

# Washington Update

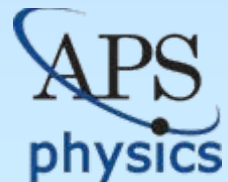
**APS Council Meeting**

**Jacksonville, Florida**

**April 13, 2007**

Michael S. Lubell

APS Director of Public Affairs



# Washington Office Staff

- Kimberly Duncan\* (Policy Fellow)
- Michael Lubell\* (Director)
- Brian Mosley (LC)
- Steve Pierson\* (Head Govt Relations)
- Jeannette Russo (Office Manager)
- Francis Slakey\* (Assoc Director)
- To Be Named Shortly (Press Secretary)

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\*Lobbyists

# A Snapshot of Activities

- Lobbying (PPC)
  - ✓ Direct
  - ✓ Grass Roots
  - ✓ Coalitions: ESC, CNSF, Task Force, etc.
- Policy Reports (POPA)
- APS News
  - ✓ “Inside the Beltway”
  - ✓ “Washington Dispatch”
- APS Capitol Hill Quarterly aka CHQ
- Web Site: Public Affairs Pages
- **Media Relations on Policy: Coming Soon**
  - ✓ Op-Eds
  - ✓ News Advisories and Releases
  - ✓ Writing Workshops at APS Meetings

# On the Agenda

- Energy/Environment
- Education/Workforce
- Research Funding
- Defense/Non-Proliferation
- Intelligent Design
- Open Access

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- Energy/Environment
- Education/Workforce
- *Research Funding*
- Defense/Non-Proliferation
- Intelligent Design
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# Task Force on the Future of American Innovation

## National Press Club Rollout February 16, 2005

### THE KNOWLEDGE ECONOMY: IS THE UNITED STATES LOSING IT'S COMPETITIVE EDGE?



BENCHMARKS OF OUR INNOVATION FUTURE

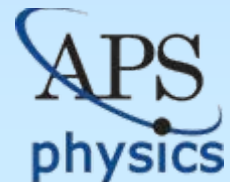
February 16, 2005

THE REPORT OF THE TASK FORCE  
ON THE FUTURE OF AMERICAN INNOVATION

[www.futureofinnovation.org](http://www.futureofinnovation.org)

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Agilent Technologies, ASTRA, American Chemical Society, American Electronics Association,  
American Mathematical Society, American Physical Society, Association of American Universities,  
Computing Research Association, Computing Technology Industry Association,  
Computing Systems Policy Project, Council on Competitiveness, Hewlett-Packard, Intel, Lucent,  
Materials Research Society, Microsoft, National Association of Manufacturers, NASULGC,  
The Science Coalition, Semiconductor Industry Association,  
Southeastern Universities Research Association, Texas Instruments



# Task Force for the Future of American Innovation

Endorsing Organizations

AAU  
1900

acm

USACM

AACSB

AeA  
Advancing the Business of Technology

Agilent Technologies

AMERICAN INSTITUTE OF PHYSICS  
2012-2006  
75 Years of Service

AMERICAN MATHEMATICAL SOCIETY  
FOUNDED 1888

APS  
physics

AMERICAN SOCIETY OF ENGINEERING EDUCATION  
ASSE

ASTRA

Battelle  
The Business of Innovation

Business-Higher Education Forum

BR

Center for ACCELERATING INNOVATION

CompTIA

Council on Competitiveness

CRA  
COMPUTING RESEARCH ASSOCIATION

EIA  
Electronic Industries Alliance

Google

IBM

intel

LUNA INNOVATIONS

Microsoft

NAM  
National Association of Manufacturers

National Association of State Universities and Land-Grant Colleges

NORTHROP GRUMMAN

TI INTERNATIONAL

THE SCIENCE COALITION

SIA  
SEMICONDUCTOR INDUSTRY ASSOCIATION

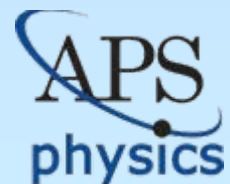
SURA  
Southeastern Universities Research Association

