

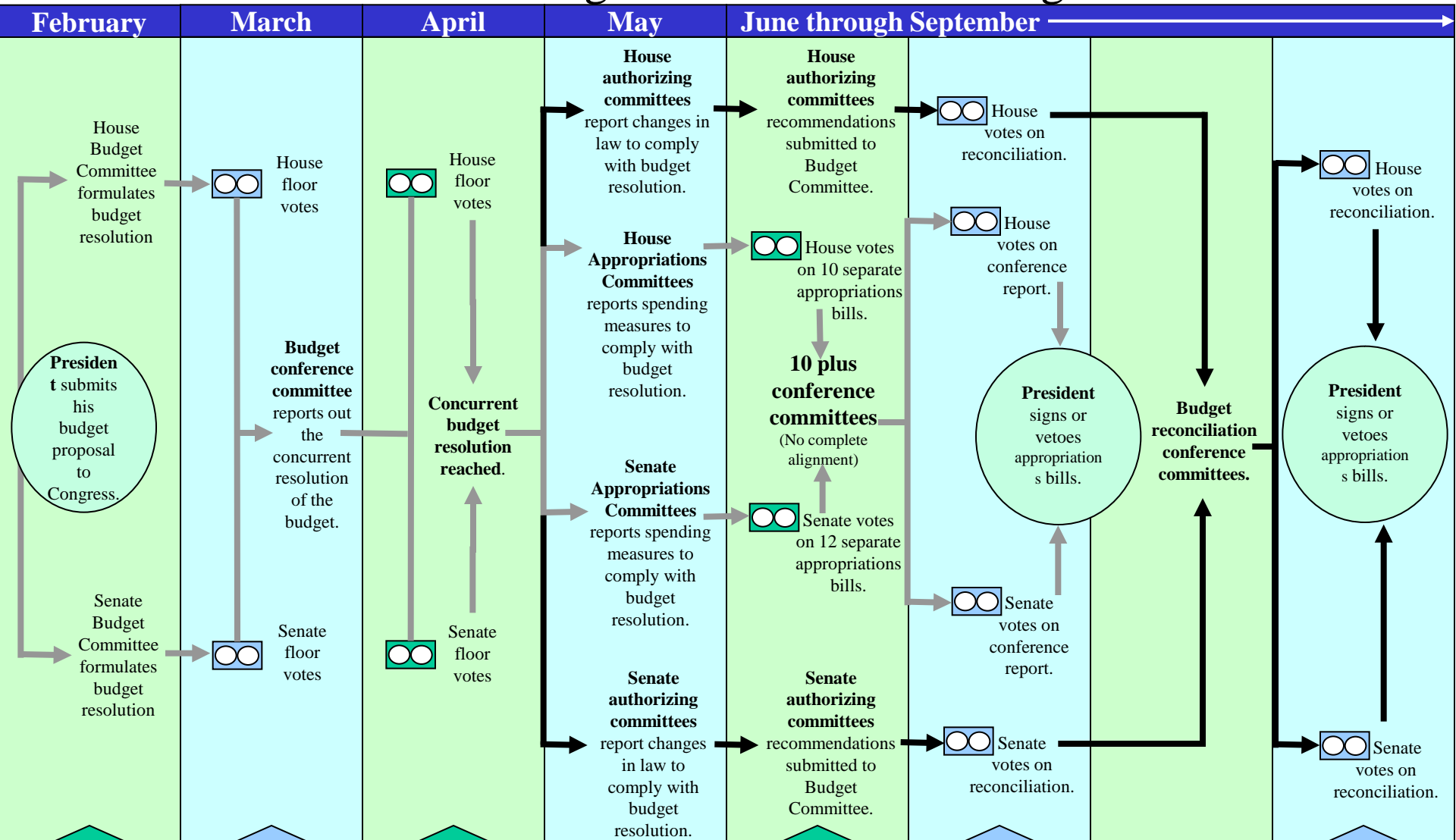


An Introduction to Budget at the Federal and NSF Levels



Federal Budget & Process

The Long Path to a Federal Budget



The president's budget is not binding and is considered the administration's proposal and request. With it comes volumes of information, including budget justifications from each agency that help Congress complete its own budget. The president's budget generally is submitted by the first Monday in February.

The House and Senate budget committees develop their own versions of a budget resolution. If the traditional schedule holds, both are developed by early April, and the leading budget committee members from both chambers develop a consensus agreement called a conference report that is typically adopted in April/May.

The two chambers arrive at a concurrent budget resolution, which is not formally a law and does not require the president's signature. However, the House and Senate have enforcement procedures to ensure directives are met. The budget resolution sets in motion legislation that, when enacted, has the force of law.

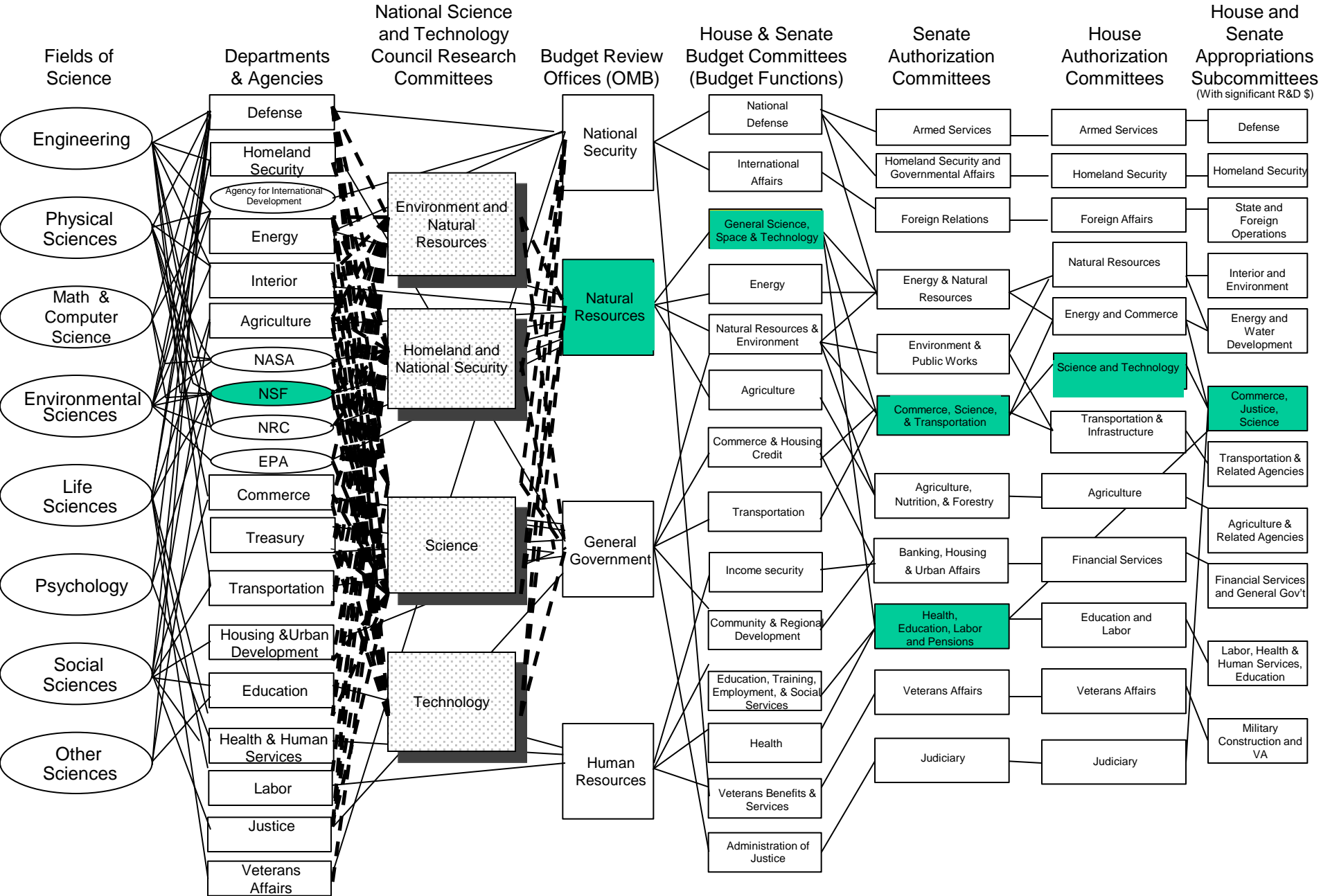
Appropriations bills cover the discretionary portion of the budget and don't affect mandated benefit programs such as Social Security and Medicare. Two or more of the appropriations measures can be lumped into a single omnibus appropriations bill. All of the bills must be signed by the president to become law.

