Science and Engineering Profile: Montana

Characteristic	State	U.S.	Rank	Characteristic	State	U.S.	Rank
Doctoral scientists, 2001[1]	1,730	542,940	47	Total R&D performance, 2000 (millions)	$170	$244,855	48
Doctoral engineers, 2001[1]	100	112,770	49	Industry R&D, 2000 (millions)	$28	$187,544	49
S&E doctorates awarded, 2001[1]	42	25,509	48	Academic R&D, 2001 (millions)	$108	$32,716	43
of which, in life sciences	36%	26%		of which, in life sciences	61%	59%	
in physical sciences	24%	13%		in physical sciences	12%	9%	
in psychology	17%	13%		in engineering	11%	15%	
S&E postdoctorates, 2001[1]				Public higher education current-fund			
in doctorate-granting institutions	98	42,899	39	expenditures, 2000 (millions)	$508	$152,068	44
S&E graduate students, 2001[1]				Number of SBIR awards, 1999-2001	71	13,650	28
in doctorate-granting institutions	1,259	452,411	47	Utility patents issued to state residents, 2001	145	87,605	44
Population, 2002 (thousands)	909	292,228	45	Gross state product, 2000 (billions)	$22	$10,003	49
Civilian labor force, 2002 (thousands)	464	146,712	45	of which, agriculture	4%	1%	
				manufacturing, mining, construction	17%	22%	
Personal income per capita, 2001	$23,963	$30,472	47	transportation, communication, utilities	12%	8%	
				wholesale and retail trade	16%	16%	
Federal spending				finance, insurance, real estate	14%	19%	
Total expenditures, 2001 (millions)	$6,618	$1,753,011	45	services	21%	22%	
R&D obligations, 2001 (millions)	$137	$78,006	45	government	16%	12%	

[1]Data on graduate students, doctoral scientists, doctoral engineers, and postdoctorates include all graduate degree (except M.D.) candidates and recipients in S&E fields, including health Data on S&E doctorates awarded do not include health fields.

NOTES: Rankings and totals are based on data for the 50 States, District of Columbia, and Puerto Rico. Reliability of the estimates of industry R&D and of doctoral scientists and engineers varies by State, because the sample allocation was not based on geography. The rankings do not take into account the margin of error of estimates from sample surveys.

Federal Obligations for Research and Development by Agency and Performer: Montana, Fiscal Year 2001

Agency	Performer							State rank, total
	Total	Federal intramural	All FFRDCs	Industrial firms	Universities & colleges	Other nonprofits	State & local government	
	[In thousands of dollars]							
Total, all agencies	136,825	44,039	0	11,802	60,772	17,202	3,010	45
Department of Agriculture	26,349	14,396	0	24	9,889	2,040	0	29
Department of Commerce	1,437	129	0	0	847	461	0	42
Department of Defense	18,420	8,989	0	4,886	4,545	0	0	46
Department of Energy	2,179	0	0	418	1,137	624	0	45
Dept. of Health & Human Services	44,144	14,415	0	2,386	16,475	9,868	1,000	44
Department of the Interior	7,595	5,913	0	0	1,348	0	334	17
Department of Transportation	2,234	0	0	0	739	0	1,495	37
Environmental Protection Agency	3,297	0	0	140	2,976	0	181	25
National Aeronautics and Space Admin	15,822	197	0	2,103	12,525	997	0	30
National Science Foundation	15,348	0	0	1,845	10,291	3,212	0	41
State rank, total	45	35	na	46	43	31	40	na

KEY: FFRDC = federally funded research and development center; SBIR = small business innovation research; na = not applicable.

NOTES: Federal R&D obligations are as reported by funding agencies. Ranks and totals are based on data for the 50 States, District of Columbia, and Puerto Rico.

SOURCES: Prepared by the National Science Foundation/Division of Science Resources Statistics. Data compiled from numerous sources -- see the section, "Data Sources for Science and Engineering (S&E) State Profiles".