

Table II-1. R&D in the FY 2002 Budget by Agency and Character of Work

**Table II-1.** R&D in the FY 2002 Budget by Agency and Character of Work  
(budget authority in millions of dollars)

	FY 2000	FY 2001	FY 2002	Change FY 01-02	
	Actual	Estimate	Budget	Amount	Percent
<b>TOTAL R&amp;D (Conduct of R&amp;D and R&amp;D Facilities)</b>					
Defense (military) <sup>1</sup>	39,959	42,258	<b>45,855</b>	3,597	8.5%
<i>S&amp;T (6.1-6.3 + medical)</i>	8,603	9,392	<b>9,589</b>	197	2.1%
<i>All Other DOD R&amp;D</i>	31,356	32,866	<b>36,266</b>	3,400	10.3%
Health and Human Services	18,182	20,859	<b>23,496</b>	2,637	12.6%
<i>Nat'l Institutes of Health</i>	17,234	19,710	<b>22,395</b>	2,685	13.6%
NASA	9,494	9,925	<b>9,967</b>	41	0.4%
Energy	6,956	7,744	<b>7,399</b>	-346	-4.5%
Nat'l Science Foundation	2,931	3,279	<b>3,226</b>	-52	-1.6%
Agriculture	1,776	1,961	<b>1,803</b>	-158	-8.1%
Commerce	1,174	1,201	<b>1,110</b>	-91	-7.6%
<i>NOAA</i>	643	726	<b>772</b>	47	6.4%
<i>NIST</i>	471	421	<b>313</b>	-108	-25.7%
Interior	618	631	<b>593</b>	-39	-6.1%
Transportation	607	747	<b>798</b>	51	6.8%
Environ. Protection Agency	558	609	<b>569</b>	-40	-6.5%
Veterans Affairs	645	703	<b>722</b>	19	2.7%
Education	238	265	<b>259</b>	-6	-2.3%
Int'l Assistance Programs	200	216	<b>206</b>	-10	-4.6%
Smithsonian	114	118	<b>118</b>	0	0.0%
Labor	16	22	<b>13</b>	-9	-40.9%
Nuclear Reg. Comm.	53	50	<b>67</b>	17	34.0%
Corps of Engineers	48	60	<b>46</b>	-14	-23.3%
Housing and Urban Dev.	45	54	<b>43</b>	-11	-20.4%
Justice	73	90	<b>74</b>	-16	-17.8%
Social Security	25	42	<b>42</b>	0	0.0%
Postal Service	42	45	<b>46</b>	1	2.2%
Treasury	14	7	<b>8</b>	1	14.3%
<b>Total R&amp;D</b>	<b>83,769</b>	<b>90,887</b>	<b>96,459</b>	<b>5,572</b>	<b>6.1%</b>
Defense R&D	43,160	45,757	<b>49,397</b>	3,639	8.0%
Nondefense R&D	40,609	45,130	<b>47,062</b>	1,933	4.3%

(continued)

Table II-1. R&D in the FY 2002 Budget by Agency and Character of Work

**Table II-1 (continued).** R&D in the FY 2002 Budget by Agency and Character of Work  
(budget authority in millions of dollars)

	FY 2000 Actual	FY 2001 Estimate	FY 2002 Budget	Change FY 01-02	
				Amount	Percent
<b>BASIC RESEARCH</b>					
<b>(Please see Chapter 3 for a discussion of these data)</b>					
Defense (military) <sup>1</sup>	1,136	1,317	<b>1,345</b>	28	2.1%
Health and Human Services	10,099	11,537	<b>12,973</b>	1,436	12.4%
<i>Nat'l Institutes of Health</i>	<i>10,097</i>	<i>11,535</i>	<i><b>12,971</b></i>	<i>1,436</i>	<i>12.4%</i>
NASA	2,148	2,556	<b>2,466</b>	-90	-3.5%
Energy	2,263	2,372	<b>2,347</b>	-25	-1.1%
Nat'l Science Foundation	2,540	2,796	<b>2,799</b>	3	0.1%
Agriculture	684	742	<b>717</b>	-25	-3.4%
Commerce	39	42	<b>40</b>	-2	-4.3%
NOAA	0	0	<b>0</b>	0	- -
NIST	39	42	<b>40</b>	-2	-4.3%
Interior	52	57	<b>54</b>	-3	-5.1%
Transportation	10	17	<b>21</b>	4	23.4%
Environ. Protection Agency	58	105	<b>98</b>	-7	-6.7%
Veterans Affairs	266	290	<b>304</b>	14	4.8%
Education	2	2	<b>2</b>	0	0.0%
Int'l Assistance Programs	42	51	<b>49</b>	-2	-3.9%
Smithsonian	103	105	<b>102</b>	-3	-2.9%
Labor	2	2	<b>2</b>	0	0.0%
Corps of Engineers	3	3	<b>3</b>	0	0.0%
Justice	20	20	<b>21</b>	1	5.0%
<b>Total BASIC RESEARCH</b>	<b>19,468</b>	<b>22,014</b>	<b>23,343</b>	<b>1,329</b>	<b>6.0%</b>
Defense	1,181	1,369	<b>1,397</b>	27	2.0%
Nondefense	18,287	20,644	<b>21,946</b>	1,302	6.3%

