

2015 Annual Survey of Research and Development in Canadian Industry

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Selon nos dossiers votre langue de préférence est l'anglais, si vous préférez recevoir ce document en français, veuillez nous appeler au numéro sans frais suivant : 1-800-972-9692.

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

Legal name
Operating name
First name
Last name
Title
Address (number and street)
City
Province, territory or state
Postal code or ZIP code
Country

Business or organization and contact information

Email address
Telephone number (including area code)
Extension number
Preferred language of communication
 English French
Fax number (including area code)

This information is collected under the authority of the *Statistics Act*, Revised Statutes of Canada, 1985, Chapter S-19. COMPLETION OF THIS QUESTIONNAIRE IS A LEGAL REQUIREMENT UNDER THIS ACT.

Introduction

Survey purpose

This survey collects information on scientific activities of Canadian businesses. The research and development expenditures and personnel information is used by federal, provincial and territorial governments and agencies, academics, trade associations and international organizations for statistical analyses and policy purposes. These data also contribute to national totals of research and development activities. The payments and receipts information is used by these agencies to monitor knowledge flows across international borders and between Canadian businesses.

Your information may also be used by Statistics Canada for other statistical and research purposes.

Security of emails and faxes

Statistics Canada advises you that there could be a risk of disclosure during facsimile or email. However upon receipt, Statistics Canada

will provide the guaranteed level of protection afforded all information collected under the authority of the *Statistics Act*.

Note: Our online questionnaires are secure, there is no risk of data interception when responding to Statistics Canada online surveys.

Confidentiality

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

Data-sharing agreements

To reduce respondent burden, Statistics Canada has entered into data-sharing agreements with provincial and territorial statistical agencies and other government organizations, which have agreed to keep the data confidential and use them only for statistical purposes.

Information on confidentiality, data-sharing agreements and record linkages can be found on the last page of this questionnaire.

Please return the questionnaire within 21 days.

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

If you are unable to complete within 21 days **OR** if you need help, call us at **1-800-972-9692**.

Statistics Canada
Operations and Integration Division
150 Tunney's Pasture Driveway
Ottawa, Ontario K1A 0T6
Visit our website, www.statcan.gc.ca

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Business status

1. Is this business or organization currently in operation?

B00309

- Yes ► **Go to next section**
- No, seasonal operations ► **Go to question 2**
- No, ceased all operations ► **Go to question 4**
- No, sold all operations ► **Go to question 6**
- No, amalgamated with (an) other business(es) ► **Go to question 8**
- No, temporarily inactive but will re-open ► **Go to question 11**
- No, no longer operating due to other reason(s) ► **Go to question 14**

2. When did this business or organization close for the season?

YYYY MM DD

B00217

Date

--	--	--	--	--	--	--	--	--	--

3. When does this business or organization expect to resume operations?

YYYY MM DD

B00218

Date

--	--	--	--	--	--	--	--	--	--

► **Go to next section**

4. When did this business or organization cease all operations?

YYYY MM DD

B00211

Date

--	--	--	--	--	--	--	--	--	--

5. Why did this business or organization cease all operations?

B00311

- Bankruptcy
- Liquidation
- Dissolution
- Other reason — please specify:

B00312

--

► **Go to next section**

6. When was this business or organization sold?

YYYY MM DD

B00212

Date

--	--	--	--	--	--	--	--	--	--

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7. What is the legal name of the buyer?

B00406

▶ Go to next section

8. When did this business or organization amalgamate?

YYYY MM DD

B00213

Date

9. What is the legal name of the resulting or continuing business or organization?

B00407

10. What is (are) the legal name(s) of the other amalgamated business(es) or organization(s)?

B00408

▶ Go to next section

11. When did this business or organization become temporarily inactive?

YYYY MM DD

B00214

Date

12. When does this business or organization expect to resume operations?

YYYY MM DD

B00215

Date

13. Why is this business or organization temporarily inactive?

B00313

▶ Go to next section

14. When did this business or organization cease operations?

YYYY MM DD

B00216

Date

15. Why did this business or organization cease operations?

B00314

▶ Go to next section

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Reporting instructions

1. Please print in ink.
2. Report all dollar amounts in **thousands of Canadian dollars**.
3. Do not include sales tax.
4. Percentages should be rounded to whole numbers.
5. Do not report dollars in decimals. Round all values to the nearest whole number.
6. Consult the reporting guide at www.statcan.gc.ca/guides-e for further information.
7. When precise figures are not available, please provide your best estimates.
8. If this business **performs** in-house R&D and **outsources** R&D, complete **all** questions.
9. If this business **performs** in-house R&D and **does not outsource** R&D, complete questions 1-5, 7-19.
10. If this business **outsources** R&D and **does not perform** in-house R&D, complete questions 1-3, 5-7, 12, 16-19.
11. If this business **does not perform** in-house R&D and **does not outsource** R&D, complete questions 1-3, 5, 12, 16-17 and 19.

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Business characteristics

Reporting period

B00206

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

1. What is the end date of this business's fiscal year?

Note: For this survey, **this business's** fiscal year end date should fall **on or before March 31, 2016**.

Here are some examples of fiscal periods that fall within the targeted dates:

May 1, 2014 to **April 30, 2015**

July 1, 2014 to **June 30, 2015**

October 1, 2014 to **September 30, 2015**

January 1, 2015 to **December 31, 2015**

February 1, 2015 to **January 31, 2016**

April 1, 2015 to **March 31, 2016**

*THIS FISCAL YEAR WILL BE REFERRED TO **AS 2015** THROUGHOUT THE QUESTIONNAIRE*

Business status

B00419

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
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2. What is this business's GST number (9-digit business number)?

Before you begin

Differences between Scientific Research and Experimental Development (SR&ED) tax incentive program and this survey

Include the following expenditures in this survey:

- capital R&D expenditures
- R&D expenditures in the social sciences and humanities
- payments for R&D performed by other organizations outside Canada

For this survey

'In-house R&D' refers to

Expenditures within Canada for R&D performed **within this business** by:

- employees (permanent, temporary or casual)
- self-employed individuals or contractors who are **working on-site** on this business's R&D projects

'Outsourced R&D' refers to

Payments made **within or outside Canada** to other companies, organizations or individuals to fund R&D performance:

- contracts
- grants
- fellowships

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In-house research and development (R&D) expenditures

3. In 2015, 2016 or 2017, did this business have or does it plan to have expenditures for **R&D performed in-house** within Canada?

Exclude: payments for outsourced (contracted out or granted) R&D which should be reported in question 6 on Outsourced (contracted out or granted) R&D.

B05138 1 Yes

2 No → Go to question 5

4. In 2015, 2016 and 2017, what were this business's actual or planned expenditures for **R&D performed in-house** within Canada?

Please report all amounts in **thousands of Canadian dollars**.
Report '0' for no **R&D expenditures**.

