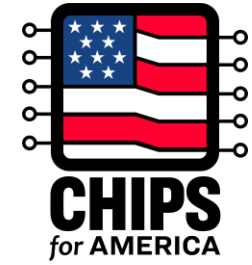


CHIPS for America

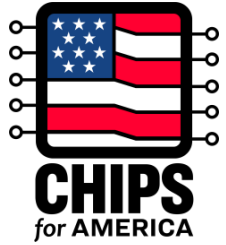
Creating Inclusive Opportunities for Individuals with Disabilities

A Good Jobs Initiative webinar for organizations that serve, support, or otherwise work with the disability community.



May 9, 2024





Today's Speakers & Key Guests



Karen Owens

CHIPS Senior Policy Advisor
Opportunity & Inclusion



Jessica Nicholson

CHIPS Senior Advisor
Workforce Strategy



Anupa Geevarghese

U.S. Department Of Labor
ODEP Chief of Staff



Emlyn Bottomley

U.S. Department of Labor
Good Jobs Initiative



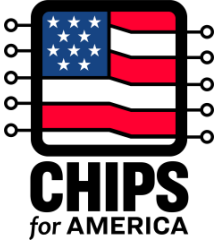
Carol Tyson

Chair, Consortium for
Constituents with Disabilities



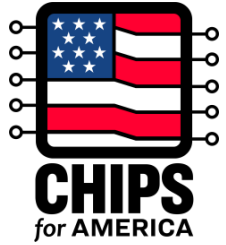
Martin Pittman

CHIPS Policy Advisor
Opportunity & Inclusion



Disclaimer

- Statements and responses to questions about advanced microelectronics research and development programs in this presentation:
 - Are informational, pre-decisional, and preliminary in nature.
 - Do not constitute a commitment and are not binding on NIST or the Department of Commerce.
 - Are subject in their entirety to any final action by NIST or the Department of Commerce.
- Nothing in this presentation is intended to contradict or supersede the requirements published in any future policy documents or funding opportunities.

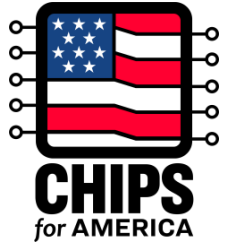


Agenda

Today we will cover the following:

- Opening Remarks
- The CHIPS for America Vision
- CHIPS Workforce Development
- U.S. Department of Labor's Good Jobs Initiative
- CHIPS Research and Development
- Next Steps
- Q&A

CHIPS for America Vision



Economic Security

The CHIPS Act will strengthen supply chain security and increase economic resilience in critical sectors.



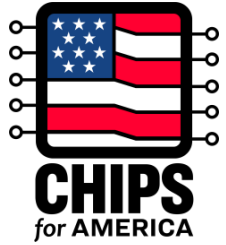
National Security

The CHIPS Act will ensure that the U.S. can manufacture advanced technologies, including secure chips for the U.S. military.



Future Innovation

The CHIPS Act will spur innovation, increase competitiveness, and ensure long-term U.S. leadership in the sector.



CHIPS for America Programs

\$39 billion for manufacturing

Components:

- Attract large-scale investments in advanced technologies such as leading-edge logic and memory
- Incentivize expansion of manufacturing capacity for mature and other types of semiconductors

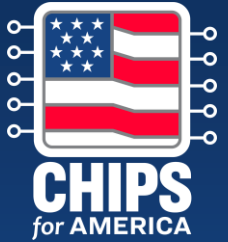
\$11 billion for R&D

- National Semiconductor Technology Center
- National Advanced Packaging Manufacturing Program
- Manufacturing USA institute(s)
- National Institute of Standards and Technology measurement science

Together with CHIPS initiatives from other agencies, including DOD, State, NSF, and Treasury



Notices of funding opportunities (NOFO) Priorities for Manufacturing



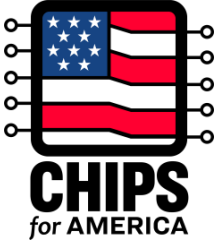
NOFO #1

Economic and national security objectives	Commercial viability	Financial strength	Technical feasibility and readiness	Workforce development	Broader impacts

NOFO #2

Economic and National Security Objectives	Commercial Viability	Financial Strength	Technical Feasibility and Readiness	Workforce and Community Investment

Funding Eligibility for Manufacturing Incentives



For organizations
that are...

- private
- non-profit
- consortia

that can...

