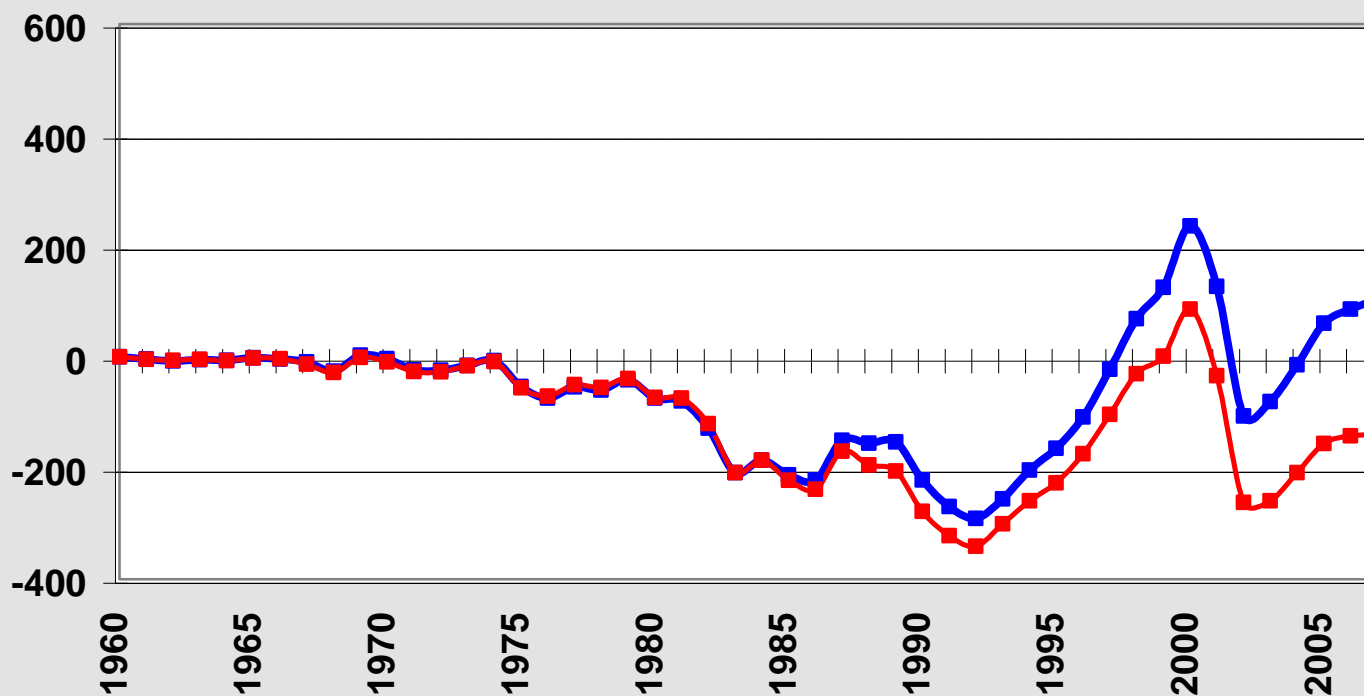


Federal Budget Deficit (or Surplus), FY 1960-2007 in billions of dollars (President's proposals)

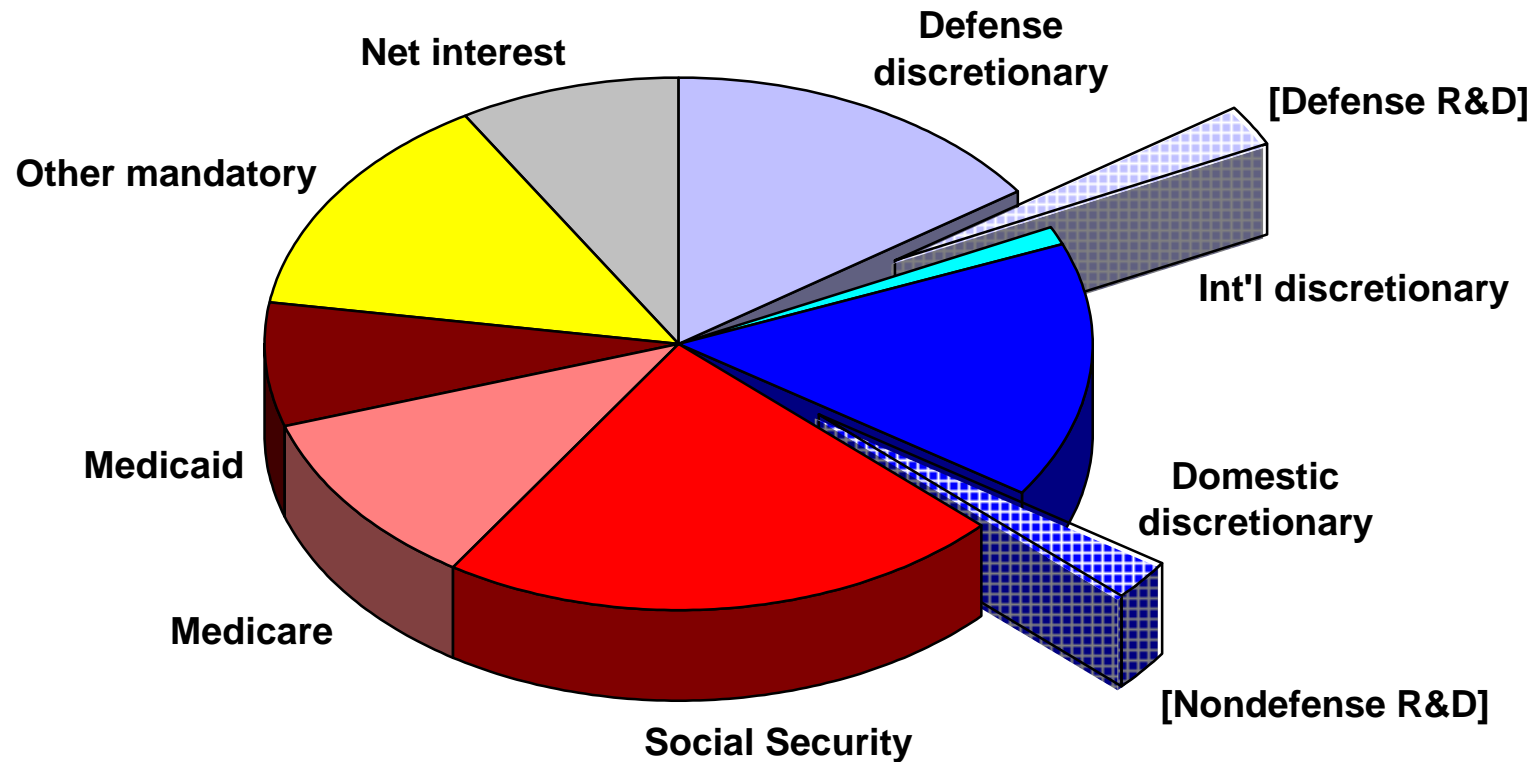


■ Unified budget (incl. Social Security)
■ On-budget (excludes Social Security)