	Made in 2015	Planned in 2016	Planned in 2017
	CAN\$ '000	CAN\$ '000	CAN\$ '000
Current in-house R&D expenditures within Canada			
a. Wages, salaries of permanent, temporary and casual R&D employees Include: fringe benefits	E45077_sr1 \$ [] ,000		
b. Services to support R&D Include: services of self-employed individuals or contractors who are working on-site on this business's R&D projects. Exclude: contracted out or granted expenditures to other organizations to perform R&D (report in question 6).	E45077_sr2 \$ [] ,000		
c. R&D materials	E45077_sr3 \$ [] ,000		
d. All other current R&D costs Include: overhead costs	E45077_sr4 \$ [] ,000		
Total current in-house R&D expenditures within Canada	E45050 \$ [] ,000	E45079 \$ [] ,000	E45082 \$ [] ,000
Capital in-house R&D expenditures within Canada			
e. Software Exclude: capital depreciation	E45078_sr1 \$ [] ,000		
f. Land Exclude: capital depreciation	E45078_sr2 \$ [] ,000		
g. Buildings and structures Exclude: capital depreciation	E45078_sr3 \$ [] ,000		
h. Equipment, machinery and all other Exclude: capital depreciation	E45078_sr4 \$ [] ,000		
Total capital in-house R&D expenditures within Canada	E45060 \$ [] ,000	E45081 \$ [] ,000	E45083 \$ [] ,000
2015 - Total in-house R&D expenditures within Canada	E45070 \$ [] ,000		

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Outsourced (contracted out or granted) R&D expenditures

5. In 2015, did this business have **outsourced** (contracted out or granted) **R&D expenditures** within Canada or outside Canada?

Include: - contracted out expenditures for R&D
- funding or grants provided to other organizations to perform R&D

Exclude: - services of self-employed individuals or contractors who are working on-site on this business's R&D projects, which should have been reported earlier as part of in-house R&D expenditures in question 4

B05152_tp 1 Yes

2 No → Go to question 7

6. In 2015, what were this business's **outsourced** (contracted out or granted) **R&D expenditures** within Canada or outside Canada?

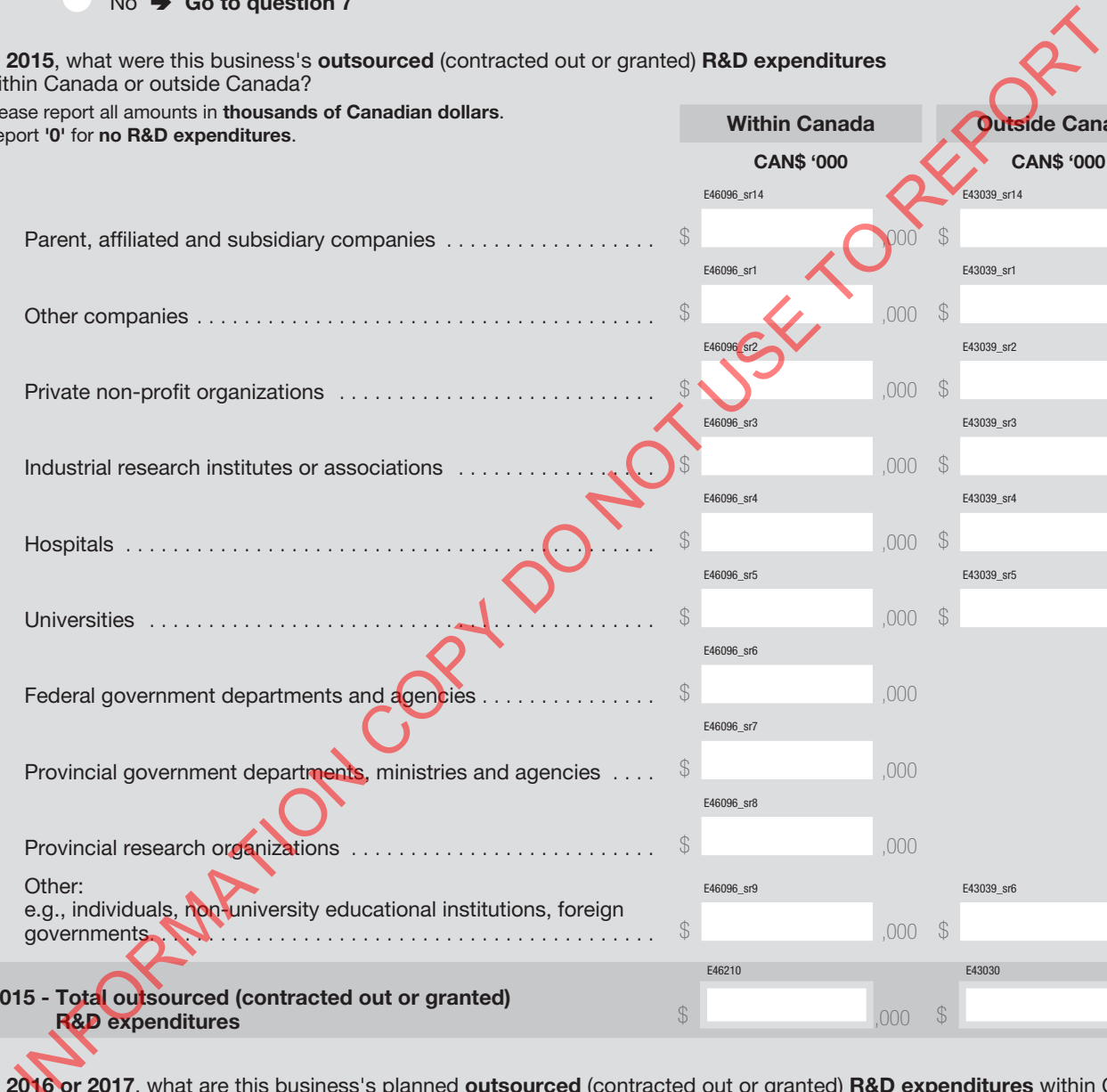
Please report all amounts in **thousands of Canadian dollars**.
Report '0' for **no R&D expenditures**.

	Within Canada	Outside Canada
	CAN\$ '000	CAN\$ '000
a. Parent, affiliated and subsidiary companies	E46096_sr14 \$ [] ,000	E43039_sr14 \$ [] ,000
b. Other companies	E46096_sr1 \$ [] ,000	E43039_sr1 \$ [] ,000
c. Private non-profit organizations	E46096_sr2 \$ [] ,000	E43039_sr2 \$ [] ,000
d. Industrial research institutes or associations	E46096_sr3 \$ [] ,000	E43039_sr3 \$ [] ,000
e. Hospitals	E46096_sr4 \$ [] ,000	E43039_sr4 \$ [] ,000
f. Universities	E46096_sr5 \$ [] ,000	E43039_sr5 \$ [] ,000
g. Federal government departments and agencies	E46096_sr6 \$ [] ,000	
h. Provincial government departments, ministries and agencies	E46096_sr7 \$ [] ,000	
i. Provincial research organizations	E46096_sr8 \$ [] ,000	
j. Other: e.g., individuals, non-university educational institutions, foreign governments	E46096_sr9 \$ [] ,000	E43039_sr6 \$ [] ,000
2015 - Total outsourced (contracted out or granted) R&D expenditures	E46210 \$ [] ,000	E43030 \$ [] ,000

7. In 2016 or 2017, what are this business's planned **outsourced** (contracted out or granted) **R&D expenditures** within Canada or outside Canada?

Report "0" for **no R&D expenditures**.

	Within Canada	Outside Canada
2016 - Total outsourced (contracted out or granted) R&D expenditures	E46097 \$ [] ,000	E43041 \$ [] ,000
2017 - Total outsourced (contracted out or granted) R&D expenditures	E46098 \$ [] ,000	E43042 \$ [] ,000



Geographic distribution of in-house R&D expenditures within Canada in 2015

8. In 2015, how were this business's total expenditures for R&D performed in-house distributed by province or territory?

Exclude: - payments for outsourced (contracted out or granted) R&D which should be reported in question 6 on Outsourced (contracted out or granted) R&D
- capital depreciation

Report all amounts in **thousands of Canadian dollars**.

