



Research and Development in Canadian Industry, 2002

Reporting unit name and address

Si vous préférez ce questionnaire en français, veuillez cocher

Please correct any mistakes in name or address



INFORMATION FOR RESPONDENTS

Survey objective

This survey collects data which are essential to assure the availability of pertinent statistical information to monitor science and technology related activities in Canada and to support the development of science and technology policy. Your data will be used, for instance, to plan and evaluate research and development (R&D) incentive programs and to complete national totals for scientific R&D expenditures and personnel. The results of this survey will be published in "Industrial Research and Development (Cat. No. 88-202-XIB) and "Science Statistics" (Cat. 88-001-XIB).

Authority

This survey is conducted under the authority of the Statistics Act, Revised Statutes of Canada, 1985, Chapter S19.

Legal requirement

Organizations are required to provide this information.

Confidentiality

Statistics Canada is prohibited from publishing any statistics which would divulge information relating to any identifiable organization without the previous written consent of that organization. The data reported on this questionnaire will be treated in strict confidence, used for statistical purposes and published in aggregated form only.

Federal/Provincial Agreements

In order to avoid duplication of enquiry, to reduce the cost of data collection and to provide consistent statistics, an agreement has been made with the Institut de la statistique du Québec, under Section 11 of the Statistics Act, Statutes of Canada, where data on firms located or having R&D activities in Québec will be transmitted to the Institut de la Statistique du Québec. The Statistics Act of Québec includes the same provisions for confidentiality and penalties for disclosure of information as the Canada Statistics Act.

Reporting period and coverage

This questionnaire should be completed for the **fiscal year ending in 2002**. This report should exclude foreign operations. Please report all amounts in **Canadian currency**.

Please complete a separate questionnaire for each company **performing R&D** activities in Canada.

- If your records do not permit separate reporting, ensure that questions 1 to 8 **only include** data on companies performing R&D in Canada.
- If your company performs R&D activities, **all questions should be completed**.
- If your company does not perform but funds R&D, **complete questions 2, 3, 4, 10, 11, 12, 13 and certification**.

GENERAL CORPORATE DATA (questions 1 to 4)

1. a) If your records do not permit separate reporting, **list the name of the other companies performing R&D in Canada** for which data will be included in questions 2 to 6 of this questionnaire, and indicate "YES" in column 2; these firms will be considered members of this reporting unit.

b) If this reporting unit includes Canadian R & D activities performed in direct support of other Canadian related firms (i.e. parent, subsidiaries) **which themselves do not perform R & D**, list these Canadian companies and indicate "NO" in column 2.

Name of companies (please print full legal name and attach additional sheet if necessary)	Performs R&D YES or NO	Indicate type of affiliation with reporting unit (i.e. parent, subsidiary or other)
315		
316		
317		
318		
319		

c) Latest fiscal year for which a claim for Scientific Research and Experimental Development (T661 SRED) was filed with Revenue Canada 533

d) In the fiscal year ending in 2002, did your firm engage in R&D alliances with other firms or organizations? 534 Yes or No

2. FISCAL YEAR ENDING IN 2002 FROM 531 TO 532

3a) REVENUES IN CANADA of reporting company and Canadian firms listed in questions 1 a) and 1 b). Indicate their approximate sales and other revenues originating from Canadian operations for 2002 ("see Instruction Guide") 193 (in thousands of Cdn \$)

b) Please estimate the percentage of your 2002 revenues, reported in question 3a), that was generated by new or substantially improved products/services introduced by your firm during the three-year period 2000-2002 536 %

4. NUMBER OF EMPLOYEES IN CANADA of reporting company and Canadian firms listed in questions 1 a) and 1b). Indicate their average number of employees on payroll in Canada for 2002. 094 (number)

CERTIFICATION

Name of person who completed this report (please print)		Business address:		
Official position:	Date:	Postal code:	Telephone No.	Extension
Email address:		GST No. (BN No.)	Fax No.	

