

# Annual Research Report



**Annual Research Expenditures**

**Proposals Submitted**

**Awards Received**

**Fiscal Year 2010**

# Annual Research Report

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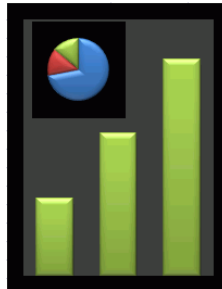
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# Quarterly Research Report

## Foreword

There are several factors that can contribute to charts and totals appearing overly high or overly low. These factors include:

- ◆ Award totals represent all new and incremental funding toward a new or existing project. Award totals represent dollars received. Award totals may not represent *total* amount committed by a sponsor.
- ◆ Various charts and dollar figures may reflect multi-year, multi-million dollar proposals or awards.



# **SECTION I**

## **Annual Research Expenditures**

**Colorado State University**  
**Annual Research Expenditures**  
**By Prime Sponsoring Agency**  
*(federal flow-through is reflected in federal figures)*

	2006	2007	2008	2009	2010
<i>Note: Amounts shown are in \$1,000,000's</i>					
<b>Federal</b>					
USDA Dept of Agriculture	\$ 41.5	\$ 55.5	\$ 61.1	\$ 64.7	\$ 53.3
DOD Dept of Defense	16.0	16.0	15.4	23.1	22.3
DOE Dept of Energy	9.2	7.6	8.6	8.0	7.4
HHS Health and Human Services	53.3	67.5	54.2	47.3	50.5
NSF National Science Foundation	24.0	26.2	30.0	31.9	31.9
NASA National Aero & Space Admin	11.7	11.8	11.8	11.5	11.6
Misc. Federal	26.9	26.1	27.8	25.4	29.0
Non-Science & Engineering (Federal)	10.0	6.4	6.0	5.1	5.7
<b>Total Federal</b>	<b>192.6</b>	<b>217.1</b>	<b>214.9</b>	<b>217.0</b>	<b>211.7</b>
<b>Non Federal</b>					
Industrials	13.9	14.7	18.1	19.1	17.4
State and Local	15.2	12.3	12.8	18.6	14.6
Non-Science & Engineering (Non-Federal)	1.9	0.7	1.0	1.2	4.7
Foundations	1.5	1.4	3.7	4.2	8.6
All other Non-Federal Sources	4.9	6.7	7.8	8.5	3.8
<b>Total Non-Federal</b>	<b>37.4</b>	<b>35.8</b>	<b>43.4</b>	<b>51.6</b>	<b>49.1</b>
<b>Total Sponsored Funds</b>	<b>230.0</b>	<b>252.9</b>	<b>258.3</b>	<b>268.6</b>	<b>260.8</b>
<b>Local Funds</b>					
Trainee Support				0.5	0.2
Contracted Services				7.4	5.7
Infrastructure				3.7	3.2
Legislated & Sponsor Required Support				31.5	33.0
<b>Local Funds</b>	<b>37.4</b>	<b>43.1</b>	<b>44.3</b>	<b>43.1</b>	<b>42.1</b>
<b>Total Research Expenditures</b>	<b>\$ 267.4</b>	<b>\$ 296.0</b>	<b>\$ 302.6</b>	<b>\$ 311.7</b>	<b>\$ 302.9</b>

The figures are classified by Primary funding source (i.e. the Federal figures include both projects that are directly funded by the Federal Government as well as those Federal projects passed through another non-federal entity).

The change in expenditures from 2009 to 2010 is attributed to a \$10.7M decline in Colorado State Forest Service expenditures in 2010.

The economic downturn is evident in the decline in expenditures sponsored by non-federal sources.

Foundation funding expenditures are on an upward trajectory in part due to increased attention to relationship building.

The large increase in expenditures in 2007 over that of 2006 can primarily be attributed to the continued construction of the NIH Regional Biocontainment Laboratory.

