	x	x	6.2
Environmental consulting services	578	12.1	1.5	0.6	0.7	3.1	0.5	1.5	x	0.5	2.3	x	2.4	26.7
Management consulting and other scientific and technical consulting services	42	19.6	1.1	x	x	2.1	0.5	7.4	x	x	0.6	x	x	33.3
Scientific research and development services	16	9.5	x	0.0	0.0	x	x	0.0	x	x	0.7	0.0	x	40.0
All other professional, scientific and technical services	6	0.8	x	0.0	0.0	x	x	0.0	x	x	0.0	x	x	1.4
Management of companies and enterprises	9	19.7	x	x	0.3	2.6	x	x	x	x	x	x	x	27.0
Administrative and support services	8	x	0.0	x	0.0	x	x	x	0.0	x	0.0	x	0.0	10.3
Waste management and remediation services ¹	28	22.1	0.1	0.0	x	0.3	x	0.0	0.0	0.1	0.0	0.1	0.0	24.5
Other services	16	12.0	0.4	0.0	x	x	x	0.0	x	0.1	x	x	x	22.5
Total	1,165	1,167.5	31.5	12.8	21.4	110.6	19.8	19.8	33.9	31.1	36.8	7.3	8.9	1,501.4

Notes:

Figures may not add up to totals due to rounding.

- Exports revenues are not available for establishments in the industry group "Recyclable Material Wholesaler-Distributors" (NAICS 4181), most establishments involved in waste management (NAICS 5621 and 5622) and environmental engineering construction (for example, water or sewage treatment plants, waste disposal installations).
- Environmental establishments are establishments that earned revenues from the sale of environmental goods (including construction) or services. Industry groups are based on the North American Industry Classification System (NAICS).

Source:

Statistics Canada, Environment Accounts and Statistics Division.

Table A.13.2
Revenues from exports¹ of environmental goods and services, by industry and by destination, 2002 (revised)

Industry groups which include environmental establishments ²	Environmental establishments reporting export revenues	United States	South America	Mexico	Other Central America	Europe	Middle East	Africa	China	Japan	Other Asia	Australia	Other	Total revenues
	number													
Agriculture, forestry, fishing and hunting	5	x	x	x	x	x	x	x	x	x	x	x	x	0.3
Mining and oil and gas extraction	5	x	x	x	x	x	x	x	x	x	x	x	x	2.1
Utilities	5	x	x	x	x	x	x	x	x	x	0.0	0.0	x	x
Construction ¹	16	x	x	x	x	x	x	x	0.0	0.0	x	0.0	x	11.2
Chemical manufacturing	14	14.8	x	x	x	1.2	x	x	x	0.0	x	0.0	0.0	18.3
Plastic and rubber products manufacturing	19	73.0	1.0	1.2	1.9	5.4	0.1	x	x	1.3	x	0.1	x	90.0
Non-metallic mineral product manufacturing	7	x	0.0	x	x	x	0.0	0.0	x	x	x	0.0	x	13.0
Primary metal manufacturing	6	x	0.0	0.0	0.0	x	0.0	0.0	0.0	0.0	0.0	0.0	x	10.7
Fabricated metal product manufacturing	19	42.0	x	0.0	0.0	x	0.0	x	x	0.0	x	0.0	x	46.8
Machinery manufacturing	85	254.4	3.7	4.2	0.4	25.4	2.1	x	6.3	1.2	x	1.0	4.2	313.7
Computer and electronic product manufacturing	34	42.2	0.8	0.6	0.1	6.9	0.3	0.6	1.3	3.4	1.8	1.3	0.6	59.9
Electrical equipment, appliance and component manufacturing	4	x	x	x	x	x	0.0	x	x	0.0	x	x	x	x
Other manufacturing	18	174.3	x	2.5	0.7	x	x	x	0.0	x	5.5	0.0	x	201.2
Wholesale trade ¹	59	34.4	1.3	0.5	0.8	0.7	0.8	x	0.7	0.1	0.4	0.2	x	42.8
Retail trade	x	0.0	0.0	0.0	0.0	x	0.0	0.0	0.0	0.0	0.0	0.0	x	x
Finance and insurance services	x	x	0.0	0.0	0.0	x	0.0	0.0	x	0.0	0.0	0.0	0.0	x
Legal services	x	x	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	x	x
Architectural and landscape architectural services	x	x	0.0	0.0	0.0	0.0	x	0.0	x	0.0	0.0	0.0	0.0	x
Engineering services	117	57.4	32.7	0.1	1.7	13.6	0.3	11.5	11.4	1.1	5.0	9.0	5.5	149.2
Surveying and mapping (including geophysical) services	9	8.4	0.0	x	0.0	x	0.0	x	0.0	0.0	0.0	0.0	x	9.8
Testing laboratories	24	11.1	0.5	x	x	0.8	x	x	x	x	0.2	0.2	x	16.6
Computer systems design and related services	20	3.7	x	x	x	0.7	x	x	0.0	x	0.3	x	x	5.7
Environmental consulting services	235	42.3	6.2	x	0.5	4.7	1.0	1.8	x	x	2.4	1.0	x	66.6
Management consulting and other scientific and technical consulting services	36	34.5	1.0	x	x	x	0.1	2.6	x	x	x	x	2.0	47.3
Scientific research and development services	12	x	0.0	x	0.0	x	0.0	0.0	0.0	x	x	x	0.0	x
All other professional, scientific and technical services	6	1.4	0.0	0.0	0.0	0.0	x	0.0	0.0	x	0.0	0.0	0.0	1.6
Management of companies and enterprises	7	18.3	0.6	x	x	x	x	x	x	x	x	x	x	29.6
Administrative and support services	10	x	0.0	x	0.0	x	x	x	x	x	x	x	x	3.8
Waste management and remediation services ¹	13	x	0.0	0.0	0.0	x	0.0	0.0	0.0	0.0	0.0	x	x	76.9
Other services	16	8.5	0.3	x	0.0	x	x	x	x	x	x	x	x	21.3
Total	810	1,017.1	49.9	10.9	6.5	121.0	8.6	20.3	27.4	41.5	35.5	13.2	20.5	1,372.2

Notes:

Figures may not add up to totals due to rounding.

- Export revenues are not available for establishments in the industry group "Recyclable Material Wholesaler-Distributors" (NAICS 4181), most establishments involved in waste management (NAICS 5621 and 5622) and environmental engineering construction (for example, water or sewage treatment plants, waste disposal installations).
- Environmental establishments are establishments that earned revenues from the sale of environmental goods (including construction) or services. Industry groups are based on the North American Industry Classification System (NAICS).

Source:

Statistics Canada, Environment Accounts and Statistics Division.

Table A.14.1

Revenues from exports¹ of environmental goods and services, by province or territory and by destination, 2004

Province/Territory	Environmental establishments reporting export revenues	United States	South America	Mexico	Other Central America	Europe	Middle East	Africa	China	Japan	Other Asia	Australia	Other	Total revenues
	number													
Newfoundland and Labrador	8	x	x	x	x	x	x	x	x	x	x	x	x	x
Prince Edward Island	x	0.0	x	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	x
Nova Scotia	52	17.7	0.1	x	x	x	x	0.3	x	0.2	0.5	x	0.2	22.1
New Brunswick	16	x	x	x	x	x	x	x	x	x	x	x	x	x
Quebec	161	250.0	x	x	1.9	x	1.6	x	1.0	x	2.7	x	1.5	298.7
Ontario	391	674.2	15.3	7.4	5.0	46.1	12.1	8.6	13.1	14.7	24.2	5.6	2.8	829.1
Manitoba	23	x	x	x	x	x	x	x	x	x	x	x	x	x
Saskatchewan	33	x	x	x	x	x	x	x	x	x	x	x	x	x
Alberta	238	x	1.4	0.5	0.3	8.6	x	3.1	0.5	1.6	x	0.2	x	105.0
British Columbia	231	x	8.2	1.7	x	29.2	1.2	0.2	x	x	x	0.3	0.9	212.8
Yukon Territory, Northwest Territories and Nunavut	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Canada	1,165	1,167.5	31.5	12.8	21.4	110.6	19.8	19.8	33.9	31.1	36.8	7.3	8.9	1,501.4

Notes:

Figures may not add up to totals due to rounding.

1. Exports revenues are not available for establishments in the industry group "Recyclable Material Wholesaler-Distributors" (NAICS 4181), most establishments involved in waste management (NAICS 5621 and 5622) and environmental engineering construction (for example, water or sewage treatment plants, waste disposal installations).

Source:

Statistics Canada, Environment Accounts and Statistics Division.