DATA ON R&D PERFORMED (questions 5 to 8)

5. PERSONNEL OF THIS REPORTING UNIT ENGAGED IN R&D (FULL-TIME EQUIVALENT*) (use rounded numbers only)

		Professionals								Supporting Staff*		Total R&D personnel
		Scientists and engineers				Senior R&D administrators				Technicians and technologists	Other	
		Bachelors	Masters	Doctorates	Total	Bachelors	Masters	Doctorates	Total			
a) In 2002		082	083	084		085	086	087		088	089	**
For 2002, please indicate % of males and females	% M											
	% F											
b) Planned for 2003												

* See "Instruction Guide"

** Divide wages and salaries for 2002 (Question 6a) by total R&D personnel.

If the average R&D wages and salaries do not seem reasonable, please review the data

Average wages and salaries

(in thousands of Cdn \$)

6. EXPENDITURES IN CANADA FOR R&D PERFORMED WITHIN THIS REPORTING UNIT (2002 total R&D expenditures should equal total of question 8) (thousands of Cdn \$)

	CURRENT EXPENDITURES			CAPITAL EXPENDITURES				Total	
	Wages and salaries*	Other current costs**	Total current	Land	Buildings	Equipment & Other	Total capital		
(in thousands of Cdn \$)									
a) Made in 2001	001	002		009	010	011			
b) Made in 2002	003	004		012	013	014			
c) Planned for 2003	005	006		015	016	017			
d) Forecast for 2004	007	008		018	019	020			
e) If applicable, please estimate the percentage of total R&D expenditures (reported above for 2002) attributable to software development***								308	%
f) If applicable, please estimate the percentage of total R&D expenditures (reported above for 2002) attributable to biotechnology***								309	%
g) If applicable, please estimate the percentage of total R&D expenditures (reported above for 2002) attributable to prevention, treatment and reuse of pollutants and wastes, and reduction of material and energy use***								314	%
h) Are there important potential environmental benefits related to the R&D reported for 2002 (apart from any R&D reported in question 6g)?***								535	Yes <input type="checkbox"/> or No <input type="checkbox"/>
i) If applicable, please estimate the percentage of total R&D expenditures (reported above for 2002) attributable to advanced materials***								537	%

* Include fringe benefits of persons engaged in R&D.

** Include contracts for services required to carry out R&D (e.g. contracts awarded for drilling needed for heavy oil R&D). Exclude contracts for R&D work itself which should be reported in questions 10 & 11. **Exclude capital depreciation.**

*** See "Instruction Guide"

7. REGIONAL INFORMATION FOR R&D PERFORMED WITHIN THIS REPORTING UNIT IN 2002 (Expenditures should be reported in thousands of Cdn \$)

Region where R&D was performed	Number of R&D Establishments (count) *	R&D expenditures		R&D personnel	
		Current	Capital	Professionals	Supporting staff
		(in thousands of Cdn \$)		(Full-time equivalent**)	
1. Newfoundland and Labrador		109	122	135	148
2. Prince Edward Island		110	123	136	149
3. Nova Scotia		111	124	137	150
4. New Brunswick		112	125	138	151
5. Québec (excluding Montréal area and National Capital Region)		113	126	139	152
6. Montréal metropolitan area		114	127	140	153
7. National Capital Region:** Québec (specify):		310	311	312	313
Ontario (specify):		294	295	296	297
8. Ontario (excluding Toronto area and National Capital Region)		115	128	141	154
9. Toronto, metropolitan area		116	129	142	155
10. Manitoba		117	130	143	156
11. Saskatchewan		118	131	144	157
12. Alberta		119	132	145	158
13. British Columbia		120	133	146	159
14. Yukon, Northwest Territories and Nunavut		121	134	147	160
Total (equal to 2002 expenditures and personnel reported in questions 6b) and 5a)					

* Please complete Question 9 for each establishment identified above.

