CIO Update

Business and Operations Advisory Committee

April 30, 2013

Office of Information and Resource Management
Your Success is Our Success!

Administrative Services
Human Resource Management
Information Systems
Chief Information Officer

Federal IT Mission Statement

We will aspire to promote a bright and prosperous future for the United States through the strategic use of Federal Information Technology.

We will do so by driving efficiency and effectiveness across Government, spurring innovation, protecting and defending our resources and more effectually bringing Government services to Americans.

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The Opportunity Ahead

INNOVATE.

Open Data Policy
Expansion of Mobile Adoption

Flattening Complexity (MyUSA, RFP-EZ, Data.gov)
Presidential Innovation Fellows

DELIVER.

PortfolioStat as a Management Tool
Cut and Invest IT Budgeting

From Asset Ownership to Service Provision
Improve CIO Authorities

PROTECT.

Critical Infrastructure Executive Order
Continuous Monitoring

Identity and Access Management
Federal Risk and Authorization Management Program

ANALYZE.

Data-Driven Measurement
Open-Data Efforts

Performance-and-Evidence-Based Budgeting
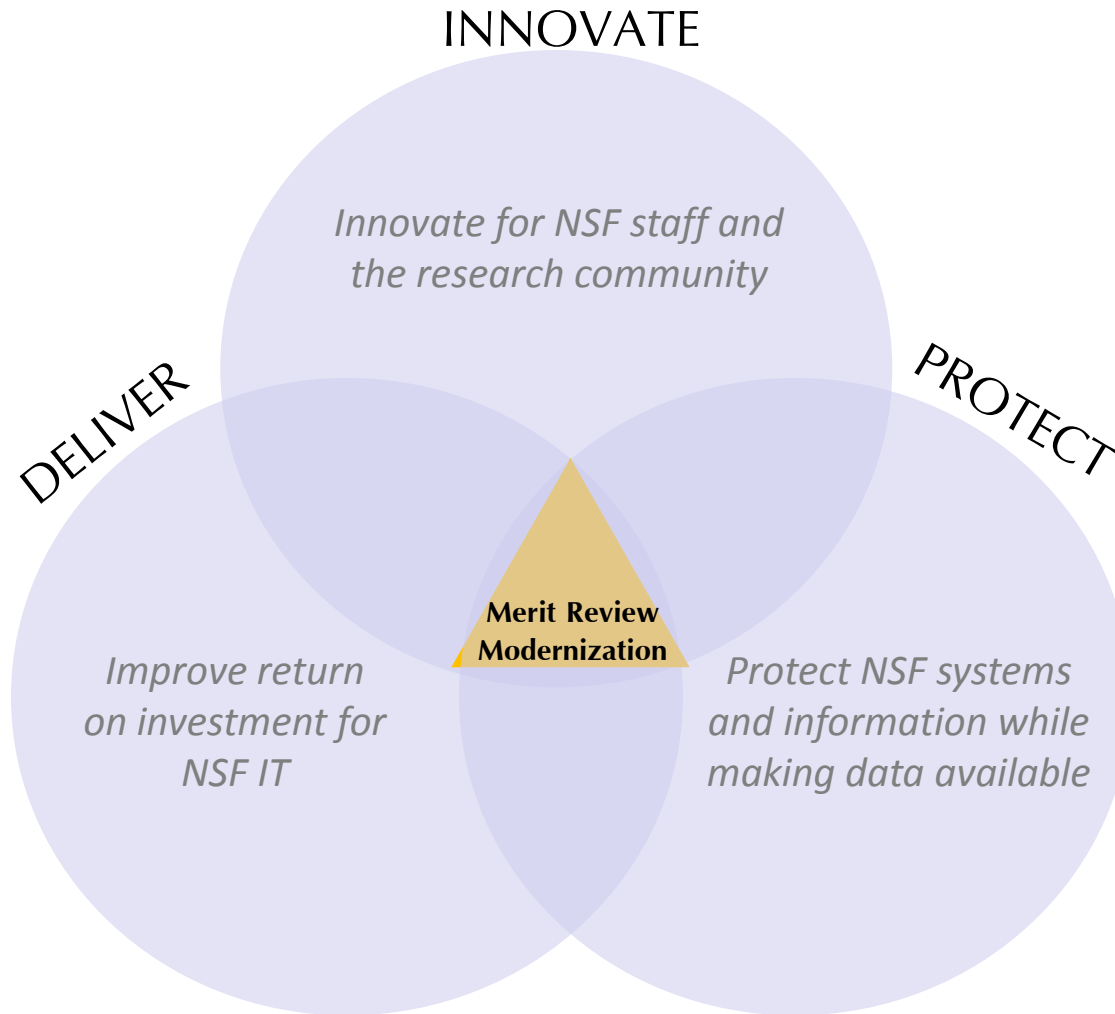Reporting/Transparency