Table A.14.2

Revenues from exports¹ of environmental goods and services, by province or territory and by destination, 2002 (revised)

Province/Territory	Environmental establishments reporting export revenues	United States	South America	Mexico	Other Central America	Europe	Middle East	Africa	China	Japan	Other Asia	Australia	Other	Total revenues
	number													
Newfoundland and Labrador	x	x	x	x	x	x	x	x	0.0	0.0	0.0	0.0	x	x
Prince Edward Island	x	x	x	x	x	x	x	x	x	x	x	x	x	0.4
Nova Scotia	38	x	x	x	x	x	x	x	x	x	x	x	x	x
New Brunswick	x	x	x	x	x	x	x	0.0	x	x	x	x	x	x
Quebec	111	203.6	2.8	x	1.8	x	0.6	x	1.8	x	x	x	3.2	256.9
Ontario	426	562.8	26.4	7.2	2.9	43.1	6.1	4.7	15.1	13.3	22.1	10.3	7.8	721.7
Manitoba	16	x	x	x	x	x	x	x	x	x	x	x	x	12.8
Saskatchewan	x	x	x	x	0.0	x	0.0	x	0.0	x	x	x	x	x
Alberta	60	x	x	x	x	x	x	x	x	x	x	x	x	139.7
British Columbia	109	75.9	16.5	x	x	31.5	0.5	x	3.9	x	5.4	1.7	1.2	173.2
Yukon Territory, Northwest Territories and Nunavut	x	x	0.0	x	0.0	0.0	0.0	0.0	0.0	0.0	x	0.0	0.0	x
Canada	810	1,017.1	49.9	10.9	6.5	121.0	8.6	20.3	27.4	41.5	35.5	13.2	20.5	1,372.2

Notes:

Figures may not add up to totals due to rounding.

1. Export revenues are not available for establishments in the industry group "Recyclable Material Wholesaler-Distributors" (NAICS 4181), most establishments involved in waste management (NAICS 5621 and 5622) and environmental engineering construction (for example, water or sewage treatment plants, waste disposal installations).

Source:

Statistics Canada, Environment Accounts and Statistics Division.

Table A.15.1
Revenues from exports¹ of environmental goods and services, by establishment size and by destination, 2004

Number of employees per establishment	Environmental establishments reporting export revenues	United States	South America	Mexico	Other Central America	Europe	Middle East					Other Asia	Australia	Other	Total revenues
	number						East	Africa	China	Japan	millions of dollars				
Fewer than 100	1,084	590.4	x	x	x	64.9	x	16.8	24.6	14.8	24.2	4.2	x	809.2	
100 to 499	65	405.7	x	x	0.8	x	x	0.7	8.8	x	x	3.1	x	474.1	
500 or more	16	171.3	x	x	x	x	x	2.3	0.5	x	x	0.0	x	218.0	
Total	1,165	1,167.5	31.5	12.8	21.4	110.6	19.8	19.8	33.9	31.1	36.8	7.3	8.9	1,501.4	

Notes:

Figures may not add up to totals due to rounding.

1. Exports revenues are not available for establishments in the industry group "Recyclable Material Wholesaler-Distributors" (NAICS 4181), most establishments involved in waste management (NAICS 5621 and 5622) and environmental engineering construction (for example, water or sewage treatment plants, waste disposal installations).

Source:

Statistics Canada, Environment Accounts and Statistics Division.

Table A.15.2
Revenues from exports¹ of environmental goods and services, by establishment size and by destination, 2002 (revised)

Number of employees per establishment	Environmental establishments reporting export revenues	United States	South America	Mexico	Other Central America	Europe	Middle East					Other Asia	Australia	Other	Total revenues
	number						East	Africa	China	Japan	millions of dollars				
Fewer than 100	670	479.9	24.8	x	x	55.3	6.0	x	x	16.4	x	3.6	17.6	655.7	
100 to 499	130	428.1	24.8	2.7	1.2	x	x	x	16.9	x	x	9.5	2.9	562.2	
500 or more	10	109.0	0.3	x	x	x	x	0.7	x	x	x	0.0	0.0	154.3	
Total	810	1,017.1	49.9	10.9	6.5	121.0	8.6	20.3	27.4	41.5	35.5	13.2	20.5	1,372.2	

Notes:

Figures may not add up to totals due to rounding.

1. Export revenues are not available for establishments in the industry group "Recyclable Material Wholesaler-Distributors" (NAICS 4181), most establishments involved in waste management (NAICS 5621 and 5622) and environmental engineering construction (for example, water or sewage treatment plants, waste disposal installations).

Source:

Statistics Canada, Environment Accounts and Statistics Division.

Table A.16.1
Revenues from exports¹ of environmental goods and services, by type of good or service², Canada, 2004

	millions of dollars
Goods	
Water supply, treatment, conservation	431.3
Air pollution control	177.8
Waste management, remediation	194.1
Technologies for energy conservation and efficiency	91.8
Technologies and facilities for renewable energy production and alternative fuel production	173.5
Analytical equipment	108.9
Noise/vibration abatement, other	67.4
Subtotal	1,245.0
Services³	
Water supply, treatment, conservation	37.1
Air pollution control	10.1
Waste management, remediation	74.8
Research and development	30.6
Renewable energy and energy conservation	12.5
Consulting engineering and analytical services	63.5
Management consulting and legal services, environmental management systems	17.4
Environmental education, training and information	1.7
Noise/vibration abatement, other	8.7
Subtotal	256.4
Total export revenues (goods and services)	1,501.4

Notes:

Figures may not add up to totals due to rounding.

1. Exports revenues are not available for establishments in the industry group "Recyclable Material Wholesaler-Distributors" (NAICS 4181), most establishments involved in waste management (NAICS 5621 and 5622) and environmental engineering construction (for example, water or sewage treatment plants, waste disposal installations).
2. Export revenues for each category of good or service are derived based on the proportion of total revenues (domestic and international) that is attributable to sales of each category of goods or services.
3. In 2002, export revenues for services included a small proportion of environmental engineering construction. These revenues are not included in 2004.

Source:

Statistics Canada, Environment Accounts and Statistics Division.

Table A.16.2
Revenues from exports¹ of environmental goods and services, by type of good or service², Canada, 2002 (revised)

	millions of dollars
Goods	
Water supply, treatment, conservation	315.9
Air pollution control	192.1
Waste management, remediation	287.7
Technologies for energy conservation and efficiency	17.0
Technologies and facilities for renewable energy production and alternative fuel production	122.8
Analytical equipment	76.7
Noise/vibration abatement, other	53.0
Subtotal	1,065.2
Services³	
Water supply, treatment, conservation	24.2
Air pollution control	8.4
Waste management, remediation	116.4
Research and development	13.2
Renewable energy and energy conservation	18.7
Consulting engineering and analytical services	92.5
Management consulting and legal services, environmental management systems	19.6
Environmental education, training and information	2.2
Noise/vibration abatement, other	11.8
Subtotal	307.0
Total export revenues (goods and services)	1,372.2

Notes:

Figures may not add up to totals due to rounding.

1. Export revenues are not available for establishments in the industry group "Recyclable Material Wholesaler-Distributors" (NAICS 4181), most establishments involved in waste management (NAICS 5621 and 5622) and environmental engineering construction (for example, water or sewage treatment plants, waste disposal installations).
2. Export revenues for each category of good or service are derived based on the proportion of total revenues (domestic and international) that is attributable to sales of each category of goods or services.
3. In 2002, export revenues for services included a small proportion of environmental engineering construction.

Source:

Statistics Canada, Environment Accounts and Statistics Division.

Table A.17.1
Revenues from exports¹ of environmental goods², by type of environmental good and by province or territory, 2004

Province/Territory	Water supply, treatment and conservation	Air pollution control	Waste management and remediation	Technologies for energy conservation and efficiency	Technologies and facilities for renewable energy production and alternative fuel production	Analytical equipment	Noise/vibration abatement and other	Total revenues
Newfoundland and Labrador	x	x	x	x	x	x	x	x
Prince Edward Island	x	x	0.0	0.0	0.0	x	0.0	x
Nova Scotia	0.4	x	0.5	x	x	x	3.7	20.1
New Brunswick	x	x	x	x	x	x	x	x
Quebec	92.7	x	75.9	x	x	x	x	251.7
Ontario	264.7	x	82.1	51.3	14.6	x	41.9	695.6
Manitoba	x	x	x	x	x	x	x	4.1
Saskatchewan	1.7	x	x	0.0	x	x	0.0	x
Alberta	x	x	x	x	x	x	0.0	x
British Columbia	x	x	x	0.0	108.1	x	x	x
Yukon Territory, Northwest Territories and Nunavut	x	x	x	x	x	x	x	x
Canada	431.3	177.8	194.1	91.8	173.5	108.9	67.4	1,245.0

Notes:

Figures may not add up to totals due to rounding.