	Current in-house R&D expenditures	Capital in-house R&D expenditures
	CAN\$ '000	CAN\$ '000
a. Newfoundland and Labrador	E45077_g1 \$ <input type="text"/> ,000	E45078_g1 \$ <input type="text"/> ,000
b. Prince Edward Island	E45077_g2 \$ <input type="text"/> ,000	E45078_g2 \$ <input type="text"/> ,000
c. Nova Scotia	E45077_g3 \$ <input type="text"/> ,000	E45078_g3 \$ <input type="text"/> ,000
d. New Brunswick	E45077_g4 \$ <input type="text"/> ,000	E45078_g4 \$ <input type="text"/> ,000
e. Quebec	E45077_g5 \$ <input type="text"/> ,000	E45078_g5 \$ <input type="text"/> ,000
f. Ontario	E45077_g6 \$ <input type="text"/> ,000	E45078_g6 \$ <input type="text"/> ,000
g. Manitoba	E45077_g7 \$ <input type="text"/> ,000	E45078_g7 \$ <input type="text"/> ,000
h. Saskatchewan	E45077_g8 \$ <input type="text"/> ,000	E45078_g8 \$ <input type="text"/> ,000
i. Alberta	E45077_g9 \$ <input type="text"/> ,000	E45078_g9 \$ <input type="text"/> ,000
j. British Columbia	E45077_g10 \$ <input type="text"/> ,000	E45078_g10 \$ <input type="text"/> ,000
k. Yukon	E45077_g11 \$ <input type="text"/> ,000	E45078_g11 \$ <input type="text"/> ,000
l. Northwest Territories	E45077_g12 \$ <input type="text"/> ,000	E45078_g12 \$ <input type="text"/> ,000
m. Nunavut	E45077_g13 \$ <input type="text"/> ,000	E45078_g13 \$ <input type="text"/> ,000
2015 - Total current and capital in-house R&D expenditures	E45100 \$ <input type="text"/> ,000	E45110 \$ <input type="text"/> ,000

▲
Should equal total current in-house R&D expenditures from question 4

▲
Should equal total capital in-house R&D expenditures from question 4

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Sources of funds for in-house R&D expenditures in 2015

9. In 2015, what were the **sources of funds** for this business's total expenditures for **R&D performed in-house**?

Please report all amounts in **thousands of Canadian dollars**.

Include: Canadian and foreign sources

Exclude: - payments for outsourced (contracted out or granted) R&D which should be reported in question 6 on Outsourced (contracted out or granted) R&D
- capital depreciation

	From within Canada	From outside Canada
	CAN\$ '000	CAN\$ '000
a. Funds from this business		
Include: interest payments and other income, funds or tax credits from tax incentives	E64047 \$ <input type="text"/> ,000	E63037 \$ <input type="text"/> ,000
b. Funds from parent, affiliated and subsidiary companies	E65337 \$ <input type="text"/> ,000	E63044 \$ <input type="text"/> ,000
c. Federal grants		
Include: R&D grants or R&D portion only of other grants	E64048 \$ <input type="text"/> ,000	
d. Federal contracts		
Include: R&D contracts or R&D portion only of other contracts	E65049 \$ <input type="text"/> ,000	

R&D contract work for other companies

	From within Canada	From outside Canada
	CAN\$ '000	CAN\$ '000
e. GST number (9-digit business number (BN) or charitable registration number)		
B71014_nc1 <input type="text"/>	E65048_nc1 \$ <input type="text"/> ,000	E63038_nc1 \$ <input type="text"/> ,000
Legal name B71014_nc2 <input type="text"/>		
f. GST number (9-digit business number (BN) or charitable registration number)		
B71014_nc3 <input type="text"/>	E65048_nc2 \$ <input type="text"/> ,000	E63038_nc2 \$ <input type="text"/> ,000
Legal name B71014_nc4 <input type="text"/>		
g. GST number (9-digit business number (BN) or charitable registration number)		
B71014_nc5 <input type="text"/>	E65048_nc3 \$ <input type="text"/> ,000	E63038_nc3 \$ <input type="text"/> ,000
Legal name B71014_nc6 <input type="text"/>		
h. GST number (9-digit business number (BN) or charitable registration number)		
B71014_nc7 <input type="text"/>	E65048_nc4 \$ <input type="text"/> ,000	E63038_nc4 \$ <input type="text"/> ,000
Legal name B71014_nc8 <input type="text"/>		
i. Other contracts not listed above	E65048_nc5 \$ <input type="text"/> ,000	E63038_nc5 \$ <input type="text"/> ,000

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Geographic distribution of provincial grants or funding and provincial contracts

Include: R&D grants/contracts or R&D portion only of other grants/contracts

	Provincial grants or funding	Provincial contracts
	CAN\$ '000	CAN\$ '000
j. Newfoundland and Labrador	\$ <input type="text" value="E64049_g1"/> ,000	\$ <input type="text" value="E65051_g1"/> ,000
k. Prince Edward Island	\$ <input type="text" value="E64049_g2"/> ,000	\$ <input type="text" value="E65051_g2"/> ,000
l. Nova Scotia	\$ <input type="text" value="E64049_g3"/> ,000	\$ <input type="text" value="E65051_g3"/> ,000
m. New Brunswick	\$ <input type="text" value="E64049_g4"/> ,000	\$ <input type="text" value="E65051_g4"/> ,000
n. Quebec	\$ <input type="text" value="E64049_g5"/> ,000	\$ <input type="text" value="E65051_g5"/> ,000
o. Ontario	\$ <input type="text" value="E64049_g6"/> ,000	\$ <input type="text" value="E65051_g6"/> ,000
p. Manitoba	\$ <input type="text" value="E64049_g7"/> ,000	\$ <input type="text" value="E65051_g7"/> ,000
q. Saskatchewan	\$ <input type="text" value="E64049_g8"/> ,000	\$ <input type="text" value="E65051_g8"/> ,000
r. Alberta	\$ <input type="text" value="E64049_g9"/> ,000	\$ <input type="text" value="E65051_g9"/> ,000
s. British Columbia	\$ <input type="text" value="E64049_g10"/> ,000	\$ <input type="text" value="E65051_g10"/> ,000
t. Yukon	\$ <input type="text" value="E64049_g11"/> ,000	\$ <input type="text" value="E65051_g11"/> ,000
u. Northwest Territories	\$ <input type="text" value="E64049_g12"/> ,000	\$ <input type="text" value="E65051_g12"/> ,000
v. Nunavut	\$ <input type="text" value="E64049_g13"/> ,000	\$ <input type="text" value="E65051_g13"/> ,000

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R&D contract work for private non-profit organizations

