NIST Visiting Committee on Advanced Technology (VCAT)

Budget Update
Dr. Heather Evans
Acting Director, NIST Program Coordination Office
Where we are today

• Consolidated Appropriations Act signed into law December 29, 2022

FY 2023

FY 2024

• President's budget targeted for release March 9, 2023

FY 2025

• NIST leadership will start planning in coming months
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

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
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

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

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

Tables are summary of Congressional statement and Omnibus language. Bolded items reflect areas where FY 2023 President’s Budget requested an increase. [Link](https://www.appropriations.senate.gov/imo/media/doc/Division%20B%20-%20CJS%20Statement%20FY23.pdf)
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**