Source: Budget of the U.S. Government FY 2003
FY 2003-2007 data are projections based on President's budget
proposals. FEB. '02 © 2002 AAAS

Composition of the Proposed FY 2003 Budget

Total Outlays = \$2,128 billion



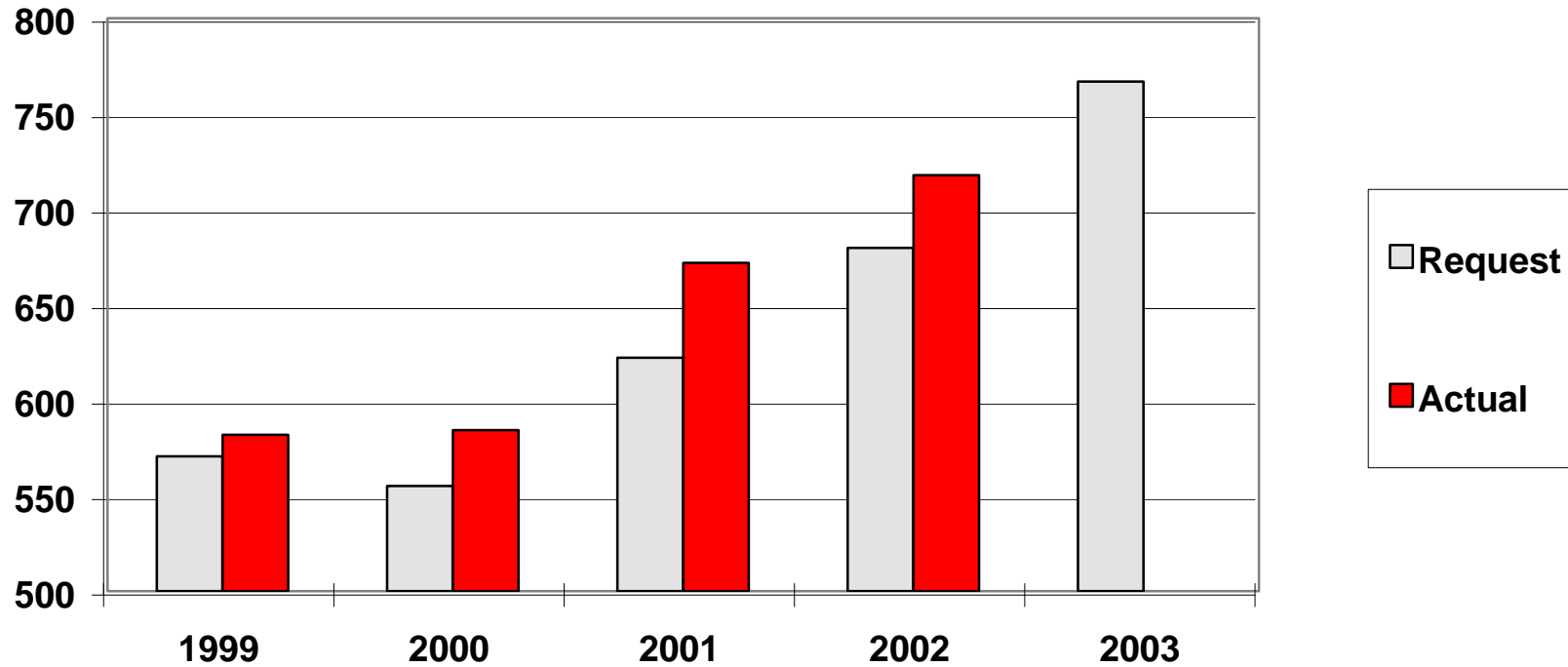
Note: Projected Unified deficit is \$80 billion.

Source: AAAS, based on *Budget of the United States Government FY 2003*.

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Discretionary Spending

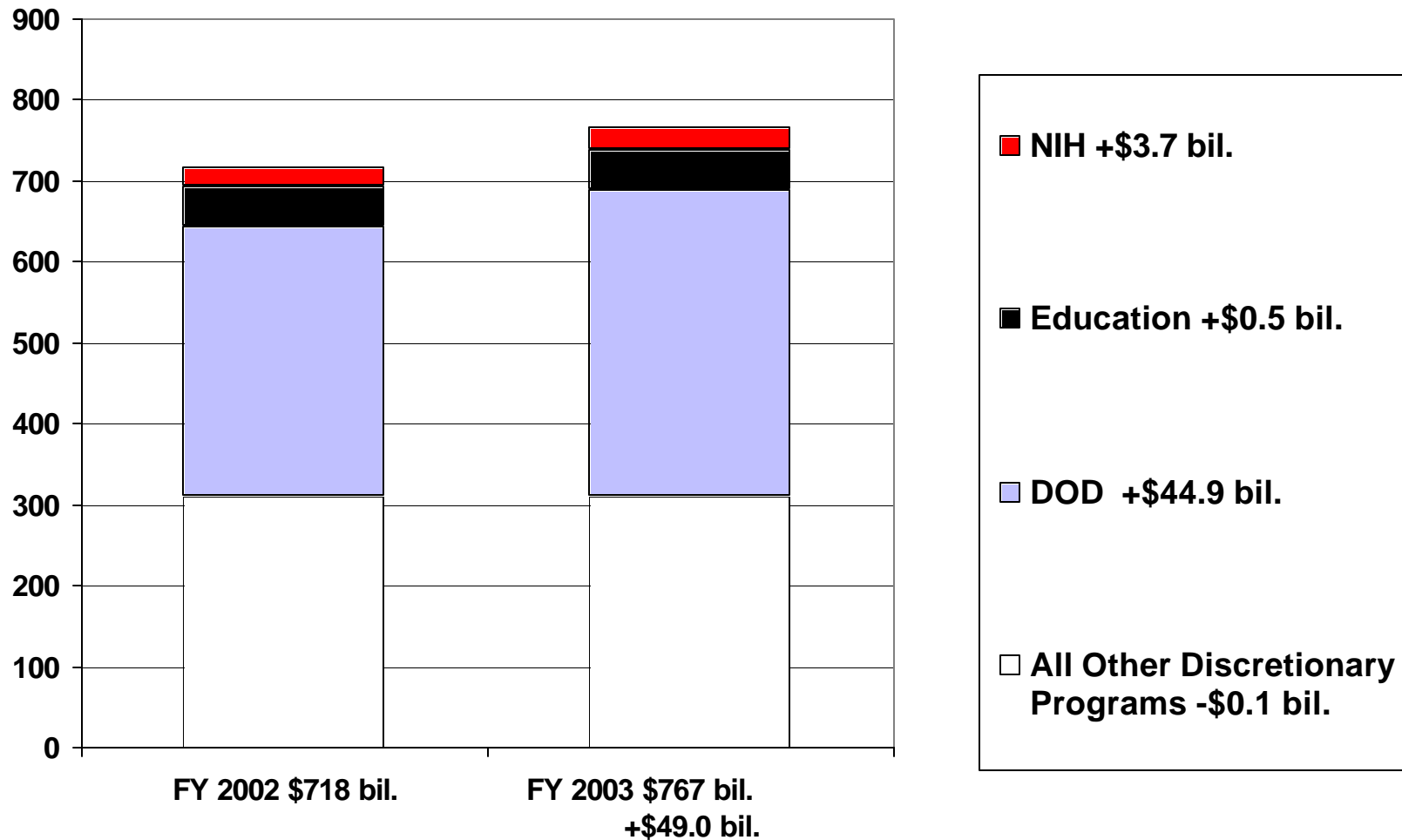
FY 1999 - FY 2003, in billions of dollars