TEXAS INSTRUMENTS

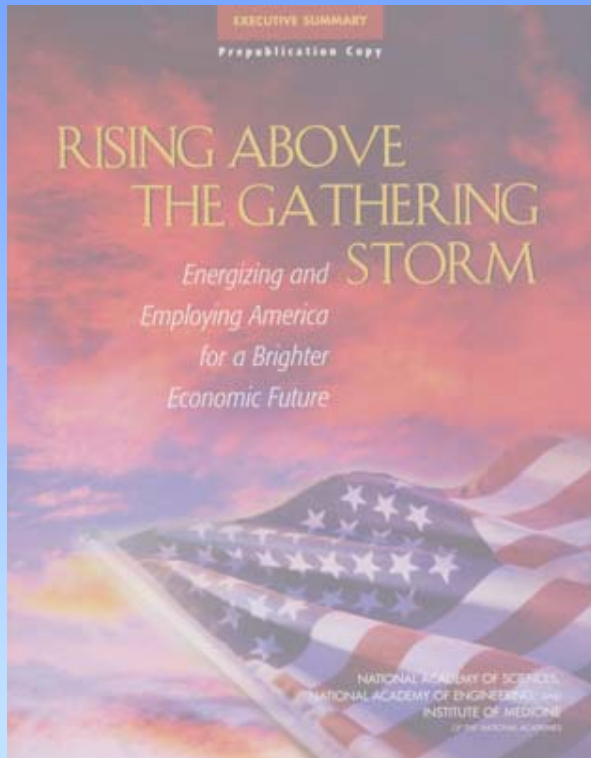
TIA

Task Force on the Future of American Innovation

[www.futureofinnovation.org](http://www.futureofinnovation.org)