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2005

Luca Bruno / AP

Office of Information and Resource Management
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2013

NBC NEWS

Michael Sohn / AP

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NSF IT Vision - Internal

INNOVATE

DELIVER

PROTECT

Innovate for NSF staff and the research community

Improve return on investment for NSF IT

Merit Review Modernization

Protect NSF systems and information while making data available

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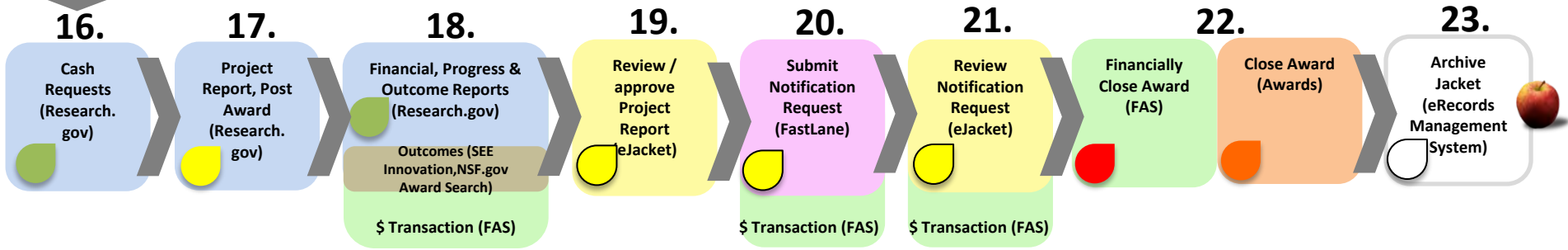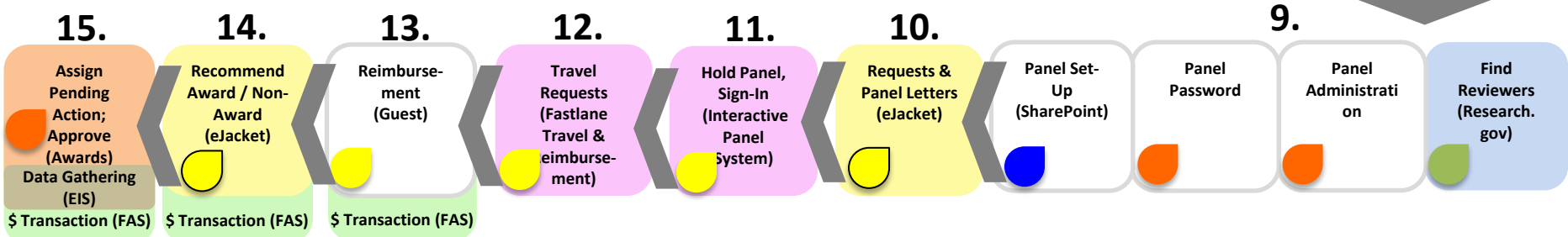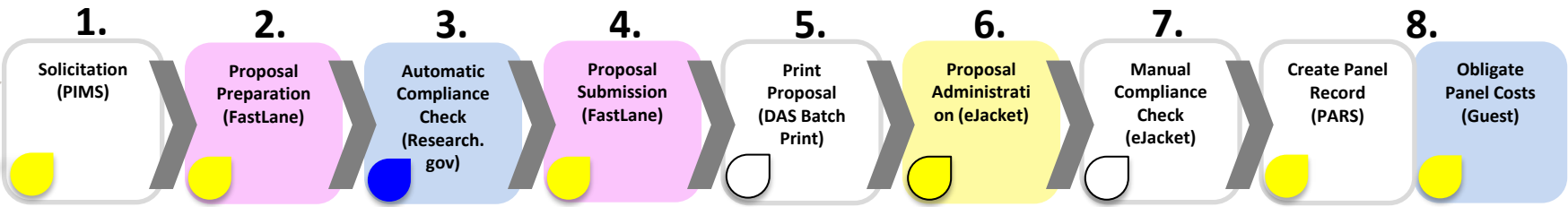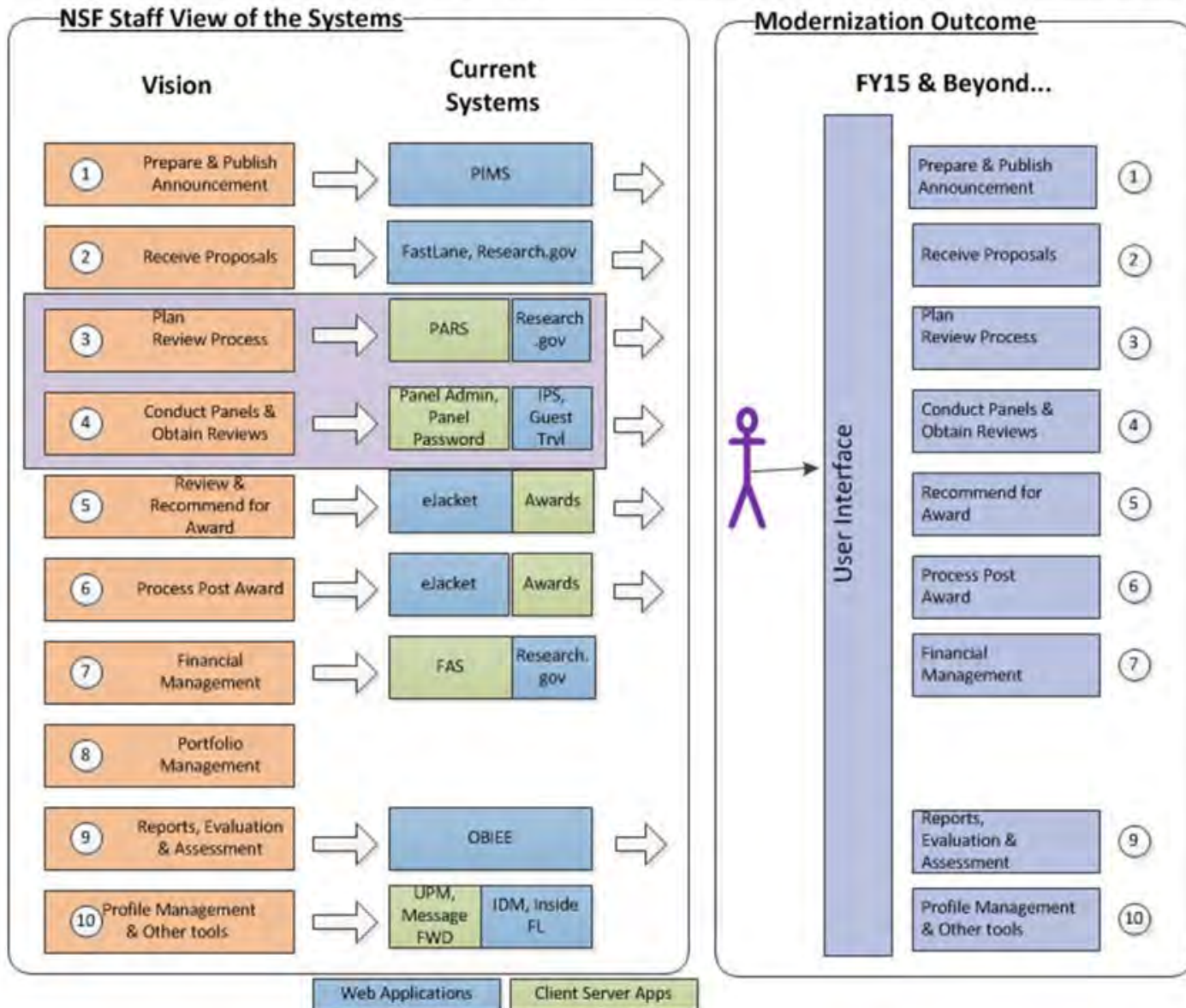Information Systems
Chief Information Officer

