



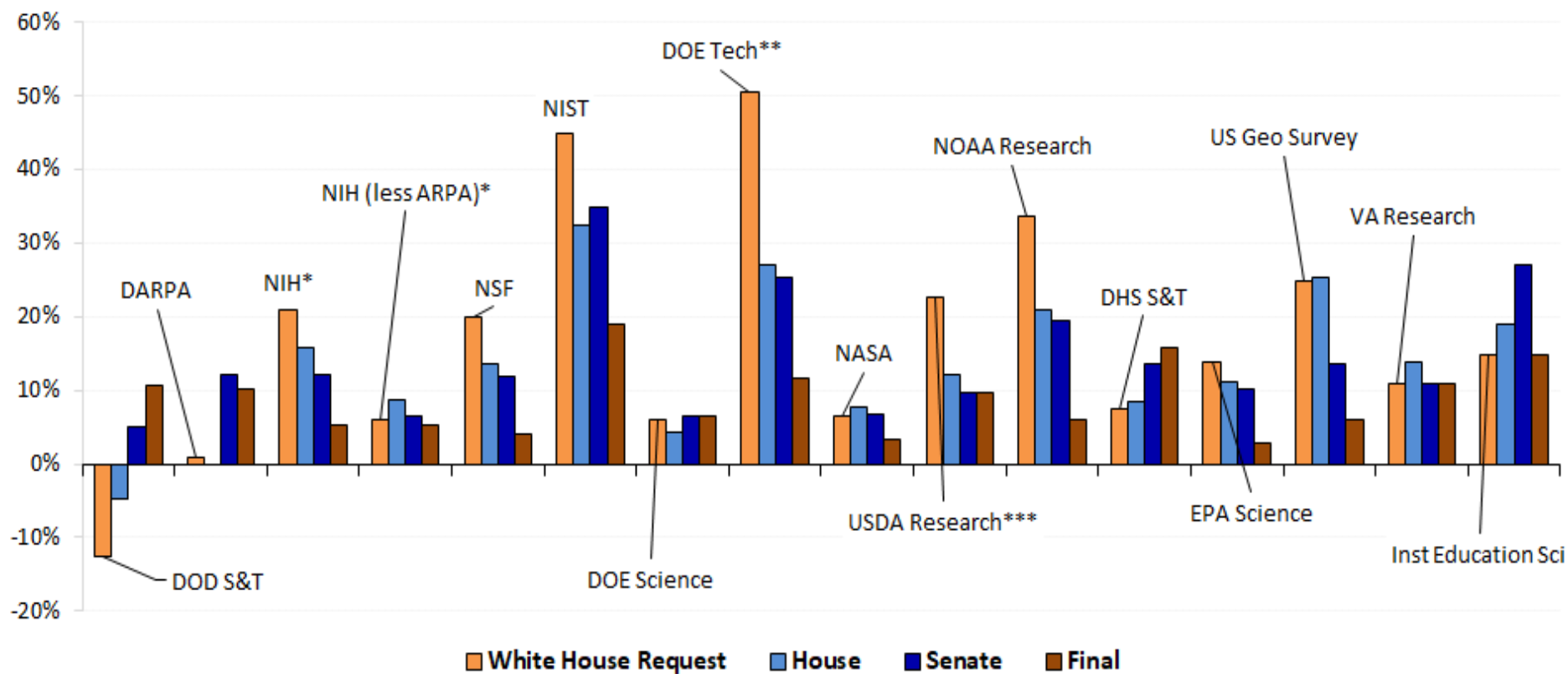
# Federal Research Update

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and Government Affairs  
April 27, 2022

# FY 22 R&D Appropriations

## Select Science & Technology Programs in FY 2022 Appropriations

Nominal percentage change from FY 2021



\*Unlike previous proposals, the final omnibus funded ARPA-H outside NIH. \*\*Includes renewables and efficiency, nuclear, fossil, grid, cybersecurity, ARPAs (Energy and Climate), clean demonstration. \*\*\*Includes ARS, NIFA, ERS, NASS, Forest Service Research. | AAAS 2022

# FY 22 NIH

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- \$45.2 billion (5.3% increase)
- Three priority institutes in terms of funding increase:
  - National Institute on Minority Health and Health Disparities – 17.2% increase - focus on chronic and cardiovascular disease
  - Institute on Aging – 8.2% increase – focus on Alzheimer's
  - National Institute on Drug Abuse – 7.8% increase

# FY 22 NSF

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- \$8.8 billion (4.1% increase)
- Priority areas
  - Allowed for creation of the new Technology, Innovation and Partnership Directorate (TIP).
  - Climate science and sustainability research
  - Artificial intelligence research
  - Quantum information science research
  - Innovation Corps program
  - Research infrastructure through the Major Research Equipment and Facilities Construction program and Mid-scale Research Infrastructure program

# FY 22 DOD Science

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- Basic Research: 5% increase
- University Initiatives: 6.8% increase
- DARPA: 10% increase
- Priority areas: microelectronics, artificial intelligence, space-based missile detection, hypersonics, directed energy weapons, quantum, advanced telecom