(continued)

Table II-1. R&D in the FY 2002 Budget by Agency and Character of Work

**Table II-1 (continued).** R&D in the FY 2002 Budget by Agency and Character of Work  
(budget authority in millions of dollars)

	FY 2000	FY 2001	FY 2002	Change FY 01-02	
	Actual	Estimate	Budget	Amount	Percent
<b>APPLIED RESEARCH</b>					
<b>(Please see Chapter 3 for a discussion of these data)</b>					
Defense (military; incl. Med.) <sup>1</sup>	3,704	4,076	<b>4,169</b>	93	2.3%
Health and Human Services	7,787	9,038	<b>10,073</b>	1,035	11.5%
<i>Nat'l Institutes of Health</i>	<i>6,896</i>	<i>7,943</i>	<i><b>9,017</b></i>	<i>1,074</i>	<i>13.5%</i>
NASA	1,542	1,688	<b>1,811</b>	124	7.3%
Energy	1,886	2,224	<b>2,127</b>	-98	-4.4%
Nat'l Science Foundation	184	220	<b>218</b>	-2	-0.9%
Agriculture	834	922	<b>829</b>	-93	-10.1%
Commerce	857	953	<b>947</b>	-6	-0.6%
NOAA	601	692	<b>741</b>	49	7.1%
NIST	239	254	<b>199</b>	-55	-21.6%
Interior	520	537	<b>503</b>	-34	-6.3%
Transportation	397	460	<b>509</b>	49	10.5%
Environ. Protection Agency	387	370	<b>345</b>	-26	-6.9%
Veterans Affairs	367	399	<b>403</b>	4	1.0%
Education	151	165	<b>167</b>	2	1.2%
Int'l Assistance Programs	152	162	<b>154</b>	-8	-4.9%
Smithsonian	0	0	<b>0</b>	0	- -
Labor	14	20	<b>11</b>	-9	-45.0%
Nuclear Reg. Comm.	53	50	<b>67</b>	17	34.0%
Corps of Engineers	20	14	<b>14</b>	0	0.0%
Housing and Urban Dev.	45	54	<b>43</b>	-11	-20.4%
Justice	26	38	<b>20</b>	-18	-47.4%
Social Security	25	42	<b>42</b>	0	0.0%
Treasury	6	7	<b>7</b>	0	0.0%
<b>Total APPLIED RESEARCH</b>	<b>18,957</b>	<b>21,439</b>	<b>22,458</b>	<b>1,019</b>	<b>4.8%</b>
Defense	5,104	5,725	<b>5,905</b>	180	3.1%
Nondefense	13,852	15,714	<b>16,553</b>	839	5.3%

(continued)

Table II-1. R&amp;D in the FY 2002 Budget by Agency and Character of Work

**Table II-1 (continued).** R&D in the FY 2002 Budget by Agency and Character of Work  
(budget authority in millions of dollars)

