

U.S. DEPARTMENT OF COMMERCE Economics and Statistics Administration U.S. CENSUS BUREAU

RD-1A (DRAFT)

2004 SURVEY OF INDUSTRIAL RESEARCH AND DEVELOPMENT

OMB No.: Approval Expires

Mail your completed form to:

U.S. CENSUS BUREAU 1201 East 10th Street Jeffersonville, IN 47132-0001

Please read the accompanying instructions before answering the questions.

Need help or have questions about filling out this form? Visit our Web site at www.census.gov/econhelp/rd To speak with an analyst,

To speak with an analyst, call 1-800-851-2014, option "0" between 8:00 a.m. and 5:00 p.m., Eastern time, Monday through Friday.

- OR -

Write to the address above, include your 11-digit Identification Number (ID) printed in the mailing address.

RD-1A

B. How many employees worked in the 50 United States or D.C.

for your company on March 12, 2004? (Include number of

full- and part-time employees whose payroll was reported on Internal Revenue Service Form 941, Employer's Quarterly Federal Tax Return.)



(Please correct any errors in this mailing address.) **YOUR RESPONSE IS REQUIRED BY LAW.** Title 13, United States Code, requires businesses and other organizations that receive this questionnaire to answer the questions and return the report to the U.S. Census Bureau. By the same law, YOUR CENSUS REPORT IS CONFIDENTIAL. It may be seen only by persons sworn to uphold the confidentiality of Census Bureau information and may be used only for statistical purposes. Further, copies retained in respondents' files are immune from legal process. You will satisfy the mandatory requirements for this survey if you answer 2, lines A and B; 4, line D, columns 1 and 2; and . Except as noted, this report covers your entire consolidated domestic enterprise, including all U.S. subsidiaries, affiliates, and branches. Reasonable estimates are acceptable. Was this company owned or controlled by another company on December 31, 2004? Yes - See instructions to determine if you should complete this questionnaire. ■ No - Go to ②. 2004 \$ Billions Millions Thousands HOW TO REPORT Dollar figures should be rounded to thousands of dollars. DOLLAR FIGURES 026 If a figure is \$1,025,628.79: Report -**A.** What was the amount of your company's sales, shipments, operating receipts, or revenues, net of returns and allowances attributable to domestic operations in the 50 2004 United States or D.C. during 2004? (EXCLUDE domestic intracompany transfers and sales by foreign subsidiaries. Millions Thousands \$ Billions 102 INCLUDE receipts for sales of products and services provided to other companies, individuals, U.S. Government agencies, Mark "X" if None

Amount reported in 2003

Amount reported in 2003

Mark "X" if None

Number

112

What was the number of full-time equivalent (FTE) scientists and e your company as of January 1, 2005 who worked on the following 2004? (See instructions for the definition of FTE scientists and engineers.) A. Federally funded R&D	g types of R&D during s.) Mark "X" if None Doorted as of January 1, 2004	January 1, 2005 Number of FTEs 204
2004? (See instructions for the definition of FTE scientists and engineers.) A. Federally funded R&D	Mark "X" if None coorted as of January 1, 2004	Number of FTEs
A. Federally funded R&D	Mark "X" if None	204
Number of FTEs reported in the second of the	ported as of January 1, 2004	
B. Company and other nonfederally funded R&D		
B. Company and other nonfederally funded R&D		
		205
	Mark "X" II None	
Number of the repo		
	ported as of January 1, 2004	206
C. TOTAL (Add lines A and B.)	Mark "X" if None	
Number of FTEs repo	ported as of January 1, 2004	
What was the cost of R&D performed within your company in the !	50 United States and D.C	. during 2004?
(Please report R&D performed for each source of funding.)		
(4)	2004	(0)
A. Basic research (Research	(2) Company and other	(3) Total funds
for the advancement of scientific knowledge	nonfederal funds	Columns 1 + 2
without specific immediate commercial objectives.) \$ Billions Millions Thousands \$ Billions \$ Billio	Illions Millions Thousands	\$ Billions Millions Thousands
Mark "X" if no basic		
research		
Amount reported in 2003		
(1)	(2)	(3)
B. Applied research (Research directed Federal funds	Company and other	Total funds
primarily towards a	nonfederal funds Illions Millions Thousands	Columns 1 + 2 \$ Billions Millions Thousands
specific commercial or practical objective.) \$\frac{\\$Billions \ Millions \ Indusands \ \\$Billions \ 315}{\} \$\frac{\\$Billions \ Millions \ A14}{\} \$\frac{\\$Billions \ A14}{\} \$\\$B	illions ivillions mousands	316
Mark "X" if no		
applied research		
Amount reported in 2003		
(1)	(2)	(3)
	Company and other	Total funds
translating research into	nonfederal funds Illions Millions Thousands	Columns 1 + 2 \$ Billions Millions Thousands
new or improved goods, services or processes.) \$\\$ \\$ \\$ \\$ \\$ \\$ \\$ \\$ \\$ \\$ \\$ \\$ \\$ \	illions ivillions mousands	326
Mark "X" if no		
development □		
Amount reported in 2003		
(1)	(2)	(3)
Federal funds	Company and other nonfederal funds	Total funds Columns 1 + 2
220.20.120.20		
	Illions Millions Thousands	\$ Billions Millions Thousands
	Illions Millions Thousands	\$ Billions Millions Thousands