	From within Canada	From outside Canada
	CAN\$ '000	CAN\$ '000
aj. GST number (9-digit business number (BN) or charitable registration number) <small>B71013_nc1</small>	<small>E65052_nc1</small>	<small>E63039_nc1</small>
<input type="text"/>	\$ <input type="text"/> ,000	\$ <input type="text"/> ,000
Legal name <small>B71013_nc2</small>	<input type="text"/>	
ak. GST number (9-digit business number (BN) or charitable registration number) <small>B71013_nc3</small>	<small>E65052_nc2</small>	<small>E63039_nc2</small>
<input type="text"/>	\$ <input type="text"/> ,000	\$ <input type="text"/> ,000
Legal name <small>B71013_nc4</small>	<input type="text"/>	
al. GST number (9-digit business number (BN) or charitable registration number) <small>B71013_nc5</small>	<small>E65052_nc3</small>	<small>E63039_nc3</small>
<input type="text"/>	\$ <input type="text"/> ,000	\$ <input type="text"/> ,000
Legal name <small>B71013_nc6</small>	<input type="text"/>	
am. Other sources e.g., Universities, foreign governments, individuals	<small>E64051</small>	<small>E63041</small>
	\$ <input type="text"/> ,000	\$ <input type="text"/> ,000
2015 – Total in-house R&D expenditures by sources of funds by origin (sum of questions a. to am.)	<small>E60310</small>	<small>E60320</small>
	\$ <input type="text"/> ,000	\$ <input type="text"/> ,000
2015 – Total in-house R&D expenditures (Canadian and foreign sources) (should equal total in-house R&D expenditures from question 4)		<small>E60330</small>
		\$ <input type="text"/> ,000

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Fields of research and development for in-house R&D expenditures within Canada in 2015

10. In 2015, how were this business's total expenditures for R&D performed in-house within Canada distributed by fields of research and development?

Exclude: - payments for outsourced (contracted out or granted) R&D which should be reported in question 6 on Outsourced (contracted out or granted) R&D
- capital depreciation

Report all amounts in **thousands of Canadian dollars**.

Report '0' for no R&D expenditures.

Natural and formal sciences

Exclude: computer sciences, information technology and bioinformatics (to be reported at lines s and t)

	CAN\$ '000	
a. Mathematics	\$ <input type="text"/>	,000
b. Physical sciences	\$ <input type="text"/>	,000
c. Chemical sciences	\$ <input type="text"/>	,000
d. Earth and related environmental sciences	\$ <input type="text"/>	,000
e. Biological sciences	\$ <input type="text"/>	,000
f. Other natural sciences	\$ <input type="text"/>	,000
Total natural and formal sciences	\$ <input type="text"/>	,000

Engineering and technology

Exclude: software engineering and technology (to be reported at line r)

	CAN\$ '000	
g. Civil engineering	\$ <input type="text"/>	,000
h. Electrical engineering, electronic engineering and communications technology	\$ <input type="text"/>	,000
i. Mechanical engineering	\$ <input type="text"/>	,000
i. Chemical engineering	\$ <input type="text"/>	,000
k. Materials engineering	\$ <input type="text"/>	,000
l. Medical engineering	\$ <input type="text"/>	,000
m. Environmental engineering	\$ <input type="text"/>	,000
n. Environmental biotechnology	\$ <input type="text"/>	,000
o. Industrial biotechnology	\$ <input type="text"/>	,000
p. Nanotechnology	\$ <input type="text"/>	,000
q. Other engineering and technologies	\$ <input type="text"/>	,000
Total engineering and technology	\$ <input type="text"/>	,000

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Software-related sciences and technology

CAN\$ '000

r. Software engineering and technology	\$	<input type="text"/>	,000
		E45094_y1	
s. Computer sciences	\$	<input type="text"/>	,000
		E45094_y2	
t. Information technology and bioinformatics	\$	<input type="text"/>	,000
		E45094_y3	
Total software-related sciences and technology	\$	<input type="text"/>	,000
		E45087	

Medical and health sciences

u. Basic medicine	\$	<input type="text"/>	,000
		E45084_y1	
v. Clinical medicine	\$	<input type="text"/>	,000
		E45084_y2	
w. Health sciences	\$	<input type="text"/>	,000
		E45084_y3	
x. Medical biotechnology	\$	<input type="text"/>	,000
		E45084_y4	
y. Other medical sciences	\$	<input type="text"/>	,000
		E45084_y5	
Total medical and health sciences	\$	<input type="text"/>	,000
		E45120	

Agricultural sciences

z. Agriculture, forestry and fisheries sciences	\$	<input type="text"/>	,000
		E45095_y1	
aa. Animal and dairy sciences	\$	<input type="text"/>	,000
		E45095_y2	
ab. Veterinary sciences	\$	<input type="text"/>	,000
		E45095_y3	
ac. Agricultural biotechnology	\$	<input type="text"/>	,000
		E45095_y4	
ad. Other agricultural sciences	\$	<input type="text"/>	,000
		E45095_y5	
Total agricultural sciences	\$	<input type="text"/>	,000
		E45088	

Social sciences and humanities

ae. Psychology	\$	<input type="text"/>	,000
		E45096_y1	
af. Educational sciences	\$	<input type="text"/>	,000
		E45096_y2	
ag. Economics and business	\$	<input type="text"/>	,000
		E45096_y3	
ah. Other social sciences	\$	<input type="text"/>	,000
		E45096_y4	
ai. Humanities	\$	<input type="text"/>	,000
		E45096_y5	
Total social sciences and humanities	\$	<input type="text"/>	,000
		E45089	

2015 — Total in-house R&D expenditures within Canada by field of research and development (should equal total in-house R&D expenditures from question 4) (sum of questions a. to ai.)

\$	<input type="text"/>	,000
	E45130	

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Nature of R&D for in-house R&D expenditures within Canada in 2015

11. In 2015, how were this business's **total expenditures** for R&D performed in-house within Canada distributed by nature of R&D?

	Percentage
a. Basic research	E45091_y1 <input type="text"/> <input type="text"/> <input type="text"/> %
b. Applied research	E45091_y2 <input type="text"/> <input type="text"/> <input type="text"/> %
c. Experimental development	E45091_y3 <input type="text"/> <input type="text"/> <input type="text"/> %
Total percentage	E45140 1 0 0 %

Results of R&D expenditures from 2013 to 2015

12. During the three (3) years **2013, 2014 and 2015**, did this business's **total expenditures** for R&D performed in-house and outsourced (contracted out or granted) within Canada or outside Canada lead to new or significant improvements to the following?

	Yes	No
a. Goods	B10033 1 <input type="radio"/>	2 <input type="radio"/>
b. Services	B10034 1 <input type="radio"/>	2 <input type="radio"/>
c. Methods of manufacturing or producing goods and services	B10035 1 <input type="radio"/>	2 <input type="radio"/>
d. Logistics, delivery or distribution methods for this business's inputs, goods or services	B10036 1 <input type="radio"/>	2 <input type="radio"/>
e. Supporting activities for this business's processes, such as maintenance systems or operations for purchasing, accounting or computing	B10037 1 <input type="radio"/>	2 <input type="radio"/>

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In-house R&D personnel in 2015

13. In 2015, how many **in-house R&D personnel** within Canada did this business have in the following R&D occupations?

Please report in full-time equivalents (FTE).

Include: on-site consultants and contractors in line e.

Report '0' if **not applicable**.

If precise figures are not available, please provide your best estimate.

Researchers and research managers

Number of
full-time equivalent

a. Scientists, social scientists, engineers and researchers

Include: software developers and programmers

B20045_y1

B20045_y2

b. Senior research managers

B20045_y3

Total researchers and research managers

R&D technical, administrative and support staff

c. Technicians, technologists and research assistants

Include: software technicians

B20045_y4

B20045_y5

d. Other R&D technical, administrative and support staff

B20045_y6

Total R&D technical, administrative and support staff

Other R&D occupations

e. On-site R&D consultants and contractors

B20045_y7

B20040

Total in-house R&D personnel within Canada (sum of questions a. to e.)