# National Academies Report Democratic & Republican Proposals

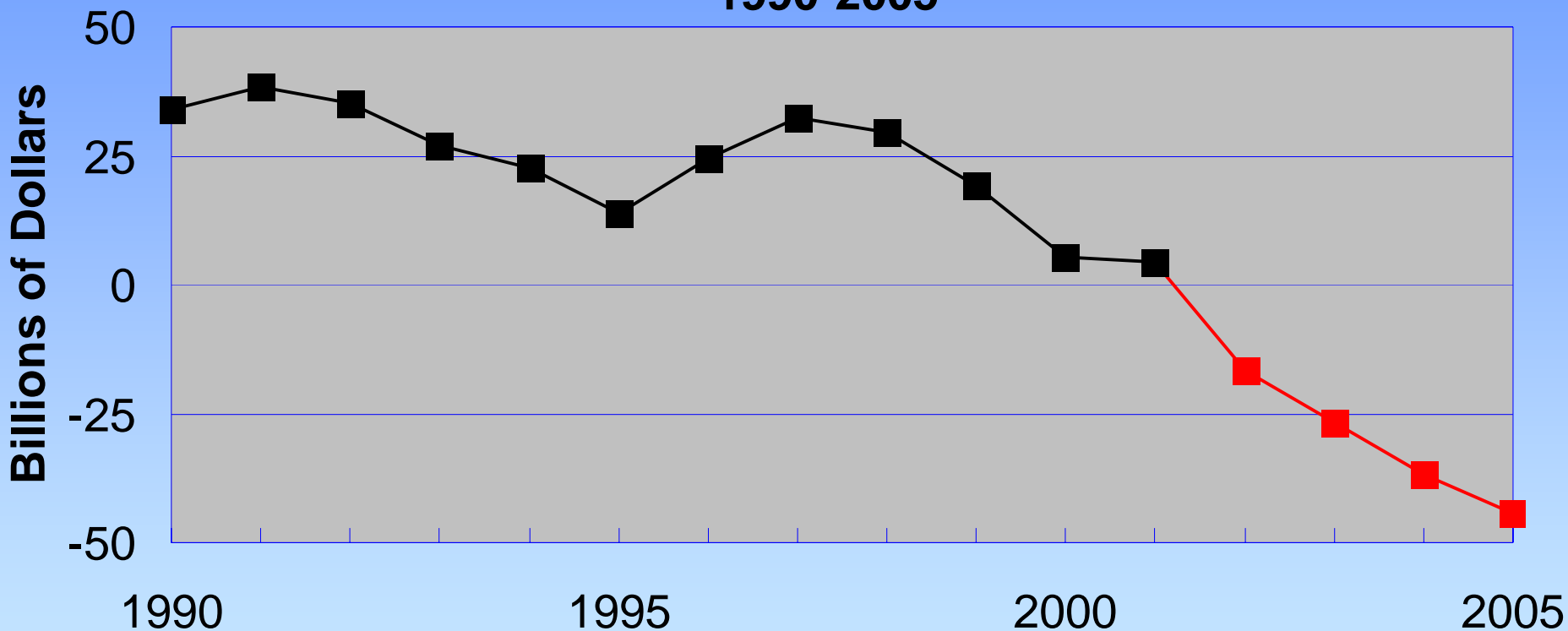


# R&D Benchmarks II Report

The Task force on the Future of American Innovation



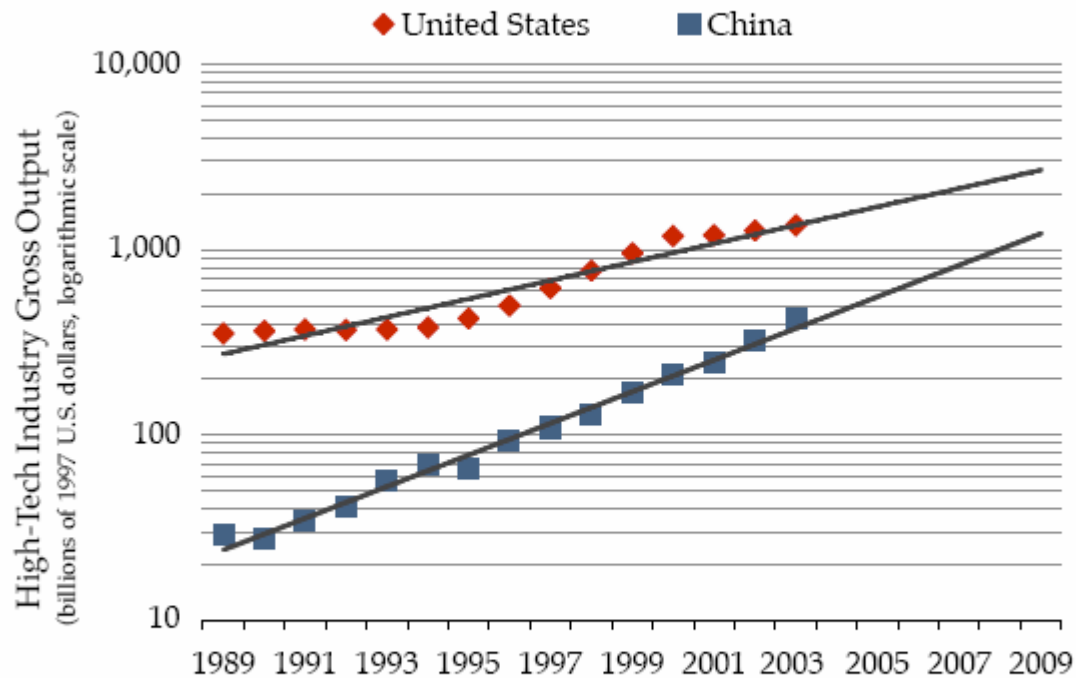
## U.S. Trade Balance for Advanced Technology Products 1990-2005



Source: U.S. Census Bureau Foreign Trade Statistics, *U.S. International Trade in Goods and Services*  
Compiled by the APS Office of Public Affairs.