Another portion of the funds goes to authorizing committees for entitlements and other mandatory spending. To change these amounts, laws must be rewritten and voted on in reconciliation legislation, which requires presidential signature to become law.

If all 13 appropriations bills aren't signed by Oct. 1, the start of the new fiscal year, Congress may pass a continuing resolution to fill the gap. If Congress fails to pass the resolution or the president vetoes it, nonessential activities in government are shut down until appropriations for them are enacted.

Showing Fields of Science and Executive and Legislative Decision Units

Connecting lines indicate location of agency budget decisions, but not decision sequences.



Spending America's Income

Broad revenue and spending categories in President Obama's fiscal 2010 budget:

Where it comes from (receipts)

\$2.3 Trillion

Individual income tax:
\$1,051 billion

Corporate income tax:
\$179 billion

Payroll tax:
\$940 billion

Excise tax: **\$75 billion**

Estate and gift tax: **\$20 billion**

Customs duties: **\$24 billion**

Other: **\$44 billion**

Deficit: \$1,258 billion

How it would be spent (outlays)

\$3.6 Trillion

\$707 billion: Defense
(discretionary)

\$687 billion: Discretionary
(non-defense)

\$696 billion: Social Security

\$452 billion: Medicare

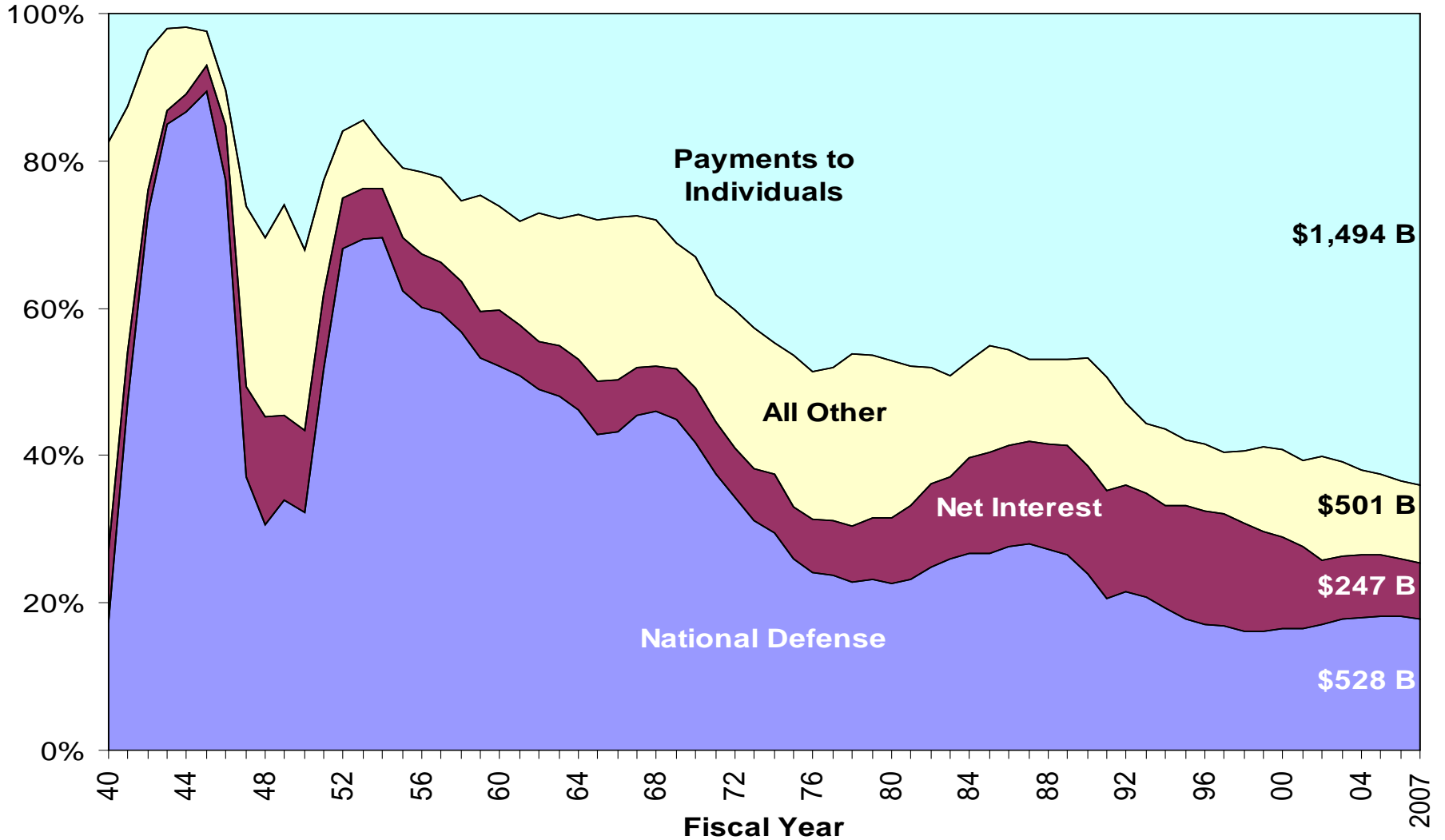
\$136 billion: Interest on debt

\$290 billion: Medicaid

\$623 billion: Other

**\$3.6
Trillion**

Percentage Composition of Federal Government Outlays

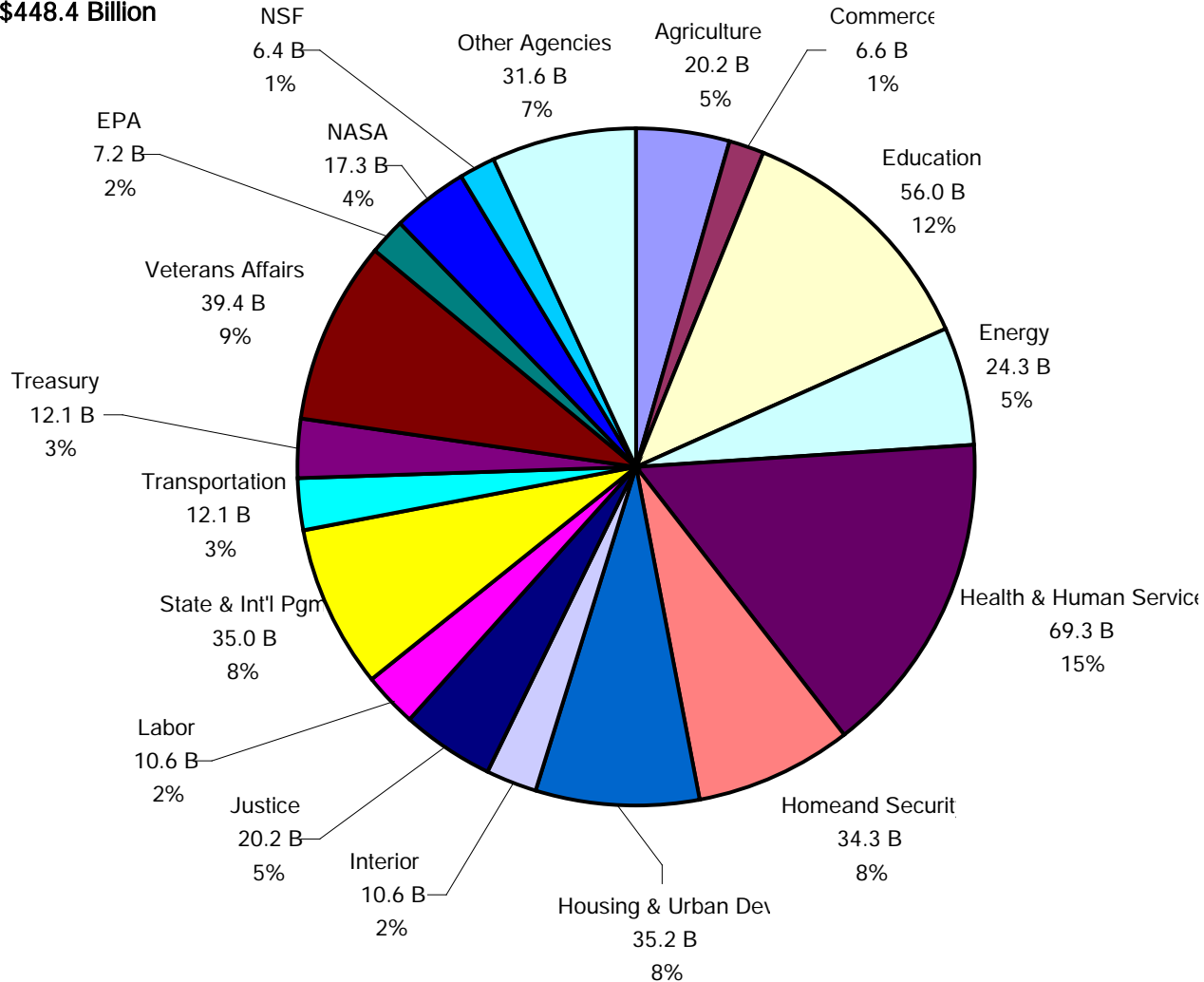


Year	1940	1971	2007
Current \$	\$9.5B	\$210.2B	\$2,770B

President's Request for Non-Defense Discretionary Budget Authority

By Major Agency -- FY 2008

Total = \$448.4 Billion

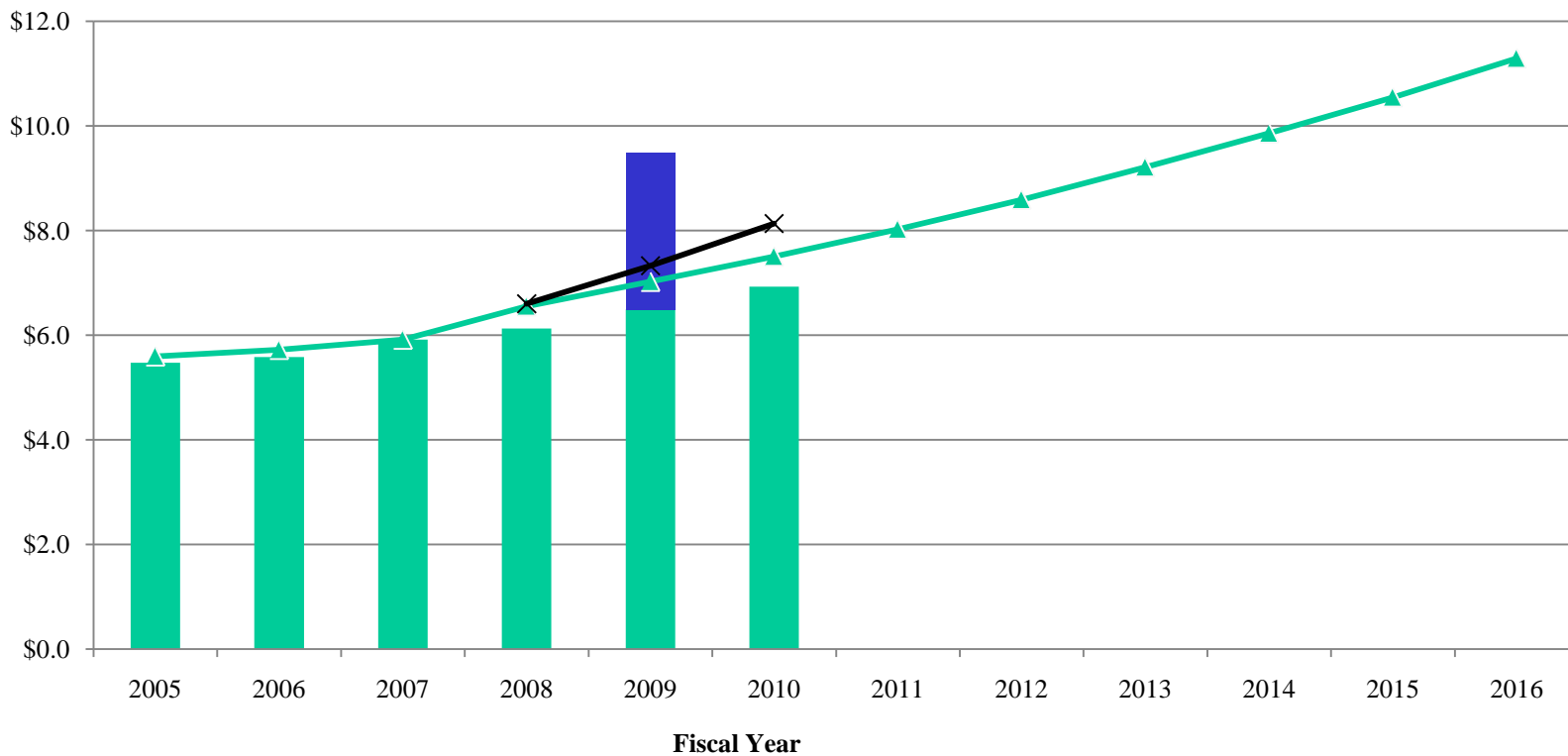




NSF's Budget

Recent and Outyear NSF Funding

\$ in Billions



NSF Appropriations

ARRA Appropriations

American Competitiveness Initiative

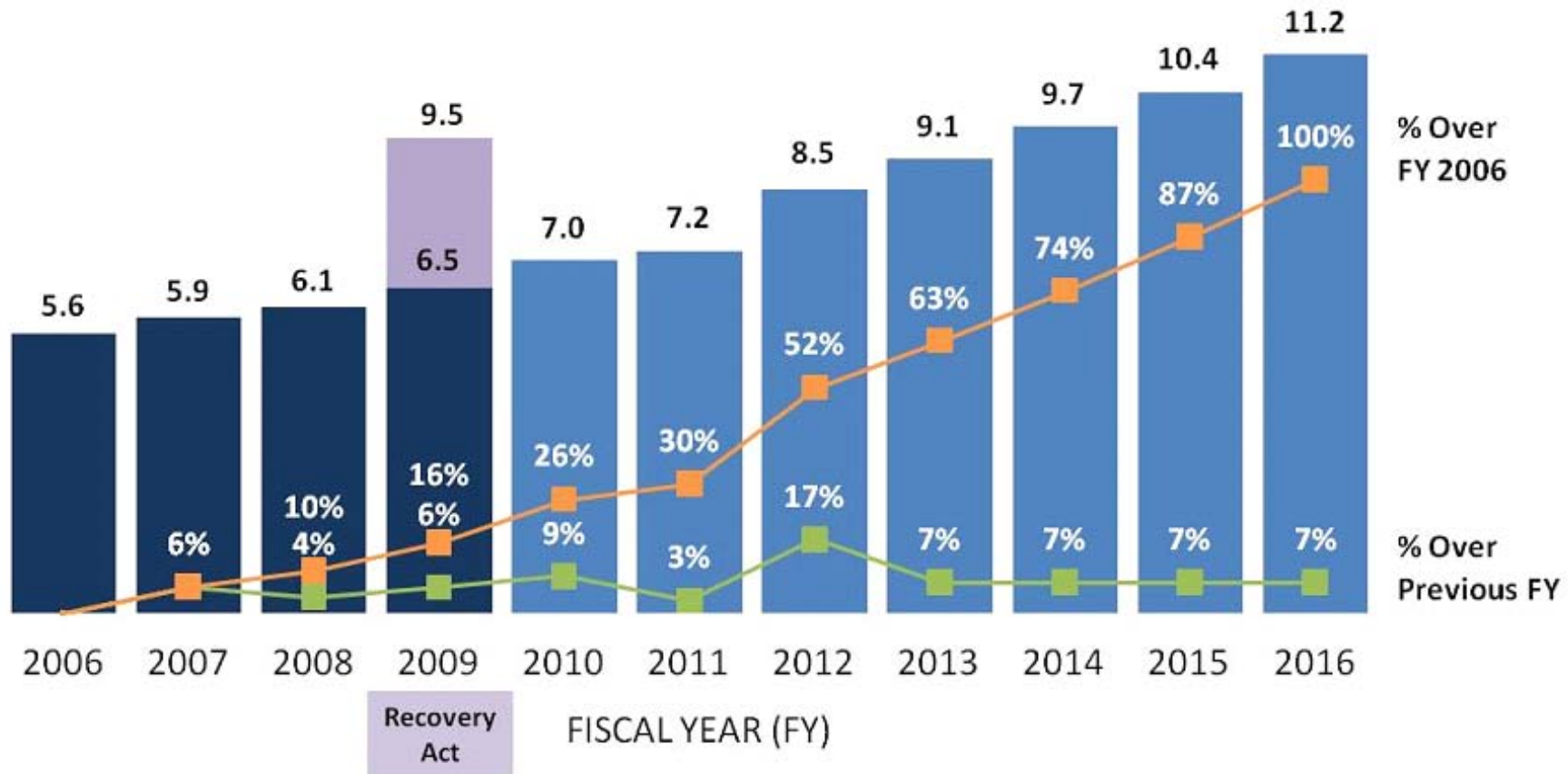