	FY 2000	FY 2001	FY 2002	Change FY 01-02	
	Actual	Estimate	Budget	Amount	Percent
<b>Total RESEARCH (basic + applied)</b>					
<b>(Please see Chapter 3 for a discussion of these data)</b>					
Defense (military; incl. Med.) <sup>1</sup>	4,840	5,393	<b>5,514</b>	121	2.2%
Health and Human Services	17,886	20,575	<b>23,046</b>	2,471	12.0%
<i>Nat'l Institutes of Health</i>	16,993	19,478	<b>21,988</b>	2,510	12.9%
NASA	3,690	4,243	<b>4,277</b>	34	0.8%
Energy	4,149	4,597	<b>4,474</b>	-123	-2.7%
Nat'l Science Foundation	2,724	3,016	<b>3,017</b>	1	0.0%
Agriculture	1,518	1,664	<b>1,546</b>	-118	-7.1%
Commerce	896	995	<b>987</b>	-8	-0.8%
NOAA	601	692	<b>741</b>	49	7.1%
NIST	278	296	<b>239</b>	-57	-19.2%
Interior	572	594	<b>557</b>	-37	-6.2%
Transportation	407	477	<b>530</b>	53	11.0%
Environ. Protection Agency	445	475	<b>442</b>	-33	-6.9%
Veterans Affairs	633	689	<b>707</b>	18	2.6%
Education	153	167	<b>169</b>	2	1.2%
Int'l Assistance Programs	194	213	<b>203</b>	-10	-4.7%
Smithsonian	103	105	<b>102</b>	-3	-2.9%
Labor	16	22	<b>13</b>	-9	-40.9%
Nuclear Reg. Comm.	53	50	<b>67</b>	17	34.0%
Corps of Engineers	23	17	<b>17</b>	0	0.0%
Housing and Urban Dev.	45	54	<b>43</b>	-11	-20.4%
Justice	46	58	<b>41</b>	-17	-29.3%
Social Security	25	42	<b>42</b>	0	0.0%
Treasury	6	7	<b>7</b>	0	0.0%
<b>Total RESEARCH</b>	<b>38,425</b>	<b>43,453</b>	<b>45,801</b>	<b>2,349</b>	<b>5.4%</b>
Defense	6,286	7,094	<b>7,302</b>	208	2.9%
Nondefense	32,139	36,358	<b>38,499</b>	2,141	5.9%

(continued)

Table II-1. R&amp;D in the FY 2002 Budget by Agency and Character of Work

**Table II-1 (continued).** R&D in the FY 2002 Budget by Agency and Character of Work  
(budget authority in millions of dollars)

	FY 2000 Actual	FY 2001 Estimate	FY 2002 Budget	Change FY 01-02	
				Amount	Percent
<b>DEVELOPMENT</b>					
Defense (military) <sup>1</sup>	35,022	36,685	<b>40,157</b>	3,472	9.5%
<i>S&amp;T (6.3 Development)</i>	3,767	3,999	<b>4,082</b>	83	2.1%
<i>All Other DOD Develop.</i>	31,255	32,686	<b>36,075</b>	3,389	10.4%
Health and Human Services	44	39	<b>28</b>	-11	-28.2%
<i>Nat'l Institutes of Health</i>	0	0	<b>0</b>	0	--
NASA	2,716	2,696	<b>2,755</b>	60	2.2%
Energy	1,907	2,094	<b>1,855</b>	-239	-11.4%
Nat'l Science Foundation	0	0	<b>0</b>	0	--
Agriculture	111	120	<b>124</b>	4	3.3%
Commerce	131	145	<b>72</b>	-73	-50.3%
<i>NOAA</i>	19	24	<b>19</b>	-5	-22.0%
<i>NIST</i>	70	74	<b>36</b>	-38	-50.8%
Interior	29	32	<b>30</b>	-2	-6.2%
Transportation	186	255	<b>250</b>	-5	-1.9%
Environ. Protection Agency	92	100	<b>93</b>	-7	-7.2%
Veterans Affairs	12	14	<b>15</b>	1	7.1%
Education	85	98	<b>90</b>	-8	-8.2%
Int'l Assistance Programs	6	3	<b>3</b>	0	0.0%
Corps of Engineers	15	10	<b>10</b>	0	0.0%
Justice	27	32	<b>33</b>	1	3.1%
Postal Service	42	45	<b>46</b>	1	2.2%
<b>Total Development</b>	40,425	42,367	<b>45,561</b>	3,195	7.5%
Defense	36,292	38,014	<b>41,457</b>	3,443	9.1%
Nondefense	4,133	4,353	<b>4,104</b>	-249	-5.7%

(continued)

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**Table II-1 (continued).** R&D in the FY 2002 Budget by Agency and Character of Work  
(budget authority in millions of dollars)