# High-Tech Economy

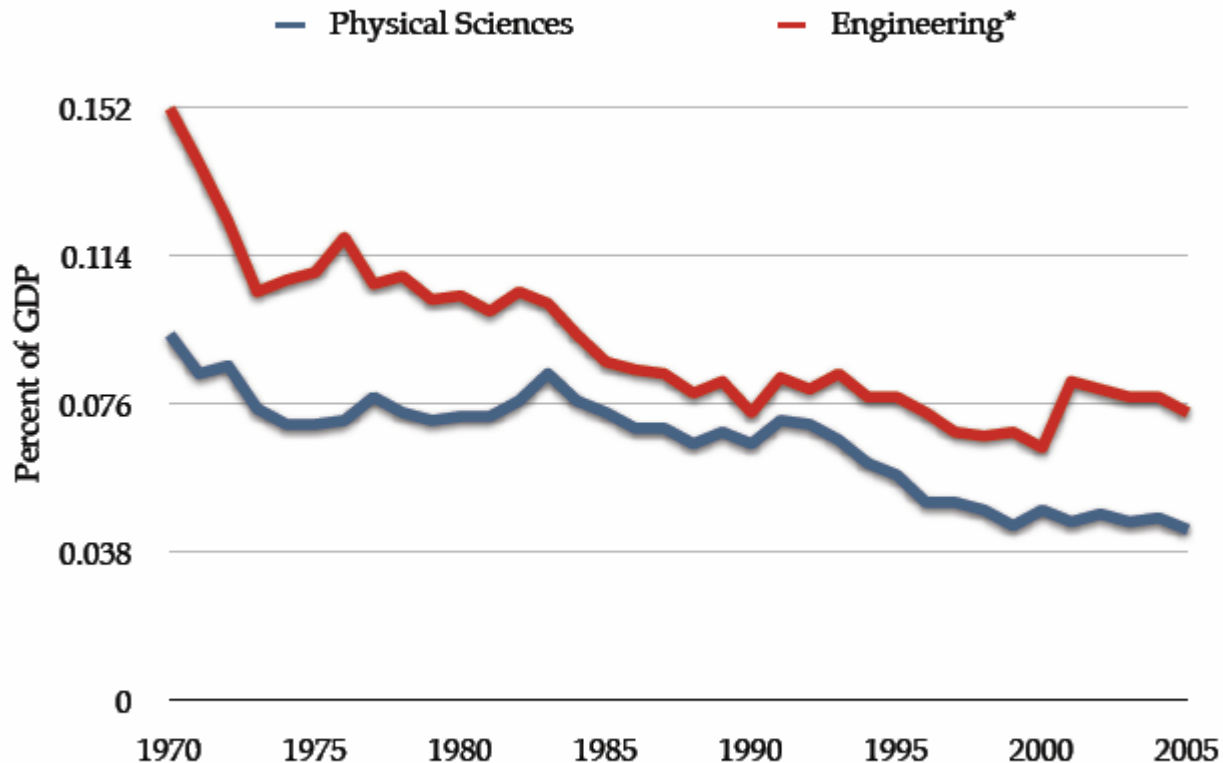
China Gaining Rapidly on U.S. in High-Tech Industry Output



Source: National Science Foundation, Science and Engineering Indicators 2006. Appendix Table 6-2. Compiled by the APS Washington Office.

# Decades of Neglect

Federal Investment in Physical Sciences and Engineering  
as Share of GDP in Significant Decline