14. Of this business's **total in-house R&D personnel** reported above, what percentage performed software-related activities?

If precise figures are not available, please provide your best estimate.

Report '0' if **not applicable**

Percentage

B20046

%

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15. In 2015, how were the total in-house R&D personnel distributed by province or territory?

Please report in full time equivalents (FTE).

If precise figures are not available, please provide your best estimate.

Report '0' if not applicable.

	Number of researchers and research managers	Number of R&D technical, administrative and support staff	Number of on-site R&D consultants and contractors
a. Newfoundland and Labrador	B20047_g1	B20048_g1	B20049_g1
b. Prince Edward Island	B20047_g2	B20048_g2	B20049_g2
c. Nova Scotia	B20047_g3	B20048_g3	B20049_g3
d. New Brunswick	B20047_g4	B20048_g4	B20049_g4
e. Quebec	B20047_g5	B20048_g5	B20049_g5
f. Ontario	B20047_g6	B20048_g6	B20049_g6
g. Manitoba	B20047_g7	B20048_g7	B20049_g7
h. Saskatchewan	B20047_g8	B20048_g8	B20049_g8
i. Alberta	B20047_g9	B20048_g9	B20049_g9
j. British Columbia	B20047_g10	B20048_g10	B20049_g10
k. Yukon	B20047_g11	B20048_g11	B20049_g11
l. Northwest Territories	B20047_g12	B20048_g12	B20049_g12
m. Nunavut	B20047_g13	B20048_g13	B20049_g13
Total in-house R&D personnel within Canada	B20050	B20060	B20070

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▲
Should equal total researchers and research managers from question 13

▲
Should equal total R&D technical, administrative and support staff from question 13

▲
Should equal total on-site consultants and contractors from question 13

Technology or technical assistance payments in 2015

16. In 2015, how much did this business pay to other organizations for technology and technical assistance?

Report all amounts in thousands of Canadian dollars.
Report '0' for no R&D expenditures.

Payments to parent, affiliated or subsidiary companies

- a. Patents
- b. Copyrights
- c. Trademarks
- d. Industrial designs
- e. Integrated circuit topography
- f. Original software
- g. Packaged or off-the-shelf software
- h. Databases (useful life exceeding one year)
- i. Other
Include: technical assistance, industrial processes and know-how

Payments made within Canada

CAN\$ '000

E46099_pc1
\$,000

E46099_pc2
\$,000

E46099_pc3
\$,000

E46099_pc4
\$,000

E46099_pc5
\$,000

E46099_pc6
\$,000

E46099_pc7
\$,000

E46099_pc8
\$,000

E46099_pc9
\$,000

Payments made outside Canada

CAN\$ '000

E43043_pc1
\$,000

E43043_pc2
\$,000

E43043_pc3
\$,000

E43043_pc4
\$,000

E43043_pc5
\$,000

E43043_pc6
\$,000

E43043_pc7
\$,000

E43043_pc8
\$,000

E43043_pc9
\$,000

Total payments made to parent, affiliated or subsidiary companies (sum of questions a. to i.)

E46220
\$,000

E43040
\$,000

Payments to other companies, organizations or individuals

- j. Patents
- k. Copyrights
- l. Trademarks
- m. Industrial designs
- n. Integrated circuit topography
- o. Original software
- p. Packaged or off-the-shelf software
- q. Databases (useful life exceeding one year)
- r. Other
Include: technical assistance, industrial processes and know-how

E46101_pc1
\$,000

E46101_pc2
\$,000

E46101_pc3
\$,000

E46101_pc4
\$,000

E46101_pc5
\$,000

E46101_pc6
\$,000

E46101_pc7
\$,000

E46101_pc8
\$,000

E46101_pc9
\$,000

E43044_pc1
\$,000

E43044_pc2
\$,000

E43044_pc3
\$,000

E43044_pc4
\$,000

E43044_pc5
\$,000

E43044_pc6
\$,000

E43044_pc7
\$,000

E43044_pc8
\$,000

E43044_pc9
\$,000

Total payments made to other companies, organizations or individuals (sum of questions j. to r.)

E46230
\$,000

E43050
\$,000

Total payments made to other organizations for technology and technical assistance (sum of questions a. to r.)

E46260
\$,000

E43060
\$,000

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17. In 2015, how much did this business receive from other organizations for technology and technical assistance?

Report all amounts in thousands of Canadian dollars.
Report '0' for no R&D expenditures.

Payments received from parent, affiliated or subsidiary companies

- a. Patents
- b. Copyrights
- c. Trademarks
- d. Industrial designs
- e. Integrated circuit topography
- f. Original software
- g. Packaged or off-the-shelf software
- h. Databases (useful life exceeding one year)
- i. Other
Include: technical assistance, industrial processes and know-how

Payments received from within Canada

CAN\$ '000

E46102_pc1 \$,000

E46102_pc2 \$,000

E46102_pc3 \$,000

E46102_pc4 \$,000

E46102_pc5 \$,000

E46102_pc6 \$,000

E46102_pc7 \$,000

E46102_pc8 \$,000

E46102_pc9 \$,000

Payments received from outside Canada

CAN\$ '000

E63042_pc1 \$,000

E63042_pc2 \$,000

E63042_pc3 \$,000

E63042_pc4 \$,000

E63042_pc5 \$,000

E63042_pc6 \$,000

E63042_pc7 \$,000

E63042_pc8 \$,000

E63042_pc9 \$,000

Total payments received from parent, affiliated or subsidiary companies (sum of questions a. to i.)

E46240 \$,000

E63030 \$,000

Payments from other companies, organizations or individuals

- j. Patents
- k. Copyrights
- l. Trademarks
- m. Industrial designs
- n. Integrated circuit topography
- o. Original software
- p. Packaged or off-the-shelf software
- q. Databases (useful life exceeding one year)
- r. Other
Include: technical assistance, industrial processes and know-how

E46103_pc1 \$,000

E46103_pc2 \$,000

E46103_pc3 \$,000

E46103_pc4 \$,000

E46103_pc5 \$,000

E46103_pc6 \$,000

E46103_pc7 \$,000

E46103_pc8 \$,000

E46103_pc9 \$,000

E63043_pc1 \$,000

E63043_pc2 \$,000

E63043_pc3 \$,000

E63043_pc4 \$,000

E63043_pc5 \$,000

E63043_pc6 \$,000

E63043_pc7 \$,000

E63043_pc8 \$,000

E63043_pc9 \$,000

Total payments received from other companies, organizations or individuals (sum of questions j. to r.)