- Exports revenues are not available for establishments in the industry group "Recyclable Material Wholesaler-Distributors" (NAICS 4181), most establishments involved in waste management (NAICS 5621 and 5622) and environmental engineering construction (for example, water or sewage treatment plants, waste disposal installations).
- Export revenues for each category of good are derived based on the proportion of total revenues (domestic and international) that is attributable to sales of each category of goods.

Source:

Statistics Canada, Environment Accounts and Statistics Division.

Table A.17.2
Revenues from exports¹ of environmental goods², by type of environmental good and by province or territory, 2002 (revised)

Province/Territory	Water supply, treatment and conservation	Air pollution control	Waste management and remediation	Technologies for energy conservation and efficiency	Technologies and facilities for renewable energy production and alternative fuel production	Analytical equipment	Noise/vibration abatement and other	Total revenues
Newfoundland and Labrador	0.0	0.0	x	0.0	0.0	x	0.0	x
Prince Edward Island	0.0	0.0	0.0	0.0	x	0.0	x	x
Nova Scotia	x	x	0.8	0.0	x	10.5	0.4	18.4
New Brunswick	x	0.0	x	x	x	x	x	x
Quebec	x	22.7	76.9	x	x	x	x	x
Ontario	216.5	124.2	110.2	12.8	52.6	40.1	38.7	595.2
Manitoba	x	x	x	0.0	x	x	x	x
Saskatchewan	x	0.0	x	0.0	x	x	x	x
Alberta	7.8	x	x	x	x	x	x	118.2
British Columbia	18.9	x	2.4	x	42.0	x	4.5	126.0
Yukon Territory, Northwest Territories and Nunavut	0.0	0.0	0.0	0.0	x	0.0	0.0	x
Canada	315.9	192.1	287.7	17.0	122.8	76.7	53.0	1,065.2

Notes:

Figures may not add up to totals due to rounding.

- Export revenues are not available for establishments in the industry group "Recyclable Material Wholesaler-Distributors" (NAICS 4181), most establishments involved in waste management (NAICS 5621 and 5622) and environmental engineering construction (for example, water or sewage treatment plants, waste disposal installations).
- Export revenues for each category of good are derived based on the proportion of total revenues (domestic and international) that is attributable to sales of each category of goods.

Source:

Statistics Canada, Environment Accounts and Statistics Division.

Table A.18.1
Revenues from exports¹ of environmental services², by type of environmental service and by province or territory, 2004

Province/Territory	Water supply, treatment and conservation	Air pollution control	Waste management and remediation	Research and development	Renewable energy and conservation	Consulting engineering and analytical services	Management consulting and legal services, environmental management systems	Environmental education training and information	Noise/vibration abatement and other	Total revenues
millions of dollars										
Newfoundland and Labrador	x	x	x	x	x	x	x	x	x	x
Prince Edward Island	x	x	x	x	x	x	x	x	x	x
Nova Scotia	x	x	x	x	x	x	x	x	x	2.0
New Brunswick	x	x	x	x	x	x	0.2	x	x	x
Quebec	x	x	30.0	x	x	8.9	x	x	x	47.0
Ontario	22.1	x	33.3	x	x	22.8	6.6	x	x	133.5
Manitoba	0.0	x	0.0	x	x	0.1	x	x	x	0.6
Saskatchewan	0.1	x	0.8	0.0	x	0.3	0.2	x	x	x
Alberta	2.7	x	x	0.2	x	8.7	1.4	x	x	x
British Columbia	2.9	x	x	x	x	x	6.8	x	x	x
Yukon Territory, Northwest Territories and Nunavut	x	x	x	x	x	x	x	x	x	x
Canada	37.1	10.1	74.8	30.6	12.5	63.5	17.4	1.7	8.7	256.4

Notes:

Figures may not add up to totals due to rounding.

- Exports revenues are not available for establishments in the industry group "Recyclable Material Wholesaler-Distributors" (NAICS 4181), most establishments involved in waste management (NAICS 5621 and 5622) and environmental engineering construction (for example, water or sewage treatment plants, waste disposal installations).
- Export revenues for each category of service are derived based on the proportion of total revenues (domestic and international) that is attributable to sales of each category of services.

Source:

Statistics Canada, Environment Accounts and Statistics Division.

Table A.18.2
Revenues from exports¹ of environmental services², by type of environmental service and by province or territory, 2002 (revised)

Province/Territory	Water supply, treatment and conservation	Air pollution control	Waste management and remediation	Research and development	Renewable energy and conservation	Consulting engineering and analytical services	Management consulting and legal services, environmental management systems	Environmental education training and information	Noise/vibration abatement and other	Total revenues
millions of dollars										
Newfoundland and Labrador	x	x	x	x	x	x	x	x	x	x
Prince Edward Island	x	x	x	x	x	x	x	x	x	x
Nova Scotia	0.2	0.0	1.2	x	x	x	0.8	x	x	9.7
New Brunswick	x	0.1	x	x	0.1	x	0.7	x	x	x
Quebec	x	0.4	80.4	0.1	x	x	x	x	0.4	89.3
Ontario	12.3	x	x	8.6	14.6	51.4	11.0	1.1	x	126.5
Manitoba	x	x	0.0	x	0.0	x	x	x	x	x
Saskatchewan	x	x	x	0.0	0.0	x	x	x	x	x
Alberta	x	0.3	12.6	0.1	x	1.9	2.5	x	x	21.5
British Columbia	1.5	x	1.9	x	x	32.1	x	x	1.8	x
Yukon Territory, Northwest Territories and Nunavut	x	x	x	x	x	x	x	x	x	x
Canada	24.2	8.4	116.4	13.2	18.7	92.5	19.6	2.2	11.8	307.0

Notes:

Figures may not add up to totals due to rounding.

- Export revenues are not available for establishments in the industry group "Recyclable Material Wholesaler-Distributors" (NAICS 4181), most establishments involved in waste management (NAICS 5621 and 5622) and environmental engineering construction (for example, water or sewage treatment plants, waste disposal installations).
- Export revenues for each category of service are derived based on the proportion of total revenues (domestic and international) that is attributable to sales of each category of services.

Source:

Statistics Canada, Environment Accounts and Statistics Division.

Table A.19.1
Employment in environmental establishments¹, by industry, 2004

Industry groups which include environmental establishments	Environmental employees ² as a	Question response
	percentage of total employees	rate ³
	percent	
Agriculture, forestry, fishing and hunting	42	56
Mining and oil and gas extraction	42	56
Utilities	5	67
Construction ⁴	22	66
Chemical manufacturing	22	68
Plastic and rubber products manufacturing	44	73
Non-metallic mineral product manufacturing	24	50
Primary metal manufacturing	31	57
Fabricated metal product manufacturing	26	69
Machinery manufacturing	41	68
Computer and electronic product manufacturing	41	71
Electrical equipment, appliance and component manufacturing	55	79
Other manufacturing	45	68
Wholesale trade ⁴	21	69
Retail trade	52	86
Finance and insurance services	6	55
Legal services	4	65
Architectural and landscape architectural services	24	47
Engineering services	27	72
Surveying and mapping (including geophysical) services	18	55
Testing laboratories	47	74
Computer systems design and related services	10	54
Environmental consulting services	59	74
Management consulting and other scientific and technical consulting services	48	73
Scientific research and development services	70	75
All other professional, scientific and technical services	21	78
Management of companies and enterprises	23	59
Administrative and support services	39	72
Waste management and remediation services ⁴	67	67
Other services	21	71

Notes:

Figures may not add up to totals due to rounding.

1. Environmental establishments are establishments that earned revenues from the sale of environmental goods (including construction) or services. Industry groups are based on the North American Industry Classification System (NAICS). Refer to Text Box 2.1 for a profile of these industry groups.
2. Environmental employees are defined as those involved in the production/provision of environmental goods and services. Environmental employment figures have not been edited and have not been adjusted for non-response.
3. Response rates represent the proportion of in-scope establishments that answered the question on environmental employment.
4. Due to the methodology used to derive estimates, environmental employment figures are not available for environmental engineering construction, waste management services and wholesale trade in recyclable materials.

Source:

Statistics Canada, Environment Accounts and Statistics Division.