Source: Budget of the U.S. Government FY 2003
FY 1999-2002 levels are enacted discretionary BA, including final FY 2002 appropriations. FY 2003 is President's proposal.
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Discretionary Spending

FY 2002 to FY 2003 in billions of dollars

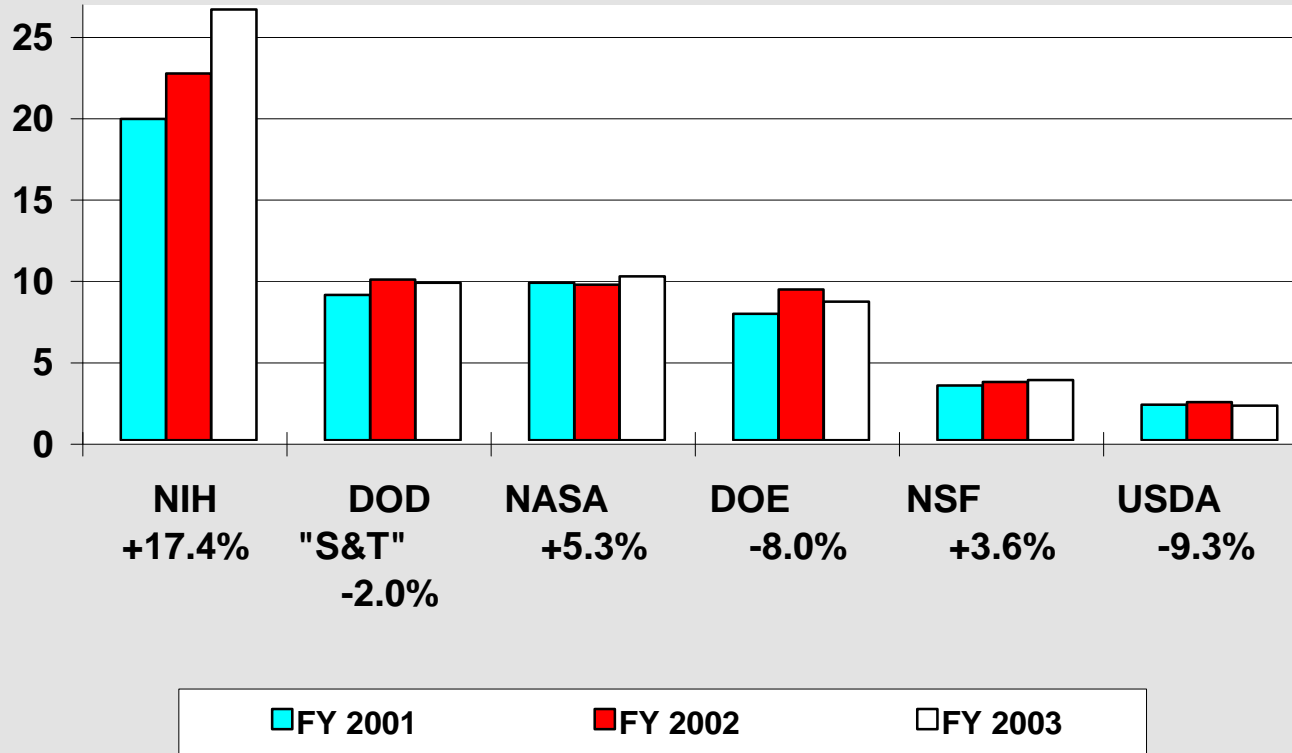


Source: Budget of the U.S. Government FY 2003
FY 2003 is President's proposal. Includes emergency funds.
FEB. '02 © 2002 AAAS