America COMPETES Act

FY 2009 Appropriation

Appropriations Account	FY 2009 Appropriation	FY 2009 Recovery Act	Total FY 2009 Appropriations
Research & Related Activities	\$5,183	\$2,500	\$7,683
Education & Human Resources	\$845	\$100	\$945
Major Research Equipment & Facilities Construction	\$152	\$400	\$552
Agency Operations & Award Management	\$294	-	\$294
National Science Board	\$4	-	\$4
Inspector General	\$12	\$2	\$14
TOTAL	\$6,490	\$3,002	\$9,492

President's Plan for Science & Innovation

Total NSF Funding: President's Plan for Science and Innovation
FY 2006-FY 2016 (dollars in billions)



FY 2010 Appropriations: Marks

FY 2010 Request	House Mark	Senate Mark	Conference Mark	Conf. Less FY 2010 Request	
				Amount	Percent
\$5,733	\$5,642	\$5,618	\$5,618	-\$115	-2%
\$858	\$863	\$858	\$873	\$15	2%
\$117	\$114	\$122	\$117	-	0%
\$318	\$300	\$300	\$300	-\$18	-6%
\$4	\$4	\$4	\$5	\$0.2	5%
\$14	\$13	\$14	\$14	-	-
\$7,045	\$6,937	\$6,917	\$6,927	-\$118	-2%

