

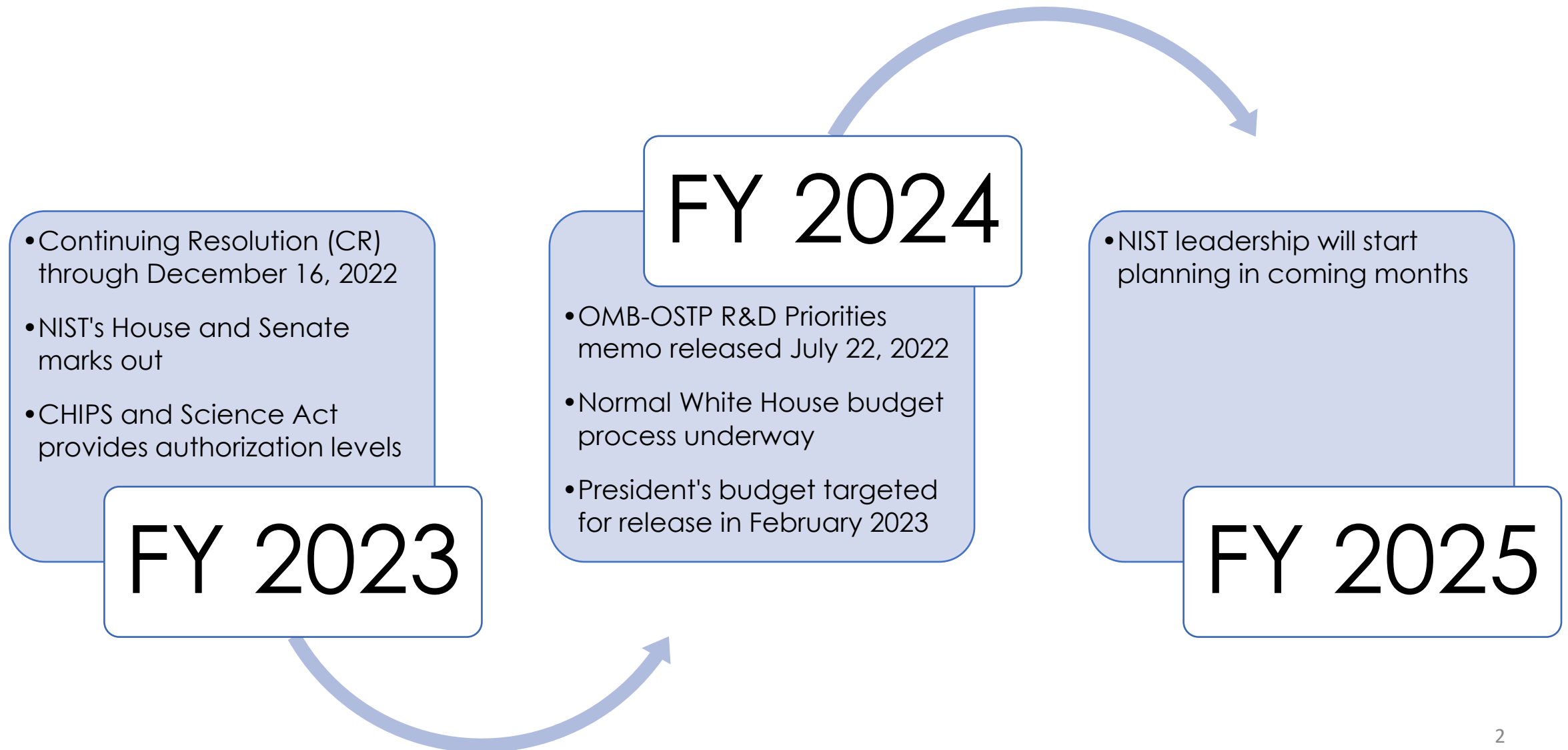
NIST Budget Overview

Visiting Committee on Advanced Technology

Dr. Heather Evans

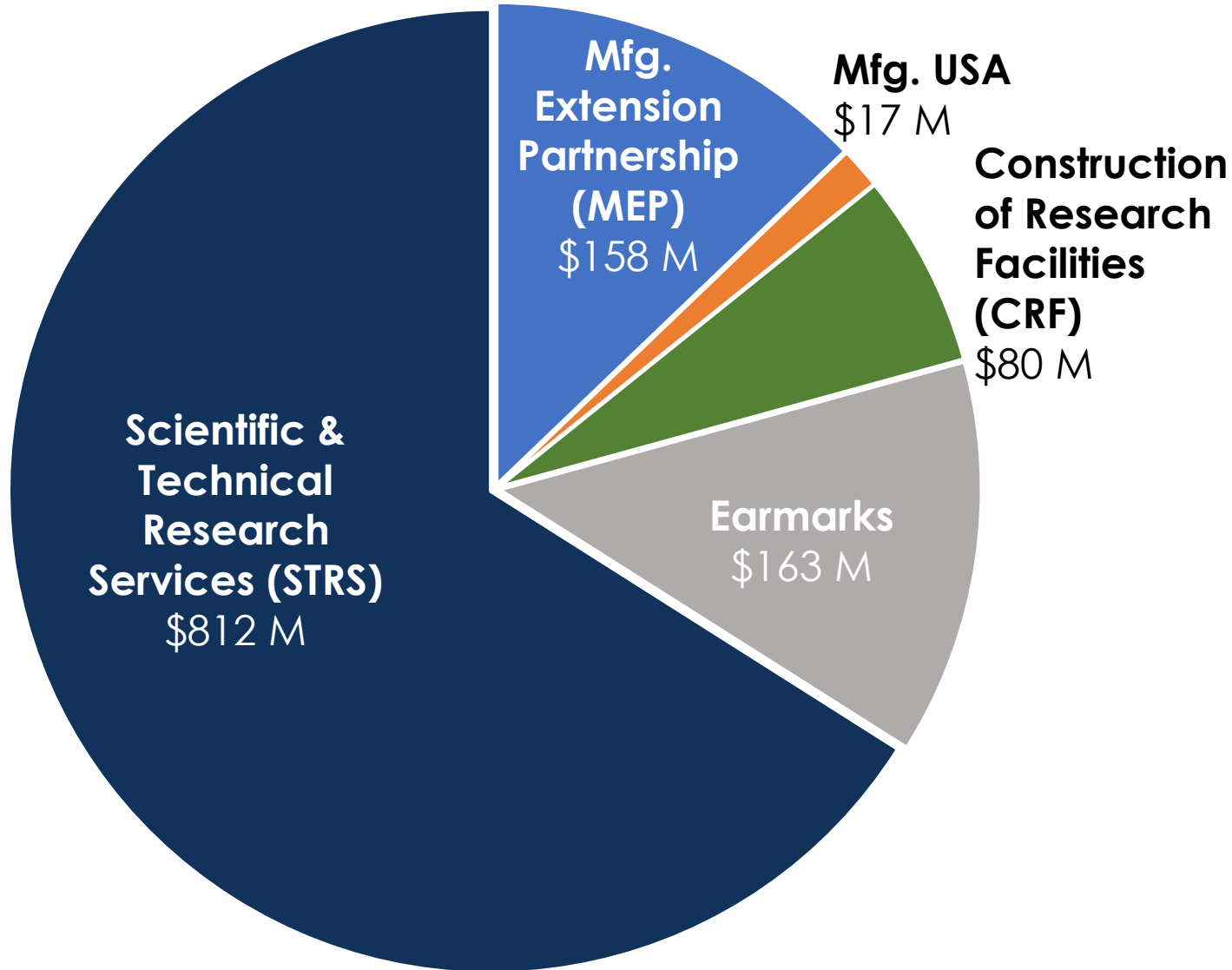
Director, NIST Program Coordination Office

Where we are today



Fiscal Year 2023

FY 2023 Continuing Resolution Overview **NIST**



NIST is on a flat budget through December 16, 2022

\$163 M in externally directed earmarks from FY 2022 are in process of being awarded

