



National Science Foundation GRANTS CONFERENCE

TAMPA, FL JUNE 1-2, 2015

Introduction & NSF Overview



Hosted by the State University System of Florida at the University of South Florida

Panelist

Martha Rubenstein

Chief Financial Officer and Head, Office of Budget, Finance & Award Management



Ask Early, Ask Often!



Topics Covered

- **Origins of NSF**
- **NSF Organization**
- **NSF Budget in the Federal Context**
- **NSF Fiscal Year 2016 Budget Request**
- **Funding Trends**
- **Key Documents**
- **Questions**



Origins of NSF



- **“The Government should accept new responsibilities for promoting the flow of scientific knowledge and the development of scientific talent in our youth.”**
 - **Science - The Endless Frontier, 1945**
- **1947: Congress Approves, Truman Vetoes**
- **1950: Compromise Bill Approved & Signed by Truman**



NSF Act of 1950

- **“To promote the progress of science...”**
- **NSB (24) and 1 Director, appointed by the President**
- **Encourage & develop a national policy for the promotion of basic research and education in the math, physical, medical, biological, engineering and other sciences**
- **Initiate & support basic scientific research in the sciences**
- **Evaluate the science research programs undertaken by agencies of the Federal government**
- **Provide information for S&E policy formation**



NSF in a Nutshell

- **Independent Agency**
- **Supports basic research & education**
- **Uses grant mechanism**
- **Low overhead; highly automated**
- **Discipline-based structure**
- **Cross-disciplinary mechanisms**
- **Use of Rotators/IPAs**
- **National Science Board**



Personnel Update



Joanne Tornow, selected as Head,
Office of Information & Resource
Management



Rebecca Spyke Keiser, selected as
Head, Office of International Science
& Engineering



Dr. James Olds, selected as
Assistant Director for Biological
Sciences



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Personnel Update



Dr. James Kurose selected as Assistant Director for the Directorate for Computer & Information Science & Engineering



Dr. Fay Lomax Cook selected as Assistant Director for the Directorate for Social, Behavioral & Economic Sciences

