Science and engineering profile: Montana

Characteristic	State	U.S.	Rank
Doctoral scientists, 2003	2,170	566,330	44
Doctoral engineers, 2003	230 **	118,540	47
S&E doctorates awarded, 2004	59	26,275	44
Life sciences (percent)	56	27	na
Physical sciences (percent)	24	13	na
Psychology (percent)	10	13	na
S&E and health postdoctorates in doctorate-granting institutions, 2003	105	46,807	42
S&E and health graduate students in doctorate-granting institutions, 2003	1,445	507,247	47
Population, 2004 (thousands)	927	297,550	45
Civilian labor force, 2004 (thousands)	483	148,769	45
Personal income per capita, 2004 (dollars)	27,666	33,041	41
Federal spending			
Total expenditures, 2003 (millions of dollars)	7,092	2,024,246	47
R&D obligations, 2003 (millions of dollars)	130	91,359	47
Total R&D performance, 2003 (millions of dollars)	247	277,577	49
Industry R&D, 2003 (millions of dollars)	65	198,244	49
Academic R&D, 2003 (millions of dollars)	141	40,055	42
Life sciences (percent)	58	59	na
Physical sciences (percent)	11	8	na
Engineering (percent)	10	15	na
Number of SBIR awards, 1999–2004	166	31,847	28
Utility patents issued to state residents, 2004	119	84,268	44
Gross state product, 2004 (billions of dollars)	27	11,744	49

**Coefficient of variation 25% or greater; na = not applicable; S&E = science and engineering; SBIR = small business innovation research.

NOTES: Rankings and totals are based on data for the 50 states, District of Columbia, and Puerto Rico. Reliability of estimates of industry R&D and of doctoral scientists and engineers varies by state, because sample allocation was not based on geography. Rankings do not take into account the margin of error of estimates from sample surveys. Data on doctoral scientists and engineers include only recipients of doctoral degrees from U.S. institutions in S&E and health fields. The field percentages represent the largest three fields within the state.

Federal obligations for research and development, by agency and performer: Montana, FY 2003

(Thousands of dollars)

	Performer							
Agency	Total	Federal intramural	All FFRDCs	Industrial firms	Universities and colleges	Other nonprofits	State and local government	Rank
All agencies	129,548	28,765	0	10,421	70,799	12,384	7,179	47
Department of Agriculture	30,225	14,773	0	7	12,917	2,528	0	25
Department of Commerce	87	35	0	0	52	0	0	51
Department of Defense	14,063	1,367	0	5,879	6,817	0	0	47
Department of Energy	2,477	0	0	255	1,653	569	0	46
Department of Health and Human Services	47,938	7,626	0	959	29,533	8,798	1,022	43
Department of the Interior	6,192	4,869	0	0	840	0	483	21
Department of Transportation	1,722	0	0	0	176	0	1,546	41
Environmental Protection Agency	182	0	0	0	0	0	182	48
National Aeronautics and Space Administration	9,650	95	0	1,036	7,060	489	970	36
National Science Foundation	17,012	0	0	2,285	11,751	0	2,976	40
Rank	47	45	na	46	44	32	16	na

FFRDC = federally funded research and development center.

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.