Does not include CHIPS

FY 2021-2023 Budgets at a Glance



Earmarks

In FY 22 NIST received **\$163.2 M** in earmarks

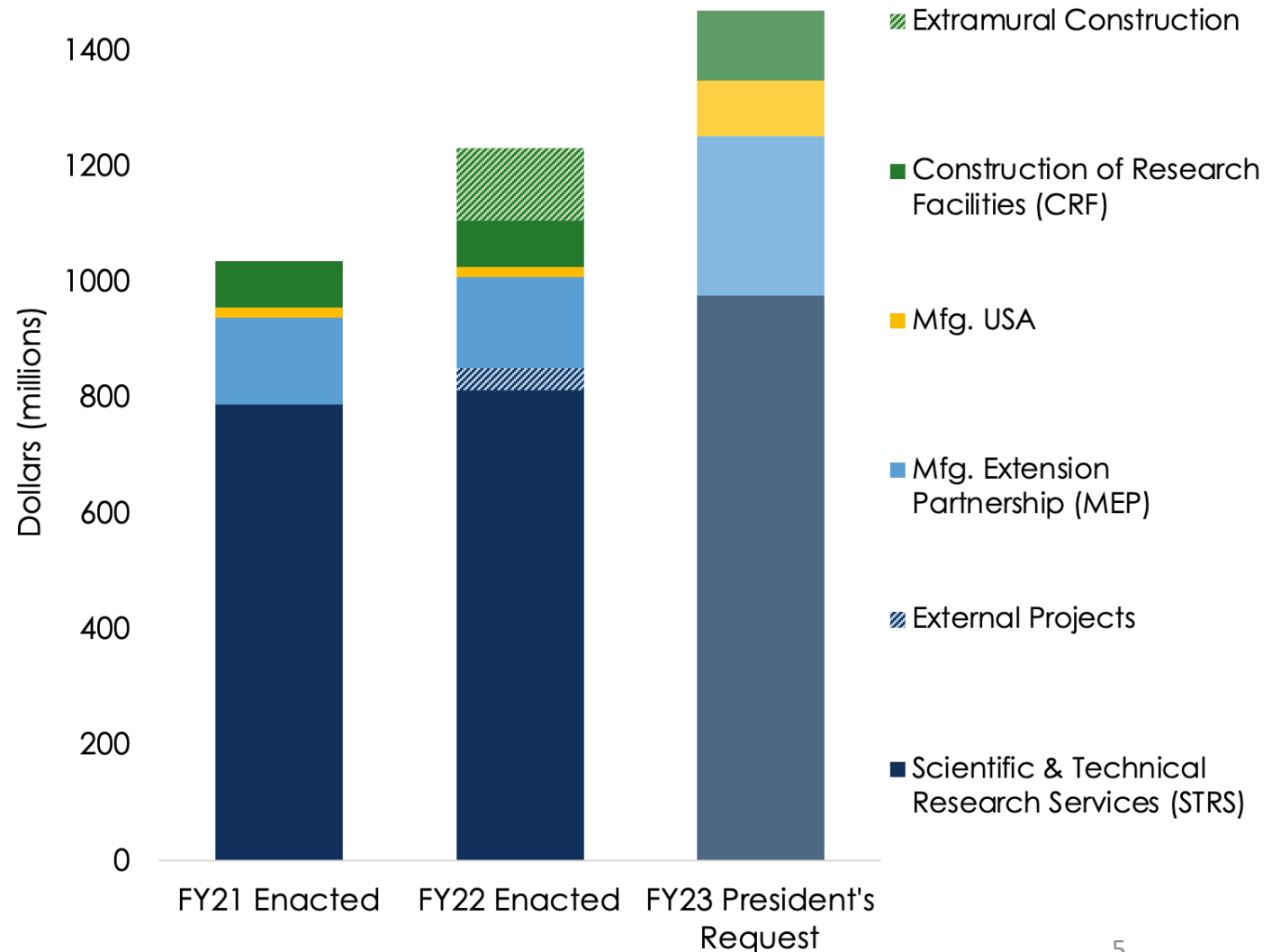
House and Senate marks also identify earmarks for FY 23

FY 23 Request vs. FY 22*

FY 23 request is **+\$400.7 M** over FY 22 enacted* levels.

- STRS **+\$162.6 M**,
- MEP **+\$117.3 M**,
- CRF **+\$40.3 M**, and
- Mfg. USA growth **by a factor of nearly 6.**

**Earmarks not included in FY 22 values for the purposes of comparison to the FY 23 request.*



NIST FY 2023 Budget Status

(\$ in millions)