# FY 22 New Agencies

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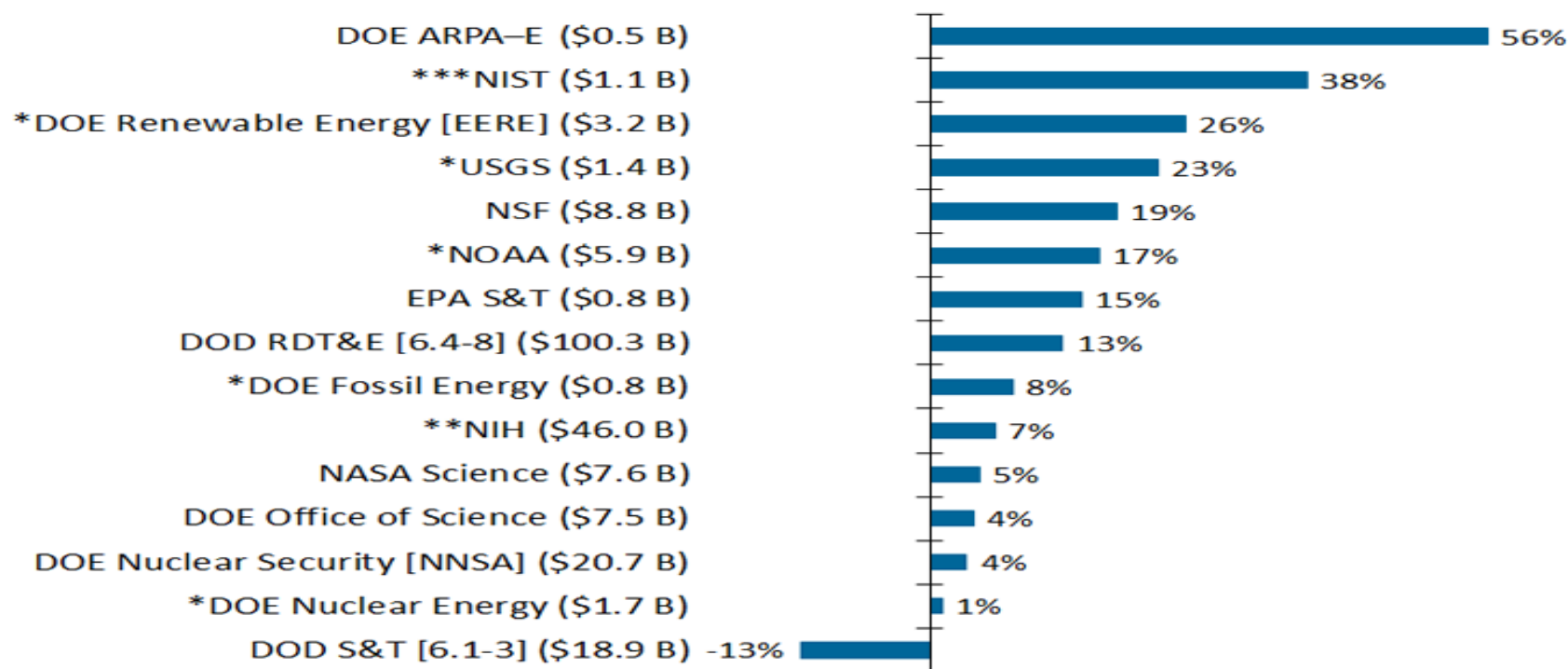
- ARPA-H - \$1 Billion
- NSF- TIP Directorate – waiting on formal authorization, no direct funding
- Agriculture Advanced Research and Development Authority (AgARDA) - \$1 million for planning and management
- ARPA-I – authorized no funding
- ARPA-C – not authorized, no funding

# FY 23 budget proposal

## FY23 Budget Request

% change from FY22 enacted

\$ in ( ) are FY22 amounts



\* Excludes funds from the Infrastructure Investment and Jobs Act.

\*\* Includes funds for ARPA-H.

\*\*\* Excludes earmarks.