## **SECTION II**

### **Externally Competitive Proposals Submitted**

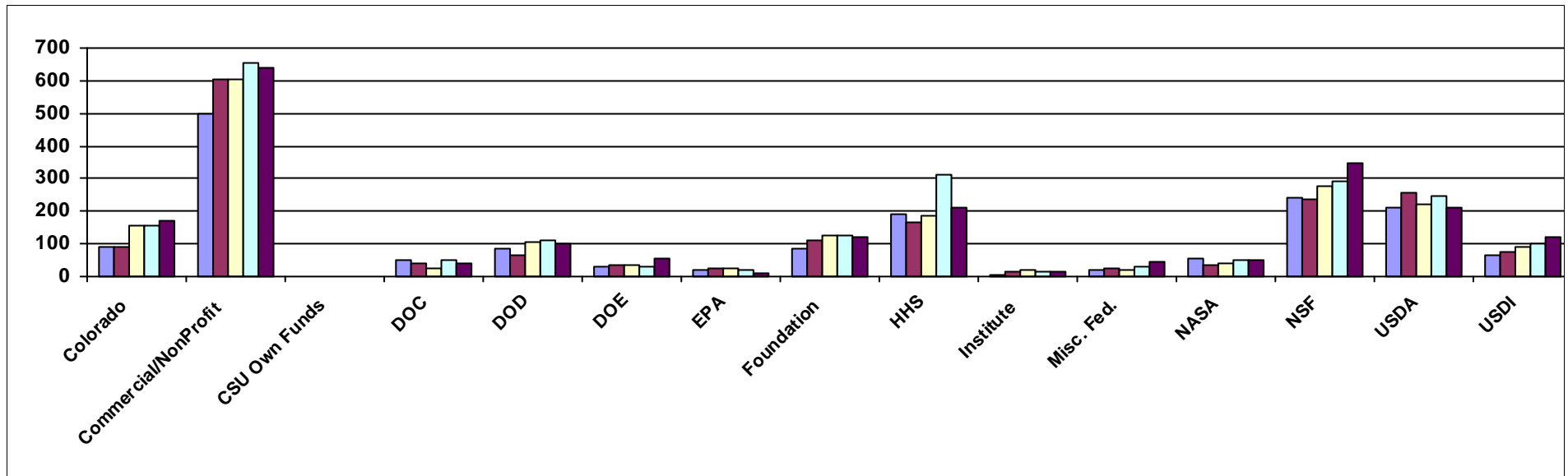
**Proposals by Fund Source**

**Proposals by College**

### Proposals Submitted by Fund Source (July - June)

Total #

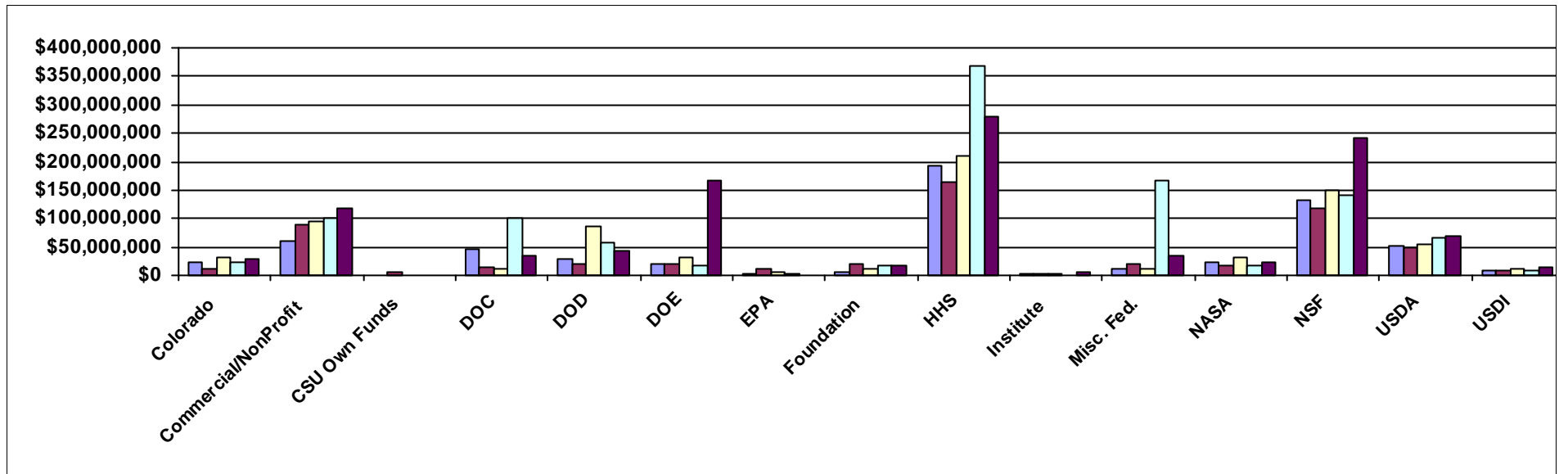
	2006	2007	% Change	2008	% Change	2009	% Change	2010	% Change
Colorado	92	92	0.0%	156	69.6%	155	-0.6%	172	11.0%
Commercial/No Foundation	498	606	21.7%	602	-0.7%	655	8.8%	640	-2.3%
Institute	7	17	142.9%	19	11.8%	13	-31.6%	16	23.1%
<b>Total Non-Federal</b>	<b>681</b>	<b>828</b>	<b>21.6%</b>	<b>905</b>	<b>9.3%</b>	<b>949</b>	<b>4.9%</b>	<b>950</b>	<b>0.1%</b>
DOC	49	42	-14.3%	27	-35.7%	48	77.8%	41	-14.6%
DOD	88	65	-26.1%	107	64.6%	109	1.9%	103	-5.5%
DOE	32	34	6.3%	36	5.9%	30	-16.7%	55	83.3%
EPA	21	26	23.8%	23	-11.5%	18	-21.7%	11	-38.9%
HHS	193	167	-13.5%	184	10.2%	310	68.5%	213	-31.3%
Misc. Fed.	21	24	14.3%	18	-25.0%	31	72.2%	44	41.9%
NASA	57	35	-38.6%	39	11.4%	48	23.1%	48	0.0%
NSF	240	239	-0.4%	275	15.1%	290	5.5%	345	19.0%
USDA	213	259	21.6%	220	-15.1%	245	11.4%	212	-13.5%
USDI	63	77	22.2%	90	16.9%	103	14.4%	123	19.4%
<b>Total Federal</b>	<b>977</b>	<b>968</b>	<b>-0.9%</b>	<b>1019</b>	<b>5.3%</b>	<b>1232</b>	<b>20.9%</b>	<b>1195</b>	<b>-3.0%</b>
CSU Own Fund	1	1	0.0%			1			
<b>Total CSU Own F</b>	<b>1</b>	<b>1</b>	<b>0.0%</b>			<b>1</b>			
<b>TOTAL</b>	<b>1659</b>	<b>1797</b>	<b>8.3%</b>	<b>1924</b>	<b>7.1%</b>	<b>2182</b>	<b>13.4%</b>	<b>2145</b>	<b>-1.7%</b>