Table A.19.2
Employment in environmental establishments¹, by industry, 2002 (revised)

Industry groups which include environmental establishments	Environmental employees ² as a percentage of total employees (revised) ³	Question response rate (revised) ⁴
	percent	
Agriculture, forestry, fishing and hunting	48	62
Mining and oil and gas extraction	26	79
Utilities	8	80
Construction ⁵	19	71
Chemical manufacturing	22	70
Plastic and rubber products manufacturing	23	66
Non-metallic mineral product manufacturing	29	50
Primary metal manufacturing	44	89
Fabricated metal product manufacturing	22	70
Machinery manufacturing	35	71
Computer and electronic product manufacturing	25	64
Electrical equipment, appliance and component manufacturing	21	46
Other manufacturing	40	70
Wholesale trade ⁵	20	69
Retail trade	71	83
Finance and insurance services	6	50
Legal services	3	79
Architectural and landscape architectural services	17	59
Engineering services	30	73
Surveying and mapping (including geophysical) services	21	59
Testing laboratories	50	81
Computer systems design and related services	11	50
Environmental consulting services	64	68
Management consulting and other scientific and technical consulting services	56	79
Scientific research and development services	68	72
All other professional, scientific and technical services	42	68
Management of companies and enterprises	28	67
Administrative and support services	30	75
Waste management and remediation services ⁵	66	64
Other services	35	77

Notes:

Figures may not add up to totals due to rounding.

1. Environmental establishments are establishments that earned revenues from the sale of environmental goods (including construction) or services. Industry groups are based on the North American Industry Classification System (NAICS). Refer to Text Box 2.1 for a profile of these industry groups.
2. Environmental employees are defined as those involved in the production/provision of environmental goods and services. Environmental employment figures have not been edited and have not been adjusted for non-response.
3. In previous years, the figure provided was the average proportion of environmental employees for all reporting environmental establishments per industry group.
4. Response rates represent the proportion of in-scope establishments that answered the question on environmental employment.
5. Due to the methodology used to derive estimates, environmental employment figures are not available for environmental engineering construction, waste management services and wholesale trade in recyclable materials.

Source:

Statistics Canada, Environment Accounts and Statistics Division.

Annex B: Questionnaire



Environment Industry Survey, 2004

Confidential when completed
Collected under authority of *Statistics Act*, Revised Statutes of Canada, 1985, Chapter S19.

Si vous préférez ce questionnaire en français, veuillez cocher

Correct as required

Company name

0001

Establishment name

0002

C/O

0003

Address

0004

City

0005

Province/Territory

Postal code

0006

0007



Please read before completing

PURPOSE OF THE SURVEY

This survey collects data on the revenues of environmental goods and services. These data will be aggregated with information from other sources to produce official estimates of national and provincial economic activity of the environment industry. Information from the survey can be used by businesses for market analysis, by trade associations to study the performance of the Environment Industry, by governments to develop national and regional policies, and by other users involved in research and policymaking. For a definition of the Environment Industry, refer to page 1 of the *Guide on Definitions and Classification Details*.

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

CONFIDENTIALITY

Statistics Canada is prohibited by law from publishing any statistics which would divulge information obtained from this survey that relates to any identifiable respondent, without previously written consent. The data reported will be treated in strict confidence, used for statistical purposes only and published in aggregate form. The confidentiality provisions of the *Statistics Act* are not affected by either the *Access to Information Act* or any other legislation.

AUTHORITY

This survey is conducted under the authority of the *Statistics Act*, Revised Statutes of Canada, 1985, Chapter S19. **COMPLETION OF THIS QUESTIONNAIRE IS A LEGAL REQUIREMENT UNDER 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* or contact:

**Operations and Integration Division
Statistics Canada
Ottawa, Ontario K1A 0T6**

Telephone (toll-free): **1-800-387-0479 (within Canada)**
Fax: **1-800-755-5514 (within Canada)**
Email: **enviro.oid.ind@statcan.ca**

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

IMPORTANT

Please read the General Instructions on page 2 before answering.

Please return this questionnaire within 30 days of receipt.

If you are unable to do so, kindly inform Operations and Integration Division of the expected completion date.

Statistics Canada use only

Rec. Y M D

Ed. Y M D

Kyd. Y M D

Bat. | | |

Coll. | |

FSC | |

General instructions

1. Please complete and return this form in the envelope provided.
2. Please refer to the accompanying **Guide on Definitions and Classification Details** for more information.
3. If this establishment is involved in a combination of environmental activities (*producing environmental goods, providing environmental services or undertaking environment-related construction*), please ensure that the relevant portions of Section B are completed.
4. When precise figures are not available, please provide your best estimates.
5. Please report all dollar amounts in **CANADIAN DOLLARS**.
6. If your response for an item is zero, please write "0" in the corresponding box rather than leaving the cell blank.

SECTION A - Information on this establishment

- A1.** One questionnaire should be completed for each of your company's establishment per province or territory that produces environmental goods or offers environmental services or undertakes environment-related construction projects. You may wish to photocopy this questionnaire or you may call us toll-free at 1-800-387-0479 to request additional questionnaires. Refer to page 1 of the **Guide** for the definition of an establishment.

Province/territory for which this questionnaire applies:

400

- A2.** Did your company operate more than one environmental establishment in this province or in another province or territory in 2004? *Environmental establishments refer to those establishments that produced environmental goods or offered environmental services or environment-related construction.*

⁴⁰¹ Yes No ➤ Go to question A4.

- A3.** In order to update your company profile, please indicate where you operated other environmental establishments in this province or territory or other provinces or territories in Canada in 2004.

Establishment Name	Address	Phone Number	Contact
40101	40102	40103	40104
40105	40106	40107	40108
40109	40110	40111	40112
40113	40114	40115	40116

A4. Reporting year:

1. The report must cover your most recent fiscal year that ended at any time between April 1, 2004 and March 31, 2005.

From:		
Year	Month	Day
405		

To:		
Year	Month	Day
406		

2. Did your company operate this establishment for the full year?

⁴⁰⁹ Yes ➤ Please go to Question B1, Section B - Revenues and classification

No ➤ Please check the appropriate box(es) below

⁴¹¹ Seasonal operation ➤

From:		
Year	Month	Day
412		

To:		
Year	Month	Day
413		
415		
417		
419		
421		
423		

⁴¹⁴ New business (please provide date of start) _____

⁴¹⁶ Change of fiscal year end (please provide the new end date) _____

⁴¹⁸ Change of ownership (please provide the date) _____

⁴²⁰ Ceased operations (please provide the date) _____

⁴²² Temporarily closed (please specify the closing date and reason for closing) _____

⁴²⁴ (Reason for closing)

⁴²⁵ Other (please specify) ➤

⁴²⁶

SECTION B - Revenues and classification

Revenues - If precise figure is not available, your best estimate is acceptable

B1. What were this establishment's total revenues in 2004?

Canadian dollars
(omit cents)

101

B2. Of this establishment's total revenues reported in Box 101, Question B1, please report the revenues generated from this establishment's environment-related activities, including the production, sales or marketing of environmental goods, the provision of environmental services and/or the undertaking of environment-related construction projects.

102

Classification

The purpose of this section is to measure the environmental revenues received by this establishment by types of environmental goods, services and environment-related construction provided. Please classify the environmental revenues reported in Box 102, Question B2 according to the applicable categories of environmental goods, environmental services and environment-related construction. Examples for each category are provided in the **Guide on Definitions and Classification Details** enclosed with this form.

Environmental goods

B3. Did this establishment receive revenues from the production, sales and/or marketing of environmental goods in 2004? Refer to page 1 of the **Guide** for a description of environmental goods.

¹⁰³ Yes ➤ Go to question B4.

No ➤ Go to question B5.

B4. Please report this establishment's 2004 revenues received from the production, sales and/or marketing of environmental goods. If this establishment's environmental goods do not fall in any stated categories, please use the "Other, specify" category. Refer to page 2 of the **Guide** for examples of each category.

Canadian dollars
(omit cents)

1. Air pollution control systems or equipment

105

2. Water supply and conservation systems or equipment

106

3. Wastewater management and sewage treatment systems or equipment

107

4. Hazardous and non-hazardous waste management systems or equipment

108

5. Systems or equipment for remediation/treatment of contaminated soil, surface water, seawater and groundwater

109

6. Noise/Vibration abatement systems or equipment

110

7. Environmental sampling, monitoring, analysis and assessment systems or equipment

111

Systems or equipment for energy conservation and efficiency:

8. Solar energy systems or equipment

113

9. Waste-to-energy conversion systems or equipment

114

10. Wind energy systems or equipment

115

11. Small, mini and micro hydroelectric generation systems or equipment

800

12. Fuel cells (mobile, portable and stationary source)

801

13. Alternative fuel technologies (other than fuel cells)

117

14. Cogeneration

802

15. Equipment for methane capture/fermentation from wastes, landfill sites or agricultural sources

803

16. Clean technologies and related components

118

17. Other renewable energy systems or equipment

116

18. Any other systems or equipment for energy conservation and efficiency

112

19. Other, specify ¹²¹

119

Total environmental goods

120

Environmental services

B5. Did this establishment receive revenues from the provision of environmental services in 2004? Refer to page 1 of the Guide for a description of environmental services.

