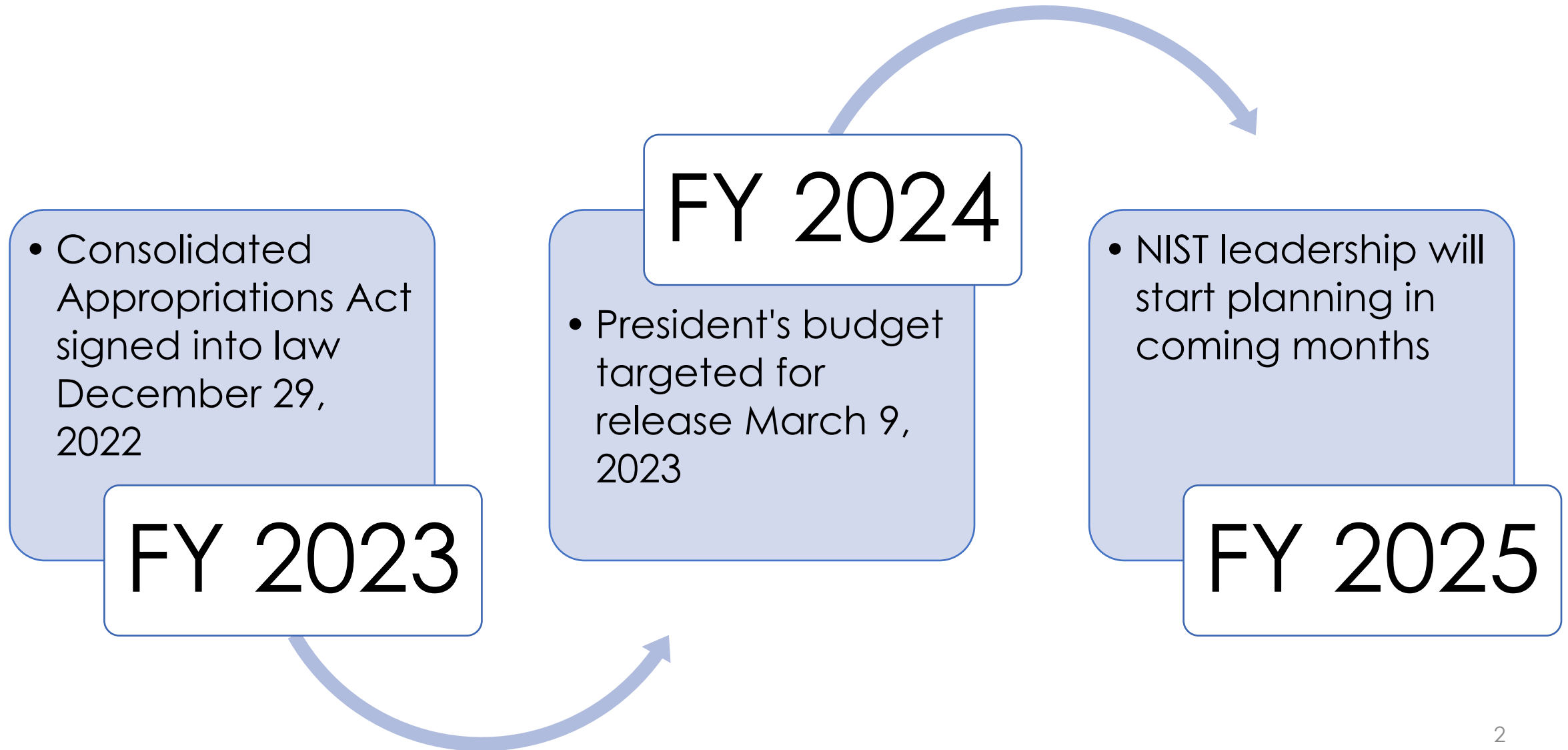# NIST Visiting Committee on Advanced Technology (VCAT)