## Proposals Submitted by Fund Source (July - June)

Total \$

	2006	2007	% Change	2008	% Change	2009	% Change	2010	% Change
Colorado	\$22,391,635	\$10,658,310	-52.4%	\$31,275,865	193.4%	\$22,761,289	-27.2%	\$27,421,687	20.5%
Commercial/No Foundation	\$61,212,613	\$89,998,905	47.0%	\$93,884,095	4.3%	\$99,846,717	6.4%	\$118,324,264	18.5%
Institute	\$6,949,471	\$20,768,843	198.9%	\$10,753,877	-48.2%	\$15,897,975	47.8%	\$16,329,083	2.7%
Total Non-Federal	\$93,803,528	\$124,294,998	32.5%	\$138,354,647	11.3%	\$138,850,286	0.4%	\$166,674,680	20.0%
DOC	\$45,071,352	\$13,487,061	-70.1%	\$10,319,125	-23.5%	\$101,048,839	879.2%	\$33,482,038	-66.9%
DOD	\$29,397,644	\$21,551,123	-26.7%	\$85,115,289	294.9%	\$57,396,376	-32.6%	\$43,533,472	-24.2%
DOE	\$20,875,116	\$20,779,165	-0.5%	\$30,539,118	47.0%	\$16,602,895	-45.6%	\$165,568,270	897.2%
EPA	\$3,150,796	\$10,095,206	220.4%	\$5,415,182	-46.4%	\$3,599,956	-33.5%	\$847,860	-76.4%
HHS	\$192,187,400	\$162,747,287	-15.3%	\$211,014,053	29.7%	\$369,505,426	75.1%	\$279,674,630	-24.3%
Misc. Fed.	\$11,126,898	\$19,636,037	76.5%	\$10,561,747	-46.2%	\$168,166,294	1492.2%	\$34,592,250	-79.4%
NASA	\$22,202,912	\$15,872,675	-28.5%	\$30,369,258	91.3%	\$18,151,693	-40.2%	\$23,276,906	28.2%
NSF	\$133,434,009	\$116,631,712	-12.6%	\$150,945,635	29.4%	\$139,975,102	-7.3%	\$240,894,159	72.1%
USDA	\$50,582,074	\$48,538,576	-4.0%	\$54,841,565	13.0%	\$66,210,033	20.7%	\$70,378,018	6.3%
USDI	\$8,350,255	\$7,639,743	-8.5%	\$11,409,475	49.3%	\$9,086,206	-20.4%	\$14,245,603	56.8%
Total Federal	\$516,378,456	\$436,978,585	-15.4%	\$600,530,447	37.4%	\$949,742,820	58.2%	\$906,493,206	-4.6%
CSU Own Fund	\$24,215	\$4,882,978	20065.1%			\$74,847			
Total CSU Own F	\$24,215	\$4,882,978	20065.1%			\$74,847			
<b>TOTAL</b>	<b>\$610,206,199</b>	<b>\$566,156,561</b>	<b>-7.2%</b>	<b>\$738,885,094</b>	<b>30.5%</b>	<b>\$1,088,667,953</b>	<b>47.3%</b>	<b>\$1,073,167,886</b>	<b>-1.4%</b>