¹²² Yes ➤ Go to question B6.1. No ➤ Go to question B7.

B6.1 Please report this establishment's 2004 revenues received from the provision of environmental services. If this establishment's environmental services do not fall in any stated category, please use the "Other, specify" category. Refer to page 4 of the Guide for examples of each category.

	Canadian dollars (omit cents)
20. Air pollution control and monitoring services	124
21. Water supply and conservation services	125
22. Wastewater management and sewage treatment services	126
23. Hazardous and non-hazardous waste management services	127
24. Services for remediation/treatment of contaminated soil, surface water, seawater and groundwater	128
25. Noise/Vibration abatement services	129
26. Environmental research and development services	130
27. Energy conservation, energy efficiency and renewable energy services	131
28. Environmental education, training and information dissemination	132
29. Environment-related management consulting and legal services (including environmental impact assessments)	133
30. Environmental Management Systems (EMS)	856
31. Other environment-related consulting engineering, analytical services, laboratory and sample analysis	135
32. Other, <i>specify</i> ¹³⁸	136
Total environmental services	137

B6.2 Did this establishment receive revenues from the provision of environmental services related to the reduction of greenhouse gas emissions in 2004? Please refer to page 1 of the Guide for the definition of technologies and services to reduce greenhouse gas emissions.

⁸⁰⁵ Yes ➤ Go to question B6.3. No ➤ Go to question B7.

B6.3 Please report the percentage of Total environmental services (Box 137, Question B6.1) derived from services related to the reduction of greenhouse gas emissions in 2004.

807 %

B6.4 Please specify the type of services related to the reduction of greenhouse gas emissions.

808

Environment-related construction

B7. Did this establishment receive revenues from environment-related construction projects in 2004? Refer to page 1 of the Guide for a description of environment-related construction projects.

¹³⁹ Yes ➤ Go to question B8. No ➤ Go to question C1, Section C - Client Base.

B8. Please report this establishment's 2004 revenues received from environment-related construction projects. If this establishment's environment-related construction projects do not fall in any stated category, please use the "Other, specify" category. Refer to page 5 of the Guide for examples of each category.

	Canadian dollars (omit cents)
33. Air pollution control	141
34. Water supply and conservation	142
35. Wastewater management and sewage treatment	143
36. Hazardous and non-hazardous waste management	144
37. Remediation/Treatment of contaminated soil, surface water, seawater and groundwater	145
38. Noise/Vibration abatement	146
39. Renewable energy production facilities	857
40. Other, <i>specify</i> ¹⁴⁹	147
Total environment-related construction	148