NSF Merit Review Systems ("As Is")

1. Solicitation (PIMS)

2. Proposal Preparation (FastLane)

3. Automatic Compliance Check (Research.gov)

4. Proposal Submission (FastLane)

5. Print Proposal (DAS Batch Print)

6. Proposal Administration (eJacket)

7. Manual Compliance Check (eJacket)

8. Create Panel Record (PARS)

9. Obligate Panel Costs (Guest)

10. Panel Administration

11. Panel Password

12. Panel Set-Up (SharePoint)

13. Find Reviewers (Research.gov)

14. Requests & Panel Letters (eJacket)

15. Hold Panel, Sign-In (Interactive Panel System)

16. Travel Requests (Fastlane Travel & Reimbursement)

17. Reimbursement (Guest)

18. Recommend Award / Non-Award (eJacket) — $ Transaction (FAS)

19. Assign Pending Action; Approve (Awards) / Data Gathering (EIS) — $ Transaction (FAS)

$ Transaction (FAS)

16. Cash Requests (Research.gov)

17. Project Report, Post Award (Research.gov)

18. Financial, Progress & Outcome Reports (Research.gov) / Outcomes (SEE Innovation, NSF.gov Award Search) — $ Transaction (FAS)

19. Review / approve Project Report (eJacket)

20. Submit Notification Request (FastLane) — $ Transaction (FAS)

21. Review Notification Request (eJacket) — $ Transaction (FAS)

22. Financially Close Award (FAS)

23. Close Award (Awards)

23. Archive Jacket (eRecords Management System)

Data Integration & Mining
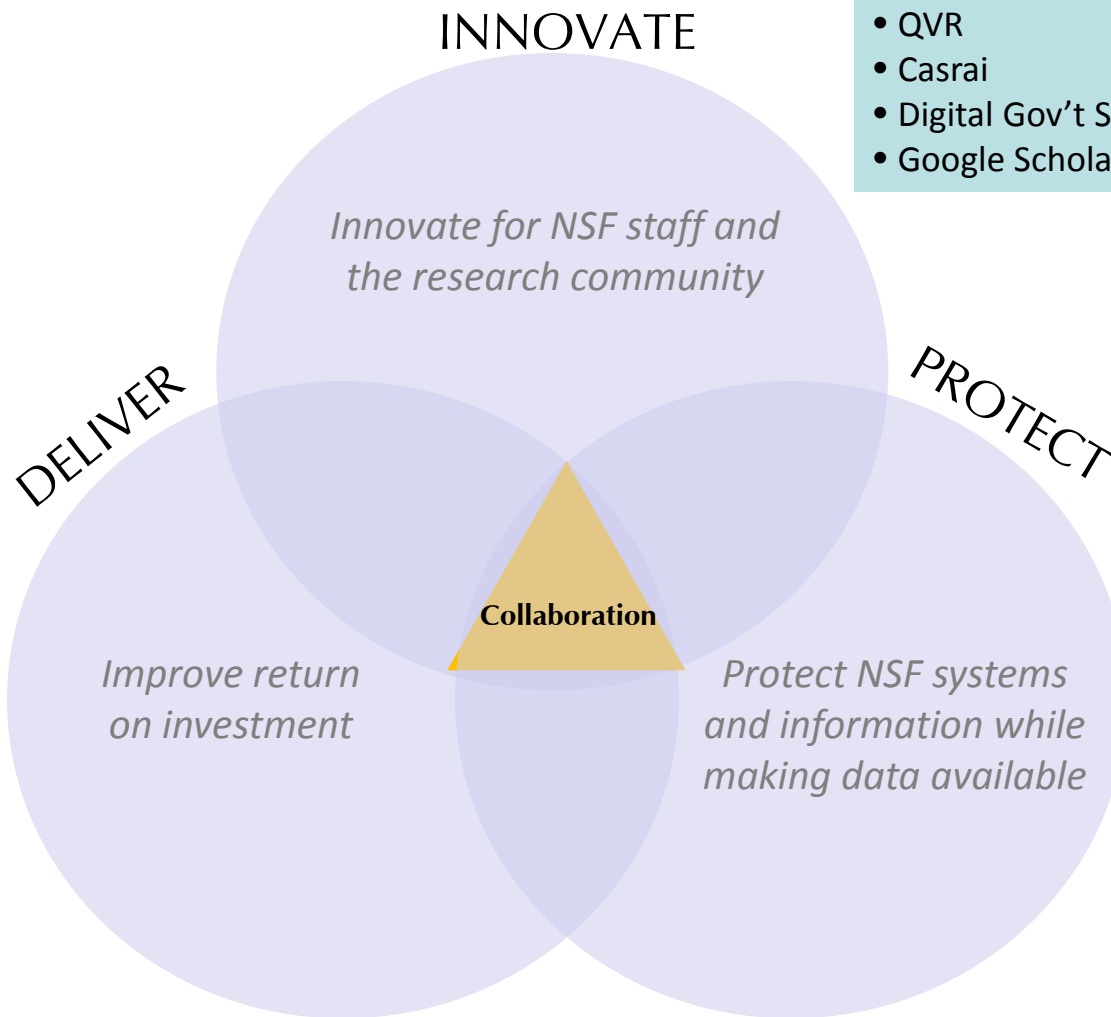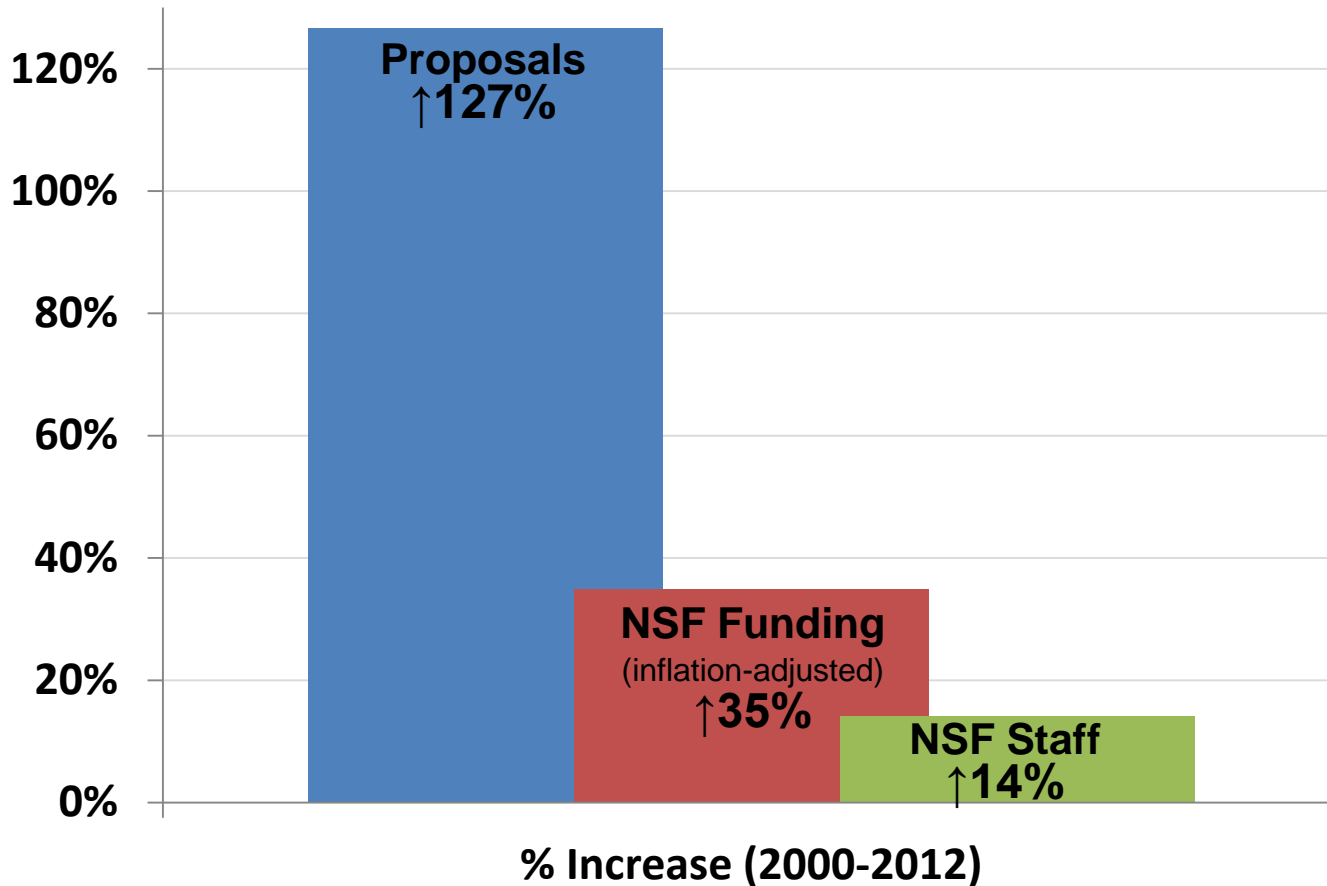## Seamless Interface