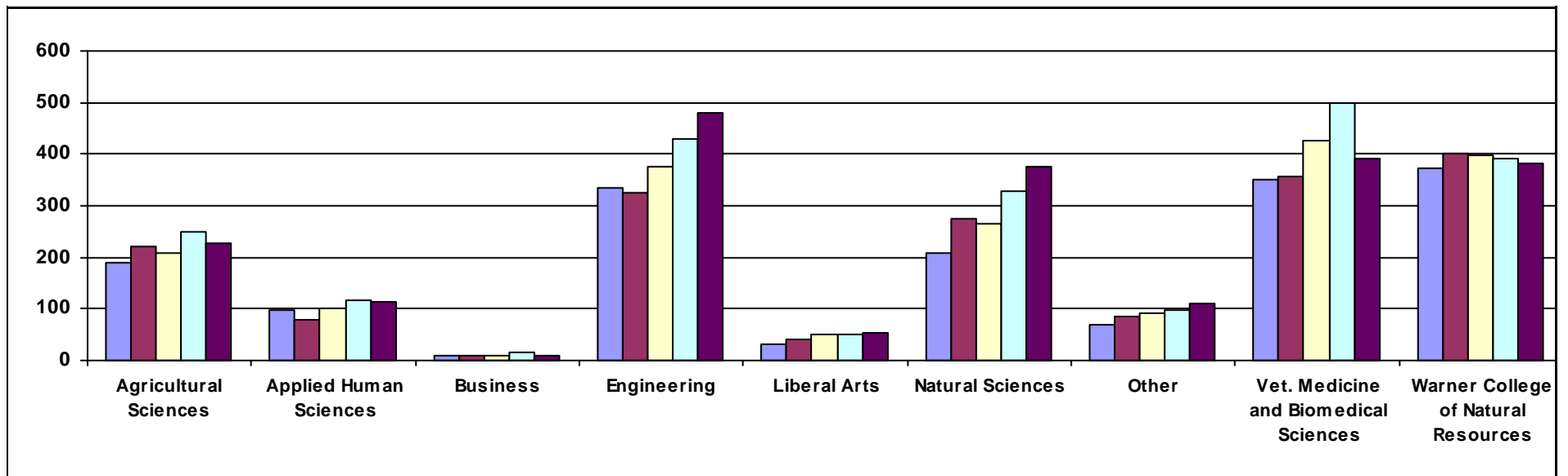




### Proposals Submitted by College (July - June)

Total #

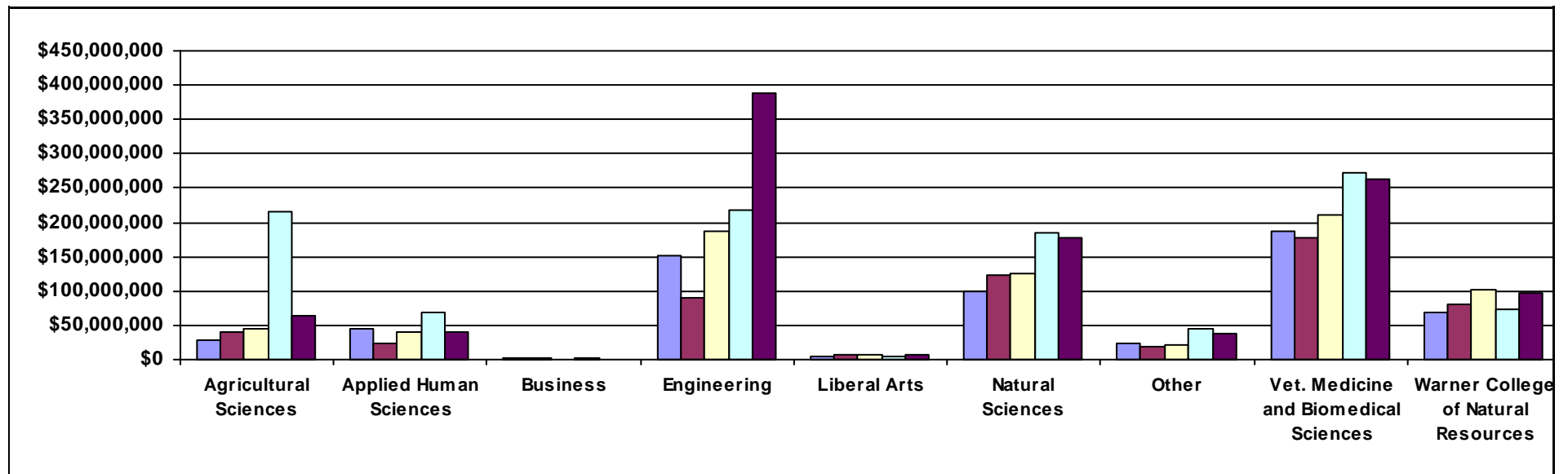
	2006	2007	% Change	2008	% Change	2009	% Change	2010	% Change
Agricultural Scie	189	221	16.9%	208	-5.9%	251	20.7%	227	-9.6%
Applied Human	98	79	-19.4%	102	29.1%	118	15.7%	114	-3.4%
Business	9	9	0.0%	8	-11.1%	15	87.5%	9	-40.0%
Engineering	335	326	-2.7%	376	15.3%	431	14.6%	479	11.1%
Liberal Arts	32	42	31.3%	50	19.0%	51	2.0%	55	7.8%
Natural Science	207	275	32.9%	265	-3.6%	327	23.4%	377	15.3%
Other	68	86	26.5%	93	8.1%	98	5.4%	111	13.3%
Vet. Medicine a	349	358	2.6%	425	18.7%	500	17.6%	391	-21.8%
Warner College	372	401	7.8%	397	-1.0%	391	-1.5%	382	-2.3%
<b>TOTAL</b>	<b>1659</b>	<b>1797</b>	<b>8.3%</b>	<b>1924</b>	<b>7.1%</b>	<b>2182</b>	<b>13.4%</b>	<b>2145</b>	<b>-1.7%</b>