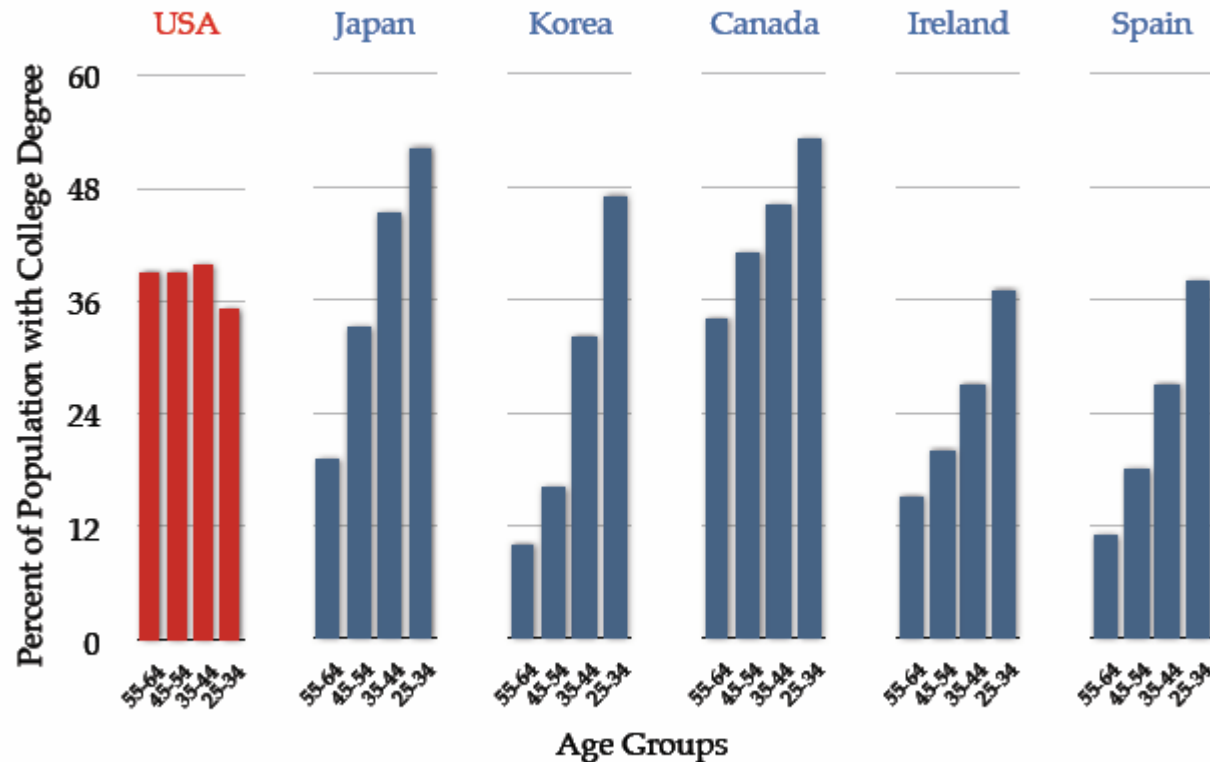
\*The 2001 jump in engineering is due to reclassification of funding and is therefore artificial.

Source: American Association for the Advancement of Science. <http://www.aaas.org/spp/rd/guidisc.htm>.

Compiled by the APS Washington Office.

# Education

Other Countries Educating Higher Proportion of Younger Generation



Source: Education at a Glance, 2005, OECD.

Compiled by the APS Physics Washington Office



# **AMERICAN COMPETITIVENESS INITIATIVE**

**LEADING THE WORLD IN INNOVATION**

**DOMESTIC POLICY COUNCIL  
OFFICE OF SCIENCE AND TECHNOLOGY POLICY**

**FEBRUARY 2000**

# October 2006 APS Forecast

- Election outcomes
  - **Scenario 1. Neither chamber changes hands**
  - **Scenario 2 Both chambers change hands**
  - **Scenario 3 Dems take over House only**
  - **Scenario 4 Dems take over Senate only**
- Possible appropriations scenarios
  - **Omnibus appropriations**
  - **Minibus appropriations**
  - **CR until February 2007 or longer**
  - **Year-long CR**

# The FY 2007 Mess and How It Got Cleaned Up

## The Inside Story

- ❖ **Dec 06 Obey and Byrd plan year-long CR with no exceptions**
  - **Intelligence and Advocacy**
    - **Holt**
    - **DeLauro**
  - **Which agencies? DOE, NIST, NSF**
  - **Media: Bill Broad (NYT), NPR “Science Friday”**
  - **APS Alert**

# The FY 2007 Mess and How It Got Cleaned Up

## The Inside Story

- ❖ **Dec 06 Obey and Byrd plan year-long CR with no exceptions**
  - **The Schumer Strategy**
    - **BNL Management**
    - **Jim Simons**
  - **The Pelosi Strategy**
    - **Eshoo**
      - **AeA, SIA, TI, Task Force on Future of American Innovation**
      - **California Research Universities, Northrup Grumman**
    - **Lofgren**
    - **Miller**
    - **DeLauro**
    - **Emanuel**