Legend:
- ← End of service life
- ← Client/Server
- ← Web application
- ← Web portal
- ← In development/lab
- ← Manual
- ← FastLane
- ← eJacket
- ← Research.gov
- ← FAS
- ← Awards
- ← Reporting Application
- ← Other Application

NSF Merit Review Systems – Staff facing IT services

NSF IT Vision - External

INNOVATE

- QVR
- Casrai
- Digital Gov't Strategy
- Google Scholar

Innovate for NSF staff and the research community

DELIVER

PROTECT

Collaboration

- PortfolioStat
- IT Governance
- Public Access
- Science CV

Improve return on investment

Protect NSF systems and information while making data available

- CIO Council
- DHS

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Backup Slides

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IT Modernization at NSF

Research.gov
Modernization of FastLane

iTRAK
Modernization of FAS

Merit Review Systems Modernization

2007   2009   2013

Best practices from R.gov and iTRAK

Applied to Merit Review Systems Modernization

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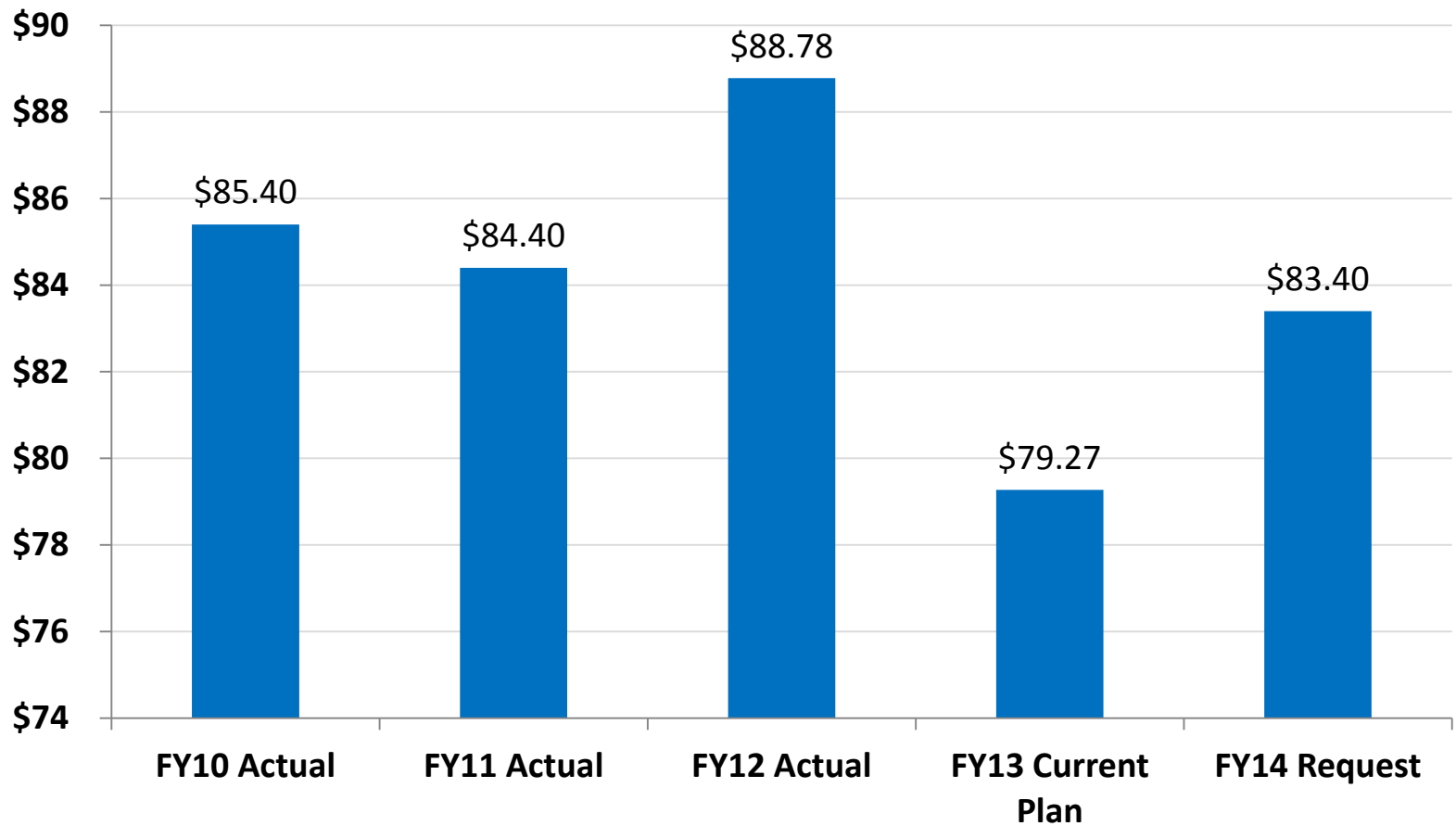
President's IT Budget for FY 2014