## Proposals Submitted by College (July - June)

Total \$

	2006	2007	% Change	2008	% Change	2009	% Change	2010	% Change
Agricultural Scie	\$28,127,390	\$40,393,902	43.6%	\$45,058,986	11.5%	\$216,476,559	380.4%	\$62,850,356	-71.0%
Applied Human	\$45,423,976	\$24,652,011	-45.7%	\$40,549,332	64.5%	\$68,981,863	70.1%	\$41,243,118	-40.2%
Business	\$2,056,954	\$2,612,940	27.0%	\$882,269	-66.2%	\$2,072,697	134.9%	\$553,703	-73.3%
Engineering	\$150,556,626	\$90,668,847	-39.8%	\$186,216,219	105.4%	\$217,853,327	17.0%	\$387,466,572	77.9%
Liberal Arts	\$5,492,325	\$7,297,094	32.9%	\$6,928,809	-5.0%	\$5,854,428	-15.5%	\$6,471,249	10.5%
Natural Science	\$98,933,902	\$123,183,674	24.5%	\$125,802,299	2.1%	\$185,487,173	47.4%	\$178,344,013	-3.9%
Other	\$23,730,137	\$18,868,287	-20.5%	\$21,548,799	14.2%	\$45,335,056	110.4%	\$37,833,751	-16.5%
Vet. Medicine a	\$187,129,119	\$177,553,303	-5.1%	\$209,704,047	18.1%	\$272,914,083	30.1%	\$261,909,199	-4.0%
Warner College	\$68,755,770	\$80,926,503	17.7%	\$102,194,334	26.3%	\$73,692,767	-27.9%	\$96,495,925	30.9%
<b>TOTAL</b>	<b>\$610,206,199</b>	<b>\$566,156,561</b>	<b>-7.2%</b>	<b>\$738,885,094</b>	<b>30.5%</b>	<b>\$1,088,667,953</b>	<b>47.3%</b>	<b>\$1,073,167,886</b>	<b>-1.4%</b>