# The FY 2007 Mess and How It Got Cleaned Up

## The Inside Story

- ❖ **Dec 06** Obey and Byrd plan year-long CR with no exceptions
- ❖ **Jan 07** Obey and Byrd agree to limited adjustments
  - **Targeting the appropriations subcommittees**
    - **Senate CJS (Mikulski and Shelby)**
      - AAU, NASULGC
      - 200 APS letters to Mikulski
      - Lieberman “Dear Colleague” (23 total but only 3 R)
    - **Senate Energy & Water (Dorgan & Domenici)**
      - Alexander-Bingaman “Dear Colleague” (45 total: 27 D 18 R)
      - Domenici
      - Schumer

# The FY 2007 Mess and How It Got Cleaned Up

## The Inside Story

- ❖ Dec 06 Obey and Byrd plan year-long CR with no exceptions
- ❖ Jan 07 Obey and Byrd agree to limited adjustments
  - Targeting the appropriations subcommittees
    - House CJS (Mollohan and Frelinghuysen)
      - MSL
      - AAU and NASULGC
      - Princeton
      - Holt, Ehlers, Gordon
    - House Energy & Water (Visclosky and Hobson)
      - Holt, Tauscher, Biggert
      - Indiana University Presidents
      - DeLauro

# The FY 2007 Mess and How It Got Cleaned Up

## The Inside Story

- ❖ Feb. 1, 07 Members of Congress flooded with APS letters
- ❖ Feb. 9, 07 Emanuel: Science joins veterans and highways as a priority

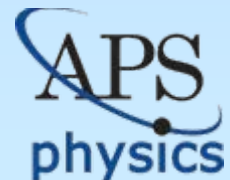
# FY 2007 Appropriations

## February 15, 2007 Enacted

Account	FY05 (\$B)	FY06 (\$B)	FY07 (\$B)	FY07 Request		Congress			
				(\$B)	% Change	House (\$B)	Senate (\$B)	FY07 CR (\$B)	% Change
DOE Science	3.57	3.47		4.10	+18	4.10	<u>4.17</u>	3.80	9.4
DOE Renewables	1.21	1.16		1.17	+0.8	1.17	<u>1.17</u>	1.46	25.9
NSF	5.48	5.58		6.02	+7.8	6.02	<u>5.99</u>	5.91	5.9
NIST STRS	0.37	0.38		0.47	+18	0.47	<u>0.47</u>	0.43	13.1
NIST ATP	0.11	0.06		0.00		0.00	<u>0.00</u>	0.06	
DOD 6.1	1.49	1.47	1.54	1.42	-3	1.56	1.48		4.5
DOD 6.2	4.79	5.17	5.21	4.48	-13	5.25	4.81		0.7
NASA Science	5.50	5.25		5.33	+1	5.41	<u>5.4</u>	5.25	0.0

**Adjusted for earmarks**

**Action by Appropriations Committee only**



# Status of FY 2008 Appropriations

Account	FY05 (\$B)	FY06 (\$B)	FY07 (\$B)	FY08 Request		Congress			
				(\$B)	% Change				
DOE Science	<b>3.57</b>	<b>3.47</b>	3.80	4.40	+15.8				
DOE Renewables		1.16	1.46	1.23	-15.6				
NSF	5.48	5.58	5.91	6.43	+8.8				
NIST STRS	0.38	<b>0.40</b>	0.43	0.50	+17.2				
NIST ATP		0.06	0.06	0.00	-100				
DOD 6.1	1.49	1.47	1.54	1.42	-7.8				
DOD 6.2	4.79	5.17	5.21	4.36	-16.3				
NASA Science	5.50	5.25	5.25	<b>5.52</b>	<b>NA</b>				

**Adjusted for earmarks**

**NASA Science accounting changed in FY 08**

