



Federal Programs Update

CASC Luncheon at SC '04

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NITRD Funding

FY 2004 Appropriations

	FY 03	FY 04	% Change
NITRD	\$1,964	\$2,023	3.0%



Networking and Information Technology R&D FY04 Approps

(in millions)

Agency	FY03	FY04	% Change
NSF	\$743	\$754	1.5%
HHS (NIH)	\$376	\$368	-2.1%
Energy	\$308	\$344	11.7%
NASA	\$213	\$275	29.1%
DOD	\$296	\$252	-14.9%
Commerce (NIST, NOAA)	\$26	\$26	0%
EPA	\$2	\$4	100.0%
Total	\$1,964	\$2,023	3.0%



NITRD Budget Request

FY 2005

	FY 04	FY 05	% Change
NITRD	\$2,023	\$2,008	-1%



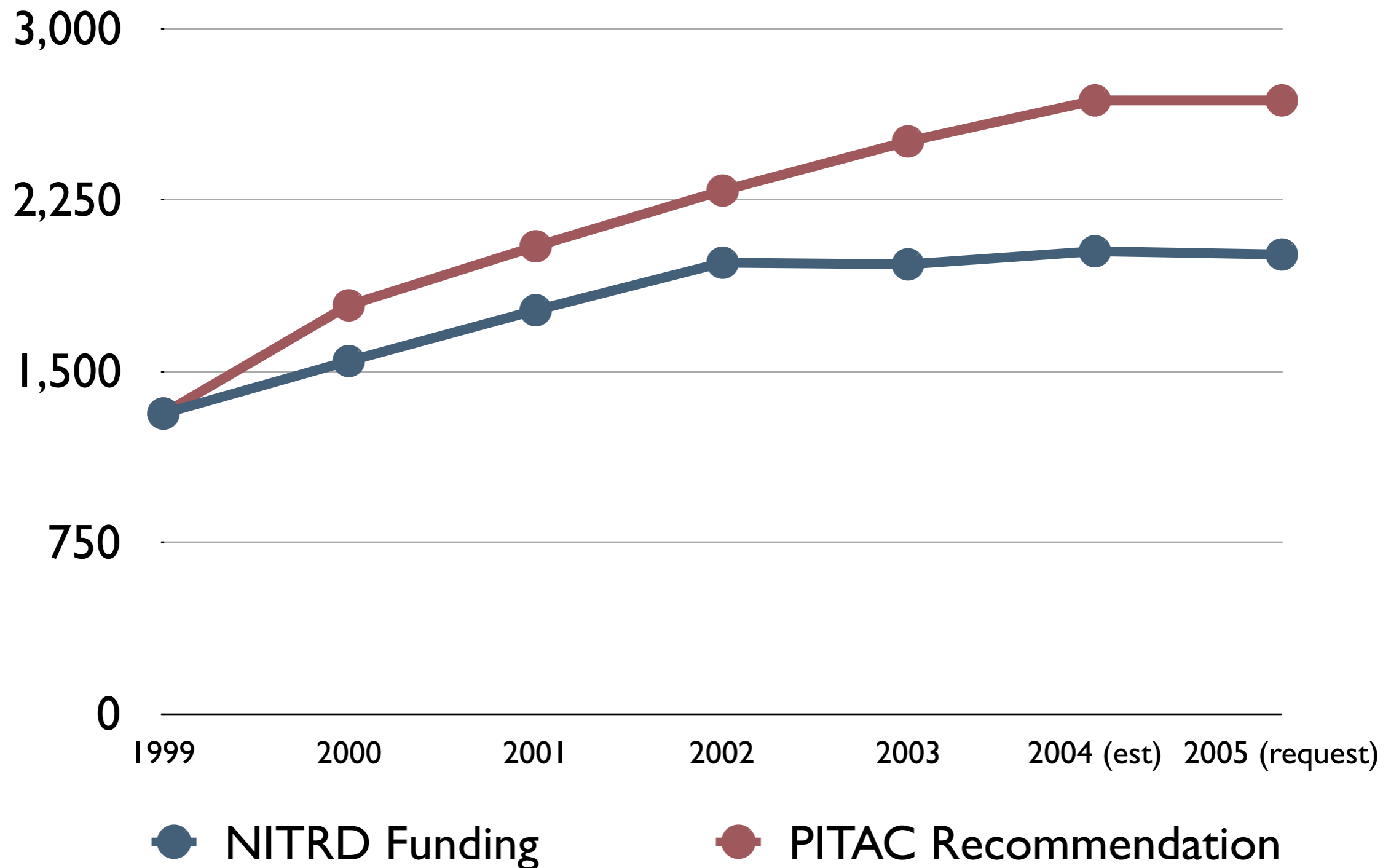
FY 05 Budget Request

Networking and Information Technology R&D (in millions)

Agency	FY04	FY 05	% Change
NSF	\$754	\$761	1%
HHS (NIH)	\$368	\$371	1%
Energy	\$344	\$354	3%
NASA	\$275	\$259	-6%
DOD	\$252	\$226	-10%
Commerce (NIST, NOAA)	\$26	\$33	27%
EPA	\$4	\$4	0%
Total	\$2,023	\$2,008	-1%



NITRD Funding vs. PITAC Recommendation





FY 2005 Appropriations Status

	House Markup	House Approval	Senate Markup	Senate Approval	Conference	Signed into Law
Defense	X	X	X	X	X	X
Homeland Security	X	X	X	X	X	X
VA-HUD	X		X			
Energy	X	X				
Commerce	X	X	X			
Labor-HHS	X	X	X			



Defense Highlights

- Aggregate Basic Research (6.1) increases \$110 million (7.8 percent) over FY 2004
- Overall Defense S&T (6.1-6.3) increases 10.3 percent, or \$1.2 billion to \$13.3 billion in FY 2005
- Computing research increases \$5.5 million to \$344 million in FY 2005
- High Performance Computing Modernization program gets \$33 million increase (16 percent) to \$238 million for FY 05



DHS “Highlight”