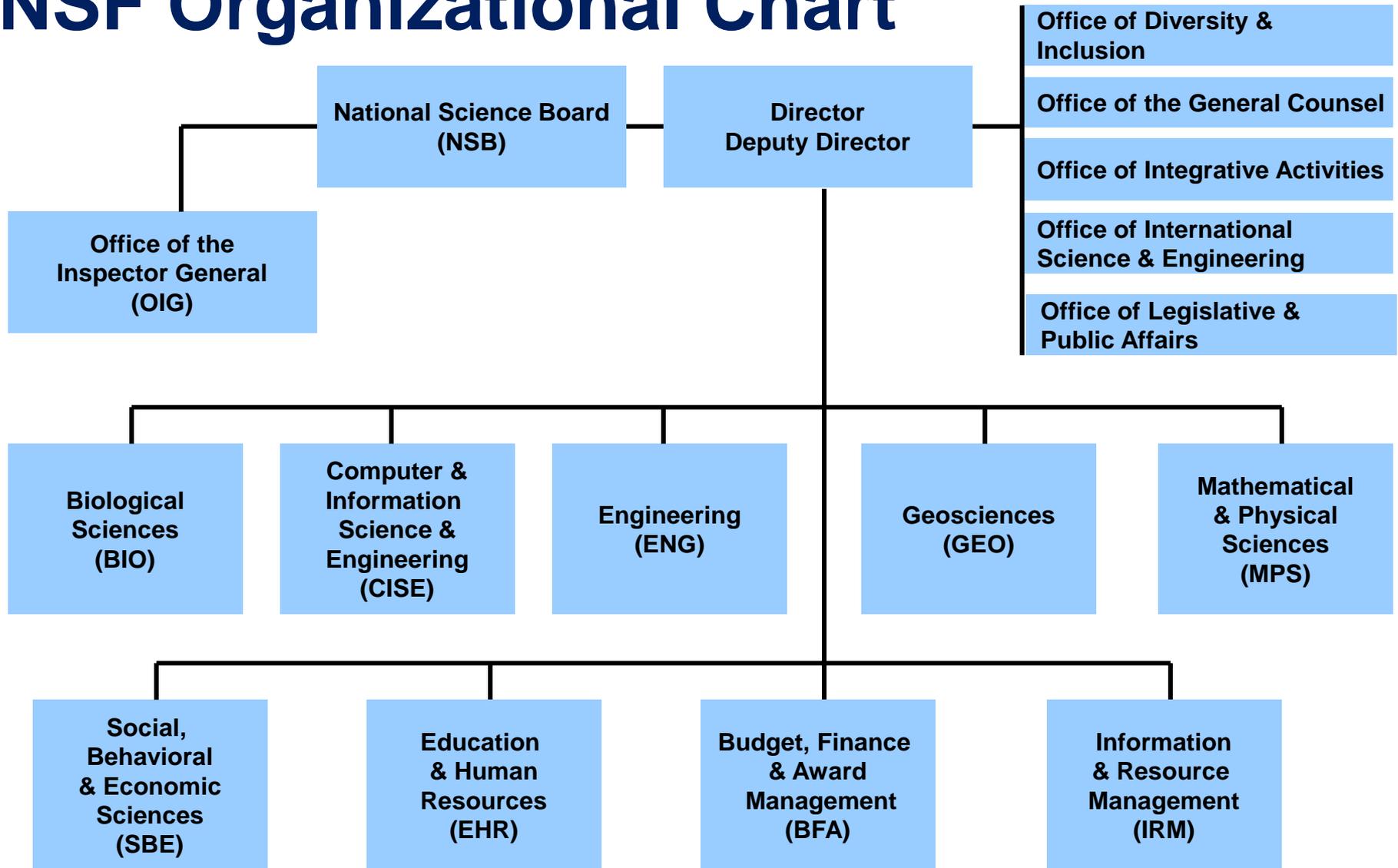


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