## **SECTION III**

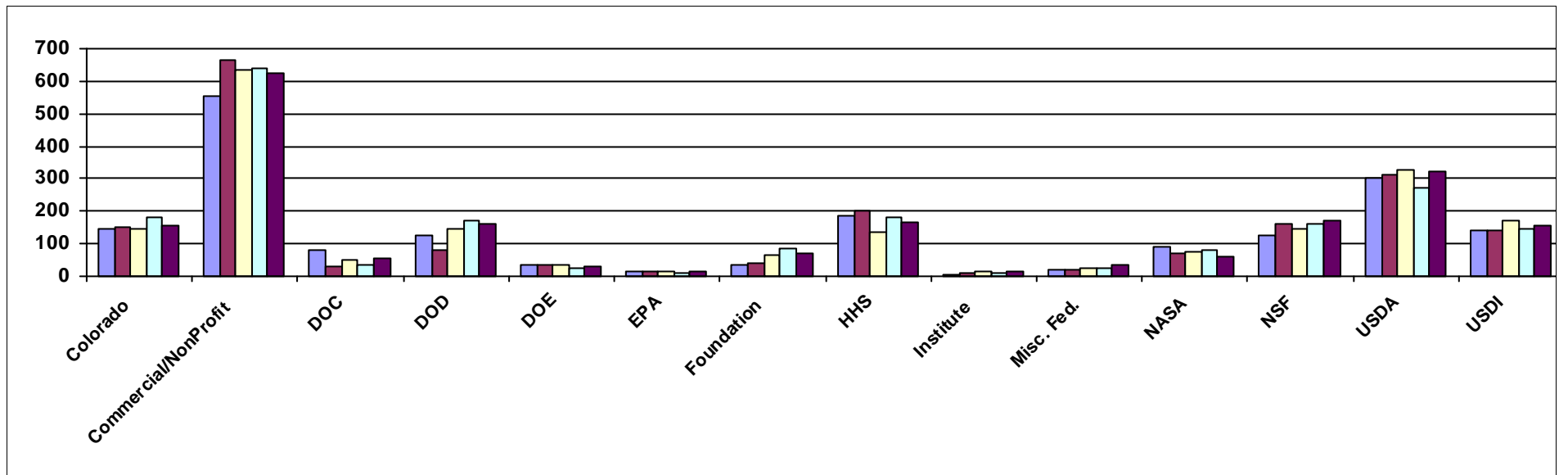
### **Awards Received**

**Awards by Fund Source**  
**Awards by College**

### Awards Received by Fund Source (July - June)

Total #

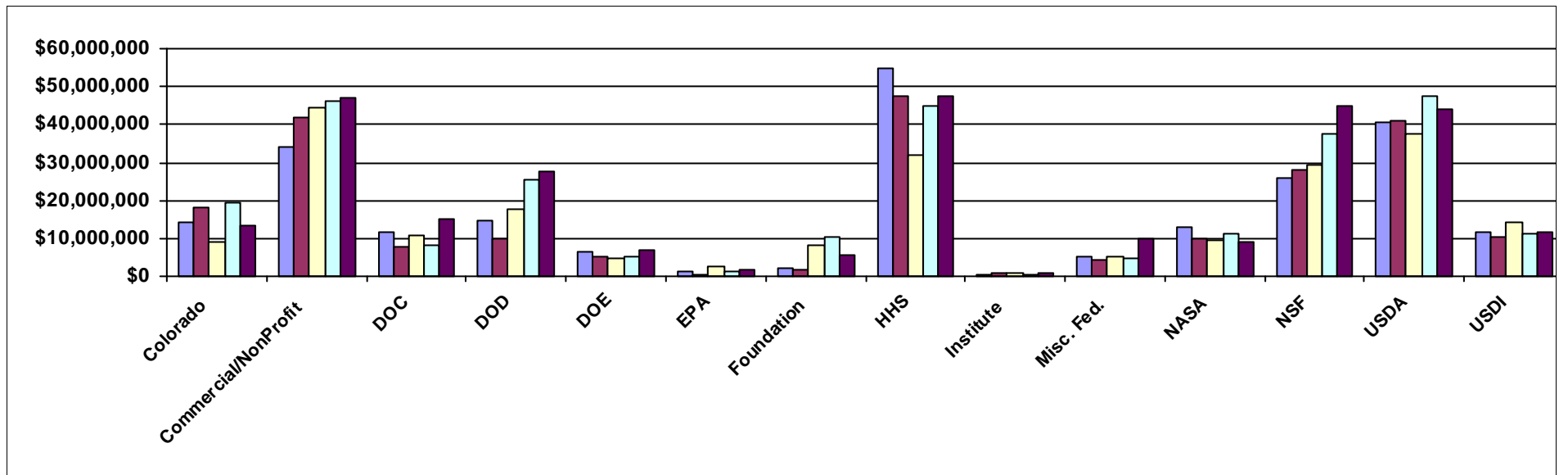
	2006	2007	% Change	2008	% Change	2009	% Change	2010	% Change
Colorado	144	153	6.3%	146	-4.6%	180	23.3%	154	-14.4%
Commercial/No Foundation	556	666	19.8%	636	-4.5%	639	0.5%	622	-2.7%
Institute	7	11	57.1%	13	18.2%	12	-7.7%	14	16.7%
<b>Total Non-Federal</b>	<b>743</b>	<b>870</b>	<b>17.1%</b>	<b>858</b>	<b>-1.4%</b>	<b>916</b>	<b>6.8%</b>	<b>863</b>	<b>-5.8%</b>
DOC	80	30	-62.5%	51	70.0%	33	-35.3%	56	69.7%
DOD	125	82	-34.4%	148	80.5%	171	15.5%	160	-6.4%
DOE	37	33	-10.8%	33	0.0%	26	-21.2%	29	11.5%
EPA	16	17	6.3%	16	-5.9%	12	-25.0%	15	25.0%
HHS	186	203	9.1%	134	-34.0%	182	35.8%	166	-8.8%
Misc. Fed.	22	18	-18.2%	23	27.8%	27	17.4%	34	25.9%
NASA	93	72	-22.6%	75	4.2%	79	5.3%	62	-21.5%
NSF	125	162	29.6%	144	-11.1%	161	11.8%	170	5.6%
USDA	304	310	2.0%	325	4.8%	270	-16.9%	321	18.9%
USDI	142	140	-1.4%	171	22.1%	144	-15.8%	156	8.3%
<b>Total Federal</b>	<b>1130</b>	<b>1067</b>	<b>-5.6%</b>	<b>1120</b>	<b>5.0%</b>	<b>1105</b>	<b>-1.3%</b>	<b>1169</b>	<b>5.8%</b>
<b>TOTAL</b>	<b>1873</b>	<b>1937</b>	<b>3.4%</b>	<b>1978</b>	<b>2.1%</b>	<b>2021</b>	<b>2.2%</b>	<b>2032</b>	<b>0.5%</b>