SECTION C - Client base	SECTION D - Client location																																																																																																																																																																								
<p>C1. Please report this establishment's environmental revenues reported in Box 102, Question B2 according to the type of client to whom the environmental goods and/or services were delivered or for whom the environment-related construction projects were completed.</p>	<p>D1. Please report this establishment's environmental revenues reported in Box 102, Question B2 according to the location of the client to whom the environmental goods or services were delivered or for whom the environment-related construction projects were completed.</p>																																																																																																																																																																								
<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 80%;"></td> <td style="width: 10%; text-align: center; font-size: small;">Canadian dollars (omit cents)</td> <td style="width: 10%;"></td> </tr> <tr> <td style="border-top: 1px solid black;"></td> <td style="border-top: 1px solid black; text-align: center;">150</td> <td style="border-top: 1px solid black;"></td> </tr> <tr> <td style="border-top: 1px solid black;">Local government</td> <td style="border-top: 1px solid black;"></td> <td style="border-top: 1px solid black;"></td> </tr> <tr> <td style="border-top: 1px solid black;"></td> <td style="border-top: 1px solid black; text-align: center;">151</td> <td style="border-top: 1px solid black;"></td> </tr> <tr> <td style="border-top: 1px solid black;">Federal/Provincial/Territorial governments</td> <td style="border-top: 1px solid black;"></td> <td style="border-top: 1px solid black;"></td> </tr> <tr> <td style="border-top: 1px solid black;"></td> <td style="border-top: 1px solid black; text-align: center;">152</td> <td style="border-top: 1px solid black;"></td> </tr> <tr> <td style="border-top: 1px solid black;">Agriculture and agri-food products</td> <td style="border-top: 1px solid black;"></td> <td style="border-top: 1px solid black;"></td> </tr> <tr> <td style="border-top: 1px solid black;"></td> <td style="border-top: 1px solid black; text-align: center;">153</td> <td style="border-top: 1px solid black;"></td> </tr> <tr> <td style="border-top: 1px solid black;">Forestry and pulp and paper</td> <td style="border-top: 1px solid black;"></td> <td style="border-top: 1px solid black;"></td> </tr> <tr> <td style="border-top: 1px solid black;"></td> <td style="border-top: 1px solid black; text-align: center;">154</td> <td style="border-top: 1px solid black;"></td> </tr> <tr> <td style="border-top: 1px solid black;">Fish and fish products <i>(Including aquaculture)</i></td> <td style="border-top: 1px solid black;"></td> <td style="border-top: 1px solid black;"></td> </tr> <tr> <td style="border-top: 1px solid black;"></td> <td style="border-top: 1px solid black; text-align: center;">155</td> <td style="border-top: 1px solid black;"></td> </tr> <tr> <td style="border-top: 1px solid black;">Mining and related products, metal and mineral products</td> <td style="border-top: 1px solid black;"></td> <td style="border-top: 1px solid black;"></td> </tr> <tr> <td style="border-top: 1px solid black;"></td> <td style="border-top: 1px solid black; text-align: center;">156</td> <td style="border-top: 1px solid black;"></td> </tr> <tr> <td style="border-top: 1px solid black;">Crude petroleum and natural gas, refined petroleum and related products</td> <td style="border-top: 1px solid black;"></td> <td style="border-top: 1px solid black;"></td> </tr> <tr> <td style="border-top: 1px solid black;"></td> <td style="border-top: 1px solid black; text-align: center;">157</td> <td style="border-top: 1px solid black;"></td> </tr> <tr> <td style="border-top: 1px solid black;">All other manufacturing</td> <td style="border-top: 1px solid black;"></td> <td style="border-top: 1px solid black;"></td> </tr> <tr> <td style="border-top: 1px solid black;"></td> <td style="border-top: 1px solid black; text-align: center;">158</td> <td style="border-top: 1px solid black;"></td> </tr> <tr> <td style="border-top: 1px solid black;">Business services</td> <td style="border-top: 1px solid black;"></td> <td style="border-top: 1px solid black;"></td> </tr> <tr> <td style="border-top: 1px solid black;"></td> <td style="border-top: 1px solid black; text-align: center;">159</td> <td style="border-top: 1px solid black;"></td> </tr> <tr> <td style="border-top: 1px solid black;">Gas distribution and electric power systems</td> <td style="border-top: 1px solid black;"></td> <td style="border-top: 1px solid black;"></td> </tr> <tr> <td style="border-top: 1px solid black;"></td> <td style="border-top: 1px solid black; text-align: center;">861</td> <td style="border-top: 1px solid black;"></td> </tr> <tr> <td style="border-top: 1px solid black;">Distributors (wholesale/retail)</td> <td style="border-top: 1px solid black;"></td> <td style="border-top: 1px solid black;"></td> </tr> <tr> <td style="border-top: 1px solid black;"></td> <td style="border-top: 1px solid black; text-align: center;">160</td> <td style="border-top: 1px solid black;"></td> </tr> <tr> <td style="border-top: 1px solid black;">Individuals and households</td> <td style="border-top: 1px solid black;"></td> <td style="border-top: 1px solid black;"></td> </tr> <tr> <td style="border-top: 1px solid black;"></td> <td style="border-top: 1px solid black; text-align: center;">161</td> <td style="border-top: 1px solid black;"></td> </tr> <tr> <td style="border-top: 1px solid black;">Other, <i>specify</i> 163</td> <td style="border-top: 1px solid black;"></td> <td style="border-top: 1px solid black;"></td> </tr> <tr> <td style="border-top: 1px solid black;"></td> <td style="border-top: 1px solid black; text-align: center;">162</td> <td style="border-top: 1px solid black;"></td> </tr> <tr> <td style="border-top: 1px solid black;"> <p>Total environmental revenues (must equal the value reported in Box 102, Question B2)</p> </td> <td style="border-top: 1px solid black;"></td> <td style="border-top: 1px solid black;"></td> </tr> </table>		Canadian dollars (omit cents)			150		Local government				151		Federal/Provincial/Territorial governments				152		Agriculture and agri-food products				153		Forestry and pulp and paper				154		Fish and fish products <i>(Including aquaculture)</i>				155		Mining and related products, metal and mineral products				156		Crude petroleum and natural gas, refined petroleum and related products				157		All other manufacturing				158		Business services				159		Gas distribution and electric power systems				861		Distributors (wholesale/retail)				160		Individuals and households				161		Other, <i>specify</i> 163				162		<p>Total environmental revenues (must equal the value reported in Box 102, Question B2)</p>			<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 80%;"></td> <td style="width: 10%; text-align: center; font-size: small;">Canadian dollars (omit cents)</td> <td style="width: 10%;"></td> </tr> <tr> <td style="border-top: 1px solid black;"></td> <td style="border-top: 1px solid black; text-align: center;">164</td> <td style="border-top: 1px solid black;"></td> </tr> <tr> <td style="border-top: 1px solid black;">Newfoundland and Labrador</td> <td style="border-top: 1px solid black;"></td> <td style="border-top: 1px solid black;"></td> </tr> <tr> <td style="border-top: 1px solid black;"></td> <td style="border-top: 1px solid black; text-align: center;">165</td> <td style="border-top: 1px solid black;"></td> </tr> <tr> <td style="border-top: 1px solid black;">Prince Edward Island</td> <td style="border-top: 1px solid black;"></td> <td style="border-top: 1px solid black;"></td> </tr> <tr> <td style="border-top: 1px solid black;"></td> <td style="border-top: 1px solid black; text-align: center;">166</td> <td style="border-top: 1px solid black;"></td> </tr> <tr> <td style="border-top: 1px solid black;">Nova Scotia</td> <td style="border-top: 1px solid black;"></td> <td style="border-top: 1px solid black;"></td> </tr> <tr> <td style="border-top: 1px solid black;"></td> <td style="border-top: 1px solid black; text-align: center;">167</td> <td style="border-top: 1px solid black;"></td> </tr> <tr> <td style="border-top: 1px solid black;">New Brunswick</td> <td style="border-top: 1px solid black;"></td> <td style="border-top: 1px solid black;"></td> </tr> <tr> <td style="border-top: 1px solid black;"></td> <td style="border-top: 1px solid black; text-align: center;">168</td> <td style="border-top: 1px solid black;"></td> </tr> <tr> <td style="border-top: 1px solid black;">Quebec</td> <td style="border-top: 1px solid black;"></td> <td style="border-top: 1px solid black;"></td> </tr> <tr> <td style="border-top: 1px solid black;"></td> <td style="border-top: 1px solid black; text-align: center;">169</td> <td style="border-top: 1px solid black;"></td> </tr> <tr> <td style="border-top: 1px solid black;">Ontario</td> <td style="border-top: 1px solid black;"></td> <td style="border-top: 1px solid black;"></td> </tr> <tr> <td style="border-top: 1px solid black;"></td> <td style="border-top: 1px solid black; text-align: center;">170</td> <td style="border-top: 1px solid black;"></td> </tr> <tr> <td style="border-top: 1px solid black;">Manitoba</td> <td style="border-top: 1px solid black;"></td> <td style="border-top: 1px solid black;"></td> </tr> <tr> <td style="border-top: 1px solid black;"></td> <td style="border-top: 1px solid black; text-align: center;">171</td> <td style="border-top: 1px solid black;"></td> </tr> <tr> <td style="border-top: 1px solid black;">Saskatchewan</td> <td style="border-top: 1px solid black;"></td> <td style="border-top: 1px solid black;"></td> </tr> <tr> <td style="border-top: 1px solid black;"></td> <td style="border-top: 1px solid black; text-align: center;">172</td> <td style="border-top: 1px solid black;"></td> </tr> <tr> <td style="border-top: 1px solid black;">Alberta</td> <td style="border-top: 1px solid black;"></td> <td style="border-top: 1px solid black;"></td> </tr> <tr> <td style="border-top: 1px solid black;"></td> <td style="border-top: 1px solid black; text-align: center;">173</td> <td style="border-top: 1px solid black;"></td> </tr> <tr> <td style="border-top: 1px solid black;">British Columbia</td> <td style="border-top: 1px solid black;"></td> <td style="border-top: 1px solid black;"></td> </tr> <tr> <td style="border-top: 1px solid black;"></td> <td style="border-top: 1px solid black; text-align: center;">174</td> <td style="border-top: 1px solid black;"></td> </tr> <tr> <td style="border-top: 1px solid black;">Yukon Territory, Northwest Territories, and Nunavut</td> <td style="border-top: 1px solid black;"></td> <td style="border-top: 1px solid black;"></td> </tr> <tr> <td style="border-top: 1px solid black;"></td> <td style="border-top: 1px solid black; text-align: center;">175</td> <td style="border-top: 1px solid black;"></td> </tr> <tr> <td style="border-top: 1px solid black;">Outside Canada (exports)</td> <td style="border-top: 1px solid black;"></td> <td style="border-top: 1px solid black;"></td> </tr> <tr> <td style="border-top: 1px solid black;"></td> <td style="border-top: 1px solid black; text-align: center;">176</td> <td style="border-top: 1px solid black;"></td> </tr> <tr> <td style="border-top: 1px solid black;"> <p>Total environmental revenues (must equal the value reported in Box 102, Question B2)</p> </td> <td style="border-top: 1px solid black;"></td> <td style="border-top: 1px solid black;"></td> </tr> </table> <p style="margin-top: 10px;">Did you report revenues in Box 175, Question D1?</p> <p>860 <input type="radio"/> Yes ➤ Go to question E1.</p> <p><input type="radio"/> No ➤ Go to question F1.</p>		Canadian dollars (omit cents)			164		Newfoundland and Labrador				165		Prince Edward Island				166		Nova Scotia				167		New Brunswick				168		Quebec				169		Ontario				170		Manitoba				171		Saskatchewan				172		Alberta				173		British Columbia				174		Yukon Territory, Northwest Territories, and Nunavut				175		Outside Canada (exports)				176		<p>Total environmental revenues (must equal the value reported in Box 102, Question B2)</p>		
	Canadian dollars (omit cents)																																																																																																																																																																								
	150																																																																																																																																																																								
Local government																																																																																																																																																																									
	151																																																																																																																																																																								
Federal/Provincial/Territorial governments																																																																																																																																																																									
	152																																																																																																																																																																								
Agriculture and agri-food products																																																																																																																																																																									
	153																																																																																																																																																																								
Forestry and pulp and paper																																																																																																																																																																									
	154																																																																																																																																																																								
Fish and fish products <i>(Including aquaculture)</i>																																																																																																																																																																									
	155																																																																																																																																																																								
Mining and related products, metal and mineral products																																																																																																																																																																									
	156																																																																																																																																																																								
Crude petroleum and natural gas, refined petroleum and related products																																																																																																																																																																									
	157																																																																																																																																																																								
All other manufacturing																																																																																																																																																																									
	158																																																																																																																																																																								
Business services																																																																																																																																																																									
	159																																																																																																																																																																								
Gas distribution and electric power systems																																																																																																																																																																									
	861																																																																																																																																																																								
Distributors (wholesale/retail)																																																																																																																																																																									
	160																																																																																																																																																																								
Individuals and households																																																																																																																																																																									
	161																																																																																																																																																																								
Other, <i>specify</i> 163																																																																																																																																																																									
	162																																																																																																																																																																								
<p>Total environmental revenues (must equal the value reported in Box 102, Question B2)</p>																																																																																																																																																																									
	Canadian dollars (omit cents)																																																																																																																																																																								
	164																																																																																																																																																																								
Newfoundland and Labrador																																																																																																																																																																									
	165																																																																																																																																																																								
Prince Edward Island																																																																																																																																																																									
	166																																																																																																																																																																								
Nova Scotia																																																																																																																																																																									
	167																																																																																																																																																																								
New Brunswick																																																																																																																																																																									
	168																																																																																																																																																																								
Quebec																																																																																																																																																																									
	169																																																																																																																																																																								
Ontario																																																																																																																																																																									
	170																																																																																																																																																																								
Manitoba																																																																																																																																																																									
	171																																																																																																																																																																								
Saskatchewan																																																																																																																																																																									
	172																																																																																																																																																																								
Alberta																																																																																																																																																																									
	173																																																																																																																																																																								
British Columbia																																																																																																																																																																									
	174																																																																																																																																																																								
Yukon Territory, Northwest Territories, and Nunavut																																																																																																																																																																									
	175																																																																																																																																																																								
Outside Canada (exports)																																																																																																																																																																									
	176																																																																																																																																																																								
<p>Total environmental revenues (must equal the value reported in Box 102, Question B2)</p>																																																																																																																																																																									

SECTION E - Environmental export revenues

E1. Please report a breakdown, by region, of this establishment's 2004 environmental revenues from OUTSIDE CANADA (exports) reported in Box 175, Question D1.