Budget Update

Dr. Heather Evans
Acting Director, NIST Program Coordination Office

February 8, 2023

Where we are today

FY 2023
- Consolidated Appropriations Act signed into law December 29, 2022

FY 2024
- President's budget targeted for release March 9, 2023

FY 2025
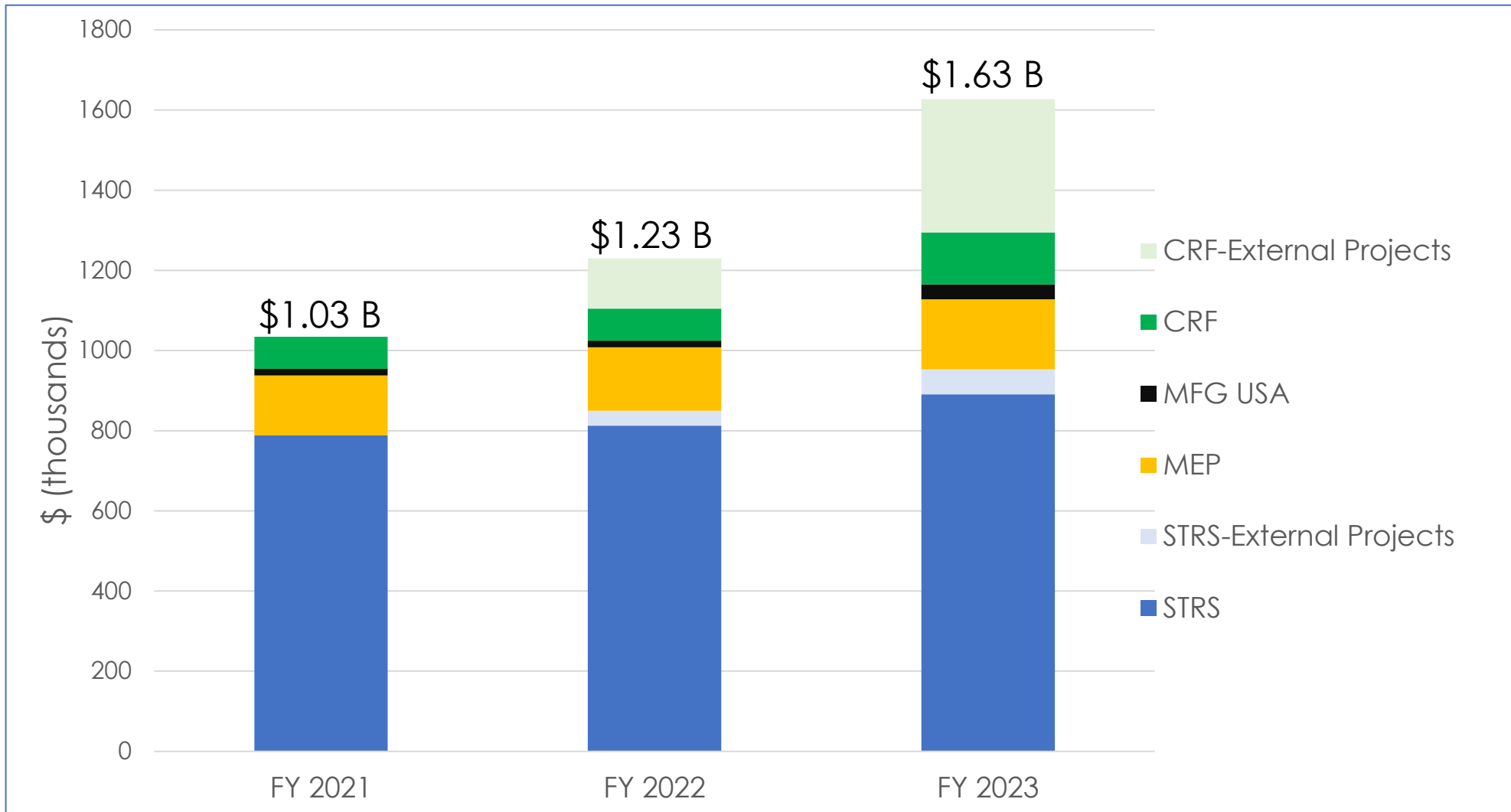- NIST leadership will start planning in coming months

Budget

Long-term trends

- In 2006 and 2007, the Bush administration proposed to double funding for key physical science agencies, followed by **appropriations to nearly double NIST's budget over a 10-year period**. In recent years, the increase has been more gradual, with many swings due to construction funding.

- The **NIST for the Future Act** (included in the CHIPS and Science Act) **authorizes funding levels** for and codifies NIST's role in bioscience, cybersecurity, greenhouse gas, advanced communication, international standards, and more. The Act provides additional NIST flexibilities for hiring and operations.