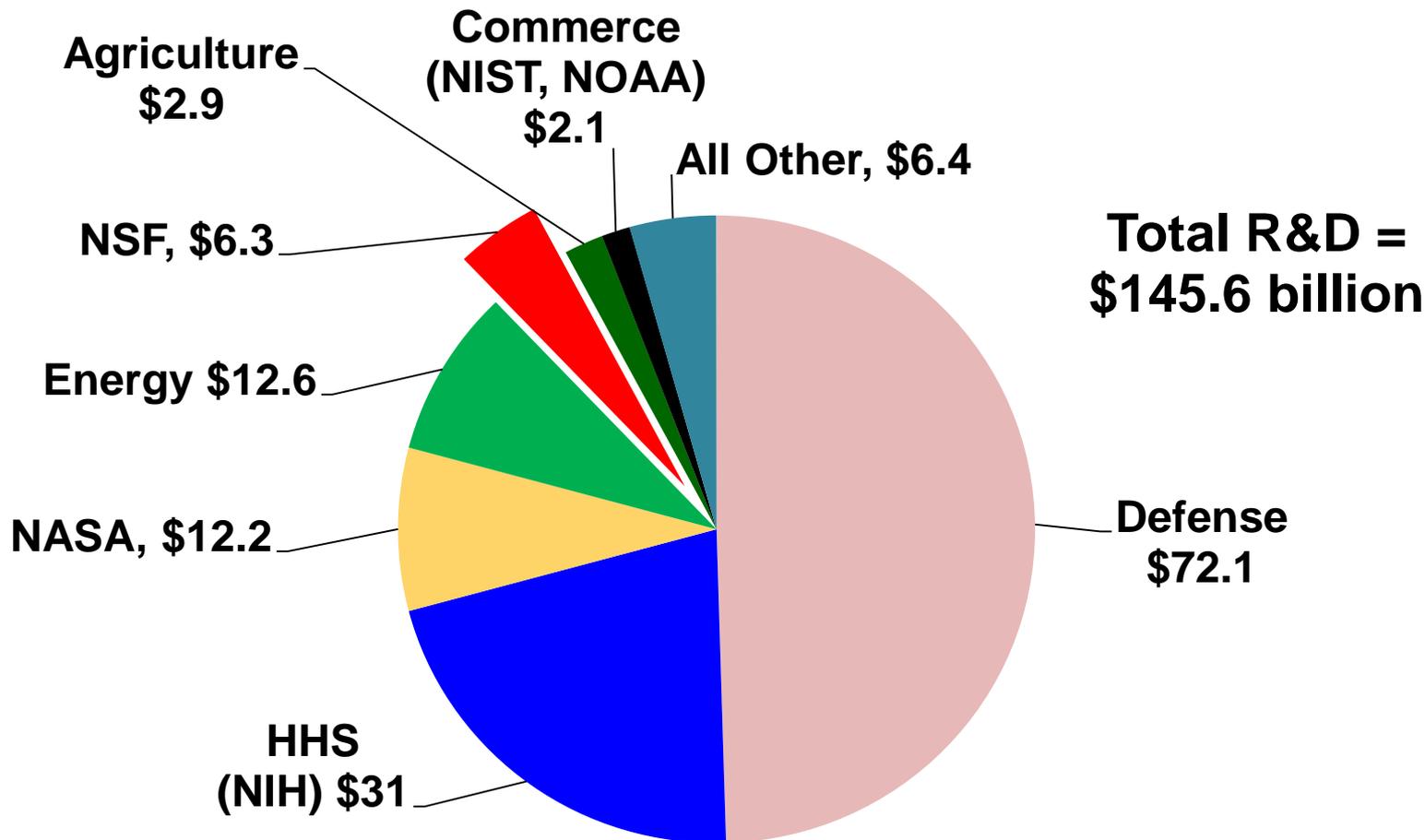
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NSF Organizational Chart