6.70%

FY 2010: Major Themes and Priorities

- Potentially Transformative Research
 - \$92 million to leverage activities
- Examples:
 - EAGER
 - Sandpit process

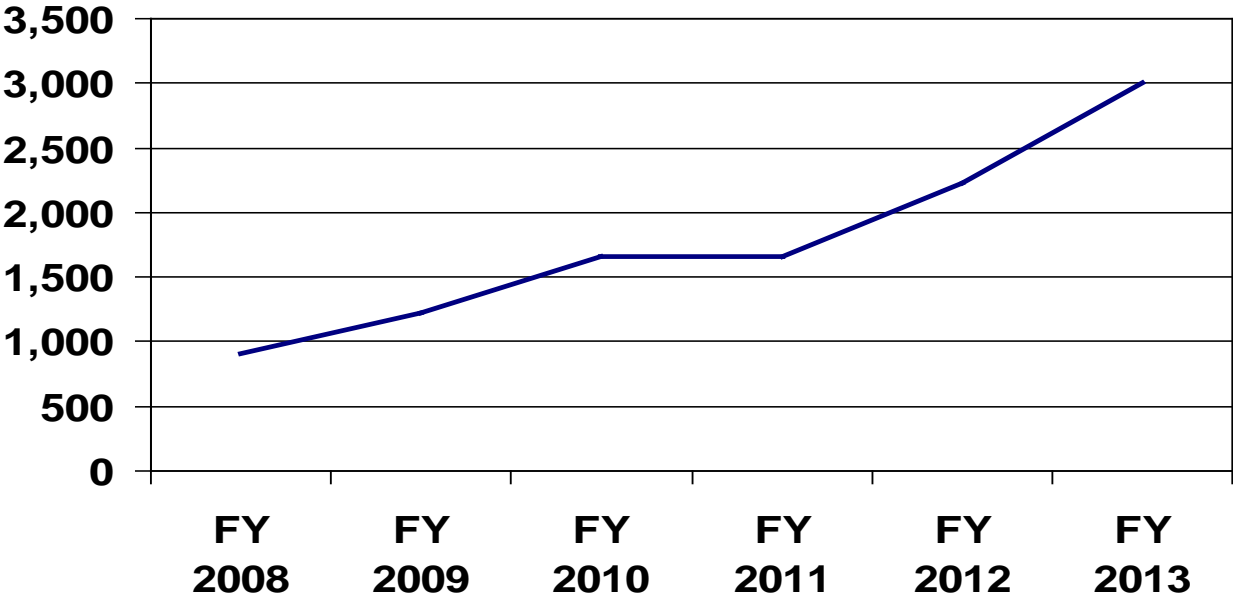
FY 2010: Major Themes and Priorities

- New Faculty and Young Investigators
 - CAREER - \$204 million
- Workforce development
 - Advanced Technological Education (ATE) - \$64 million
- Climate Change
 - Climate Change Education program - \$10 million
- Clean Energy
 - RE-ENERGYSE - joint NSF/DOE activity

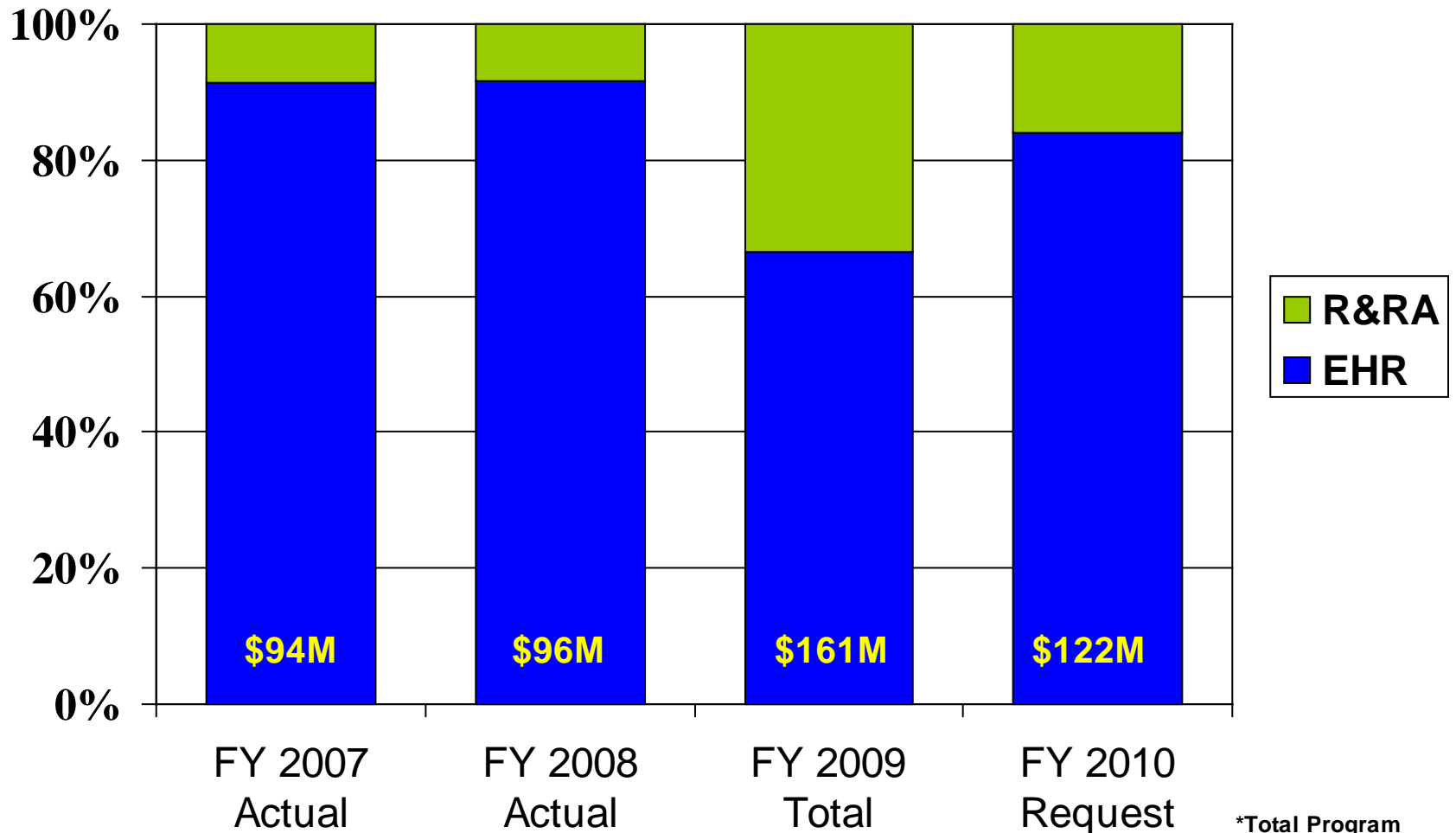
FY 2010: Major Themes and Priorities

- ▣ Graduate Research Fellowships

 - ▣ Triple the number of new fellowships by 2013



GRF Funding by Account



*Total Program Funding Listed

FY 2010: Major Themes and Priorities

- Cyber-enabled Discovery and Innovation (CDI)
\$103 million - +\$32 million over '09
- Science & Engineering Beyond Moore's Law (SEBML)
\$47 million - +\$31 million over '09
- Climate Research (CR)
\$197 million – builds on existing NSF activities