- Out of a S&T budget of more than \$1 billion, both House and Senate bills include just \$18 million for cyber security R&D



FY 2005 Appropriations Status

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Defense	X	X	X	X	X	X
Homeland Security	X	X	X	X	X	X
VA-HUD	X		X			
Energy	X	X				
Commerce	X	X	X			
Labor-HHS	X	X	X			



VA-HUD-Independent Agencies

-NSF-

(in millions)

	FY 2004	FY 2005 Budget Request	FY 2005 House Mark	FY 2005 Senate Mark	\$ Change FY 05 Senate vs. FY 04	% Change FY 05 Senate vs. FY 04
NSF	\$5,578	\$5,745	\$5,467	\$5,745	\$167	2.99%



VA-HUD-Independent Agencies

-NSF-

Research and Related Activities

(in millions)

<i>Directorate</i>	<i>FY 2004</i>	<i>FY 2005 Budget Request</i>	<i>FY 2005 Senate Mark</i>	<i>\$ Change FY 05 vs FY 04</i>	<i>% Change FY 05 vs FY 04</i>
BIO	\$587	\$600	\$605	\$18	3.1%
CISE	\$605	\$618	\$630	\$25	4.1%
ENG	\$565	\$576	\$576	\$11	1.9%
GEO	\$713	\$729	\$729	\$15	2.2%
MPS	\$1,092	\$1,116	\$1,123	\$31	2.8%
SBE	\$204	\$225	\$225	\$21	10.3%
OPP	\$342	\$350	\$350	\$8	2.3%
INT	\$144	\$250	\$165	\$21	14.6%
Total R&RA	\$5,578	\$5,745	\$5,745	\$167	2.99%



Energy Highlights

- Energy Approps approved by House, no action in Senate
- Increased Advanced Scientific Computing Account to \$234 million, an increase of \$30 million over FY 04
- The increase is to fund a new “Leadership Class” supercomputer at DOE



Commerce Highlights

- House has approved, Senate has marked up
- Both versions well short of President's requested level for NIST Labs (\$423 million)
- Senate provides \$43 million increase to \$384 million, also provides increase to ATP
- House increase smaller at \$34 million, zeros ATP