Amount reported in 2003

If no Nun	ot shown, please enter your nber (ID) from the mailing ad	11-digit lo ldress.	dentificat	tion							
6	For 2005 what is your					2005					
	projected cost for company- funded R&D performed by		(1)			(2)			(3)		
	your company in the 50	F	ederal fund	ls	Com	pany and onfederal fur	other	Total funds Columns 1 + 2			
	United States and D.C.? (Comparable to the 2004	\$ Billions	Millions	Thousands	\$ Billions	Millions	Thousands	\$ Billions	Millions	Thousands	
	figure reported in 4 , line D,										
	column 2.) Mark "X" if no R&D is	000			000			401			
	planned for next year										
6	A. What was the cost of R&D										
	performed by others for your company in the 50										
	United States and D.C.				1	2004					
	during 2004?		(1)		Com	(2)	a tha a u		(3) Total funds		
	(Please report R&D performed for each source	F	ederal fund	ls		npany and o nfederal fui			olumns 1 +		
	of funding.)	\$ Billions	Millions	Thousands	\$ Billions	Millions	Thousands	\$ Billions	Millions	Thousands	
	Mark "X" if no R&D was performed by	354			355			356			
	others		1 1		1 1	1 1	1 1	1 1		1 1	
	Amount reported in 2003										
						2004					
	B. What was the cost of comp	any-funde	d R&D per	formed	Com	pany and o	other				
	by others for your company D.C. by the following types	of organiz	ations dur	ring 2004?		nfederal fui					
					\$ Billions	Millions	Thousands				
	1. For-profit companies .	<i>Mar</i>	k "X" if No	one \square							
		Am	ount report	ed in 2003							
		/ / / / / /	ount report	ca III 2000	000						
	2. Federal agencies or laboratories	Mar	k "X" if No	one 🗆							
	laboratories	IVIAI	X II NO	nie 🗆							
		Am	ount report	ed in 2003							
	0.00				900						
	3. State government agend or laboratories	cies <i>Mar</i>	k "X" if No	one							
		Am	ount report	ed in 2003							
					821						
	4. Universities or colleges	<i>Ma</i> r	k "X" if No	one \square							
				1: 0000							
		Am	ount report	ea in 2003	831						
	5. Other nonprofit organiza	ations <i>Mari</i>	k "X" if No	one \square							
		Am	ount report	ed in 2003							
	6. TOTAL (Add lines 1 three	ough	·								
	5. The sum should equa the total reported in line	al -			841						
	column 2.)	Mar	k "X" if No	one \square	1 1	1 1					
/											
		Am	ount report	ed in 2003							

performed outs	cost of your company side of the 50 United	States and D.C. by	/ <u>.</u>					
subsidiaries, at in which your o	filiates, branches, or company owns the fo	by other organizat	ions es of		2004			
voting stock or	equivalent interest d	luring 2004?	00 01		pany and c			
		Mark "X" if None		\$ Billions	Millions	Thousands		
1. 0% - No ov	vnership		363					
		^	2002					
2 More than	0% but less than 10%	Amount reported in						
Z. Wore than	070 but less than 107	o ownership	364					
		Amount reported in	2003					
3. 10%-50% o	wnership		365					
		Amount reported in	2002					
	F00/					1 1		
4. More than	50% ownership		366					
		Amount reported in	2003					
5. TOTAL (Ad	dd lines 1 through 4.)	369					
	<u> </u>	Amount reported in	2003					
B. What was the c	cost of your company outside the 50 Unite	/-funded R&D that						
by your subsid organizations in	iaries, affiliates, or br n which your compar ock or equivalent int	ranches, or by othe ny owns more thar	า 50%					
countries and F	Puerto Rico during 20)04?	iiig	1206				
		Amount reported in	2003					
				1201				
2. Canada .		Mark "X" if None						
		Amount reported in	2003					
				0000				
3. China		Mark "X" if None	Y					
		Amount reported in	2003	1203				
				1200				
4. France	/1	Mark "X" if None	Ш					
		Amount reported in	2003	1202				
5. Germany	./	Mark "X" if None						
		Amount reported in	2003					
				0000				
6. India		Mark "X" if None						
		Amount reported in						
		CONTINUE WITH	1 7 B	ON PAGE 5				