FY 2010: Major Themes and Priorities

- ▣ Major Research Instrumentation**

 - ▣ \$100 million

- ▣ EPSCoR

 - ▣ \$147 million

- ▣ Cybersecurity

 - ▣ \$127 million

FY 2010: Major Themes and Priorities

- ▣ Science and Technology Centers

 - ▣ New cohort of STCs planned

- ▣ Networking and Information Technology Research and Development (NITRD)

 - ▣ \$1.1 billion, +\$107 million

- ▣ National Nanotechnology Initiative (NNI)

 - ▣ \$423 million, +\$26 million

 - ▣ Total includes \$30 million for EHS

EHR Programs

- Education and Human Resources: \$857.76, +1.5%
 - ▣ Graduate Fellowships (GRF, IGERT, GK-12):
\$245.19M,
+ \$9.57M, +4.1%.
 - ▣ HBCU-UP: \$32M, +\$500K, +1.6%
 - ▣ LSAMP: \$44.75M, + \$2.25M, +5.3%
 - ▣ TCUP: \$13.35M, -\$150K, -1.1%
 - ▣ MSP: \$58.22M, -\$2.78M, -4.6%
 - ▣ Noyce: \$55M, flat with FY09 Current Plan

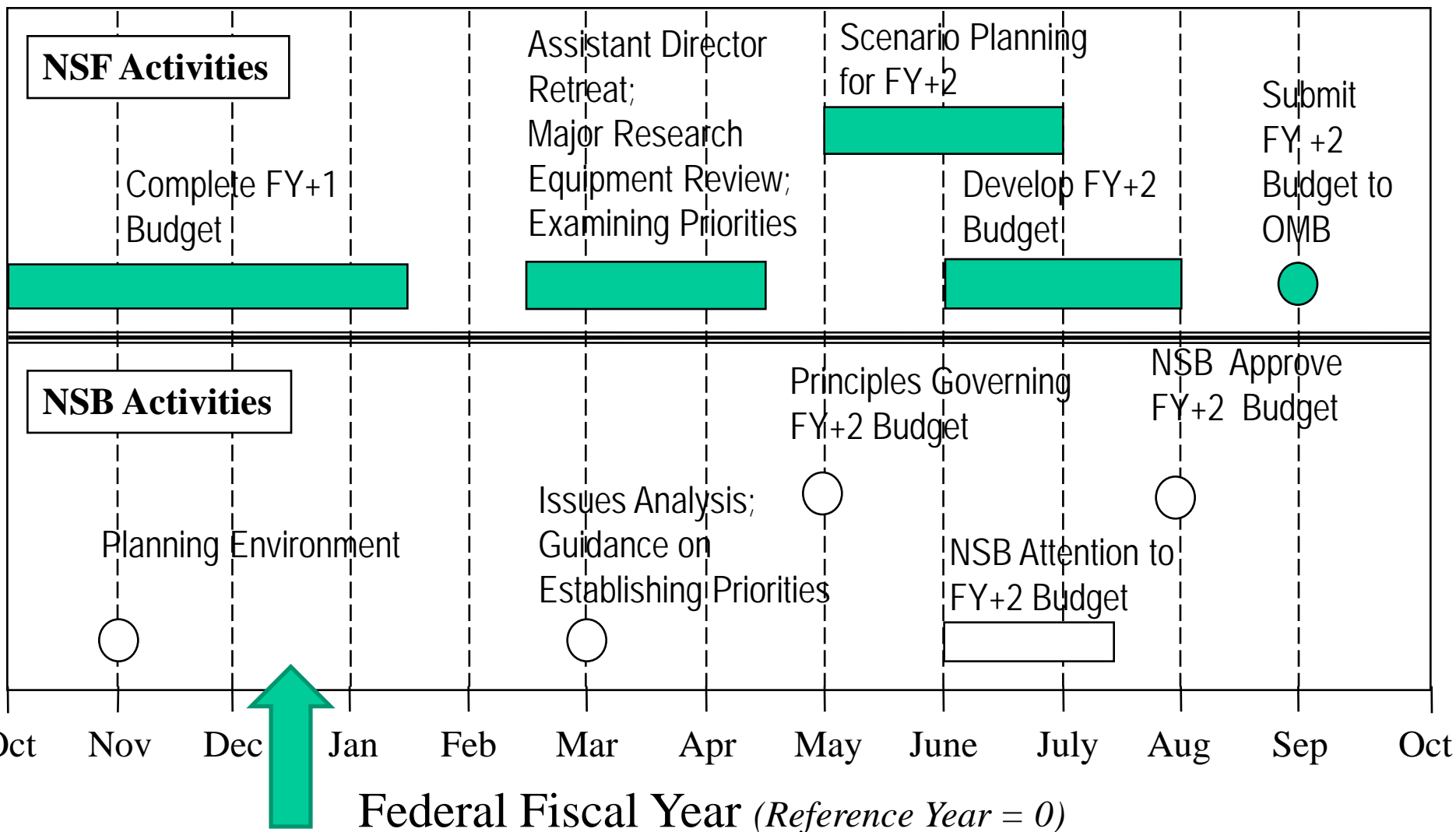
Major Research Equipment and Facilities Construction

	FY 2009 Current Plan	FY 2009 Recovery Act	FY 2010 Request
Advanced LIGO	\$51	-	\$46
Atacama Large Millimeter Array	82	-	43
Alaska Region Research Vessel	-	\$148	-
Advanced Technology Solar Telescope	7	146	10
IceCube	11	-	1
Ocean Observatories Initiative	-	106	14
Judgment Fund	-	-	3
MREFC Total	\$152	\$400	\$117



NSF's Budget Process

Budget Formulation and Planning Cycle





NSF Budget Formulation

February 2010

February – FY 2011 Budget to Congress

March/April – Hearings on FY 2011

March - June Planning for FY 2012

May 2010 NSB: Budget Discussion on FY 2012

May/June Budget Calls for FY 2012

August NSB: FY 2012 OMB Budget Approved

September - OMB Submission of FY 2012

September - Close Out of FY 2010

October 1 - FY 2011 Current Plan

October/November - OMB Hearings on FY 2012

December 1 - OMB Passback/Appeal

February 2011





NSF BUDGET EXECUTION

August 2009

August – Develop initial interim operating plans for FY 2010

September – Make interim operating plans available

October 1 – Enactment of Appropriations (*December 18*)