FY 2016 Request: Total R&D by Agency

Budget Authority in Billions of Dollars



The Big Picture



FY 2016 Budget Request

Total: \$7.72 billion

Increase: \$379.34 million

5.2% over FY 2015



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FY 2016 Budget Request

NSF Budget by Appropriation (\$ in millions)

	FY 2016 Request	Change over FY 2015	
		Amount	Percent
Research & Related Activities	\$6,186.30	\$252.66	4.3%
Education & Human Resources	962.57	96.57	11.2%
Major Research Equipment & Facilities Construction	200.31	-0.45	-0.2%
Agency Operations & Award Management	354.84	29.84	9.2%
National Science Board	4.37	*	*
Office of Inspector General	15.16	0.73	5.1%
Total NSF	\$7,723.55	\$379.34	5.2%

Totals may not add due to rounding.

* Denotes <\$500,000.



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FY 2016 Budget Action to Date

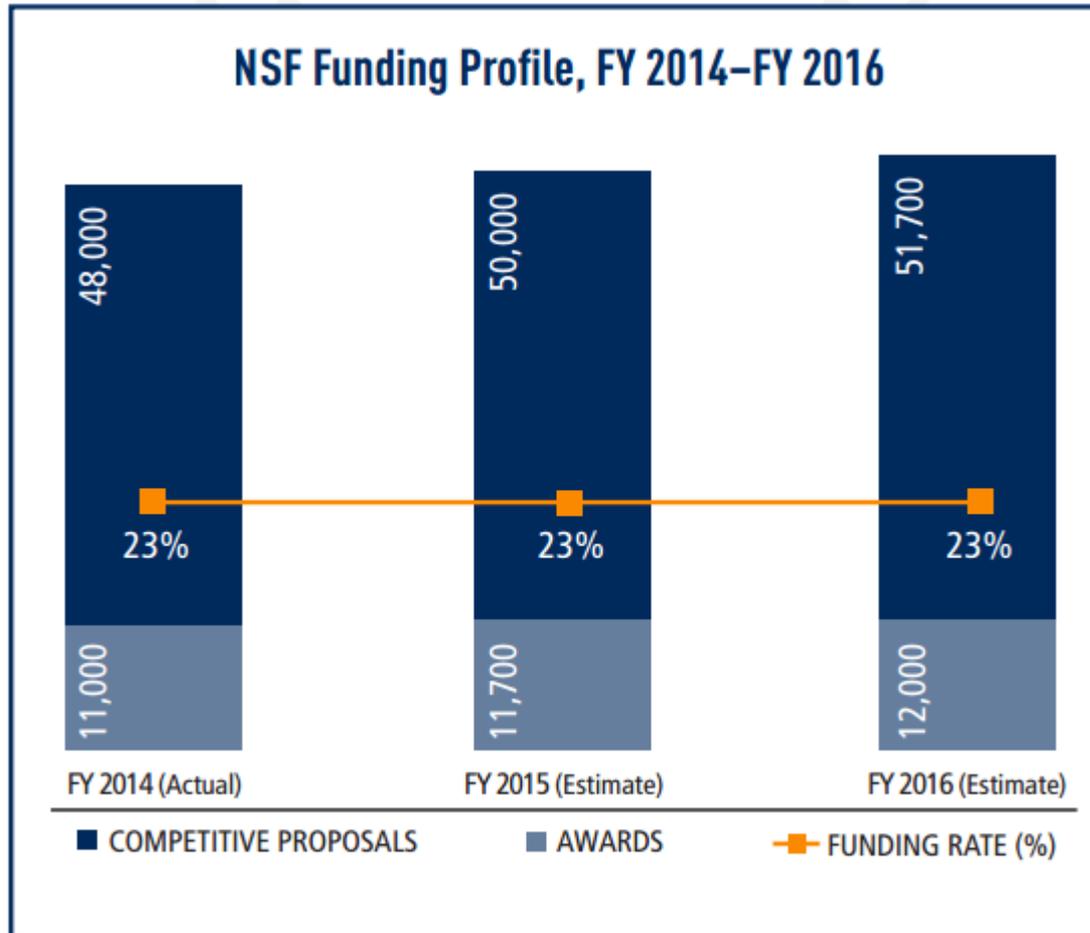
National Science Foundation FY 2016 Request to Congress versus House Subcommittee Mark (Dollars in Millions)

NSF by Account	FY 2015 Enacted	FY 2016 Request	FY 2016 House Mark	FY 2016 House Mark over:			
				FY 2015 Enacted		FY 2016 Request	
				Amount	Percent	Amount	Percent
Research & Related Activities	\$5,933.65	\$6,186.30	\$5,983.65	\$50.00	0.8%	-\$202.66	-3.3%
Education & Human Resources	866.00	962.57	866.00	-	-	-96.57	-10.0%
Major Research Equipment and Facilities Construction	200.76	200.31	200.03	-0.73	-0.4%	-0.28	-0.1%
Agency Operations and Award Management	325.00	354.84	325.00	-	-	-29.84	-8.4%
National Science Board	4.37	4.37	4.37	-	-	-	-
Office of Inspector General	14.43	15.16	15.16	0.73	5.1%	-	-
Total, NSF	\$7,344.21	\$7,723.55	\$7,394.21	\$50.00	0.7%	-\$329.35	-4.3%

Totals may not add due to rounding.