If not shown, please enter your 11-digit Identification Number (ID) from the mailing address.	
B. What was the cost of your company-funded R&D that was performed outside the 50 United States and D.C. by your subsidiaries, affiliates, or branches, or by other organizations in which your company owns more than 50 of the voting stock or equivalent interest in the following countries and Puerto Rico during 2004? - Continued	\$ Billions Millions Thousands
7. Ireland Mark "X" if None	0000
Amount reported in 2003	3 0000
8. Isreal	
Amount reported in 2003	3 0000
9. Italy	
Amount reported in 2003	1204
10. Japan	
Amount reported in 2003	0000
11. Singapore	
Amount reported in 20%	0000
12. Sweden	
Amount reported in 2003	1205
13. United Kingdom	
Amount reported in 2003	1207
1209	
Amount reported in 2005	3 0000
0000	
	0000
15. TOTAL (Add lines 1 through	1210
14. The sum should equal the amount reported in line A4.) Mark "X" if None	
Amount reported in 2003	3

Form RD-1A (DRAFT) Page 6 2004 What was the cost of the Federally funded R&D your company performed in the 50 United States and D.C. for each of these Company and other nonfederal funds Federal agencies during 2004? \$ Billions Millions Thousands 511 A. Department of Defense (DoD). . . Mark "X" if None Amount reported in 2003 521 B. National Aeronautics and Space Administration (NASA) Mark "X" if None Amount reported in 2003 531 C. Department of Energy (DOE) . . . Mark "X" if None Amount reported in 2003 541 D. Other Federal agencies. Mark "X" if None Amount reported in 2003 551 E. TOTAL (Add lines A through D. The sum should equal the total reported in 4, line D, column 1.) Mark "X" if None Amount reported in 2003