November 1 – Submit Current Plan to Congress (*January/February*)

December 1 – Congress Approves Current Plan (*February/March*)

December – Finalize Operating Plans (*February/March*)

December thru August – **SPEND!**

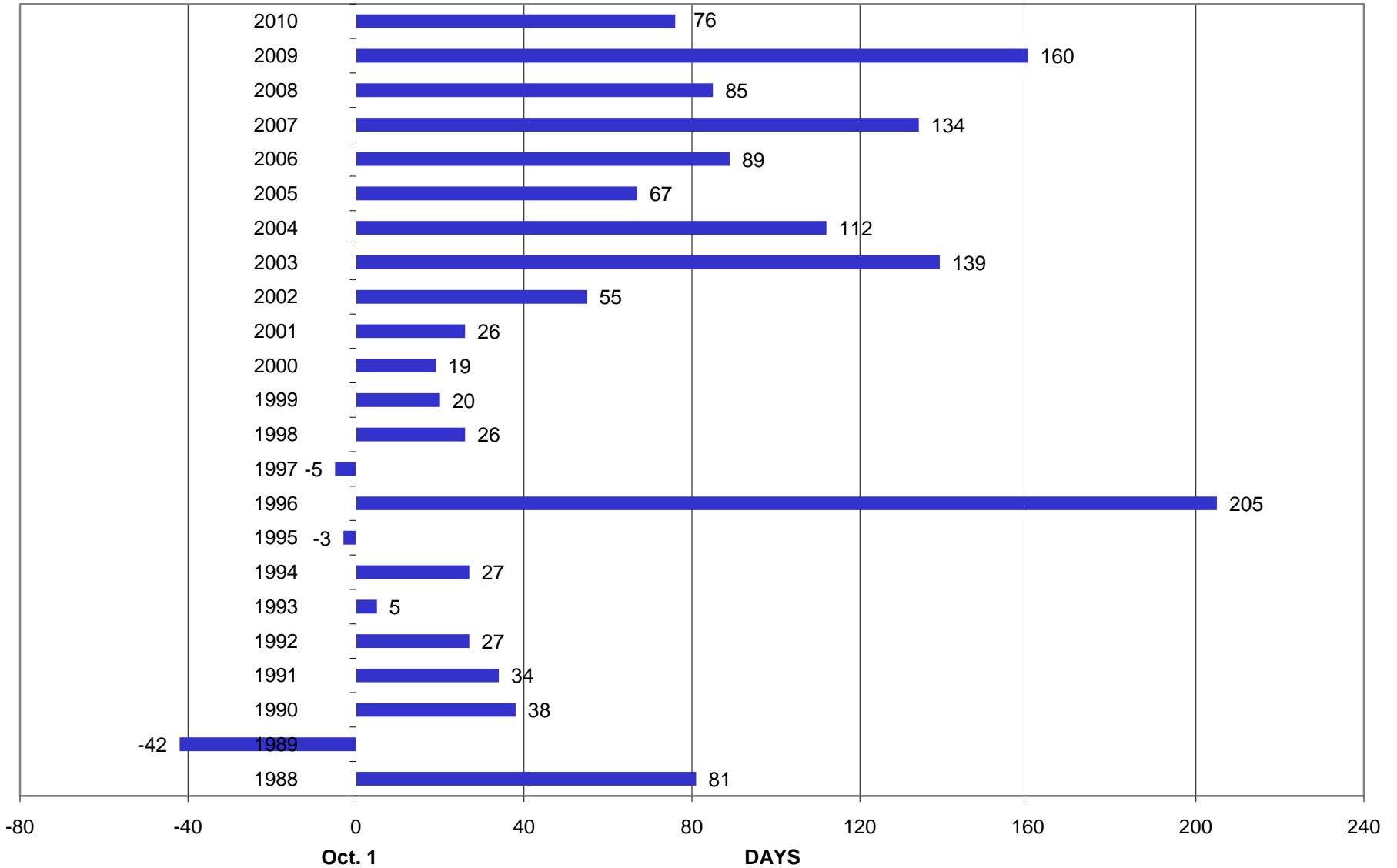
August – Deadline for Processing Actions