NSF Funding Profile, FY 2014 - 2016



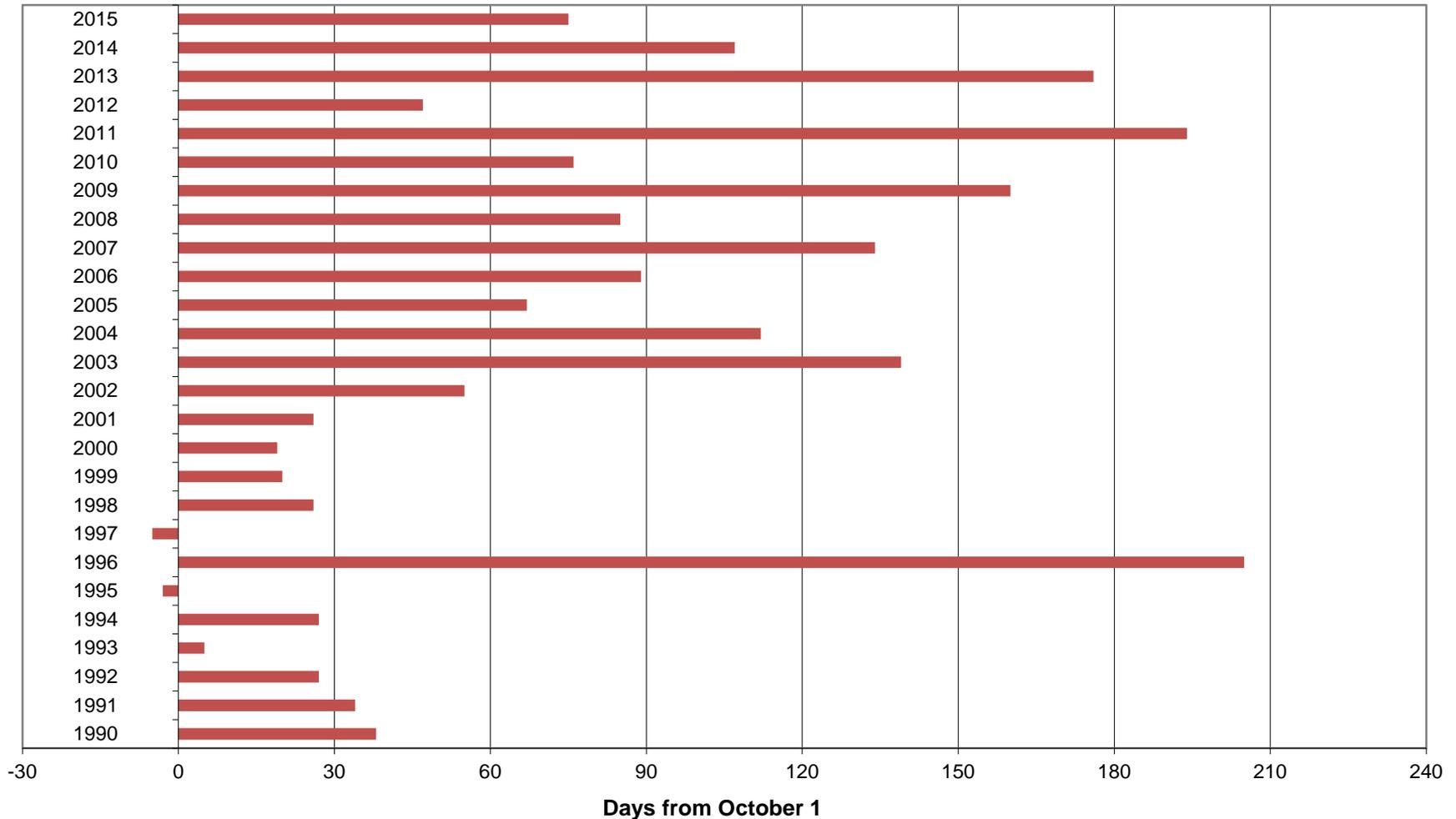
What To Watch

- FY 2016 Congressional Action
 - Authorization
 - Appropriations
- FY 2017 Planning