- construct
- expand
- modernize

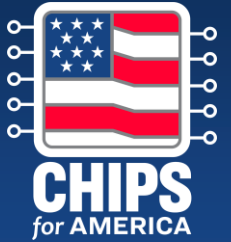
a U.S. facility for...

- fabrication
- assembly
- testing
- packaging
- production

of...

- semiconductors,
- materials used to
manufacture
semiconductors,
or
- semiconductor
manufacturing
equipment

Opportunity & Inclusion Priorities



Skilled & Diverse Workforce

Focus on the intentional recruitment, hiring, retention and promotion of economically disadvantaged individuals



Inclusive Business Opportunities

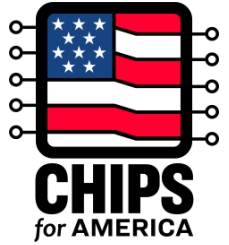
Inclusion of small businesses, minority-owned businesses, veteran-owned businesses, and women-owned businesses



Community Investment

Investments to build strong communities with active participation in the U.S. economy and facilitate job creation

Inclusive Business Opportunities



Creating business opportunities that are inclusive for all, including small businesses, veteran-owned, minority-owned, and women-owned businesses

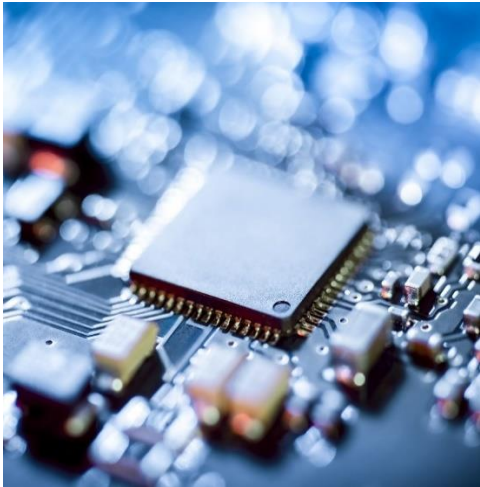
Businesses can also help provide:

Office and clerical support

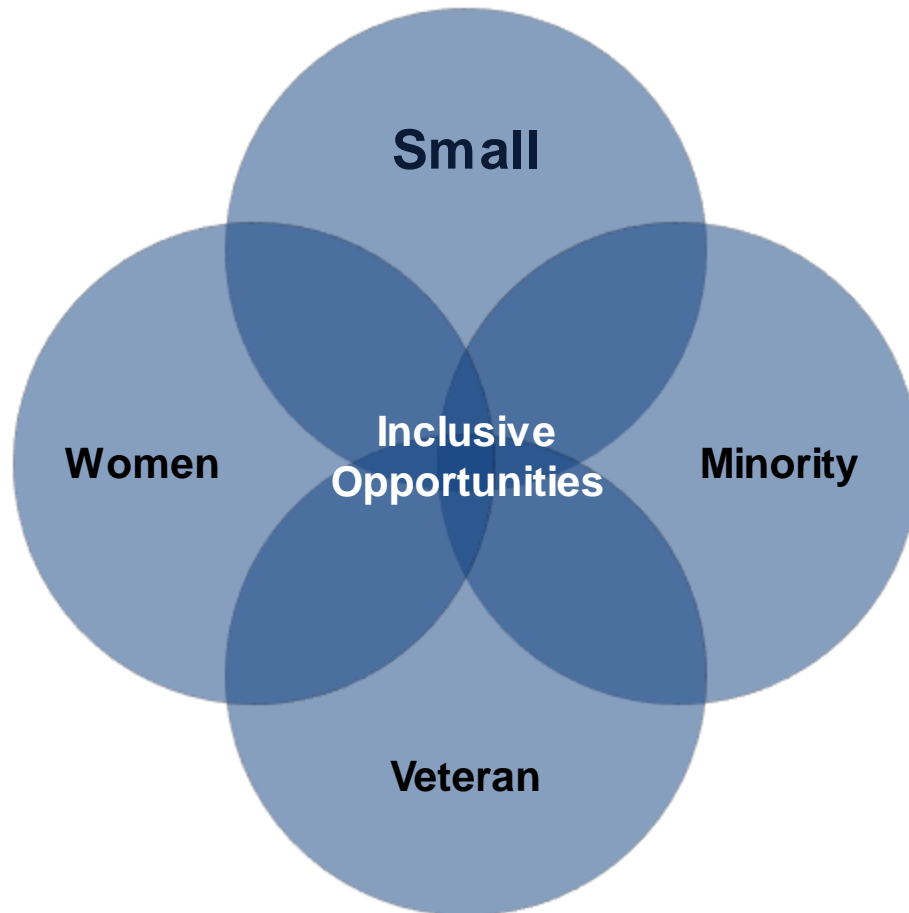
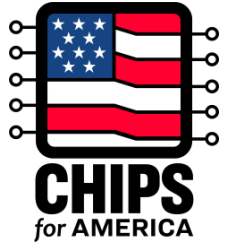
On-site or off-site childcare