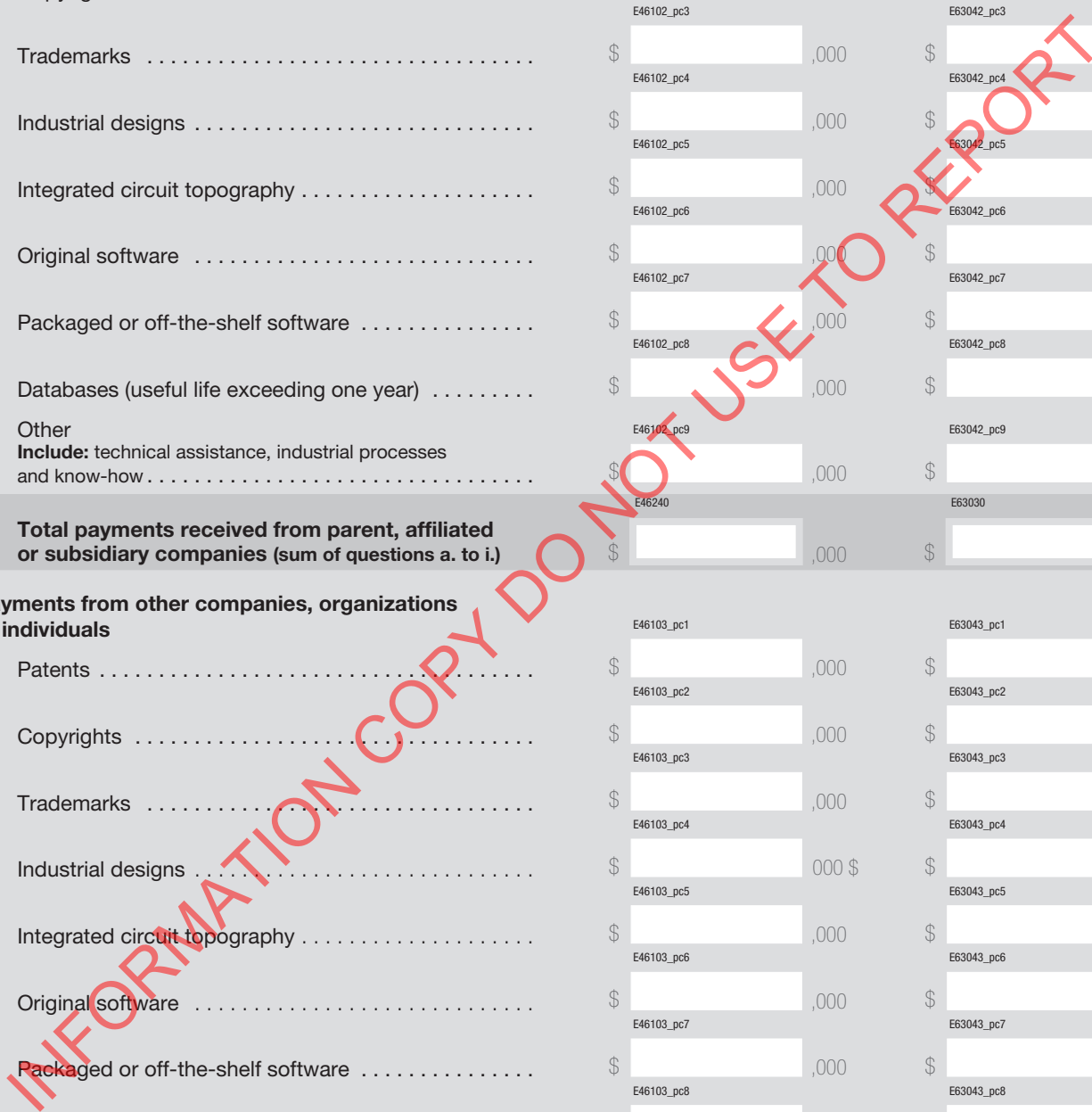
E46250 \$,000

E63040 \$,000

Total payments received from other organizations for technology and technical assistance (sum of questions a. to r.)

E46270 \$,000

E63050 \$,000



ENERGY-RELATED R&D BY AREA OF TECHNOLOGY

18. In 2015, did this business's **total in-house and outsourced** (contracted out or granted) **R&D expenditures** include **energy-related R&D** in the following categories?

- | | |
|-------------------------------|--------------------------------------|
| 1. Fossil fuels | 5. Hydrogen and fuel cells |
| 2. Renewable energy resources | 6. Energy efficiency |
| 3. Nuclear fission and fusion | 7. Other energy-related technologies |
| 4. Electric power | |

Yes → Please provide details below

No → Go to question 19

Energy-related R&D by area of technology (consult the reporting guide at www.statcan.gc.ca/guides-e for further information and definitions)	2015 in-house energy-related R&D expenditures (by this reporting unit)		
	A	B	C
	Funds from this business	Funds from federal or provincial government(s)	All other Canadian sources of funds
CANS '000			
1. Fossil fuels			
a) Crude oils and natural gas exploration	E64052_e1_y1 \$,000	E64053_e1_y1 \$,000	E64054_e1_y1 \$,000
b) Crude oils and natural gas production and storage Include: enhanced recovery natural gas production	E64052_e1_y2 \$,000	E64053_e1_y2 \$,000	E64054_e1_y2 \$,000
c) Oil sands and heavy crude oil surface and sub-surface production and separation of bitumen, tailings management	E64052_e1_y3 \$,000	E64053_e1_y3 \$,000	E64054_e1_y3 \$,000
d) Refining, processing and upgrading of fossil fuels	E64052_e1_y4 \$,000	E64053_e1_y4 \$,000	E64054_e1_y4 \$,000
e) Coal production, separation and processing	E64052_e1_y5 \$,000	E64053_e1_y5 \$,000	E64054_e1_y5 \$,000
f) Transportation of fossil fuels	E64052_e1_y6 \$,000	E64053_e1_y6 \$,000	E64054_e1_y6 \$,000
2. Renewable energy resources			
a) Solar photovoltaics (PV)	E64052_e2_y1 \$,000	E64053_e2_y1 \$,000	E64054_e2_y1 \$,000
b) Solar thermal-power and high-temperature applications	E64052_e2_y2 \$,000	E64053_e2_y2 \$,000	E64054_e2_y2 \$,000
c) Solar heating and cooling	E64052_e2_y3 \$,000	E64053_e2_y3 \$,000	E64054_e2_y3 \$,000
d) Wind energy	E64052_e2_y4 \$,000	E64053_e2_y4 \$,000	E64054_e2_y4 \$,000
e) Bio-energy – biomass production and transport	E64052_e2_y5 \$,000	E64053_e2_y5 \$,000	E64054_e2_y5 \$,000
f) Bio-energy – biomass conversion to transportation fuel	E64052_e2_y6 \$,000	E64053_e2_y6 \$,000	E64054_e2_y6 \$,000
g) Bio-energy – biomass conversion to heat and electricity	E64052_e2_y7 \$,000	E64053_e2_y7 \$,000	E64054_e2_y7 \$,000
h) Other bio-energy	E64052_e2_y8 \$,000	E64053_e2_y8 \$,000	E64054_e2_y8 \$,000
i) Small-Hydro (less than 10 MW)	E64052_e2_y9 \$,000	E64053_e2_y9 \$,000	E64054_e2_y9 \$,000
j) Large-Hydro (greater than or equal to 10MW)	E64052_e2_y10 \$,000	E64053_e2_y10 \$,000	E64054_e2_y10 \$,000
k) Other renewable energy Include: ocean and geothermal	E64052_e2_y11 \$,000	E64053_e2_y11 \$,000	E64054_e2_y11 \$,000