R&D in the "Big Six" Agencies, FY 2001 - FY 2003

budget authority in billions of dollars

percentage changes '02-'03

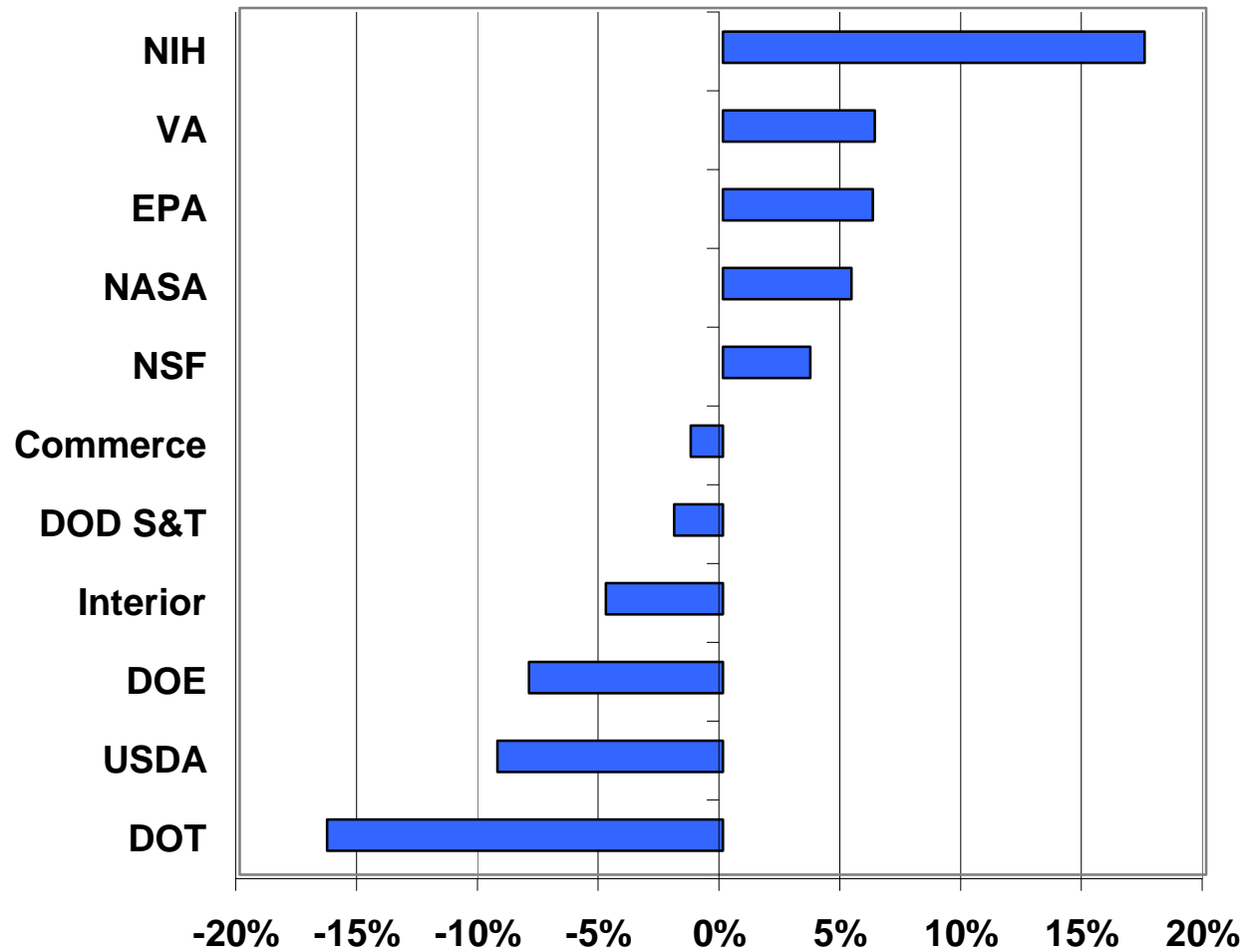


Source: AAAS, based on OMB R&D Budget Data and agency estimates for FY 2003, DOD "S&T" = DOD R&D in "6.1" through "6.3" categories plus medical research.

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FY 2003 R&D Request Percent Change from FY 2002



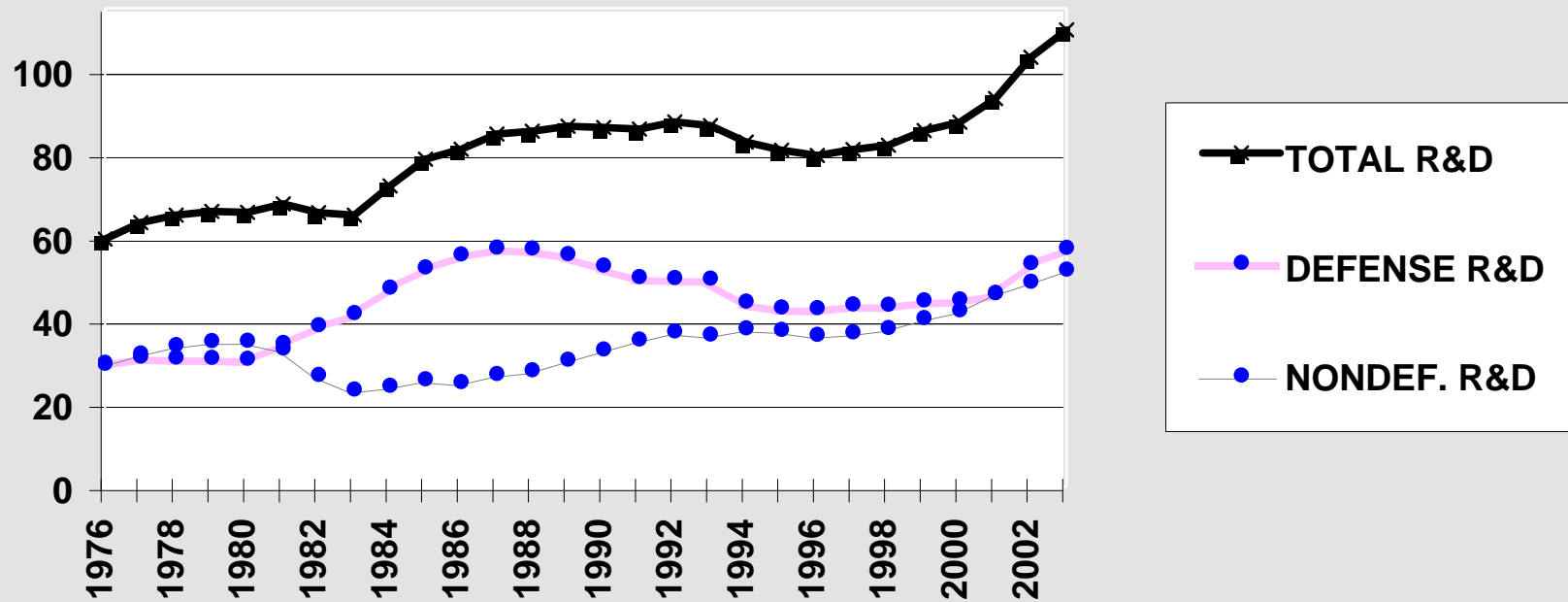
Source: AAAS, based on OMB R&D Budget Data and agency estimates for FY 2003, DOD "S&T" = DOD R&D in "6.1" through "6.3" categories plus medical research.