What was the cost relating to the total R&D performed within your company in the 50 United Stress and D.C. for the following types of expenses during 2004? A. Wases and salaries of R&D personnel (Include scientists and engineers, techniclars, secretaries, and other personnels). Amount reported in 2003 S. Fringe benefits of R&D personnel (Include taxable and nontexable benefits, 40 K plans, employers) Mark "X" if None Amount reported in 2003 S. Fringe benefits of R&D personnel (Include taxable and nontexable benefits, 40 K plans, employers) Mark "X" if None Amount reported in 2003 S. Fringe benefits of R&D personnel (Include the cost of all purchased materials consumed.) Mark "X" if None Amount reported in 2003 S. Fringe benefits of R&D property and equipment (Include depreciation and supplies consumed.) Mark "X" if None Amount reported in 2003 S. Fringe benefits of the for property and aquipment used for R&D Mark "X" if None Amount reported in 2003 S. Fringe benefits of the periodicals, and property and other expenses such as utilities, books and periodicals, and property and other expenses such sufficies, books and periodicals, and property and other expenses such as utilities, books and periodicals, and property and other expenses such as utilities, books and periodicals, and property and other expenses such as utilities, books and periodicals, and property and other expenses such as utilities, books and periodicals, and property and other expenses such as utilities, books and periodicals, and property and other expenses such as utilities, books and periodicals, and property and other expenses such as utilities, books and periodicals, and property and other expenses such as utilities, books and periodicals, and property and other expenses such as utilities and periodicals, and property and other expenses such as utilities and periodicals, and property and other expenses such as utilities and periodicals, and property and expenses Mark "X" if None Mark "X" if None Ma	If no	ot shown, please enter your 11-digit Identification nber (ID) from the mailing address.			
within your company in the 50 United States and D.C. for the following types of expenses during 2004? A. Wages and salaries of R&D personnel (Include scientists and engineers, technicians, secretaries, and other personnelN	<u></u>	What was the cost relating to the total P&D performed		2004	
A. Wages and salaries of R&D personnel (Include scientists and engineers, technicians, secretaries, and other personnel). B. Fringe benefits of R&D personnel (Include taxable and nontaxable benefits, 401K plans, employers' contribution to health plans.) C. Materials and supplies consumed (Include the cost of all purchased materials consumed.). Mark "X" if None Amount reported in 2003 C. Materials and supplies consumed (Include the cost of all purchased materials consumed.). Mark "X" K None Amount reported in 2003 D. Depreciation on R&D property and equipment (Include depreciation and amortization costs for property and equipment used for R&D during the year.). Mark "X" if None Amount reported in 2003 E. All other R&D expenses (Include R&Ds share of company overhead and other expenses such as utilities, books and periodicals, and property and other taxes.). Mark "X" if None Amount reported in 2003 F. TOTAL (Add lines A through E. The sum should equal the total reported in Q, line D, column 3.) Mark "X" if None	Y	within your company in the 50 United States and D.C. for	or the		
A. Wages and salaries of R&D personnel (Include scientists and engineers, technicians, secretaries, and other personnels)	`	following types of expenses during 2004?			
Initiate secretaries, and other personnels					
B. Fringe benefits of R&D personnel (Include taxable and nontaxable benefits, 401K plans, employers' contribution to health plans.) C. Materials and supplies consumed (Include the cost of all purchased materials consumed.) Mark "X" if None Amount reported in 2003 D. Depreciation on R&D property and equipment (Include depreciation and amortization costs for property and equipment used for R&D during the year.) Mark "X" if None Amount reported in 2003 E. All other R&D expenses (Include R&Ds share of company overhead and other expenses such as utilities, books and periodicals, and property and epoper yand other taxes.) Amount reported in 2003 F. TOTAL (Add lines A through E. The sum should equal the total reported in Q, line D, column 3.) Mark "X" if None		(Include scientists and engineers,		611	
B. Fringe benefits of R&D personnel (Include taxable and nonaxable benefits, 401K plans, employers' contribution to health plans.)		technicians, secretaries, and other personnel			
B. Fringe benefits of R&D personnel (Include taxable and nonaxable benefits, 401K plans, employers' contribution to health plans.)					
B. Fringe benefits of R&D personnel (Include taxable and nonaxable benefits, 401K plans, employers' contribution to health plans.)		Amount reported	in 2003		
(Include taxable and nontaxable benefits, 401K plans, employers' contribution to health plans.)					
C. Materials and supplies consumed (Include the cost of all purchased materials consumed.)		<u> </u>		621	
C. Materials and supplies consumed (Include the cost of all purchased materials consumed.)		benefits, 401K plans, employers'			
C. Materials and supplies consumed (Include the cost of all purchased materials consumed.)		contribution to health plans.) Mark "X" if None	, 🗆		
C. Materials and supplies consumed (Include the cost of all purchased materials consumed.)					
C. Materials and supplies consumed (Include the cost of all purchased materials consumed.)		Amount reported	in 2003		
(Include the cost of all purchased materials consumed.)				631	
Amount reported in 2003 D. Depreciation on R&D property and equipment (Include depreciation and amortization costs for property and equipment used for R&D during the year.)		(Include the cost of all purchased	_		
D. Depreciation on R&D property and equipment (Include depreciation and amortization costs for property and equipment used for R&D during the year.)		materials consumed.) Mark "X" if None	.		
D. Depreciation on R&D property and equipment (Include depreciation and amortization costs for property and equipment used for R&D during the year.)			/	•	
D. Depreciation on R&D property and equipment (Include depreciation and amortization costs for property and equipment used for R&D during the year.)		Amount reported	in 2003		
equipment (Include depreciation and amortization costs for property and equipment used for R&D during the year.)		D. Depreciation on R&D property and	\times		
amortization costs for property and equipment used for R&D during the year.)		equipment			
amortization costs for property and equipment used for R&D during the year.)		(Include depreciation and			
Amount reported in 2003 E. All other R&D expenses (Include R&Ds share of company overhead and other expenses such as utilities, books and periodicals, and property and other taxes.) Mark "X" if None Amount reported in 2003 F. TOTAL (Add lines A through E. The sum should equal the total reported in 0, line D, column 3.) Mark "X" if None		amortization costs for property		641	
Amount reported in 2003 E. All other R&D expenses (Include R&Ds share of company overhead and other expenses such as utilities, books and periodicals, and property and other taxes.) Mark "X" if None Amount reported in 2003 F. TOTAL (Add lines A through E. The sum should equal the total reported in 4, line D, column 3.) Mark "X" if None		and equipment used for R&D			
(Include R&Ds share of company overhead and other expenses such as utilities, books and periodicals, and property and other taxes.) Mark "X" if None Amount reported in 2003 F. TOTAL (Add lines A through E. The sum should equal the total reported in ①, line D, column 3.) Mark "X" if None		during the year.)			
(Include R&Ds share of company overhead and other expenses such as utilities, books and periodicals, and property and other taxes.) Mark "X" if None Amount reported in 2003 F. TOTAL (Add lines A through E. The sum should equal the total reported in ①, line D, column 3.) Mark "X" if None					
(Include R&Ds share of company overhead and other expenses such as utilities, books and periodicals, and property and other taxes.) Mark "X" if None Amount reported in 2003 F. TOTAL (Add lines A through E. The sum should equal the total reported in 4, line D, column 3.) Mark "X" if None			in 2003		
overhead and other expenses such as utilities, books and periodicals, and property and other taxes.) Mark "X" if None Amount reported in 2003 F. TOTAL (Add lines A through E. The sum should equal the total reported in 4, line D, column 3.) Mark "X" if None		E. All other R&D expenses			
overhead and other expenses such as utilities, books and periodicals, and property and other taxes.) Mark "X" if None Amount reported in 2003 F. TOTAL (Add lines A through E. The sum should equal the total reported in ①, line D, column 3.) Mark "X" if None		(Include R&Ds share of company		651	
Amount reported in 2003 F. TOTAL (Add lines A through E. The sum should equal the total reported in ①, line D, column 3.) Mark "X" if None		overhead and other expenses such		001	
Amount reported in 2003 F. TOTAL (Add lines A through E. The sum should equal the total reported in 3, line D, column 3.) Mark "X" if None		as utilities, books and periodicals,	. \square		
F. TOTAL (Add lines A through E. The sum should equal the total reported in ②, line D, column 3.) Mark "X" if None		and property and other taxes.) Wark X II None			
F. TOTAL (Add lines A through E. The sum should equal the total reported in ②, line D, column 3.) Mark "X" if None		Amount von outed	:- 2002		
The sum should equal the total reported in 3 , line D, column 3.) Mark "X" if None			in 2003	001	
reported in 4, line D, column 3.) Mark "X" if None		F. TOTAL (Add lines A through E.			
		reported in 4 line D column 3) Mark "X" if None			
Amount reported in 2003		reported in G, into B, column c., Mark X in None			
Amount reported in 2003		Amount reported	in 2002		
		Alliount reported	111 2003		