- Starting in FY 2022, **Congress brought back earmarks** for the first time in 10 years, which added $394.8 million to the topline budget in FY 2023.
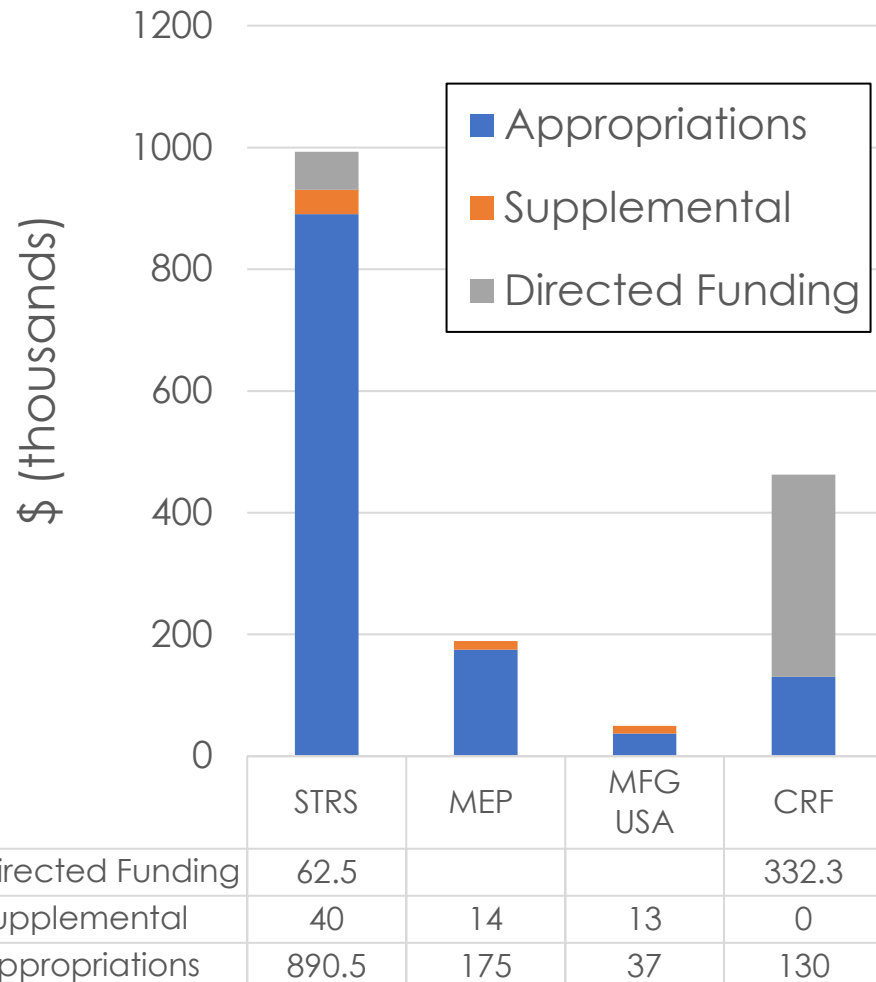
FY 2021-2023 Budget

Current year dollars.
Not shown: FY 2022 Emergency Act funds of $22 M; FY 2023 Disaster Relief Supplemental funds of $40 M STRS, $13 M MEP, $14 M MFG USA; CHIPS

NIST Budget

FY 2023 NIST Budget

	STRS	MEP	MFG USA	CRF
Directed Funding	62.5			332.3
Supplemental	40	14	13	0
Appropriations	890.5	175	37	130