FEB. '02 PRELIMINARY © 2002 AAAS



Trends in Federal R&D, FY 1976-2003

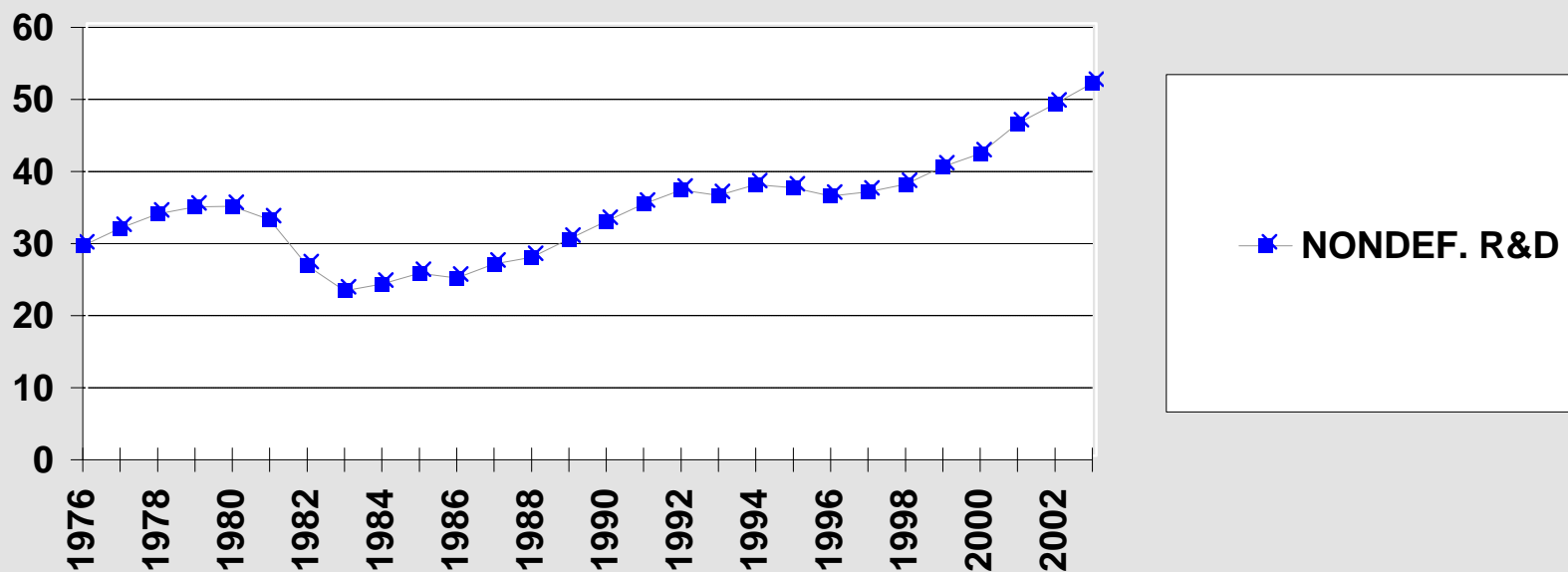
in billions of constant FY 2002 dollars



Source: AAAS analyses of R&D in *AAAS Reports VIII-XXVII*. FY 2003 figures are President's request; FY 2002 figures are latest estimates.

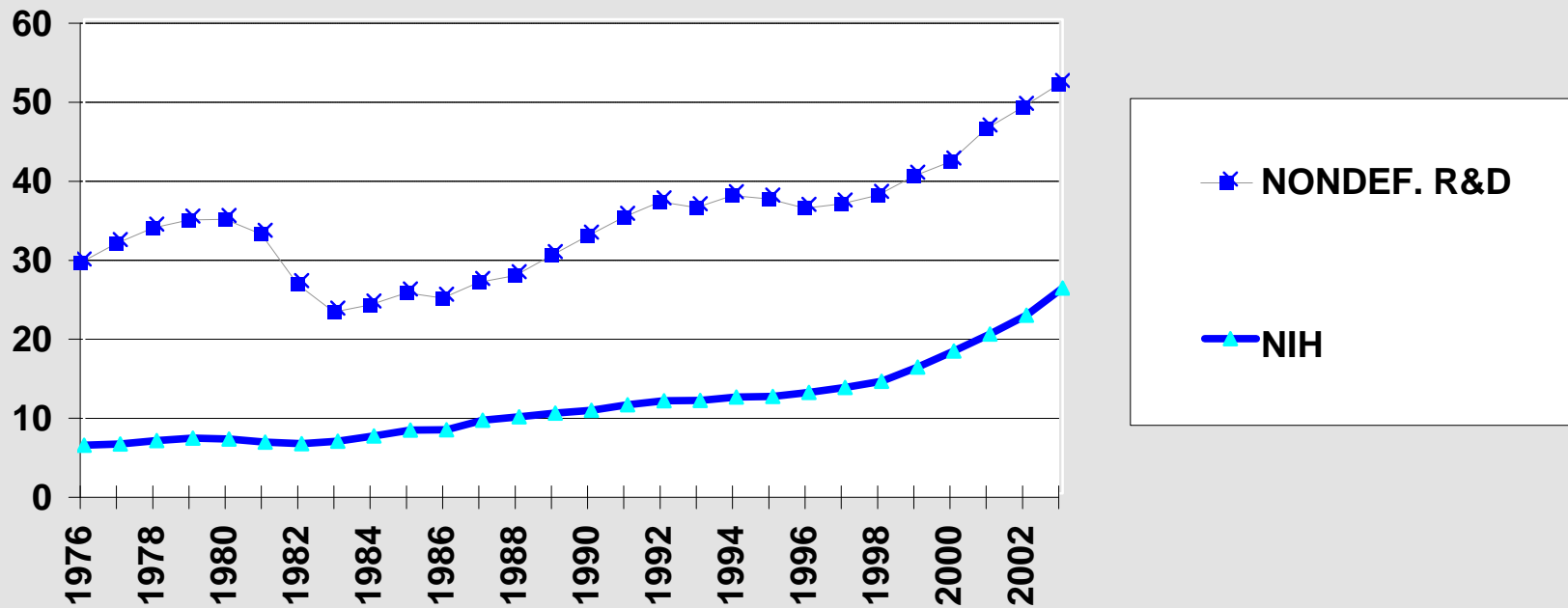
FEB. '02 PRELIMINARY © 2002 AAAS

Selected Trends in Nondefense R&D, FY 1976-2003 in billions of constant FY 2002 dollars



Source: AAAS analyses of R&D in *AAAS Reports VIII-XXVII*. FY 2003 figures are President's request; FY 2002 figures are latest estimates.
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Selected Trends in Nondefense R&D, FY 1976-2003 in billions of constant FY 2002 dollars