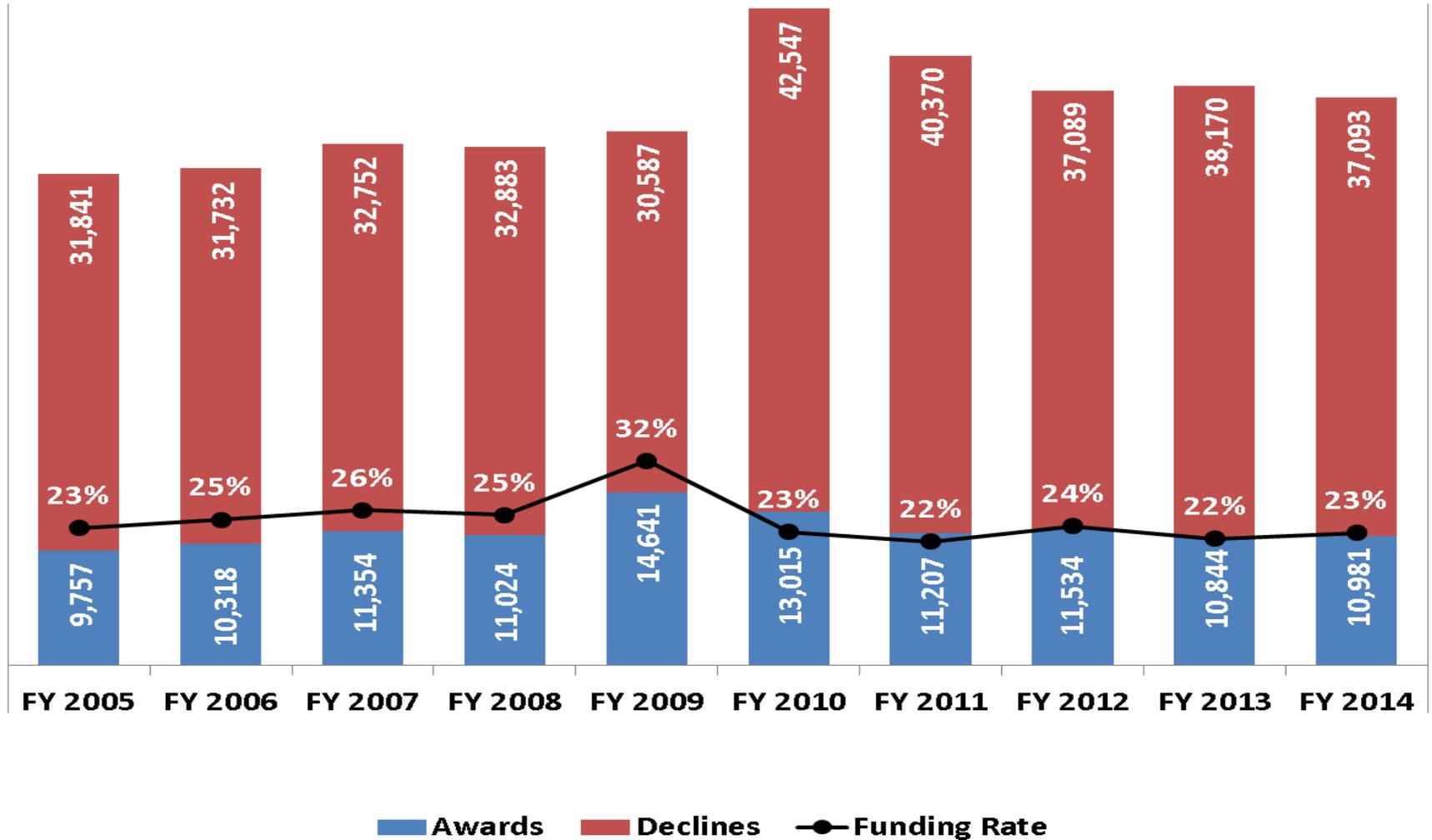


Appropriations Drift - 1990 to 2015