NIST Appropriations: $1,627 M

+ $78.1 M Scientific and Technical Research Services

+ $17 M Manufacturing Extension Partnership

+ $20.5 M Manufacturing USA

+ $50 M Construction of Research Facilities

+ $394.8 M Directed funding (earmarks)
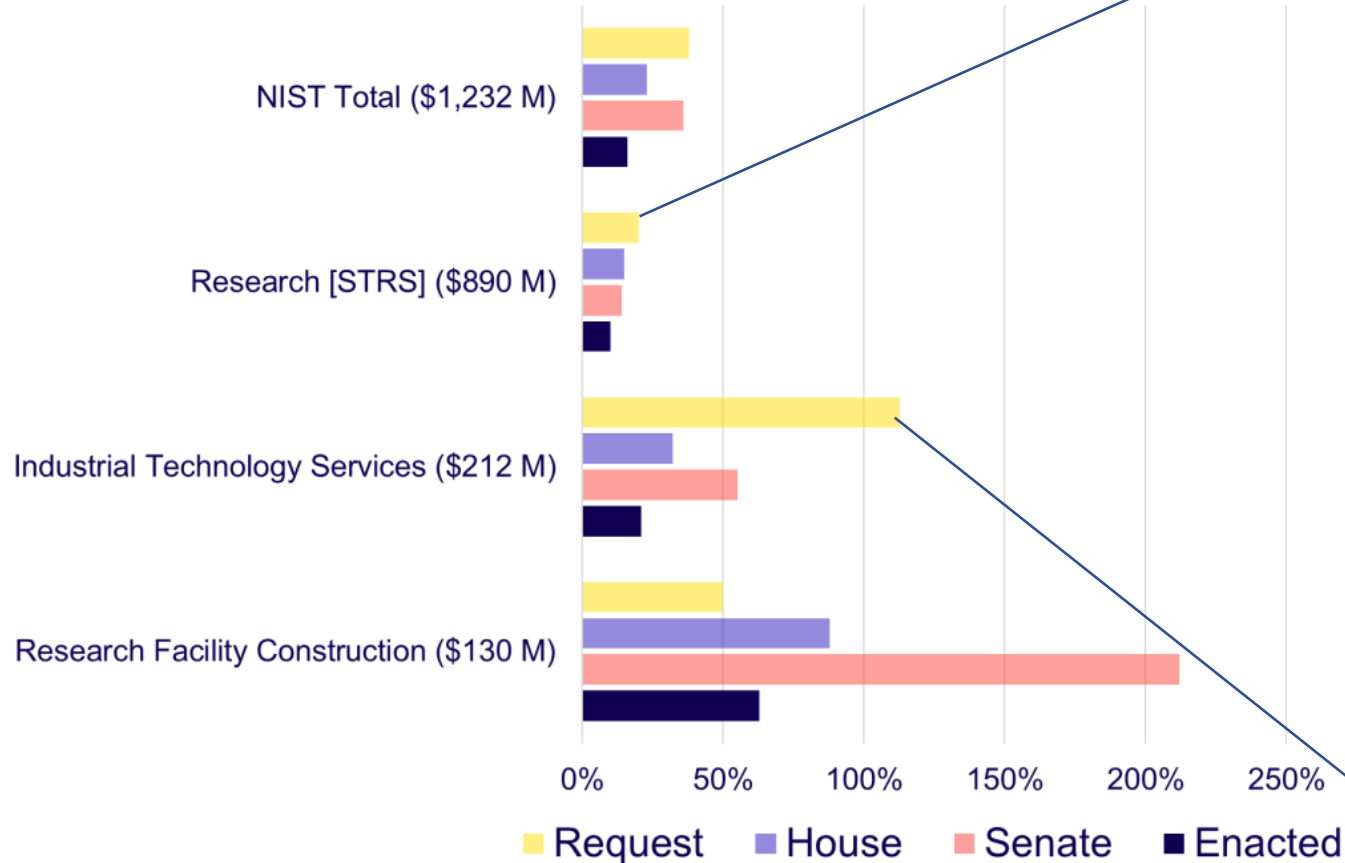
Disaster Relief Supplemental:

+$40 M for studies of disasters

+$13 M MEP

+$14 M Manufacturing USA

FY23 Appropriations: NIST Base Budget

% change from FY22 enacted
$ in () are FY23 amounts

NIST Total ($1,232 M)

Research [STRS] ($890 M)

Industrial Technology Services ($212 M)

Research Facility Construction ($130 M)

0% 50% 100% 150% 200% 250%

■ Request ■ House ■ Senate ■ Enacted

Earmarks and supplemental funding excluded

AIP
FYI Science Policy | aip.org/fyi

President's request:
Climate +$20 M
Cybersecurity +$18 M
Quantum Information Science +$15 M
Artificial Intelligence +$15 M
Bioeconomy +$14 M
Advanced Communications +$12 M
NCNR Controls/Corrective Actions +$10 M
PSCR +$10 M
Measurement Service Modernization +$8 M
Standards for Critical & Emerging Tech +$8 M
Circular Economy +$5 M
NIST Workforce Diversity and Equity +$5.6 M
iEdison System +$2 M

President's request:
Manufacturing USA +$80.3 M
MEP +$124.2 M

FY 2023 Appropriations: Labs

NIST

Topic	Funding
Supporting the American Bioeconomy	+ Up to $2 M
NIST Center for Neutron Research	+ Up to $5 M
iEdison System	+ Up to $2 M
NIST's DEI Initiatives	+ Up to $2.5 M
Measurement Service Modernization	+ Up to $5 M
Standards for Critical and Emerging Technologies	+ Up to $8 M
Disaster Resilience Research Grants	(same)
Quantum Information Science	No less than $54 M
Climate and Energy Measurement Tools and Testbeds	+$11.5 M

Topic	Funding
AI	+$4 M
Cybersecurity and Privacy	+$10 M
Circular Economy	+$1.5 M
Forensic Science Research	+$1.5
Pyrrhotite Testing and Mitigation	+$0.75 M
Graphene Research and Commercialization	(same)
Unmanned Aerial Vehicle Challenges and Credentialing	(same)
Robotics Training Center	$2 M (new)
Baldrige Performance Excellence Program	+$0.2 M

Earmarks

STRS Community Project Funding

- STRS Budget Line
- **34 Projects**, from $0.441 M to $5 M
- Total Amount: **$62.532 M**

NIST Construction Community Project Funding

- CRF Budget Line
- **31 Projects**, from $0.942 M to $45 M
- Total Amount: **$332.285 M**