Federal IT Investments, FY 2014 Budget
(in millions)

Agency	2012	2013 (CR)	2014	Change FY12 to FY14	
Department of Agriculture	$2,538	$2,526	$2,510	($28)	-1.1%
Department of Commerce	$2,474	$2,449	$2,507	$33	1.3%
Department of Education	$557	$622	$621	$64	10.3%
Department of Energy	$1,579	$1,523	$1,529	($50)	-3.3%
Department of Health and Human Services	$7,181	$7,416	$7,288	$107	1.4%
Department of Homeland Security	$5,558	$5,674	$6,072	$514	9.1%
Department of Housing and Urban Development	$353	$461	$294	($59)	-12.8%
Department of the Interior	$1,033	$1,045	$1,013	($20)	-1.9%
Department of Justice	$2,753	$2,687	$2,657	($96)	-3.6%
Department of Labor	$577	$596	$611	$34	5.7%
Department of State	$1,374	$1,358	$1,417	$43	3.2%
U.S. Agency for International Development	$133	$165	$126	($7)	-4.2%
Department of Transportation	$2,996	$3,146	$3,128	$132	4.2%
Department of the Treasury	$3,407	$3,706	$3,746	$339	9.1%
Department of Veterans Affairs	$3,168	$3,267	$3,890	$722	22.1%
U.S. Army Corps of Engineers	$535	$483	$493	($42)	-8.7%
Environmental Protection Agency	$422	$419	$448	$26	6.2%
General Services Administration	$537	$549	$486	($51)	-9.3%
National Aeronautics and Space Administration	$1,463	$1,433	$1,436	($27)	-1.9%
National Archives and Records Administration	$108	$119	$103	($5)	-4.2%
National Science Foundation	$103	$99	$99	($4)	-4.0%
Nuclear Regulatory Commission	$134	$151	$152	$18	11.9%
Office of Personnel Management	$82	$85	$86	$4	4.7%
Small Business Administration	$102	$115	$115	$13	11.3%
Smithsonian Institution	$65	$67	$66	$1	1.5%
Social Security Administration	$1,456	$1,605	$1,504	$48	3.0%
Subtotal for Major Civilian Agencies	$40,690	$41,766	$42,397	$1,707	4.1%
Department of Defense	$39,588	$38,810	$39,599	$10	0.0%
Total IT Investments in Federal Government	$80,278	$80,576	$81,996	$1,717	+2.1%

NSF IT Budget

Funding Levels – FY10 to FY14

FY10 Actual	FY11 Actual	FY12 Actual	FY13 Current Plan	FY14 Request
$85.40	$84.40	$88.78	$79.27	$83.40

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