A		2004		
10 A. What was the cost relating to total R&D p	erformed within			
your company in the 50 United States and	D.C. for the	Total funds	3	
following types of technologies during 20	04?	\$ Billions Millions	Thousands	
·		- J0110	····susurius	
 Biotechnology (The use of 				
scientific and engineering				
data and techniques for		7111		
the study and solution of		, , , , , , , , , , , , , , , , , , , ,		
problems concerning living			1 1	
organisms.) Mark "X	" if None			
Amount	reported in 2003			
2. Software development (The				
formulation of programs,				
applications, routines, etc.,				
for computers, excluding				
those used exclusively		7211		
for internal company				
operations.) Mark "X	" if None □			
operations.jwark A	II None			
Amount	reported in 2003			
	roportou in 2000			
3. Materials synthesis and				
processing (The use of				
scientific and engineering				
data and techniques		7311		
for the formulation and		76.1		
manipulation of new			1 1	
materials.) Mark "X	" if None $\;\square\;$		1 1	
— Amount	reported in 2003			
		7411		
			1 1	
4. Other areas <i>Mark "X</i>	" if None $\;\square\;$		1 1	
Amount	reported in 2003			
TOTAL (Add lines 1 through		7511		
4. The sum should equal the		7511		
total reported in 4, line D,				
column 3.) Mark "X	" if None □			
Amount	reported in 2003			

If no Nun	ot shov nber (II	wn, please enter your 11- D) from the mailing addre	digit Identification			
1	nar 200 ma nar	nat percentage of the R&D contechnology for each of the D4? (Nanotechnology is definiterials, devices, and system nometer scale, at the level of 100 papers of the scale of th	e following types of tec ned as the creation and s through the control of	chnologies durin d utilization of of matter on the	g 2004	
	το	100 nanometers.)			percents	
					7112	
	1.	Biotechnology	Mark	"X" if None \Box	%	
			—— <u>Атог</u>	mt reported in 200	3 %	
			7 WHOC	mic reported in 200	7212	
	2.	Software development	<i>Mark</i>	"X" if None □	%	
		·			%	
			<u>Amou</u>	ınt reported in 200	7312	
	2	Matariala armthasia and mus		V :f N	%	
	3.	Materials synthesis and pro	cess	"X" IT None		
			- Amou	mt reported in 200		
					7412	
	4.	Other areas	Mark	"X" if None □	%	
			- Amou	ınt reported in 200	3 %	
_						1 D O 1 1 20042
W		was the cost of the R&D you e report Federally funded an			U United States a	and D.C during 2004?
			2004			
	Line No.	State	(1) Federal funds		(2) Total funds	
		State		housands \$ Billions		usands
			9011	9012		
	1	Alabama				
		Amount reported in 2003				
		· ·	9021	9022		
	2	Alaska				
		Amount reported in 2003				
			9031	9032		
	3	Arizona				
		Amount reported in 2003	9041	9042		
	4	Arkanaga				
	4	Arkansas				
		Amount reported in 2003	9051	9052		
				3032		
	5	California				
		Amount reported in 2003				
			CONTINUE WIT	TH 1 ON PAGE 10		