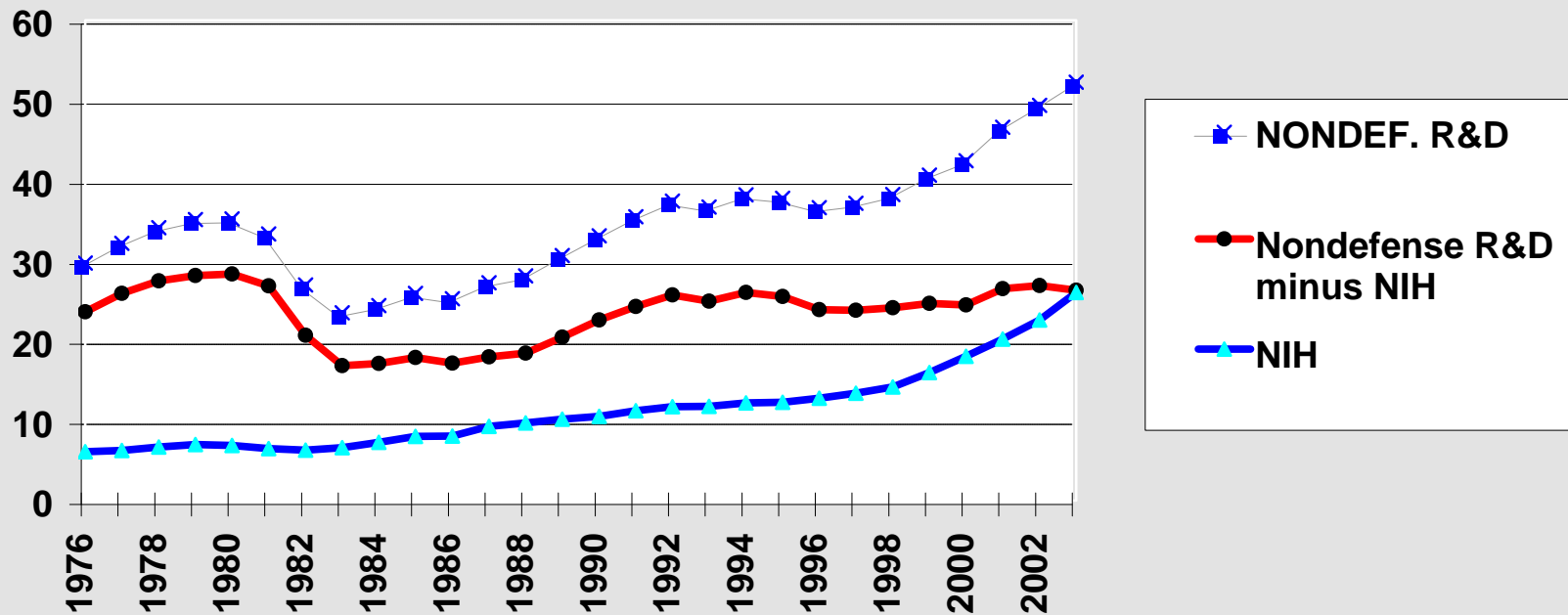


Source: AAAS analyses of R&D in *AAAS Reports VIII-XXVII*. FY 2003 figures are President's request; FY 2002 figures are latest estimates.

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Selected Trends in Nondefense R&D, FY 1976-2003

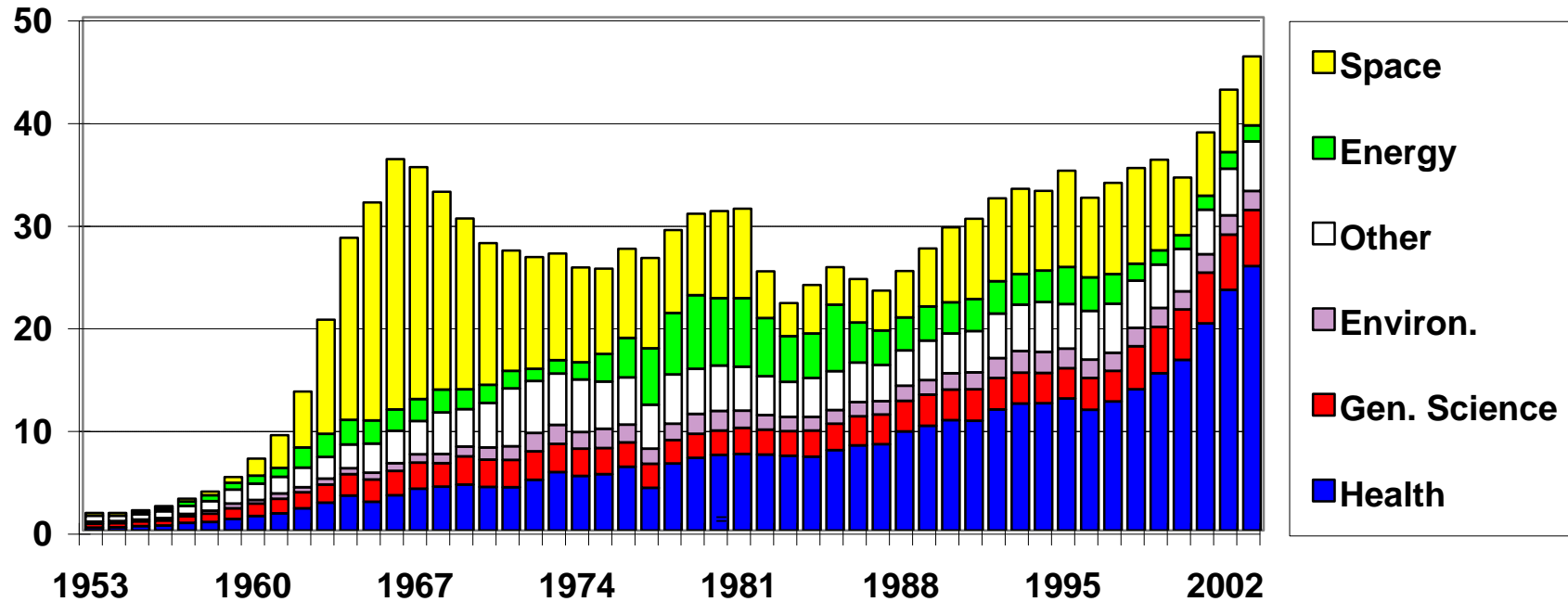
in billions of constant FY 2002 dollars



Source: AAAS analyses of R&D in *AAAS Reports VIII-XXVII*. FY 2003 figures are President's request; FY 2002 figures are latest estimates.
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Trends in Nondefense R&D by Function, FY 1953-2003

outlays for the conduct of R&D, billions of constant FY 2002 dollars



Source: AAAS, based on OMB Historical Tables in *Budget of the United States Government FY 2003*. Constant dollar conversions based on GDP deflators.