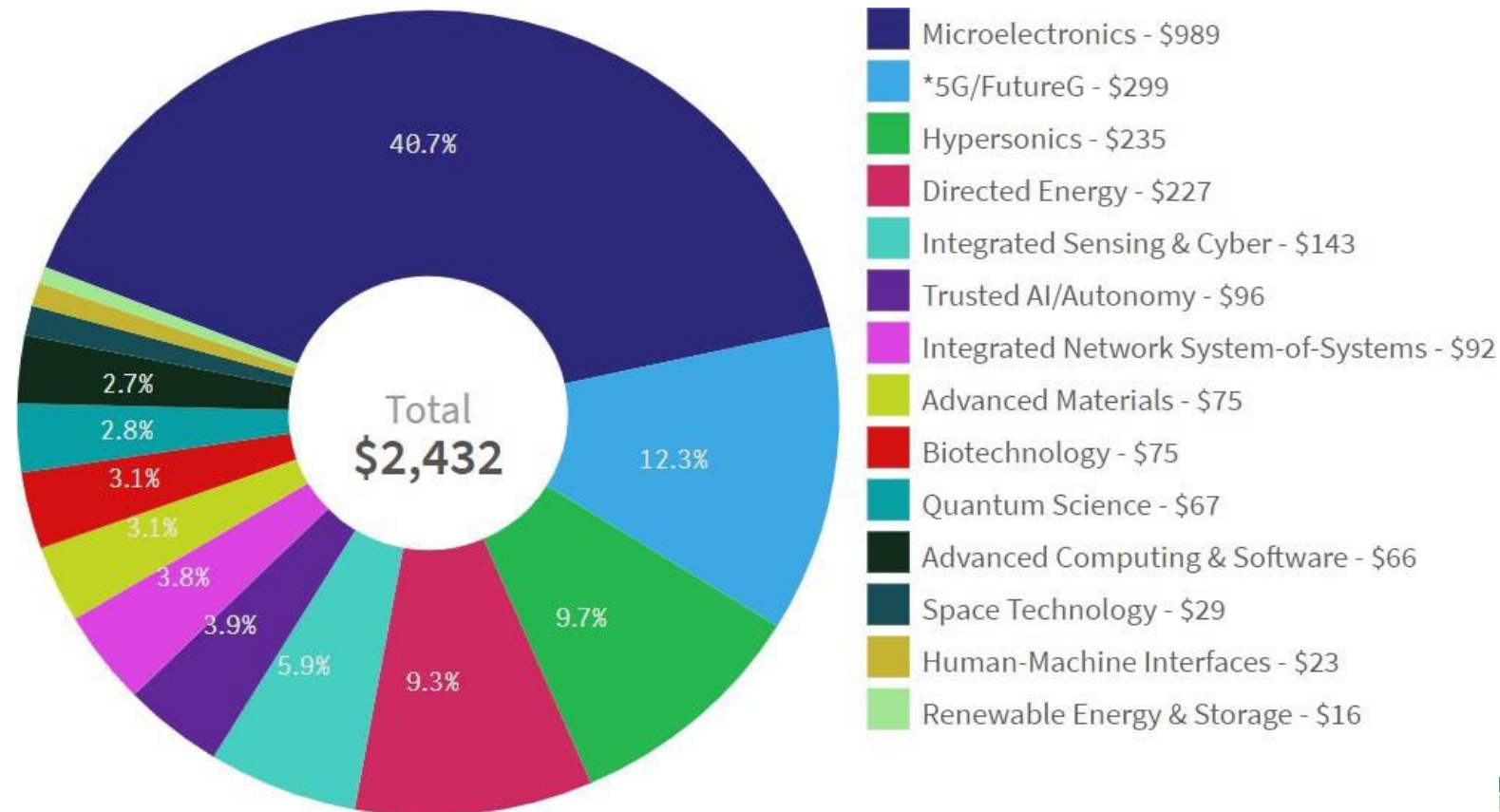
# FY 23 budget proposal

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- Priority areas: Climate Change Mitigation, Clean Energy R&D, U.S. Manufacturing, and Emerging Technologies
- NSF – 20% increase - \$880 Million for the TIP Directorate
- NIST – 15% increase – 4 new Manufacturing USA institutes
- NOAA – 17% increase – 40% increase for Climate Competitive Research program



# FY 23 DOD OUSD(R&E)RDT&E Funding(BA6.1-6.6) for Critical Technology Areas



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# LOOKING AHEAD

# COMPETES/USICA what is next?

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- The Senate still needs to vote possibly this week to go to conference on the COMPETES Act.
- 25 votes slated on Motions to Instruct the conferees.
- Conference process likely to take until July 4<sup>th</sup> Congressional recess.

# COMPETES/USICA what is next?

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Major issues to resolve in the research space:

- Nature of the NSF technology directorate
- Regional distribution/EPSCOR
- Support for HBCUS/MSIs
- Research security
- NSF vs. DOE
- Funding

# Upcoming Events/Workshops

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- Department of Energy
  - Nuclear Science Advisory Committee April 28
- DOD
  - New “Innovation Pathways” website  
[www.ctoinnovation.mil](http://www.ctoinnovation.mil)
- NSF
  - NSB meeting May 5-6, 2022
  - National Science Foundation for the Spring 2022  
NSF Virtual Grants Conference June 6-10, 2022  
(registration opens in May )

# Upcoming Events/Workshops

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- NSF
  - BIO office hours
    - [Division of Biological Infrastructure](#) - Third Tuesday of each month from 3-4 p.m.
    - [Division of Environmental Biology](#) - Second Monday of each month from 1-2 p.m.
    - [Division of Integrative Organismal Systems](#) - Third Thursday of each month from 1-2 p.m.
    - [Division of Molecular and Cellular Biosciences](#) - Second Wednesday of each month from 2-3 p.m.
- NIH
  - ACD meeting June 9-10, 2022