	Canadian dollars (omit cents)
United States	177
Mexico	178
Other Central America	179
South America	180
Europe	181
Middle East	182
Africa	183
China	184
Japan	185
Other Asia	186
Australia	187
Other foreign (specify) <input type="text" value="190"/>	188
Total environmental exports	189

E2. Did the amount reported in Box 189, Question E1, include any revenues from the export of environmental goods and/or environmental services and/or environment-related construction projects related to the reduction of greenhouse gas emissions in 2004? Please refer to page 1 of the Guide for the definition of technologies and services to reduce greenhouse gas emissions.

809 Yes ➤ Go to question E3. No ➤ Go to question F1.

E3. Please report the percentage of total environmental exports (Box 189, Question E1) derived from the export of goods and/or services related to the reduction of greenhouse gas emissions.

%

E4. Please report the type of technologies and/or services related to the reduction of greenhouse gas emissions exported by this establishment in 2004.

Please check all that apply.

- 813 Solar energy systems or equipment
- 814 Waste-to-energy conversion systems or equipment
- 815 Wind energy systems or equipment
- 816 Small, mini and micro hydroelectric generation systems or equipment
- 817 Alternative fuel technologies (other than fuel cells)
- 818 Other renewable energy systems or equipment
- 819 Fuel cells (mobile, portable and stationary source)
- 820 Cogeneration
- 821 Equipment for methane capture/fermentation from wastes, landfill sites or agricultural sources
- 822 Clean technologies and related components
- 812 Any other systems or equipment for energy conservation and efficiency
- 823 Energy conservation and energy efficiency services
- 824 Renewable energy services
- 825 Other goods or services related to the reduction of greenhouse gas emissions

SECTION F - Research and Development (R&D) on goods/services related to the reduction of greenhouse gas emissions

F1. During the past three years, 2002 to 2004, did this establishment undertake any research and development (R&D) activity aimed at developing goods and services related to the reduction of greenhouse gas emissions? Please refer to page 6 of the **Guide** for the definition of research and development (R&D) on goods and services that reduce greenhouse gas emissions.

⁸²⁶ Yes ➤ Go to question F2.

No ➤ Go to question G1.

Type of R&D Activities

	Yes	No
F2. Was R&D on goods/services related to the reduction of greenhouse gas emissions carried out in-house?	⁸²⁷ <input type="radio"/>	<input type="radio"/>
F3. Was R&D on goods/services related to the reduction of greenhouse gas emissions contracted out to other firms?	⁸²⁹ <input type="radio"/>	<input type="radio"/>
F4. Was R&D on goods/services related to the reduction of greenhouse gas emissions carried out jointly with another firm?	⁸³¹ <input type="radio"/>	<input type="radio"/>

Sources of R&D Funding

F5. Please report the sources of funding for this establishment's R&D activities on goods/services related to the reduction of greenhouse gas emissions.

Please check all that apply.

⁸³³ Parent, affiliated or subsidiary firms

⁸³⁴ Canadian federal government (grants or tax credits)

⁸³⁵ Provincial/Territorial government

⁸³⁶ R&D contract work conducted for other firms

⁸³⁷ Universities

⁸³⁸ Other, specify ⁸³⁹

SECTION G - Innovation on goods/services related to the reduction of greenhouse gas emissions

Please refer to page 6 of the **Guide** for the definition of innovation on goods/services related to the reduction of greenhouse gas emissions.

	Yes	No
G1. During the last three years, 2002 to 2004, did this establishment produce or market new or significantly improved goods/services related to the reduction of greenhouse gas emissions?	⁸⁴⁰ <input type="radio"/>	<input type="radio"/>
G2. During the last three years, 2002 to 2004, did this establishment adopt new or significantly improved technologies or processes that reduced greenhouse gas emissions?	⁸⁴² <input type="radio"/>	<input type="radio"/>
G3. During the last three years, 2002 to 2004, did this establishment have any unsuccessful or not yet completed projects to develop or introduce new or significantly improved goods and/or services related to the reduction of greenhouse gas emissions?	⁸⁴⁴ <input type="radio"/>	<input type="radio"/>

Section H - Problems and obstacles in the development of goods /services related to the reduction of greenhouse gas emissions

H1. Did this establishment experience any problem or obstacle in its effort to develop, market or deploy environmental goods and/or services related to the reduction of greenhouse gas emissions?

- 863 Yes ➤ Go to question H2. No ➤ Go to question I1. Not applicable to business activities of this establishment ➤ Go to question I1.

H2. Which of the following, if any, were obstacles to the provision of goods or services related to the reduction of greenhouse gas emissions? Go to Section I if your company did not experience problems or obstacles in the provision of goods/services related to the reduction of greenhouse gas emissions. Please refer to page 1 of the Guide for the definition of technologies and services to reduce greenhouse gas emissions.

Please check all that apply.

- 846 Lack of skilled personnel
 847 High cost
 848 Lack of financing
 849 Lack of market demand
 850 Lack of marketing capability (including trade barriers)
 851 Government regulations
 852 Government policies
 853 Other, specify

SECTION I - Environmental employment

I1. Please report the total number of persons usually employed by this establishment during the reporting period.

Full-time employees - regular employees who worked 30 or more hours per week

193

Part-time employees - those employees who worked less than 30 hours per week

194

Total employment (do not include contract employees or sub-contractor's employees)

196

I2. Of the total employment reported in Box 196, Question I1, please estimate the proportion of your employees who were involved in the production/provision of environmental goods and services, or environmental-related construction services. Your best estimate is acceptable.

Percentage of total employees involved in environment-related projects (not time spent)

207

%

SECTION J - Certification and comments

Certification

J1. I certify that to the best of my knowledge, the information provided in this questionnaire is correct and complete

Signature



Date

0015

Year

Month

Day

Name of person completing this questionnaire

0013

Telephone

0017

0027 Ext.

Title

0014

Fax

0016

Website address

0020

Email address

0018

J2. Approximately how long did it take to collect the data and complete this survey?

427

hours

J3. In the future, would you prefer to receive this survey in electronic format?

862

Yes

No



Guide on Definitions and Classification Details



Definitions

What is the Environment industry?

The Environment industry consists of various types of industries that provide environmental goods and/or services. For the purpose of this survey, all companies operating in Canada that are involved in whole or in part in the production of environmental goods, the provision of environmental services and the undertaking of environmental related construction make up the "Environment Industry".

Establishment

An establishment is defined as the most homogeneous unit of production for which a business maintains accounting records. From these accounting records, it is possible to assemble all the data elements required to compile the total sales or shipments, inventories, cost of materials and services, labour and capital used in production.

Environment-related revenues from goods

Environment-related revenues from goods are revenues derived from the sale of equipment or specific materials used in whole or in part for environmental protection.

Environment-related revenues from services

Environment-related revenues from services are revenues derived from environmentally related activities that design, operate or manage systems and/or provide other services.

Environment-related revenues from construction projects

Environment-related revenues from construction, repairing, renovating buildings, engineering works, systems or facilities.

FOR EXAMPLE, the sale of clarifiers and filters for wastewater treatment is revenue derived from goods. The operation and maintenance of a water treatment facility is revenue derived from services. The building of a sewage treatment plant is revenue derived from construction activities.

Technologies and services to reduce greenhouse gas emissions

Equipment, processes or services that reduce or prevent the release of greenhouse gases in the earth's atmosphere. Examples of greenhouse gases are carbon dioxide, methane, nitrous oxide and chlorofluorocarbons.



Section B. Revenues and classification

Examples are listed for each category of environmental goods, environmental services and environment-related construction found in Section B.