	e report R&D performed for		2004					
ine			(1)			(2)		
lo.	State	F	ederal fund	ds		Total funds	•	/
		\$ Billions	Millions	Thousands	\$ Billions	Millions	Thousands	
		9061			9062			
			1 1					
6	Colorado							
	Amount reported in 2003							
	Amount reported in 2003	9071			9072			
			1 1				/	
7	Connecticut				1 1			
	Amount reported in 2003							
		9081			9082		/	
8	Delaware							
Ŭ	Bolawaro							
	Amount reported in 2003							
		9091			9092		,	
	D:	' '	1 1					
9	District of Columbia							
	Amount reported in 2003							
	7 inoditi Toported III 2003	9101			9102			
10	Florida							
				X				
	Amount reported in 2003	9111		$\overline{}$	9112			
		9111			9112			
11	Georgia					1 1	1 1	
	Amount reported in 2003							
		9121	/		9122		1	
12	Hawaii							
12	Ilawaii							
	Amount reported in 2003							
		9131		, , ,	9132			
	/		1 1			' '	' '	
13	Idaho							
	Amount reported in 2003							
	7 illiount reported in 2005	9141			9142			
	/	l l						
14	Illinois							
	. /							
	Amount reported in 2003	0151			0152			
		9151			9152			
15	Indiana		1 1		1 1	1 1		
/	Amount reported in 2003							

If not shown, please enter your 11-digit Identification Number (ID) from the mailing address.

			2004					
ine			(1)			(2)		
lo.	State	Fe	ederal fund	ls		Total funds	3	
		\$ Billions	Millions	Thousands	i ı	Millions	Thousands	
		9161			9162		1	
16	lowa			1 1	1 1	1 1		
	Amount reported in 2003							
		9171			9172			
17	Kansas							
	Amount reported in 2003							
		9181			9182			
8	Kentucky		<u> </u>					
	·							
	Amount reported in 2003							
		9191			9192			
19	Louisiana							
	Amount reported in 2003							
		9201			9202			
20	Maine							
	Amount reported in 2003			\triangle				
		9211	/		9212			
		1 1						
21	Maryland							
	Amount reported in 2003							
		9221			9222			
				1 1	' '	1 1		
22	Massachusetts							
	Amount reported in 2003							
	/	9231			9232			
				' '		· · · · \	(' '	
23	Michigan							
	Amount reported in 2003							
		9241			9242			
	N4:			, ,				
24	Minnesota							
	. /							
	Amount reported in 2003	0054			0050			
		9251			9252			
25	Missississ.							
25	Mississippi							
/	Amount reported in 2003							

	e report R&D performed for		2004	-				
ne			(1)			(2)		
9.	State	F	ederal fund	1	 	Total funds		/
		\$ Billions	Millions	Thousands	\$ Billions	Millions	Thousands	
		9261			9262			
							1 1	
6	Missouri							
	Amount reported in 2003							
	7 miodit reported in 2000	9271			9272			
		1 1			1 1		_	
27	Montana							
	Amount reported in 2003	9281			9282			
		9281			9282	/		
28	Nebraska	1 1			1 1		1 1	
	\							
	Amount reported in 2003							
		929		1	9292	/		
29	Nevada							
29	Nevaua							
	Amount reported in 2003	\						
	'	9301			9302			
30	New Hampshire							
	Amount reported in 2003							
	Amount reported in 2003	9311		$\overline{\lambda}$	9312			
					1 1			
31	New Jersey		/_					
	Amount reported in 2003	9321	/		9382			
		9321			93.2			
32	New Mexico		1 1					
	Amount reported in 2003				\	\		
	/	9331			9332			
33	New York			1 1				
	Amount reported in 2003					\		
		9341			9342	1		
34	North Carolina							
J4	INOITH Carollila							
	Amount reported in 2003							
		9351			9352			
		1 1		1 1		1 1		
35	Morth Dakota							
	Amount reported in 2003							
/	Amount reported in 2003							

If not shown, please enter your 11-digit Identification Number (ID) from the mailing address.