	FY 2022 Enacted	FY 2022 ^{3/} Emergency Act P.L. 117-43	FY 2023 President's Request	FY 2023 House Mark	+/- over FY 2022 Enacted	FY 2023 Senate Mark	+/- over FY 2022 Enacted
STRS	\$850.0	\$22.0	\$975.0	\$953.0 ^{4/}	\$103.0	\$974.9 ^{5/}	\$124.9
Laboratory Programs	705.8	22.0	855.4	TBD	N/A	TBD	N/A
Corporate Services	17.4	0.0	18.5	TBD	N/A	TBD	N/A
Stds Coord & Special Pgms ^{1/}	126.8 ^{2/}	0.0	101.1	TBD	N/A	TBD	N/A
ITS	\$174.5	\$0.0	\$372.3	\$230.0	\$55.5	\$270.0	\$95.5
Hollings Mfg Ext Partnership	158.0	0.0	275.3	212.0	54.0	200.0	42.0
Manufacturing USA	16.5	0.0	97.0	18.0	1.5	70.0	53.5
CRF	\$205.6	\$0.0	\$120.3	\$291.2	\$85.6	\$451.4	\$245.8
Construc & Major Renovations	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Saf, Cap, Maint & Maj Repairs	80.0	0.0	120.3	150.0	70.0	129.7	49.7
Competitive Const. Grant Prg.				0.0	0.0	120.0	120.0
Extramural Construc projects	125.6 ^{2/}			141.2 ^{4/}	15.6	201.7 ^{5/}	76.1
Total, NIST Discretionary	1,230.1	22.0	1,467.6	1,474.2	244.1	1,696.3	466.2

1/ Includes Baldrige Performance Excellence Program funding for \$2.5M in FY 2022, \$2.6M in FY 2023, and \$2.8M in FY 2024.

2/ Includes \$37.598M for STRS External Projects and \$125.563M for CRF's NIST Extramural Construction.

3/ From enacted \$22M to carry out investigations of Surfside building failures from Extending Government Funding and Delivering Emergency Assistance Act.

4/ Includes \$18M for NIST External Projects earmark and \$141M for NIST Extramural Construction earmark.

5/ Includes \$47.5M for NIST External earmark and \$201.7M for NIST Extramural Construction earmark.

Proposed Increases in Detail

FY 2023 (President's Request)

FY 2023 Congressional Marks

	FY 2023 (President's Request)	FY 2023 Congressional Marks
STRS	Climate - \$20 M	<p>House</p> <ul style="list-style-type: none"> • Supports majority of FY 2023 initiatives (not all at requested level) • Does not fund advanced communications R&D (Senate does) • Does not provide funds to build equity and diversity in the workforce (Senate does) • \$18.1 M in external projects <p>Senate</p> <ul style="list-style-type: none"> • Supports majority of FY 2023 initiatives (not all at requested level) • Does not fund public safety communications research (House does) • Does not fund bioeconomy (House does) • \$47.5 M in external projects
	Cybersecurity - \$18 M	
	Quantum Information Science - \$15 M	
	Artificial Intelligence - \$15 M	
	Bioeconomy - \$14 M	
	Advanced Communications - \$12 M	
	NCNR Controls and 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 - \$5.78 M		
iEdison System - \$2 M		
ITS	MEP - \$124.2 M	Lower than President's request for both House and Senate (amount varies)
	Mfg. USA - \$80.3 M	
CRF	CRF - \$36.8 M	Higher than President's request for both House and Senate (amount varies)

CHIPS and Science Act: NIST for the Future

NIST for the Future

Authorizes and codifies NIST role in bioscience, cybersecurity, greenhouse gas, advanced communications, international standards, and more