September – Close-out

September 2010

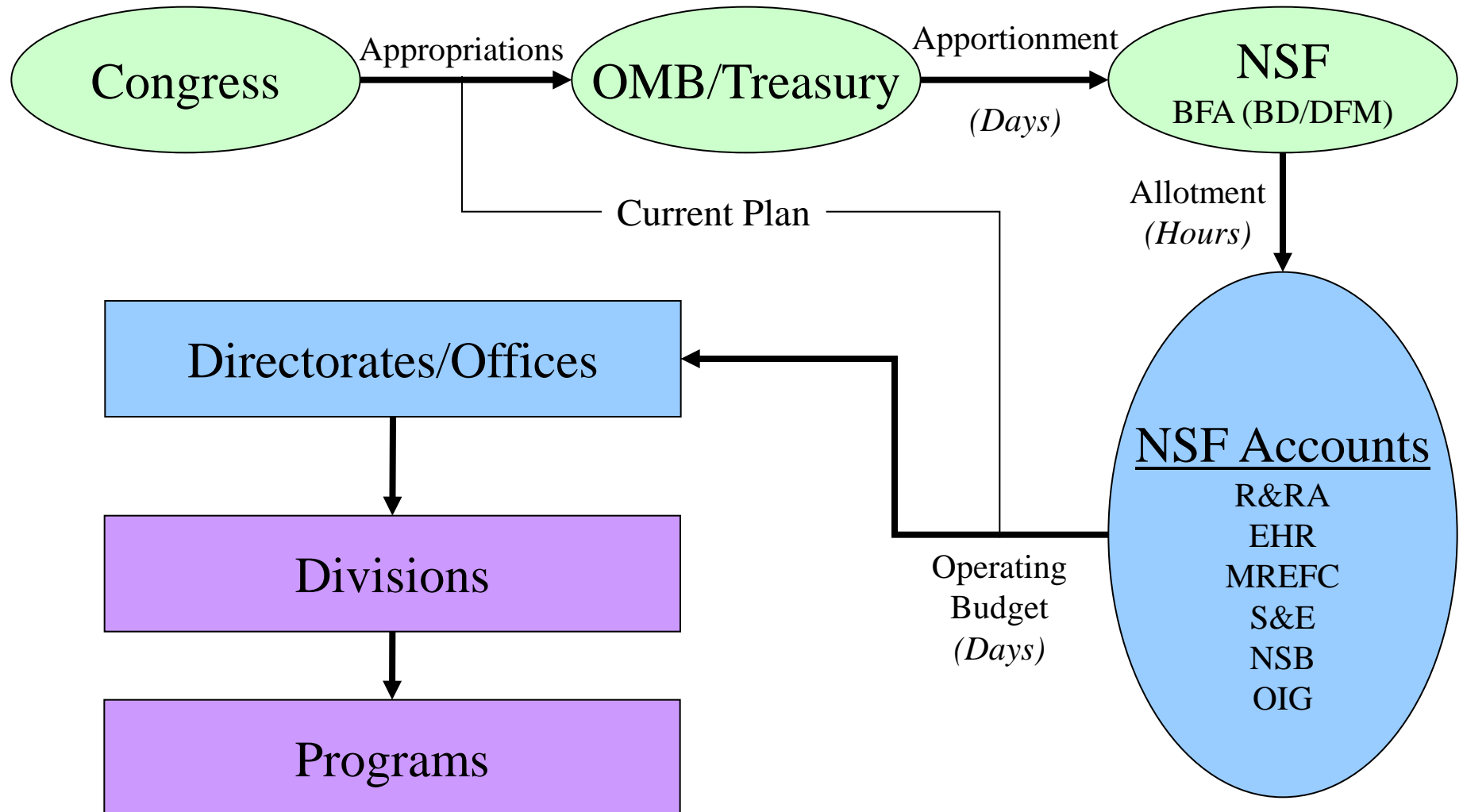
APPROPRIATIONS DRIFT

NSF Appropriations Dates versus Start of Federal Fiscal Year Oct. 1





How the Money Flows to Your Office





Where to find budget information.



Budget References

- **Congress:** www.nsf.gov/od/lpa/congress/
www.thomas.loc.gov/home/thomas2.html
- White House:** www.omb.gov
www.ostp.gov
- NSF:** www.nsf.gov/bfa/bud/start.htm
<http://dellweb.bfa.nsf.gov/>
www.inside.nsf.gov/bfa/budget_primer/index.cfm
- **Other:** www.aaas.org/spp/rd/

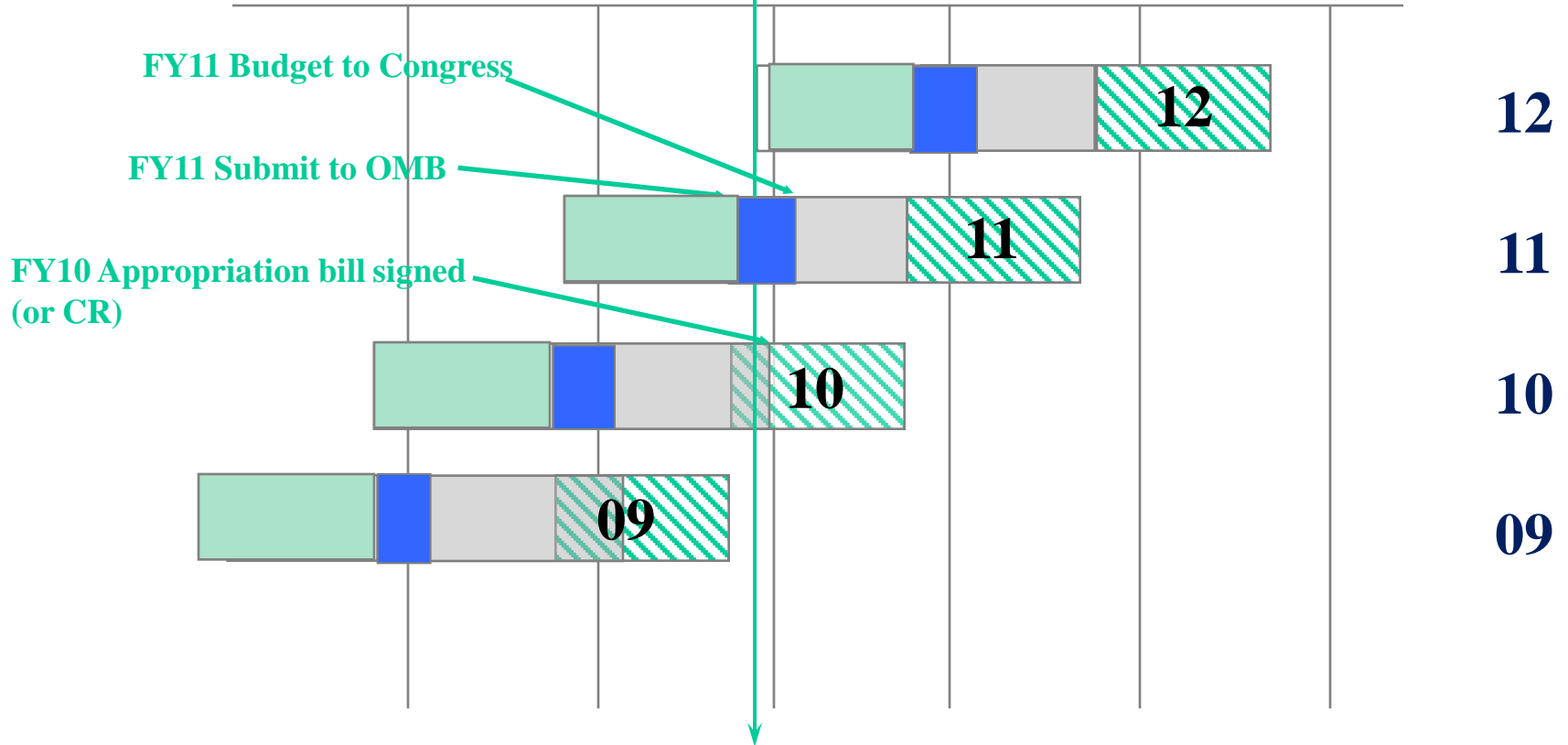


NSF Budget Division: Major Responsibilities

- Annual Budget Submissions to OMB and Congress
- Annual Performance and Accountability Report
- Materials for Congressional Hearings
- Long-Range Planning Materials for NSB, O/D
- Special Analysis for COVs, NSF-wide activities
- Review of major documents (Clearance)
- Budget Execution (with DFM)
- Enterprise Information System (EIS)
- Budget Internet Information System (BIIS)
- Input to OMB budget database (MAX)
- Advisory Committee for GPRA Performance Assessment (AC/GPA)
- APIC GPRA Working Group
- Verification & Validation of GPRA/PART Goals

We are here

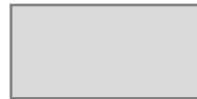
Calendar yr **07** **08** **09** **10** **11** **12** **FY Budget**



NSF



OMB/NSF



Congress



Execution