State				2004					
State Federal funds Total funds State State	ine			(1)			(2)		/
36 Ohio	N9.	State	F	ederal fund	ds		Total funds	;	
36 Ohio			\$ Billions	Millions	Thousands	\$ Billions	Millions	Thousands	
36 Ohio			9361	1		9362			
Amount reported in 2003 37 Oklahoma. Amount reported in 2003 38 Oregon. Amount reported in 2003 39 Pennsylvania. Amount reported in 2003 40 Rhode Island. Amount reported in 2003 41 South Carolina. Amount reported in 2003 42 South Dakota. Amount reported in 2003 43 Tennessee. Amount reported in 2003 44 Texas. Amount reported in 2003 44 Texas. Amount reported in 2003 44 Texas. Amount reported in 2003	36	Ohio							
37 Oklahoma	30								
37 Oklahoma		Amount reported in 2003							
37 Oklahoma			9371	i	l I	9372	i		
Amount reported in 2003 38 Oregon	27	Oklohomo							
38 Oregon	3/	Okianoma							
38 Oregon		Amount reported in 2003							
38 Oregon			9381	1		9382			
Amount reported in 2003 Pennsylvania	20	Orogon	, ' '	1 1					
9391 9392 Amount reported in 2003 40 Rhode Island	JÖ	Oregon							
9391 9392 Amount reported in 2003 40 Rhode Island		Amount reported in 2003							
Amount reported in 2003 40 Rhode Island			9391			9392			
Amount reported in 2003 40 Rhode Island Amount reported in 2003 41 South Carolina Amount reported in 2003 42 South Dakota Amount reported in 2003 43 Tennessee Amount reported in 2003 44 Texas Amount reported in 2003 44 Amount reported in 2003	20	Ponnsylvania					1 1		
40 Rhode Island Amount reported in 2003 9411 9412 41 South Carolina Amount reported in 2003 9421 9422 42 South Dakota Amount reported in 2003 9431 9431 9432 43 Tennessee Amount reported in 2003 9441 9442 44 Texas Amount reported in 2003	39	Pennsylvania							
Amount reported in 2003 42 South Dakota		Amount reported in 2003							
Amount reported in 2003 41 South Carolina			9401		, /	9402			
Amount reported in 2003 41 South Carolina	40	Phodo Island							
41 South Carolina Amount reported in 2003 9421 42 South Dakota Amount reported in 2003 9431 9432 43 Tennessee Amount reported in 2003 9441 9442 44 Texas Amount reported in 2003	40	Miloue Island							
41 South Carolina Amount reported in 2003 42 South Dakota Amount reported in 2003 43 Tennessee Amount reported in 2003 44 Texas Amount reported in 2003		Amount reported in 2003							
41 South Carolina Amount reported in 2003 42 South Dakota Amount reported in 2003 43 Tennessee Amount reported in 2003 9431 9432 44 Texas Amount reported in 2003 9441 9442 44 Texas			9411		\	9412			
Amount reported in 2003 42 South Dakota Amount reported in 2003 43 Tennessee Amount reported in 2003 9431 9432 44 Texas Amount reported in 2003	/ 11	South Carolina							
42 South Dakota	71								
42 South Dakota Amount reported in 2003 43 Tennessee Amount reported in 2003 9441 44 Texas		Amount reported in 2003							
Amount reported in 2003 43 Tennessee			9421		1	9422			
Amount reported in 2003 43 Tennessee	42	South Dakota							
43 Tennessee	72	/							
43 Tennessee		Amount reported in 2003							
Amount reported in 2003 9441 9442 Amount reported in 2003			9431			9432			
Amount reported in 2003 9441 9442 Amount reported in 2003	43	Tennessee /							
44 Texas	.5								
44 Texas		Amount reported in 2003							
Amount reported in 2003			9441			9442			
Amount reported in 2003	44	Texas.							
9451		Amount reported in 2003							
	/		9451			9452			
45 Utah	45	Utah							
Amount reported in 2003		Amount reported in 2003							

			2004					
Line			(1)			(2)		
No.	State	Federal funds				Total funds	5	
		\$ Billions	Millions	Thousands	\$ Billions	Millions	Thousands	
		9461			9462			
46	Vermont							
	Amount reported in 2003	9471			9472			
		9471			9472			
47	Virginia							
,,								
	Amount reported in 2003				/			
		9481			9482			
48	Washington							
	Amount reported in 2003	9491		$\overline{}$	9492			
		3431			3432			
49	West Virginia			1 1		1 1	1 1	
	Amount reported in 2003							
		9501			9502			
Ε0	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\							
50	Wisconsin							
	Amount reported in 2003							
	2000	9511			9512			
51	Wyoming							
	A /							
	Amount reported in 2003							
	TOTAL (Add lines 1 through 51. The sum	9541			9542			
/	should equal the totals reported in 4 , line D,							
	reported in 4 , line D, columns 1 and 3.)							