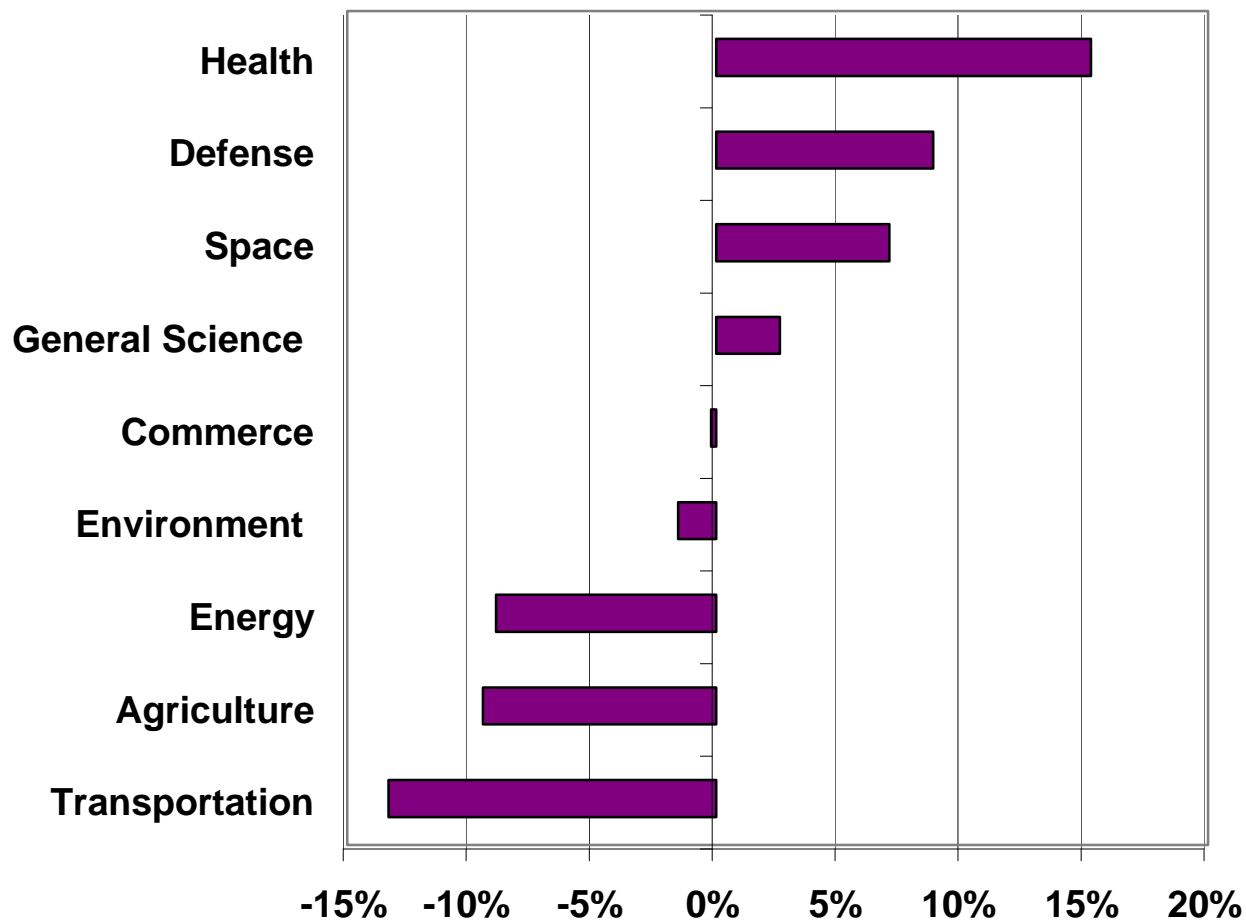
FY 2003 is the President's request.

Note: Some Energy programs shifted to General Science beginning in FY 1998.

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FY 2003 R&D Request by Mission

Percent Change from FY 2002

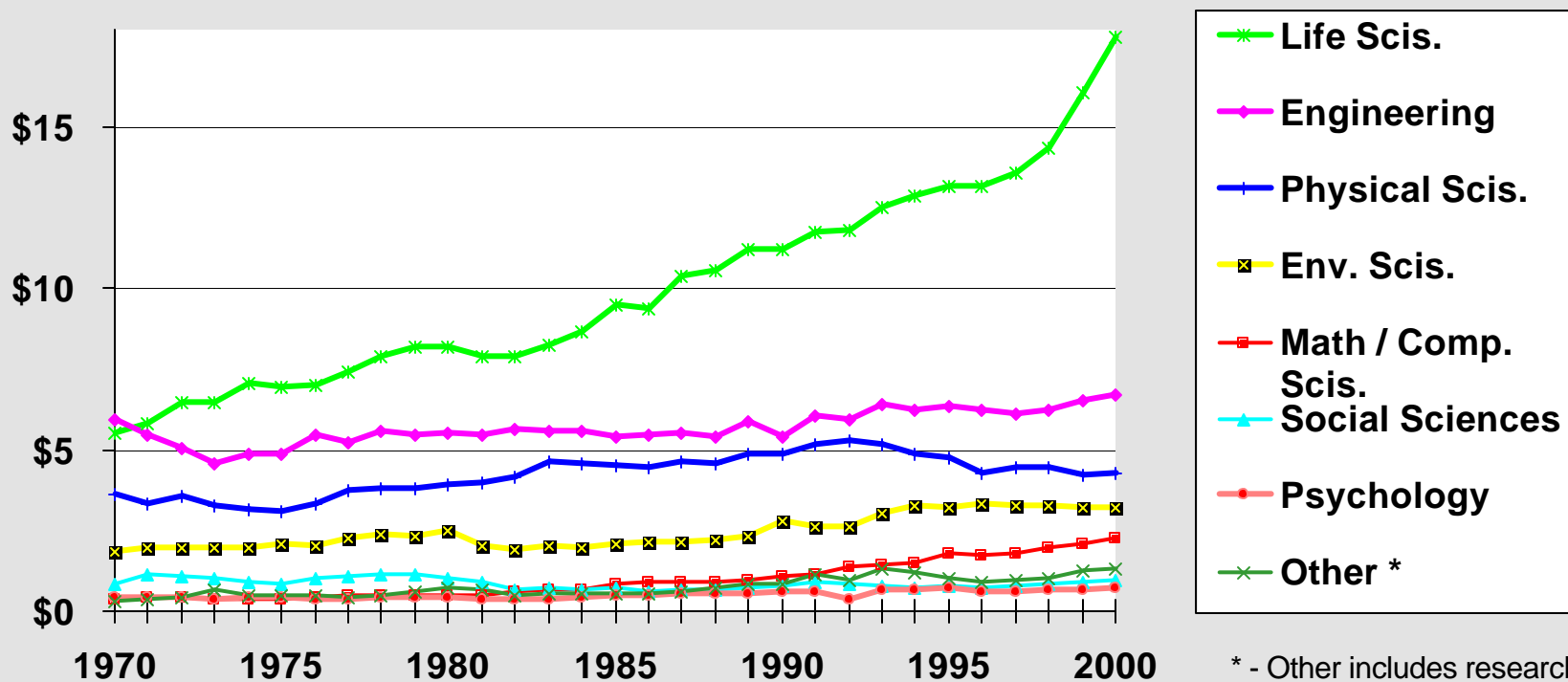


Source: AAAS, based on OMB R&D Budget Data and agency estimates for FY 2003.