** See "Instruction Guide" for areas covered in the National Capital Region.

8. SOURCES OF FUNDS FOR R&D PERFORMED WITHIN THIS REPORTING UNIT IN 2002
(in thousands of Cdn \$)

	Canadian sources	Non-Canadian
	021	022
a) Reporting unit funding (include also funds from companies listed in question 1a)		
(i) Please indicate % of a) which were provided by venture capital firms	%	%
b) Parent, affiliated and subsidiary companies (only those not included in question 8a).		
Name of companies (please print full legal name and attach additional sheet if necessary.)		
325	335	345
326	336	346
327	337	347
328	338	348
329	339	349
Sub-total (b)	023	024
c) Canadian Federal Government:*		
(i) R&D grants and the R&D portion only of any other grants.		
Industry Canada: Technology Partnership Program	162	
National Research Council: Industrial Research Assistance Program	164	
Atlantic Canada Opportunities Agency	163	
Canada Economic Development (Québec Regions)		
Western Economic Diversification Office		
Other grant programs (specify):		
(specify):		
Sub-total (c)	027	
(ii) R&D contracts and the R&D portion only of any other contracts.		
Contracting departments: (Payments are often made through Public Works and Government Services Canada for other departments; please specify contracting department)		
Canadian Space Agency		
National Defence		
Sub-total (c ii)	026	
d) Provincial government:*		
(specify province):		
(specify province):		
(specify province):		
Sub-total (d)	291	
e) R&D contract work for other companies		
Name of companies (please print full legal name and attach additional sheet if necessary.)		
355	365	375
356	366	376
357	367	377
358	368	378
359	369	379
360	370	380
361	371	381
362	372	382
363	373	383
364	374	384
Sub-total (e)	028	029
f) Others (i.e. universities, foreign government) (specify):	387	388
Sub-totals (a to f)		
Total (equal to the 2002 grand total expenditures of question 6b).....		

*Questions 8c) and 8d) – Do not include any funds or tax credits from tax incentives; these should be considered part of your internal funding reported in question 8a).

DATA ON OTHER PAYMENTS MADE OR RECEIVED FOR TECHNOLOGY (question 12)

A company can acquire information based on R&D performed in the past by other companies, organizations or individuals. Similarly, it can sell information based on R&D it has performed in the past. In the preceding section, payments are reported for the support of R&D whilst this R&D is being done. In this section, consider only payments for information and rights derived from R&D performed in the past.

12. PAYMENTS MADE OR RECEIVED IN 2002 BY THIS REPORTING UNIT FOR PATENTS (SALE/PURCHASE, LICENSING) KNOW-HOW (UNPATENTED), INVENTIONS, TRADEMARKS (INCLUDING FRANCHISING), PATTERNS, DESIGN, AND R&D TECHNICAL ASSISTANCE* (in thousands of Cdn \$)

	In Canada	Outside Canada
a) Payments to parent, affiliated and/or subsidiary companies	101	103
to other organizations and/or individuals	102	104
Total	062	063

* Payments made outside Canada should be reported net of withholding taxes.

b) Receipts from parent, affiliated and/or subsidiary companies	105	107
from other organizations and/or individuals	106	108
Total	064	065

DATA ON ENERGY R&D (question 13)

13. IN 2002, DID THIS REPORTING UNIT PERFORM OR FUND ANY ENERGY R&D?

- Yes** ▶ Please complete the enclosed "Energy R&D expenditures by area of technology" (green) questionnaire.
- No** ▶ Please complete certification on page 2 and return questionnaires.

COMMENTS

COMMENTS: *Reasons for Major Changes in Reported Expenditures and Personnel – In order to eliminate the necessity to verify discrepancies between this report and your last return (2001) please explain any significant changes which might be misconstrued as an error in reporting.*

The results of this survey will be published in
"Industrial Research and Development" (Cat. No. 88-202-XIB) and **"Science Statistics"** (Cat. No. 88-001-XIB).
<http://www.statcan.ca/english/IPS/Data/88-001-XIB.htm>
<http://www.statcan.ca/english/IPS/Data/88-202-XIB.htm>

THANK YOU FOR YOUR CO-OPERATION