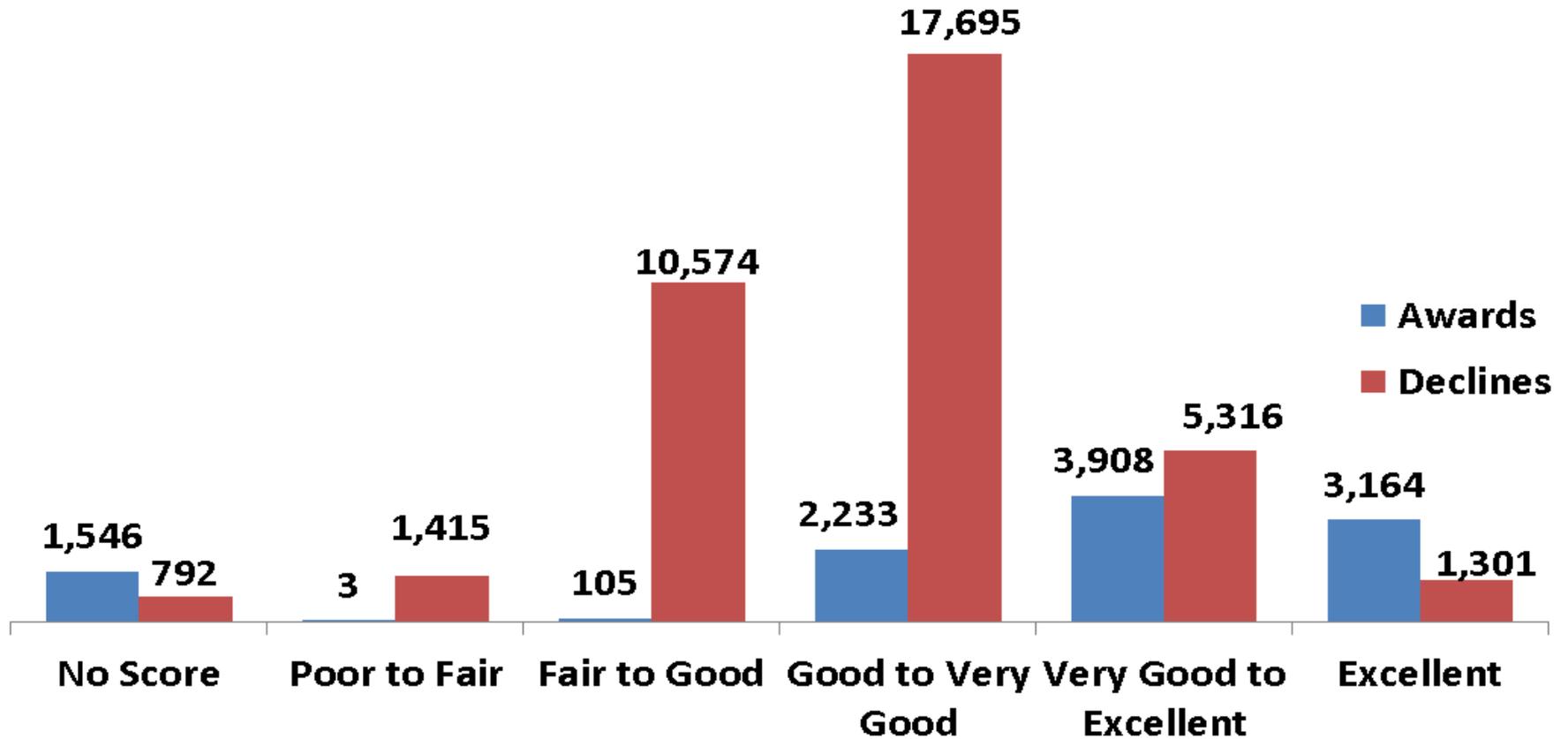
NSF Appropriations Dates versus Start of Federal Fiscal Year Oct. 1