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Trends in Federal Research by Discipline, FY 1970-2000

obligations in billions of constant FY 2001 dollars

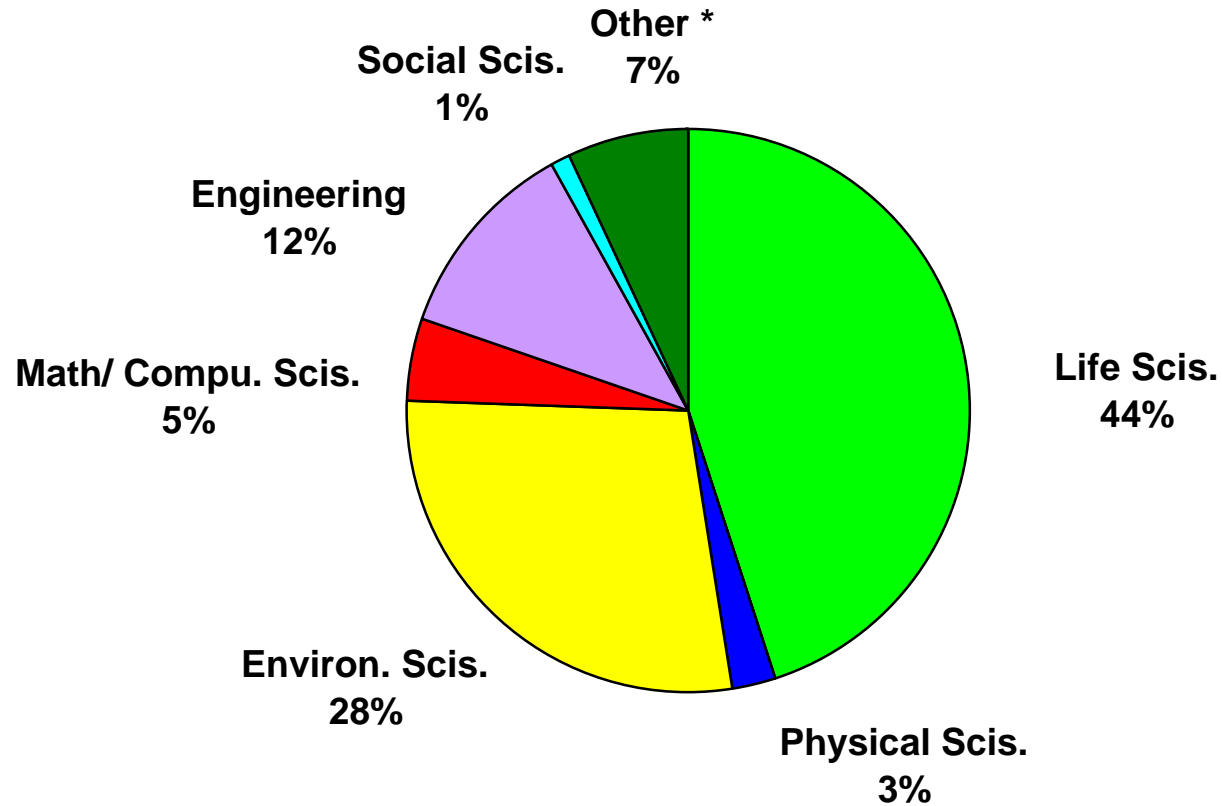


* - Other includes research not classified (includes basic research and applied research; excludes development and R&D facilities)

Source: National Science Foundation, *Federal Funds for Research and Development FY 1999, 2000, and 2001, 2001*. FY 2000 data are preliminary. Constant-dollar conversions based on OMB's GDP deflators. APRIL '01 © 2001 AAAS

EPA Funding of Research, by Discipline

(FY 2001 preliminary obligations in millions of dollars)



**Total EPA
research:
\$439 million**

Basic and applied
research only.

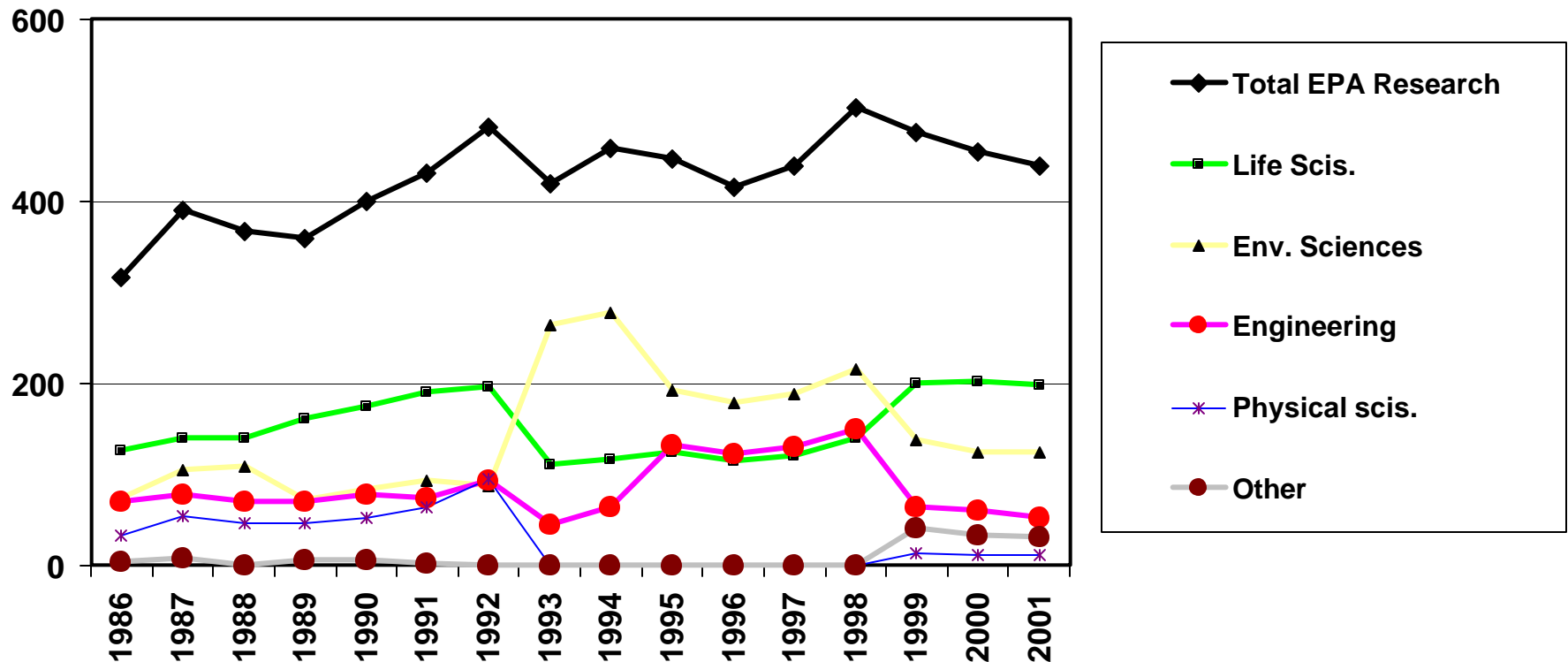
Excludes
development and
R&D facilities, which
are not classified by
discipline

* - includes research
not elsewhere
classified by
discipline

Source: National Science Foundation, *Federal Funds for Research and Development FY 1999, 2000, and 2001, 2001.*
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EPA Research by Selected Disciplines, FY 1986-2001

(millions of constant FY 2001 dollars obligations)



Source: National Science Foundation, SRS, *Federal Funds for Research and Development Historical Tables 1970-2001*, 2001. Basic and applied research only. Development and R&D facilities are not classified by discipline. FY 2000 and 2001 data are preliminary.

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