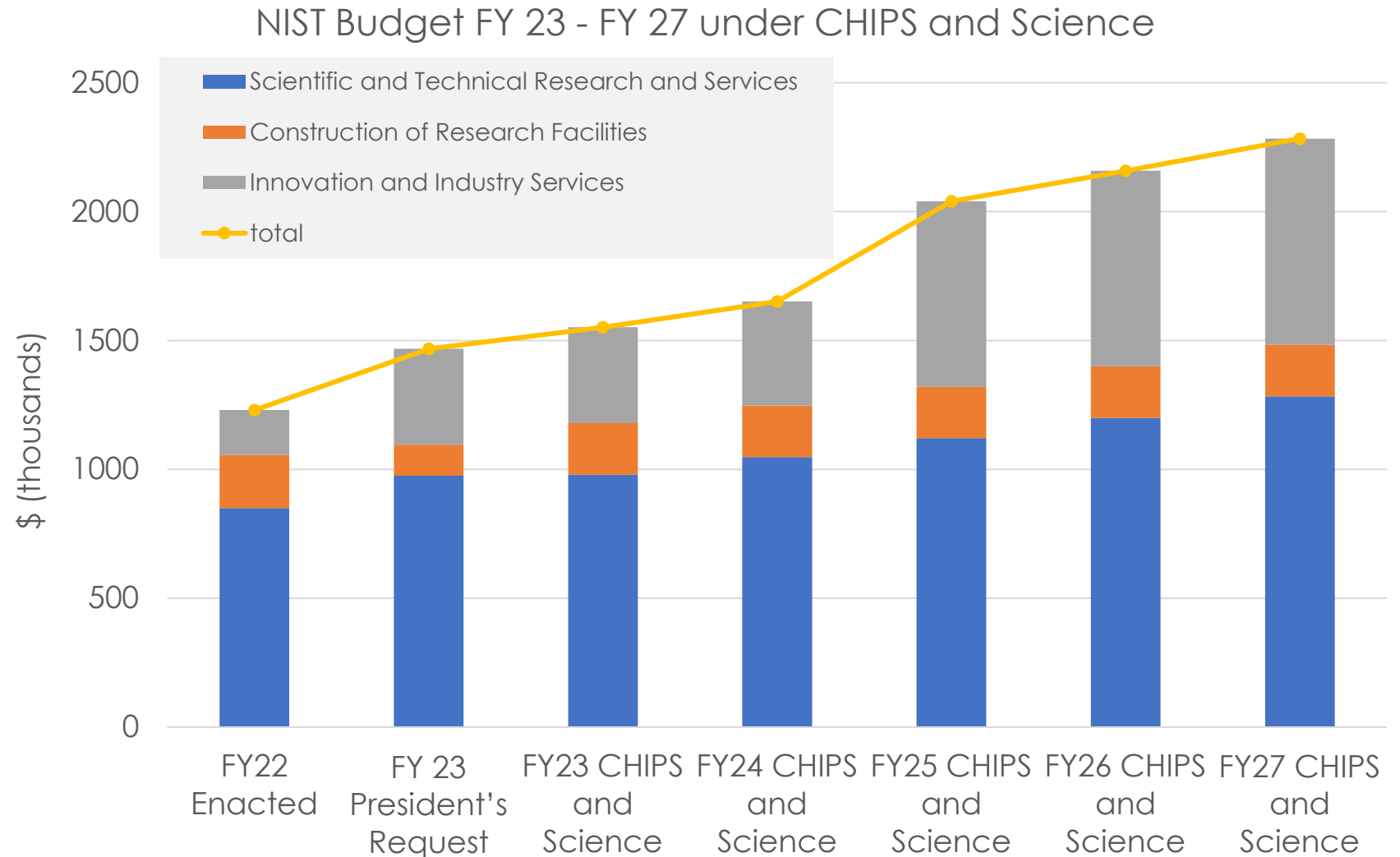
Proposed budget growth across all NIST programs

Provides additional NIST flexibilities for hiring and operations

NIST called on to work with National Science Foundation, Department of Energy, and other Departments and Agencies

Projected Budget Growth

- Funding levels in the Act begin in FY 23 similar to the President's FY 23 request
- Gradual increase over five years to **\$2.28 B**
- Nearly doubles (+86%) the NIST total budget from FY 22 - FY 27, but this growth is uneven:
 - +50% STRS
 - +358% ITS
 - -3% CRF



NIST for the Future Act

Supports Critical
Technology
Research



Strengthens
Small
Manufacturers



Combats
Supply Chain
Disruption



Grows
Manufacturing
USA



Promotes
International
Standards
Leadership



\$9.68 billion 5-year allocation & **\$4 billion** over baseline

Technology and Standards

Supports Critical
Technology
Research



Promotes
International
Standards
Leadership



Critical and Emerging Technologies

- Advanced Communications Research
- Artificial Intelligence
- Cybersecurity and Privacy
- Neutron Scattering

Biotech and Chemistry

- Engineering Biology and Biometrology
- Biometrics Research and Testing
- Sustainable Chemistry

Infrastructure

- Greenhouse Gas Measurement Research
- Premise Plumbing Research

International Standards Development

Manufacturing and Supply Chain

Strengthens
Small
Manufacturers



Combats
Supply Chain
Disruption



Grows
Manufacturing
USA



Manufacturing Extension
Partnership

Expansion Awards Pilot Program
National Supply Chain Database

Manufacturing USA

New institutes

Discussion

Extended break (60 min.)