### Awards Received by Fund Source (July - June)

Total \$

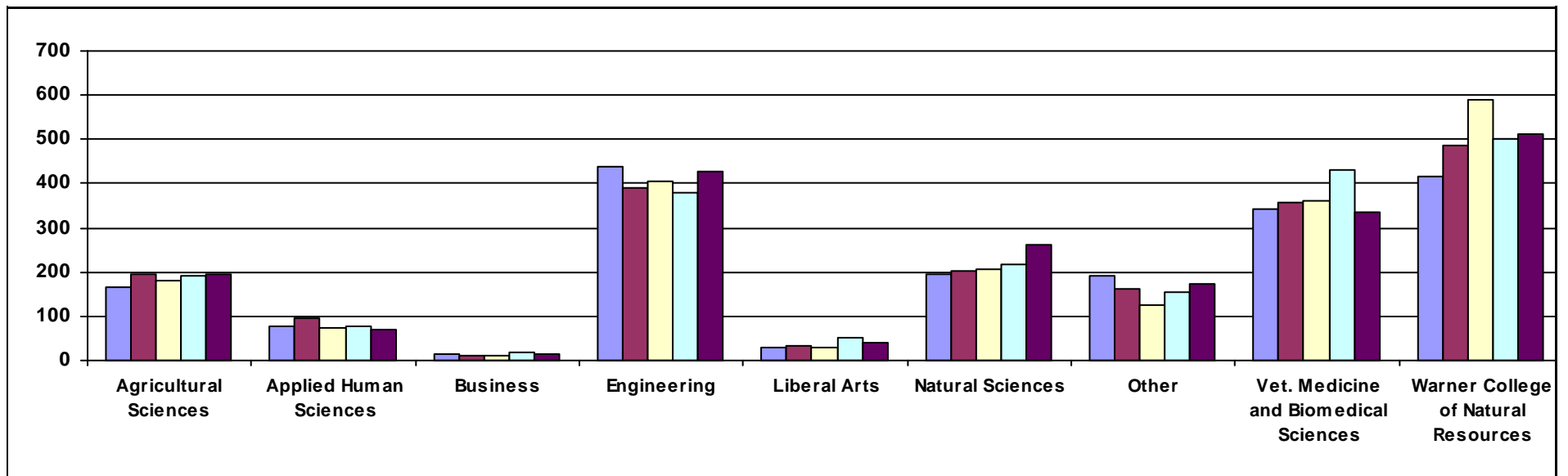
	2006	2007	% Change	2008	% Change	2009	% Change	2010	% Change
Colorado	\$14,363,438	\$18,257,010	27.1%	\$9,170,786	-49.8%	\$19,511,988	112.8%	\$13,230,314	-32.2%
Commercial/No Foundation	\$34,027,728	\$41,807,594	22.9%	\$44,662,069	6.8%	\$46,324,340	3.7%	\$46,834,648	1.1%
Institute	\$2,049,596	\$1,916,618	-6.5%	\$8,037,108	319.3%	\$10,392,016	29.3%	\$5,814,803	-44.0%
Total Non-Federal	\$50,847,591	\$62,790,258	23.5%	\$62,651,910	-0.2%	\$76,824,347	22.6%	\$66,748,181	-13.1%
DOC	\$11,594,261	\$7,786,832	-32.8%	\$10,648,788	36.8%	\$8,129,065	-23.7%	\$15,087,189	85.6%
DOD	\$14,766,176	\$9,788,140	-33.7%	\$17,871,137	82.6%	\$25,410,921	42.2%	\$27,721,797	9.1%
DOE	\$6,322,256	\$5,342,111	-15.5%	\$4,750,688	-11.1%	\$4,982,140	4.9%	\$7,001,781	40.5%
EPA	\$1,290,257	\$464,807	-64.0%	\$2,446,800	426.4%	\$1,328,519	-45.7%	\$1,893,157	42.5%
HHS	\$54,676,457	\$47,353,055	-13.4%	\$31,961,834	-32.5%	\$44,822,235	40.2%	\$47,521,205	6.0%
Misc. Fed.	\$5,056,099	\$4,296,786	-15.0%	\$5,040,712	17.3%	\$4,932,054	-2.2%	\$10,080,556	104.4%
NASA	\$12,939,787	\$9,819,238	-24.1%	\$9,378,837	-4.5%	\$11,350,200	21.0%	\$8,998,913	-20.7%
NSF	\$25,797,916	\$27,889,075	8.1%	\$29,456,514	5.6%	\$37,747,029	28.1%	\$44,871,204	18.9%
USDA	\$40,690,388	\$41,205,842	1.3%	\$37,402,510	-9.2%	\$47,540,759	27.1%	\$43,898,086	-7.7%
USDI	\$11,844,531	\$10,549,464	-10.9%	\$14,110,207	33.8%	\$11,282,188	-20.0%	\$11,806,756	4.6%
Total Federal	\$184,978,128	\$164,495,350	-11.1%	\$163,068,027	-0.9%	\$197,525,110	21.1%	\$218,880,644	10.8%
<b>TOTAL</b>	<b>\$235,825,719</b>	<b>\$227,285,608</b>	<b>-3.6%</b>	<b>\$225,719,937</b>	<b>-0.7%</b>	<b>\$274,349,457</b>	<b>21.5%</b>	<b>\$285,628,825</b>	<b>4.1%</b>