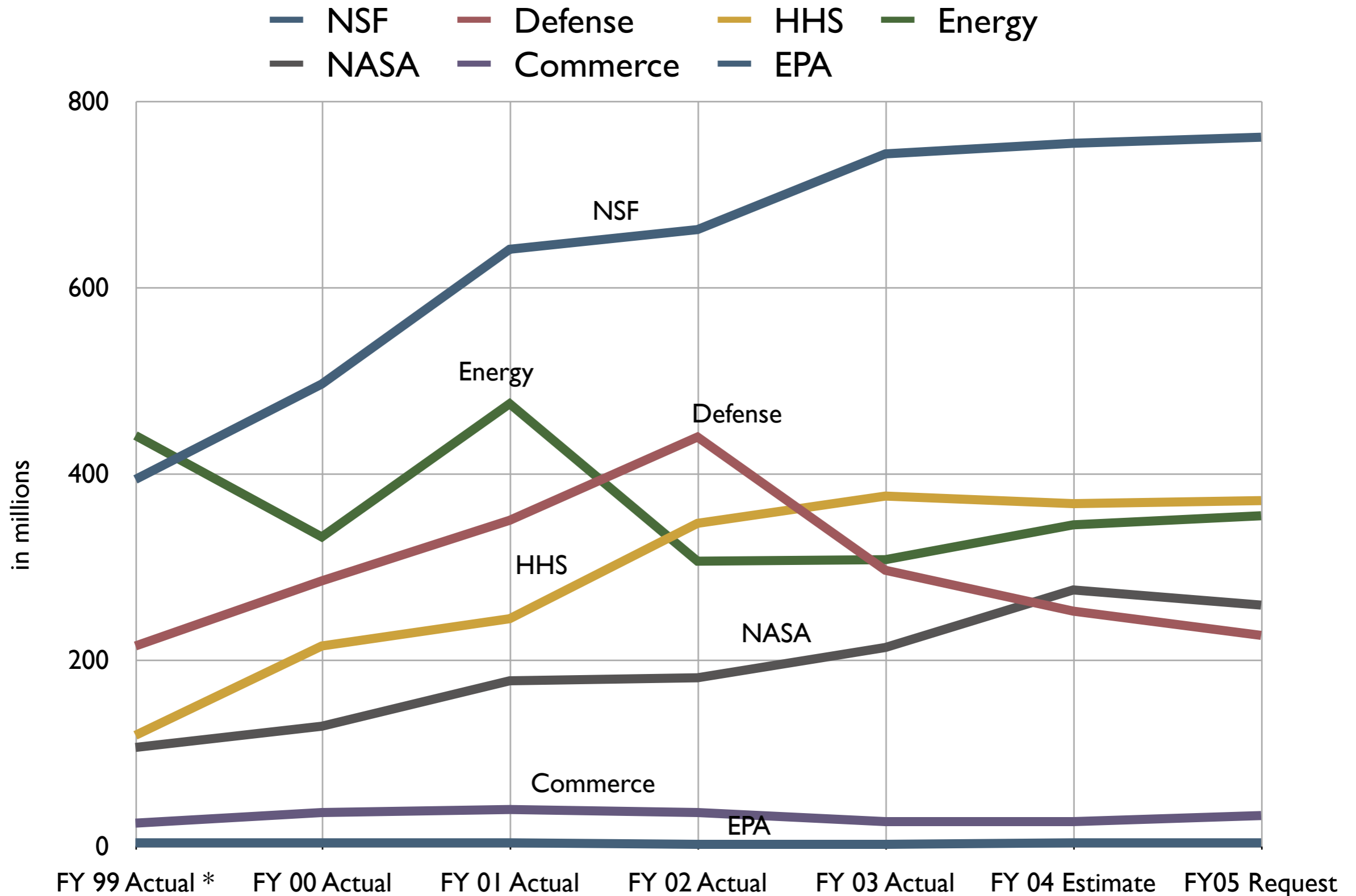


Prognosis



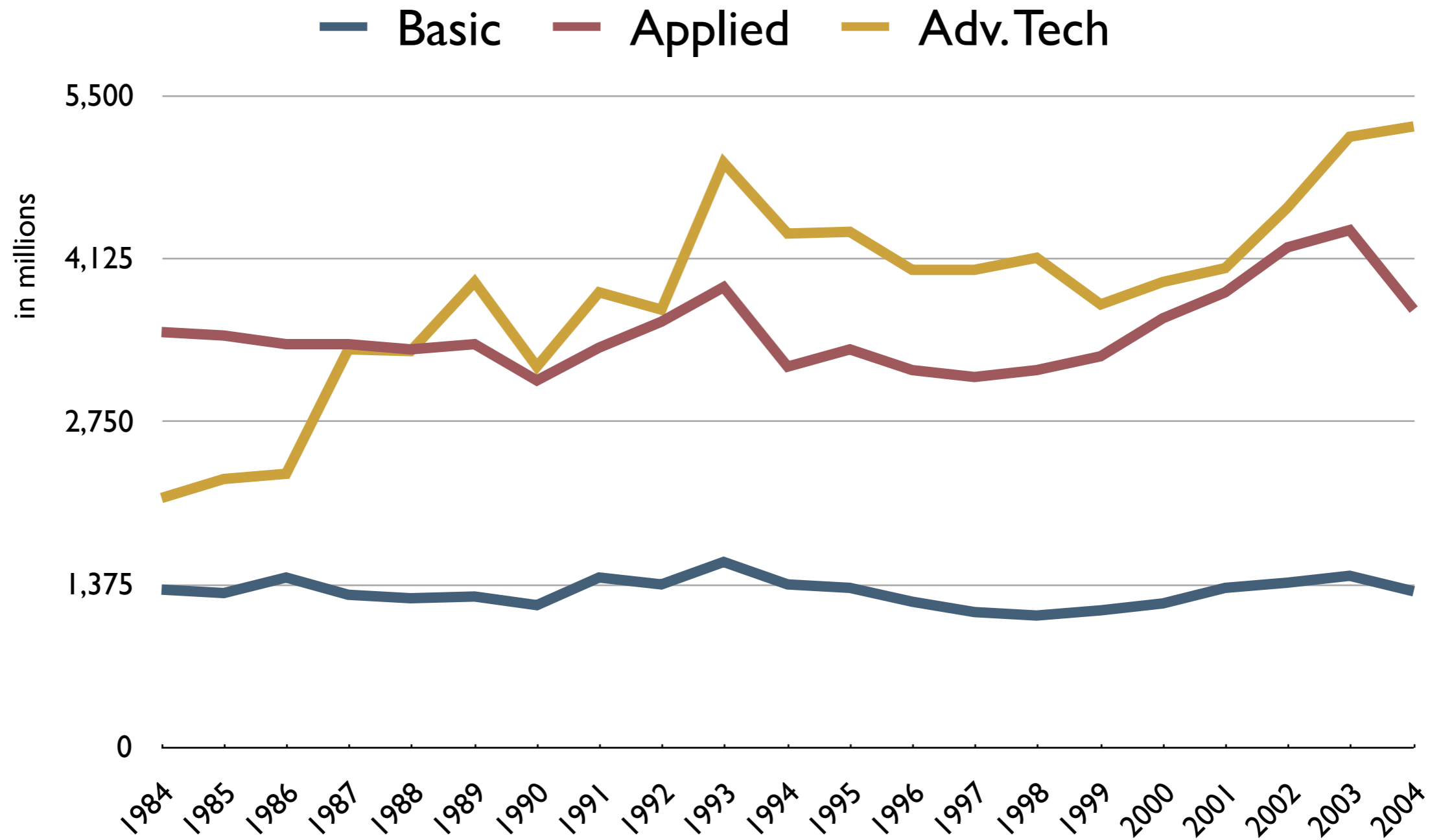
Long-term Issues

Trends in IT R&D



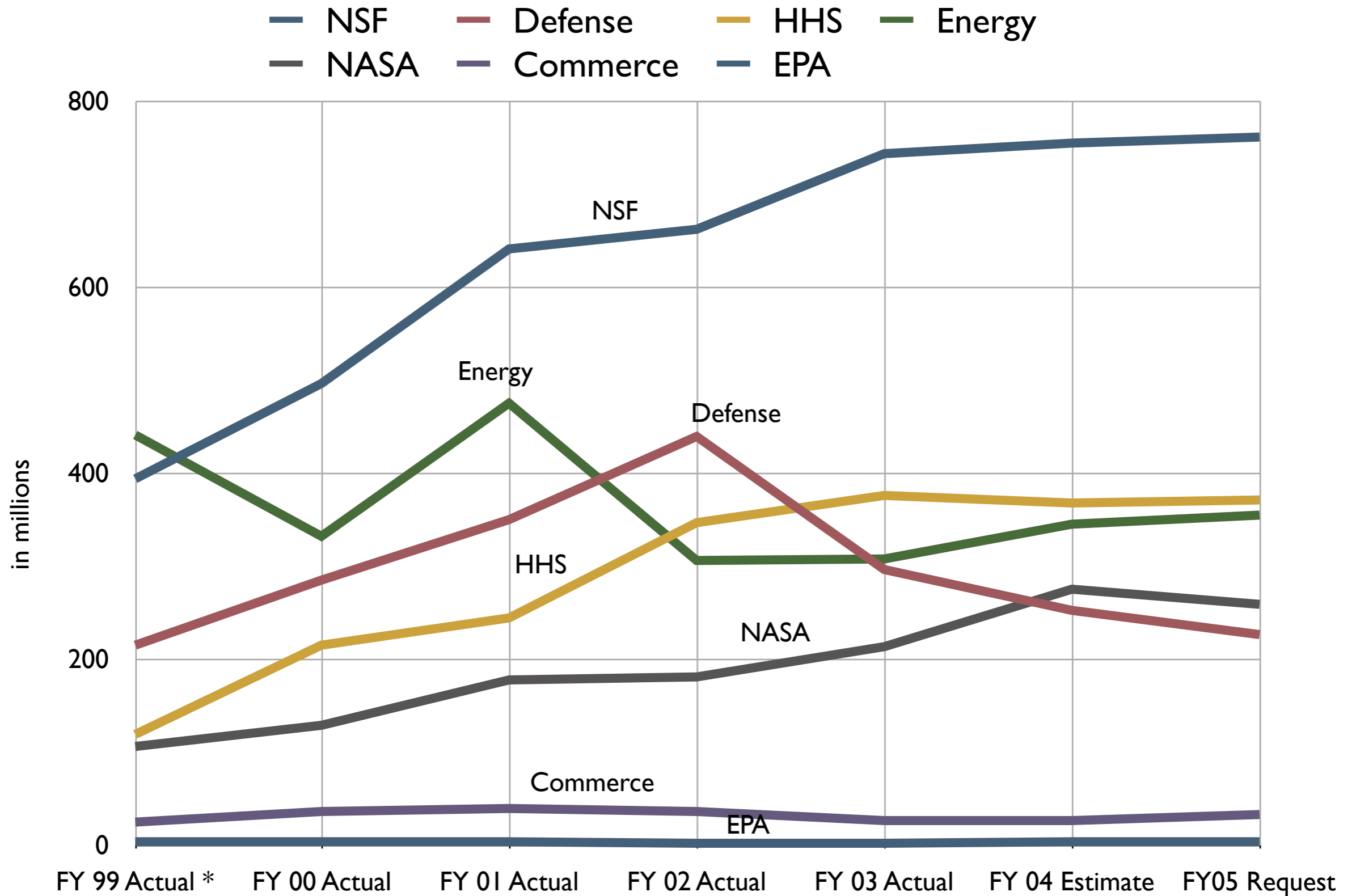
Source: OMB Statistical Analysis of President's Budget, 2001, 2002, 2003, 2004

Trends in Defense S&T



Source: Coalition for National Security Research analysis, 2004; CRA Analysis, 2004

Trends in IT R&D



Source: OMB Statistical Analysis of President's Budget, 2001, 2002, 2003, 2004



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CRA's Computing Research Policy Blog
<http://www.cra.org/govaffairs/blog>

More Snazzy Charts
<http://www.cra.org/govaffairs/itrd.php>