2015 in-house energy-related R&D expenditures (by this reporting unit)		2015 outsourced (contracted out or granted) R&D expenditures		
D All foreign sources of funds	Total in-house (= A+B+C+D)	E Outsourced (contracted out or granted) in Canada	F Outsourced (contracted out or granted) outside Canada	Total outsourced (= E+F)
CAN\$ '000		CAN\$ '000		
1. Fossil fuels				
E63045_e1_y1	E45097_e1_y1	E46104_e1_y1	E43045_e1_y1	E40430_e1_y1
\$,000	\$,000	\$,000	\$,000	\$,000
E63045_e1_y2	E45097_e1_y2	E46104_e1_y2	E43045_e1_y2	E40430_e1_y2
\$,000	\$,000	\$,000	\$,000	\$,000
E63045_e1_y3	E45097_e1_y3	E46104_e1_y3	E43045_e1_y3	E40430_e1_y3
\$,000	\$,000	\$,000	\$,000	\$,000
E63045_e1_y4	E45097_e1_y4	E46104_e1_y4	E43045_e1_y4	E40430_e1_y4
\$,000	\$,000	\$,000	\$,000	\$,000
E63045_e1_y5	E45097_e1_y5	E46104_e1_y5	E43045_e1_y5	E40430_e1_y5
\$,000	\$,000	\$,000	\$,000	\$,000
E63045_e1_y6	E45097_e1_y6	E46104_e1_y6	E43045_e1_y6	E40430_e1_y6
\$,000	\$,000	\$,000	\$,000	\$,000
2. Renewable energy resources				
E63045_e2_y1	E45097_e2_y1	E46104_e2_y1	E43045_e2_y1	E40430_e2_y1
\$,000	\$,000	\$,000	\$,000	\$,000
E63045_e2_y2	E45097_e2_y2	E46104_e2_y2	E43045_e2_y2	E40430_e2_y2
\$,000	\$,000	\$,000	\$,000	\$,000
E63045_e2_y3	E45097_e2_y3	E46104_e2_y3	E43045_e2_y3	E40430_e2_y3
\$,000	\$,000	\$,000	\$,000	\$,000
E63045_e2_y4	E45097_e2_y4	E46104_e2_y4	E43045_e2_y4	E40430_e2_y4
\$,000	\$,000	\$,000	\$,000	\$,000
E63045_e2_y5	E45097_e2_y5	E46104_e2_y5	E43045_e2_y5	E40430_e2_y5
\$,000	\$,000	\$,000	\$,000	\$,000
E63045_e2_y6	E45097_e2_y6	E46104_e2_y6	E43045_e2_y6	E40430_e2_y6
\$,000	\$,000	\$,000	\$,000	\$,000
E63045_e2_y7	E45097_e2_y7	E46104_e2_y7	E43045_e2_y7	E40430_e2_y7
\$,000	\$,000	\$,000	\$,000	\$,000
E63045_e2_y8	E45097_e2_y8	E46104_e2_y8	E43045_e2_y8	E40430_e2_y8
\$,000	\$,000	\$,000	\$,000	\$,000
E63045_e2_y9	E45097_e2_y9	E46104_e2_y9	E43045_e2_y9	E40430_e2_y9
\$,000	\$,000	\$,000	\$,000	\$,000
E63045_e2_y10	E45097_e2_y10	E46104_e2_y10	E43045_e2_y10	E40430_e2_y10
\$,000	\$,000	\$,000	\$,000	\$,000
E63045_e2_y11	E45097_e2_y11	E46104_e2_y11	E43045_e2_y11	E40430_e2_y11
\$,000	\$,000	\$,000	\$,000	\$,000

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Energy-related R&D by area of technology (consult the reporting guide at www.statcan.gc.ca/guides-e for further information and definitions)	2015 in-house energy-related R&D expenditures (by this reporting unit)		
	A	B	C
	Funds from this business	Funds from federal or provincial government(s)	All other Canadian sources of funds
CAN\$ '000			
3. Nuclear fission and fusion			
a) Nuclear materials exploration, mining and preparation, tailings management	E64052_e3_y1 \$,000	E64053_e3_y1 \$,000	E64054_e3_y1 \$,000
b) Nuclear reactors	E64052_e3_y2 \$,000	E64053_e3_y2 \$,000	E64054_e3_y2 \$,000
c) Other fission	E64052_e3_y3 \$,000	E64053_e3_y3 \$,000	E64054_e3_y3 \$,000
d) Fusion	E64052_e3_y4 \$,000	E64053_e3_y4 \$,000	E64054_e3_y4 \$,000
4. Electric power			
a) Electric power generation in utility sector	E64052_e4_y1 \$,000	E64053_e4_y1 \$,000	E64054_e4_y1 \$,000
b) Electric power - combine heat and power in industry, buildings	E64052_e4_y2 \$,000	E64053_e4_y2 \$,000	E64054_e4_y2 \$,000
c) Electricity transmission, distribution and storage	E64052_e4_y3 \$,000	E64053_e4_y3 \$,000	E64054_e4_y3 \$,000
5. Hydrogen and fuel cells			
a) Hydrogen production for process applications	E64052_e5_y1 \$,000	E64053_e5_y1 \$,000	E64054_e5_y1 \$,000
b) Hydrogen production for transportation applications	E64052_e5_y2 \$,000	E64053_e5_y2 \$,000	E64054_e5_y2 \$,000
c) Hydrogen transport and storage	E64052_e5_y3 \$,000	E64053_e5_y3 \$,000	E64054_e5_y3 \$,000
d) Other hydrogen	E64052_e5_y4 \$,000	E64053_e5_y4 \$,000	E64054_e5_y4 \$,000
e) Stationary fuel cells	E64052_e5_y5 \$,000	E64053_e5_y5 \$,000	E64054_e5_y5 \$,000
f) Mobile fuel cells	E64052_e5_y6 \$,000	E64053_e5_y6 \$,000	E64054_e5_y6 \$,000
6. Energy efficiency			
a) Energy efficiency applications for industry	E64052_e6_y1 \$,000	E64053_e6_y1 \$,000	E64054_e6_y1 \$,000
b) Energy efficiency for residential, institutional and commercial sectors	E64052_e6_y2 \$,000	E64053_e6_y2 \$,000	E64054_e6_y2 \$,000
c) Energy efficiency for transportation	E64052_e6_y3 \$,000	E64053_e6_y3 \$,000	E64054_e6_y3 \$,000
d) Other energy efficiency	E64052_e6_y4 \$,000	E64053_e6_y4 \$,000	E64054_e6_y4 \$,000
7. Other energy-related technologies			
a) Carbon capture, transport and storage related to fossil fuel production and processing	E64052_e7_y1 \$,000	E64053_e7_y1 \$,000	E64054_e7_y1 \$,000
b) Carbon capture, transport and storage related to electric power production	E64052_e7_y2 \$,000	E64053_e7_y2 \$,000	E64054_e7_y2 \$,000
c) Carbon capture, transport and storage related to industry in end use sector	E64052_e7_y3 \$,000	E64053_e7_y3 \$,000	E64054_e7_y3 \$,000
d) Energy system analysis	E64052_e7_y4 \$,000	E64053_e7_y4 \$,000	E64054_e7_y4 \$,000
e) All other energy-related technologies	E64052_e7_y5 \$,000	E64053_e7_y5 \$,000	E64054_e7_y5 \$,000