NSF Competitive Awards, Declines & Funding Rates



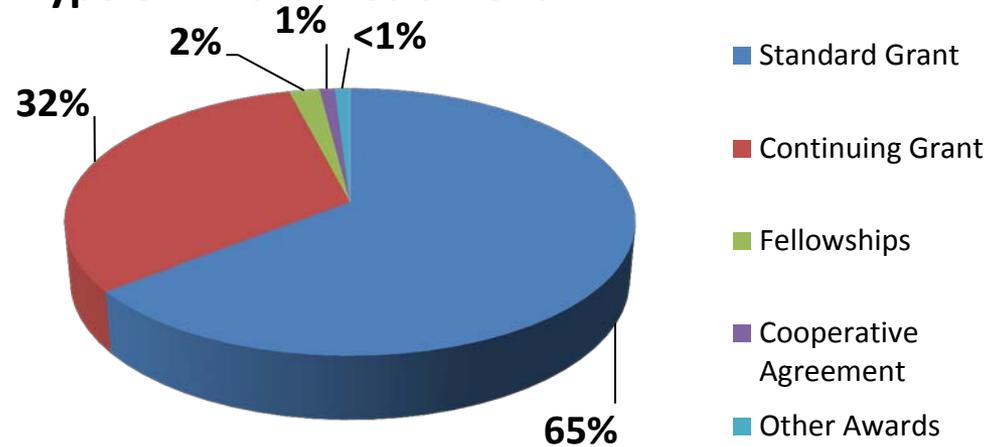
Distribution by Average Reviewer Ratings for Awards and Declines, FY 2014



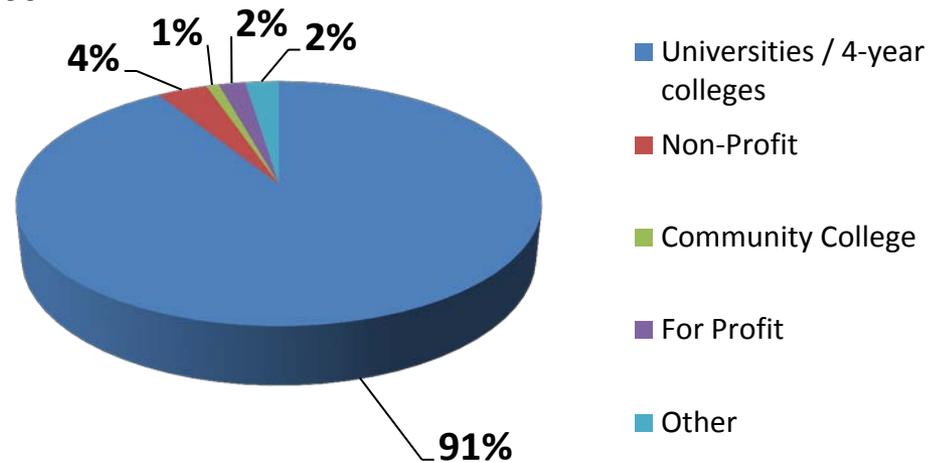
NSF Award Portfolio

- \$27.8 billion in total award funding
- 42,125 active awards
 - Standard and continuing grants
 - Cooperative agreements
 - Graduate research fellowships
 - Other awards
- Awardee Institution Types
 - Universities / 4-year colleges
 - Non-profit organizations
 - For-profit organizations
 - Community colleges
 - Other awardees

Type of Award Instrument



Type of Awardee Institution



Conference Award Portfolio

- State System of Florida
 - 956 active awards totaling \$517 million
 - 7,387 lifetime awards totaling \$2.4 billion
- Conference Attendees
 - 118 of 142 organizations registered have 14,090 active awards totaling \$10 billion
 - 123,282 lifetime awards totaling \$46 billion



Key Documents

- **Proposal & Award Policies & Procedures Guide**

www.nsf.gov/publications/pub_summ.jsp?ods_key=papp

- **Fiscal Year 2016 Budget Request**

www.nsf.gov/about/budget/fy2016/index.jsp

- **NSF Strategic Plan for Fiscal Years 2014-2018**

www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf14043

- **NSB Report on Merit Review**

www.nsf.gov/nsb/publications/pub_summ.jsp?ods_key=nsb1333



For More Information

Ask Early, Ask Often!

[nsf.gov/staff](https://www.nsf.gov/staff)

[nsf.gov/staff/orglist.jsp](https://www.nsf.gov/staff/orglist.jsp)

[nsf.gov/about/career_opps/rotators/index.jsp](https://www.nsf.gov/about/career_opps/rotators/index.jsp)