B4.) Environmental goods

1. **Air pollution control systems or equipment** – catalytic converters, emission recovery systems, air filtration equipment and scrubbers, chemical recovery systems, dust collectors, separators, precipitators and odour control equipment.
2. **Water supply and conservation systems or equipment** – equipment or technology used for fresh water supply and delivery, water purification equipment, water handling equipment parts (pumps, pipes and valves).
3. **Wastewater management and sewage treatment systems or equipment** – chemical recovery systems, aeration systems, biological recovery systems, gravity sediment systems, oil/water separation systems, waste and gray water treatment, wastewater reuse equipment, wastewater treatment chemicals, water pollution control equipment, screens, strainers, clarifiers, filters, filter media and storage and transport containers.
4. **Hazardous and non-hazardous waste management systems or equipment** – hazardous waste storage/treatment equipment, waste collection equipment, waste disposal machinery and equipment, waste handling equipment, waste separation equipment, recycling equipment, incineration equipment and storage and transport containers.
5. **Systems or equipment for remediation/treatment of contaminated soil, surface water, seawater and groundwater** – absorbents, bioremediation equipment, soil vapour extraction equipment, spill treatment and containment equipment, containment systems, chemicals and bioremediators.
6. **Noise/Vibration abatement systems or equipment** – mufflers/silencers, noise deadening equipment, noise and vibration control systems and highway barriers.
7. **Environmental sampling, monitoring, analysis and assessment systems or equipment** – measuring and monitoring equipment, sampling systems, data acquisition equipment, air/water/soil and environmental sampling tools and instruments, environment information systems and analytical software such as laboratory, remote sensing and GIS management software.
8. **Solar energy systems or equipment** – active and passive solar systems, photovoltaics, solar-thermal generators, solar water and space heating systems.
9. **Waste-to-energy conversion systems or equipment** – combustion, gasification, pyrolysis, systems and equipment (turbines, boilers, process equipment) that use organic matter such as forest and agricultural residues to produce electricity or heat.

10. **Wind energy systems or equipment** – horizontal or vertical axis turbines, and other types of windmills used to generate energy or electricity.
11. **Small, mini and micro hydroelectric generation systems or equipment** – micro-hydro (less than 100 kW), mini-hydro (100 kW to 1000 kW) and small hydro (1 MW to 25 MW).
12. **Fuel cells (mobile, portable and stationary source)** – Alkaline (AFC) Phosphoric Acid (PAFC), Proton Exchange Membrane (PEMFC) or polymeric electrolyte (PEFC), Molten Carbonate (MCFC) and Solid Oxide (SOFC) or any fuel cell technology that generates, produces, stores or distributes hydrogen used in transportation systems or as a stationary source.
13. **Alternative fuel technologies (other than fuel cells)** – process equipment for the production of biofuels (ethanol, biodiesel), clean fuel systems (reformulated fuels and oxygenated fuels), advanced batteries; also included are industrial equipment and engine systems that use alternative fuels.
14. **Cogeneration** – also known as combined heat and power (CHP) systems and equipment for simultaneous production of heat and power from a primary fuel source such as steam or gas turbines, reciprocating or sterling engines or other cogeneration systems, also systems and equipment (turbines, boilers, process equipment) used to produce heat and electricity from biomass (organic matter from forest and agriculture sources), waste and industrial residues, and other fuel sources.
15. **Equipment for methane capture/fermentation from wastes, landfill sites or agricultural sources** – landfill gas collection systems, methane gas recovery equipment (vertical recovery wells, horizontal trenches, collection header systems, motor/blower vacuum units), flaring equipment (open flare combustors, enclosed combustors), methane utilization equipment (electric power generation or gas delivery systems), other methane capture, conversion, treatment, storage or use equipment.
16. **Clean technologies and related components** – integrated process technology, materials recovery technology.
17. **Other renewable energy systems or equipment** – wave, tidal, and ocean thermal energy conversion systems, geothermal electricity or heating.
18. **Any other systems or equipment for energy conservation and efficiency** – any other system or equipment not listed in the preceding categories. For example, components, energy management equipment, energy recovery equipment, energy conservation equipment, more efficient process equipment (energy efficient boilers, turbines or furnaces) and process control equipment.
19. **Other, specify** – please specify your goods if they are not listed in the preceding categories.

B6. 1) Environmental services

20. **Air pollution control and monitoring services** – emissions monitoring, assessment/evaluation and planning, related consulting engineering and analytical services.
21. **Water supply and conservation services** – services related to water purification, water delivery and water handling systems, including operation and maintenance of related facilities, repair, and related consulting engineering and analytical services.
22. **Wastewater management and sewage treatment services** – operation and maintenance of water treatment facilities, storm water management, wastewater and sewage/septic systems, planning and design management, and related consulting engineering and analytical services.
23. **Hazardous and non-hazardous waste management services** – waste handling, collection, transport, and disposal, operation of sites, ownership or management of sites, recycling (sorting, baling, cleaning), operation of materials recovery facilities, hazardous waste management services, including related consulting engineering and analytical services.
24. **Services for remediation/treatment of contaminated soil, surface water, seawater and groundwater** – cleaning of facilities and tanks, emergency response and spills clean-up systems, site reclamation and remedial action services, maintenance and repair of remediation or treatment systems, including related consulting engineering and analytical services.
25. **Noise/Vibration abatement services** – design and management services for acoustic and soundproof screens and street covering and related consulting engineering and analytical services.
26. **Environmental research and development services** – development, evaluation and implementation of clean process technologies and/or end-of-pipe pollution abatement and control technologies, including related consulting engineering and analytical services, and related research to improve knowledge on ecosystems and the impact of human activities on the environment.
27. **Energy conservation, energy efficiency and renewable energy services** – installation, maintenance, repair and related consulting and analytical services for alternative energy systems or renewable energy production (solar, biomass, wind, other), energy audit, energy resource management related consulting engineering and analytical services.
28. **Environmental education, training and information dissemination** – environmental education, training, and information management for the general public and specific environmental workplace education, environmental information searching services, environmental emergency response training, energy conservation and resource management training, and specific environmental workshop education.

29. **Environment-related management consulting and legal services (including environmental impact assessments)** – general environmental impact assessment, resource management planning, environmental risk management, environmental law and legal services, other environment-related general consulting and legal services not listed in any other categories.
30. **Environmental management systems (EMS)** – development, evaluation or implementation of environmental management systems, ISO-related certifications/support services, including related consulting engineering and analytical services.
31. **Other environment-related consulting engineering, analytical services, laboratory and sample analysis** – other environmental advisory or design services including environmental consulting engineering not listed in the preceding categories.
32. **Other, specify** – please specify your environmental services if they are not listed in the preceding categories.

B8.) Environment-related construction projects

33. **Air pollution control** – assembly, installation, or building of systems or facilities, in whole or in part, related to flue stacks, filtration and ventilation systems.
34. **Water supply and conservation** – assembly, installation, or building of systems or facilities, in whole or in part, related to dams, pipelines, reservoirs and aqueducts.
35. **Wastewater management and sewage treatment** – assembly, installation, or building of systems or facilities, in whole or in part, related to pipelines, reservoirs, sewer systems and treatment plants.
36. **Hazardous and non-hazardous waste management** – assembly, installation, or building of systems or facilities, in whole or in part, related to waste containers, reservoirs, waste sites and grounds and incineration facilities.
37. **Remediation/Treatment of contaminated soil, surface water, seawater and groundwater** – assembly, installation, or building of systems or facilities, in whole or in part, related to emergency response and spills, clean-up, site reclamation and remedial action.
38. **Noise/Vibration abatement** – assembly, installation, or building of systems or facilities, in whole or in part, related to acoustic and soundproof screens and street covering.

39. **Renewable energy production facilities** – assembly, installation, or building of systems or facilities, in whole or in part related to solar energy, waste-to-energy conversion, wind energy, small, mini and micro hydro-electric generation, cogeneration, methane capture/fermentation from wastes, landfill sites or agricultural sources and other renewable energy technologies.
40. **Other, *specify*** – assembly, installation, or building of systems or facilities, in whole or in part, related to environment-related construction activities not mentioned above, please specify.

Section F. Research and Development (R&D) on goods/services related to the reduction of greenhouse gas emissions

The systematic and creative activity concerned with the generation, advancement, dissemination and application of scientific and technological knowledge to reduce or eliminate greenhouse gases.

Section G. Innovation on goods/services related to the reduction of greenhouse gas emissions

Innovation refers to the establishment's activities during the last three years, 2002 to 2004, pertaining to new or significantly improved goods or services.

New goods or services are new to the establishment, with characteristics or intended uses that differ significantly from those goods or services previously used by the establishment.

Significantly-improved goods or services are existing goods or services with significantly enhanced or upgraded performance.

Innovation activities exclude maintenance, repairs and replacement in kind.