2015 in-house energy-related R&D expenditures (by this reporting unit)		2015 outsourced (contracted out or granted) R&D expenditures		
D All foreign sources of funds	Total in-house (= A+B+C+D)	E Outsourced (contracted out or granted) in Canada	F Outsourced (contracted out or granted) outside Canada	Total outsourced (= E+F)
CAN\$ '000		CAN\$ '000		
3. Nuclear fission and fusion				
E63045_e3_y1 \$,000	E45097_e3_y1 \$,000	E46104_e3_y1 \$,000	E43045_e3_y1 \$,000	E40430_e3_y1 \$,000
E63045_e3_y2 \$,000	E45097_e3_y2 \$,000	E46104_e3_y2 \$,000	E43045_e3_y2 \$,000	E40430_e3_y2 \$,000
E63045_e3_y3 \$,000	E45097_e3_y3 \$,000	E46104_e3_y3 \$,000	E43045_e3_y3 \$,000	E40430_e3_y3 \$,000
E63045_e3_y4 \$,000	E45097_e3_y4 \$,000	E46104_e3_y4 \$,000	E43045_e3_y4 \$,000	E40430_e3_y4 \$,000
4. Electric power				
E63045_e4_y1 \$,000	E45097_e4_y1 \$,000	E46104_e4_y1 \$,000	E43045_e4_y1 \$,000	E40430_e4_y1 \$,000
E63045_e4_y2 \$,000	E45097_e4_y2 \$,000	E46104_e4_y2 \$,000	E43045_e4_y2 \$,000	E40430_e4_y2 \$,000
E63045_e4_y3 \$,000	E45097_e4_y3 \$,000	E46104_e4_y3 \$,000	E43045_e4_y3 \$,000	E40430_e4_y3 \$,000
5. Hydrogen and fuel cells				
E63045_e5_y1 \$,000	E45097_e5_y1 \$,000	E46104_e5_y1 \$,000	E43045_e5_y1 \$,000	E40430_e5_y1 \$,000
E63045_e5_y2 \$,000	E45097_e5_y2 \$,000	E46104_e5_y2 \$,000	E43045_e5_y2 \$,000	E40430_e5_y2 \$,000
E63045_e5_y3 \$,000	E45097_e5_y3 \$,000	E46104_e5_y3 \$,000	E43045_e5_y3 \$,000	E40430_e5_y3 \$,000
E63045_e5_y4 \$,000	E45097_e5_y4 \$,000	E46104_e5_y4 \$,000	E43045_e5_y4 \$,000	E40430_e5_y4 \$,000
E63045_e5_y5 \$,000	E45097_e5_y5 \$,000	E46104_e5_y5 \$,000	E43045_e5_y5 \$,000	E40430_e5_y5 \$,000
E63045_e5_y6 \$,000	E45097_e5_y6 \$,000	E46104_e5_y6 \$,000	E43045_e5_y6 \$,000	E40430_e5_y6 \$,000
6. Energy efficiency				
E63045_e6_y1 \$,000	E45097_e6_y1 \$,000	E46104_e6_y1 \$,000	E43045_e6_y1 \$,000	E40430_e6_y1 \$,000
E63045_e6_y2 \$,000	E45097_e6_y2 \$,000	E46104_e6_y2 \$,000	E43045_e6_y2 \$,000	E40430_e6_y2 \$,000
E63045_e6_y3 \$,000	E45097_e6_y3 \$,000	E46104_e6_y3 \$,000	E43045_e6_y3 \$,000	E40430_e6_y3 \$,000
E63045_e6_y4 \$,000	E45097_e6_y4 \$,000	E46104_e6_y4 \$,000	E43045_e6_y4 \$,000	E40430_e6_y4 \$,000
7. Other energy-related technologies				
E63045_e7_y1 \$,000	E45097_e7_y1 \$,000	E46104_e7_y1 \$,000	E43045_e7_y1 \$,000	E40430_e7_y1 \$,000
E63045_e7_y2 \$,000	E45097_e7_y2 \$,000	E46104_e7_y2 \$,000	E43045_e7_y2 \$,000	E40430_e7_y2 \$,000
E63045_e7_y3 \$,000	E45097_e7_y3 \$,000	E46104_e7_y3 \$,000	E43045_e7_y3 \$,000	E40430_e7_y3 \$,000
E63045_e7_y4 \$,000	E45097_e7_y4 \$,000	E46104_e7_y4 \$,000	E43045_e7_y4 \$,000	E40430_e7_y4 \$,000
E63045_e7_y5 \$,000	E45097_e7_y5 \$,000	E46104_e7_y5 \$,000	E43045_e7_y5 \$,000	E40430_e7_y5 \$,000

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Reporting changes and events that affected this business or organization

19. Indicate any reason(s) that may have affected the reported values for this business or organization compared to the last reporting period.

Select all that apply.

B00316_r1

Outsourcing of R&D project(s)

B00316_r2

Initiation of new R&D project(s)

B00316_r3

Completion of existing R&D project(s)

B00316_r4

Major change in funding of R&D project(s) (loss of funding)

B00316_r5

Major change in funding of R&D project(s) (increase in funding)

B00316_r6

Organizational change that affected R&D activities (expansion, reduction, restructuring)

B00316_r7

Economic change that affected R&D activities

B00316_r11

Lack of availability of qualified R&D personnel

B00316_r8

Other reason — specify:

B00316_r9

B00316_r10

No changes or events

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General information

Confidentiality

Your answers are confidential.

Statistics Canada is prohibited by law from releasing any information it collects which could identify any person, business, or organization, unless consent has been given by the respondent or as permitted by the *Statistics Act*. Statistics Canada will use the information from this survey for statistical purposes.

Data-sharing agreements

To reduce respondent burden, Statistics Canada has entered into data-sharing agreements with provincial and territorial statistical agencies and other government organizations, which have agreed to keep the data confidential and use them only for statistical purposes. Statistics Canada will only share data from this survey with those organizations that have demonstrated a requirement to use the data.

Provincial and territorial statistical agencies

Section 11 of the *Statistics Act* provides for the sharing of information with provincial and territorial statistical agencies that meet certain conditions. These agencies must have the legislative authority to collect the same information, on a mandatory basis, and the legislation must provide substantially the same provisions for confidentiality and penalties for disclosure of confidential information as the *Statistics Act*. Because these agencies have the legal authority to compel businesses to provide the same information, consent is not requested and businesses may not object to the sharing of the data.

For this survey, there are **Section 11** agreements with the provincial and territorial statistical agencies of Newfoundland and Labrador, Nova Scotia, New Brunswick, Quebec, Ontario, Manitoba, Saskatchewan, Alberta, British Columbia and the Yukon. The shared data will be limited to information on in-house research and development expenditures (Question 8) and in-house research and development personnel (Question 15) pertaining to business establishments located within the jurisdiction of the respective province or territory.

Section 12 of the *Statistics Act* provides for the sharing of information with federal, provincial or territorial government organizations. Under **Section 12**, you may refuse to share your information with any of these organizations by writing a letter of objection to the Chief Statistician and returning it with the completed questionnaire. Please specify the organizations with which you do not want to share your data.

For this survey, there are **Section 12** agreements with the statistical agencies of Prince Edward Island, the Northwest Territories and Nunavut. The shared data will be limited to information on in-house research and development expenditures (Question 8) and in-house research and development personnel (Question 15) pertaining to business establishments located within the jurisdiction of the respective province or territory.

Natural Resources Canada

For respondents with expenditures on energy-related research and development in technology (fossil fuels, renewable energy resources, nuclear fission and fusion, electric power, hydrogen and fuel cells, energy efficiency, other energy-related technologies), Statistics Canada will also share survey data with the Office of Energy Research and Development (OERD) of Natural Resources Canada. The shared data will be limited to information on Energy Research and Development Expenditures by Area of Technology (Question 18).

You may refuse to share your information with this organization by writing a letter of objection to the Chief Statistician and returning it with the completed questionnaire.

Record linkages

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

Thank you for completing this questionnaire.

Please retain a copy for your records.

Visit our website, www.statcan.gc.ca