Science and engineering profile: Alaska

Characteristic	State	U.S.	Rank
Doctoral scientists, 2003	1,250 *	566,330	49
Doctoral engineers, 2003	80 **	118,540	51
S&E doctorates awarded, 2004	18	26,275	52
Life sciences (percent)	33	27	na
Environmental sciences (percent)	28	3	na
Engineering (percent)	17	22	na
S&E and health postdoctorates in doctorate-granting institutions, 2003	0	46,807	52
S&E and health graduate students in doctorate-granting institutions, 2003	572	507,247	52
Population, 2004 (thousands)	655	297,550	48
Civilian labor force, 2004 (thousands)	333	148,769	50
Personal income per capita, 2004 (dollars)	34,085	33,041	17
Federal spending			
Total expenditures, 2003 (millions of dollars)	7,944	2,024,246	45
R&D obligations, 2003 (millions of dollars)	246	91,359	39
Total R&D performance, 2003 (millions of dollars)	321	277,577	48
Industry R&D, 2003 (millions of dollars)	36	198,244	51
Academic R&D, 2003 (millions of dollars)	141	40,055	43
Environmental sciences (percent)	53	5	na
Life sciences (percent)	18	59	na
Sciences, nec (percent)	10	2	na
Number of SBIR awards, 1999–2004	19	31,847	51
Utility patents issued to state residents, 2004	39	84,268	51
Gross state product, 2004 (billions of dollars)	34	11,744	47

*Coefficient of variation greater than 10% but less than 25%; **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: Alaska, 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	246,021	130,626	0	23,825	72,498	13,395	5,677	39
Department of Agriculture	53,000	46,439	0	0	6,348	86	127	11
Department of Commerce	32,218	18,312	0	557	7,965	4,736	648	8
Department of Defense	72,922	44,294	0	14,717	13,911	0	0	36
Department of Energy	9,586	0	0	5,400	3,869	0	317	34
Department of Health and Human Services	14,824	2,425	0	536	7,763	1,754	2,346	51
Department of the Interior	24,488	18,027	0	1,742	3,565	1,115	39	5
Department of Transportation	2,471	0	0	271	0	0	2,200	36
Environmental Protection Agency	0	0	0	0	0	0	0	na
National Aeronautics and Space Administration	12,244	1,129	0	0	10,520	595	0	32
National Science Foundation	24,268	0	0	602	18,557	5,109	0	29
Rank	39	26	na	41	43	31	23	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.