	FY 2000 Actual	FY 2001 Estimate	FY 2002 Budget	Change FY 01-02 Amount Percent	
<b>Total CONDUCT OF R&amp;D (basic + applied research, development)</b>					
Defense (military) <sup>1</sup>	39,862	42,078	<b>45,671</b>	3,593	8.5%
<i>S&amp;T (6.1-6.3 + medical)</i>	8,603	9,392	<b>9,589</b>	197	2.1%
<i>All Other DOD Conduct</i>	31,259	32,686	<b>36,082</b>	3,396	10.4%
Health and Human Services	17,930	20,614	<b>23,074</b>	2,460	11.9%
<i>Nat'l Institutes of Health</i>	16,993	19,478	<b>21,988</b>	2,510	12.9%
NASA	6,405	6,939	<b>7,033</b>	94	1.4%
Energy	6,057	6,690	<b>6,329</b>	-362	-5.4%
Nat'l Science Foundation	2,724	3,016	<b>3,017</b>	1	0.0%
Agriculture	1,629	1,784	<b>1,670</b>	-114	-6.4%
Commerce	1,027	1,140	<b>1,059</b>	-81	-7.1%
<i>NOAA</i>	620	716	<b>759</b>	44	6.1%
<i>NIST</i>	348	370	<b>276</b>	-94	-25.5%
Interior	601	625	<b>587</b>	-39	-6.2%
Transportation	594	732	<b>780</b>	48	6.5%
Environ. Protection Agency	537	575	<b>535</b>	-40	-6.9%
Veterans Affairs	645	703	<b>722</b>	19	2.7%
Education	238	265	<b>259</b>	-6	-2.3%
Int'l Assistance Programs	200	216	<b>206</b>	-10	-4.6%
Smithsonian	103	105	<b>102</b>	-3	-2.9%
Labor	16	22	<b>13</b>	-9	-40.9%
Nuclear Reg. Comm.	53	50	<b>67</b>	17	34.0%
Corps of Engineers	38	27	<b>27</b>	0	0.0%
Housing and Urban Dev.	45	54	<b>43</b>	-11	-20.4%
Justice	73	90	<b>74</b>	-16	-17.8%
Social Security	25	42	<b>42</b>	0	0.0%
Postal Service	42	45	<b>46</b>	1	2.2%
Treasury	6	7	<b>7</b>	0	0.0%
<b>Total Conduct of R&amp;D</b>	<b>78,850</b>	<b>85,819</b>	<b>91,362</b>	<b>5,543</b>	<b>6.5%</b>
Defense	42,578	45,108	<b>48,758</b>	3,651	8.1%
Nondefense	36,272	40,711	<b>42,604</b>	1,892	4.6%

(continued)

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**Table II-1 (continued).** R&D in the FY 2002 Budget by Agency and Character of Work  
(budget authority in millions of dollars)

	FY 2000 Actual	FY 2001 Estimate	FY 2002 Budget	Change FY 01-02	
				Amount	Percent
<b>R&amp;D Facilities and Capital Equipment</b>					
Defense (military) <sup>1</sup>	97	180	<b>184</b>	4	2.2%
Health and Human Services	253	245	<b>422</b>	177	72.4%
<i>Nat'l Institutes of Health</i>	242	232	<b>407</b>	175	75.5%
NASA	3,089	2,987	<b>2,934</b>	-53	-1.8%
Energy	899	1,054	<b>1,070</b>	16	1.5%
Nat'l Science Foundation	207	263	<b>209</b>	-53	-20.2%
Agriculture	147	177	<b>133</b>	-44	-24.9%
Commerce	147	62	<b>51</b>	-11	-17.7%
NOAA	23	10	<b>13</b>	3	30.0%
NIST	123	51	<b>37</b>	-14	-27.4%
Interior	17	6	<b>6</b>	0	0.0%
Transportation	14	15	<b>18</b>	3	19.9%
Environ. Protection Agency	21	34	<b>34</b>	0	0.0%
Veterans Affairs	0	0	<b>0</b>	0	--
Housing and Urban Dev.	0	0	<b>0</b>	0	--
Corps of Engineers	10	33	<b>19</b>	-14	-42.4%
Treasury	8	0	<b>1</b>	1	--
Smithsonian	11	13	<b>16</b>	3	23.1%
<b>Total R&amp;D Facils.</b>	4,919	5,068	<b>5,097</b>	29	0.6%
Defense	582	650	<b>638</b>	-11	-1.8%
Nondefense	4,337	4,418	<b>4,459</b>	40	0.9%

Source: AAAS, based on OMB data for R&D for FY 2002, agency budget justifications, and information from agency budget offices.

Note: The projected inflation rate between FY 2001 and FY 2002 is 2.1 percent.

See individual agency tables for more information.

<sup>1</sup> FY 2002 DOD figures represent a projection from FY 2001 funding levels plus inflation, plus an additional \$2.6 billion (in development) for unspecified projects. The revised FY 2002 request will be released in June upon completion of the Defense Strategy Review.