	_						
If not shown, please enter your 11-digit Identification Number (ID) from the mailing address.							
What was the cost of the energy-related R&D your comperformed in the 50 United States and D.C. during 2004	pany 1?						
(Include the portion of project cost incurred for the pur	pose	e 2004					
of increasing energy resources or capabilities for each	•	(1)					
source of funding. These expenditures should also be included as part of the information reported in 4 , line	D	Federal funds			Total funds		
columns 1 and 3:	υ,	\$ Billions	Millions	Thousands	\$ Billions	Millions	Thousands
		10211			10212		
A. Fossil fuels Mark "X" if no fossil fuel R&D							
was performed							
A see a seemal s	2002						
Amount reported in	2003	10311	/		10312		
B. Geothermal and solar Mark "X" if no geothermal or		10311			10312		
solar R&D was performed			1 1				1 1
Amount reported in	2003						
		10111			10112		, ,
C. Nuclear Mark "X" no nuclear R&D			1 1		1 1		1 1
was performed							
Amount reported in	2002						
	2003	10411	$\overline{}$		10412		
D. All other energy sources Mark "X" if no energy R&D		10411			10412		
was performed					1 1		1 1
Amount reported in	2003						
/		10511			10512	1	
E. TOTAL (Add lines Athrough D.) Mark "X" if None			' '				' '
tunough Biji i i mank it in none							
Amount reported in	2003						

What was the cost of the R&D performed by your company in the 50 United States and D.C. company-funded in collaboration with the type of R&D partner listed below during 2004? (These expenditures should also be included as part of the information reported in 4, line D, column 2.)	2004 Company and other nonfederal funds \$ Billions Millions Thousands
A. For-profit companies Mark "X" if None	
Amount reported in 2003	1102
B. Federal agencies or laboratories <i>Mark "X" if None</i>	
Amount reported in 2003	0000
C. State government agencies or laboratories	
Amount reported in 2003	4400
D. Universities or colleges	1103
Amount reported in 2003	
E. Other nonprofit organizations Mark "X" if None	1104
Amount reported in 2003	
F. FOTAL (Add lines A through E.) Mark "X" if None	1110
Amount reported in 2003	

If not shown, please enter your 11-digit Identification Number (ID) from the mailing address.					
1	١.	Do th	ne R idia	&D expenditures reported on this form cover the entire fully consolidated enterprise, including all ries, affiliates, or branches located in the 50 United States and D.C.? (Mark "X" only ONE box.)	
		1301		Yes	
		0000		No - Please explain in © .	
E	3.	Was	you	r company publicly or privately owned? (Mark "X" only ONE box.)	
		1302		Rublicly owned	
		0000		Privately owned	
		0000		Other - Rlease describe 7	
		0000			
(and	D.C	an the parent company, how many subsidiaries, affiliates, or branches located in the 50 United States . owned or controlled by your company (by means of voting stock or other equivalent interest) are in this report? (Mark "X" only ONE box.)	
		1303		None	
		1304		1	
		1305		2-5	
		1306		More than 5	
) .	Othe	r tha	an the parent company, how many subsidiaries, affiliates, or branches located outside the 50 United	
		Stat	es a	and D.C. owned or controlled by your company (by means of voting stock or other equivalent interest) ded in this report? (Mark "X" only ONE box.	
		1307		None	
		1308		1	
		1309		2-5	
		1310		More than 5	
E	Ξ.	Wha	t pe or m	rcent of your company was owned or controlled (by means of voting stock or other equivalent interest) by nore companies located in the 50 United States and D.C.? (Mark "X" only ONE box.)	
		1311		0% - No ownership	
		1312		More than 0% but less than 10% ownership	
		1313		10%-50% ownership	
		1314		More than 50% ownership	
F	•.	Wha	t pe	rcent of your company was owned or controlled (by means of voting stock or other equivalent interest) by ore companies located outside the 50 United States and D.C.? (Mark "X" only ONE box.)	
		1315	\mathbb{Z}	0% ownership	
		1816		More than 0% but less than 10% ownership	
	/	1317		10%-50% ownership	
		1318		More than 50% ownership	

Form RD-1A (DRAFT) Page 18 15 REPORTING PERIOD AND CONTACT INFORMATION A. Is the time period covered by this report a calendar year? 0078 Yes Month Year Month Year TO 0071 B. Are your company's R&D records and data in a central location? 0000 Yes 0000 ☐ No - How many locations? -C. Did more than one person complete this form? No - How many? 0073 Title Name of person to contact regarding this report Area code Number Extension Area code Number Telephone Fax 0074 0075 Year Month Day 0076 Internet e-mail address Date completed 0069 REMARKS (Please use this space for any explanations that may help us in understanding your reported data.) Thank you for completing your 2004 SURVEY OF INDUSTRIAL RESEARCH AND

DEVELOPMENT form.

PLEASE PHOTOCOPY THIS FORM FOR YOUR RECORDS AND RETURN THE ORIGINAL.