### Awards Received by College (July - June)

Total #

	2006	2007	% Change	2008	% Change	2009	% Change	2010	% Change
Agricultural Scie	166	197	18.7%	181	-8.1%	190	5.0%	195	2.6%
Applied Human	77	97	26.0%	72	-25.8%	78	8.3%	71	-9.0%
Business	14	12	-14.3%	12	0.0%	18	50.0%	15	-16.7%
Engineering	439	390	-11.2%	405	3.8%	379	-6.4%	429	13.2%
Liberal Arts	31	33	6.5%	29	-12.1%	50	72.4%	39	-22.0%
Natural Science	194	202	4.1%	205	1.5%	218	6.3%	261	19.7%
Other	193	161	-16.6%	124	-23.0%	156	25.8%	175	12.2%
Vet. Medicine a	344	359	4.4%	362	0.8%	431	19.1%	336	-22.0%
Warner College	415	486	17.1%	588	21.0%	501	-14.8%	511	2.0%
<b>TOTAL</b>	<b>1873</b>	<b>1937</b>	<b>3.4%</b>	<b>1978</b>	<b>2.1%</b>	<b>2021</b>	<b>2.2%</b>	<b>2032</b>	<b>0.5%</b>



## Awards Received by College (July - June)

Total \$

	2006	2007	% Change	2008	% Change	2009	% Change	2010	% Change
Agricultural Scie	\$10,995,868	\$11,936,709	8.6%	\$9,345,249	-21.7%	\$17,833,030	90.8%	\$16,508,736	-7.4%
Applied Human	\$8,554,558	\$11,668,268	36.4%	\$6,415,107	-45.0%	\$16,080,987	150.7%	\$9,271,609	-42.3%
Business	\$1,379,425	\$913,588	-33.8%	\$1,700,751	86.2%	\$4,495,635	164.3%	\$1,786,359	-60.3%
Engineering	\$61,042,140	\$46,133,528	-24.4%	\$58,539,414	26.9%	\$62,763,611	7.2%	\$78,745,667	25.5%
Liberal Arts	\$1,480,885	\$1,566,865	5.8%	\$1,095,255	-30.1%	\$1,522,441	39.0%	\$2,477,144	62.7%
Natural Science	\$22,248,318	\$24,226,423	8.9%	\$26,666,918	10.1%	\$25,507,934	-4.3%	\$38,706,946	51.7%
Other	\$29,858,721	\$25,125,084	-15.9%	\$10,023,114	-60.1%	\$28,357,508	182.9%	\$35,743,371	26.0%
Vet. Medicine a	\$64,440,350	\$60,807,345	-5.6%	\$54,473,593	-10.4%	\$59,348,204	8.9%	\$51,179,352	-13.8%
Warner College	\$35,825,454	\$44,907,797	25.4%	\$57,460,536	28.0%	\$58,440,108	1.7%	\$51,209,641	-12.4%
<b>TOTAL</b>	<b>\$235,825,719</b>	<b>\$227,285,608</b>	<b>-3.6%</b>	<b>\$225,719,937</b>	<b>-0.7%</b>	<b>\$274,349,457</b>	<b>21.5%</b>	<b>\$285,628,825</b>	<b>4.1%</b>