Maintenance support

Accounting and site planning support



What are Small, Minority, Veteran, and Women-Owned Businesses?

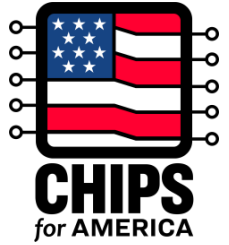


At least **51% owned or 51% of stock is owned** by minorities / veterans / women

Certified by federal government or recognized certifying bodies (not required)

While not required, applicants can also consider LGBTQ+-owned businesses, disability-owned businesses, or businesses located in HUBZones or Opportunity Zones.

Community Investments



Identify

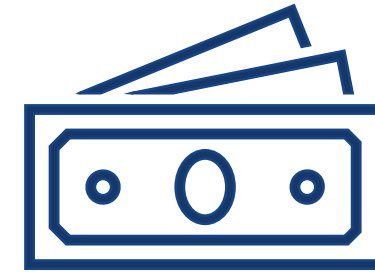
Identify areas ideal for investment that align with greater regional investment

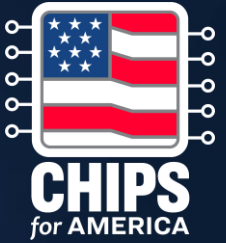
Address

Address barriers to economic inclusion

Drive

Drive impact and change in communities based on need





Workforce Development

Good Jobs Principles and the U.S. Department of Labor's Good Jobs Initiative



The Good Jobs Initiative

Job Quality

Recruitment and Hiring

Benefits

Diversity, Equity, Inclusion, and Accessibility (DEIA)

Empowerment and Representation

Job Security and Working Conditions

Organizational Culture

Pay

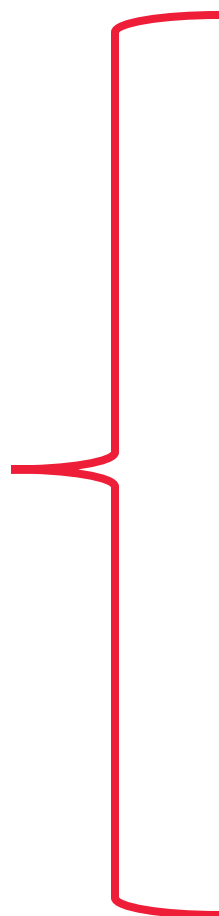
Skills and Career Advancement

[Learn more](#) about the Department of Commerce and Department of Labor Good Jobs Principles



From Good Jobs Principles to Good Jobs

Example Job Quality Policy Tools



Supportive Services

Registered Apprenticeship Utilization Requirements

Local and Economic Hiring Objectives

Workplace Health and Safety Plans

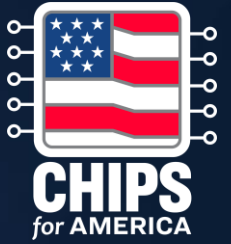
Project Labor Agreements

Prevailing Wage Requirement

Labor Peace and Union Neutrality

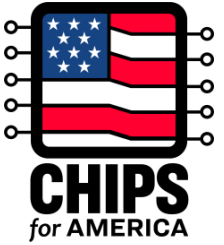
Commitment to Participate in OFCCP's Mega Program

See DOL's [job quality checklist](#) and [example language](#) for more information



Workforce Development

CHIPS Workforce Development Vision

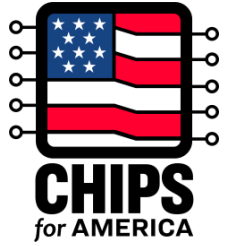


Delivering on our **national and economic security objectives** demands **major investments in the semiconductor workforce** that will support **good jobs across the industry.**

America's diversity is a comparative advantage; we must make significant investments to create opportunities for **Americans from historically underserved communities.**

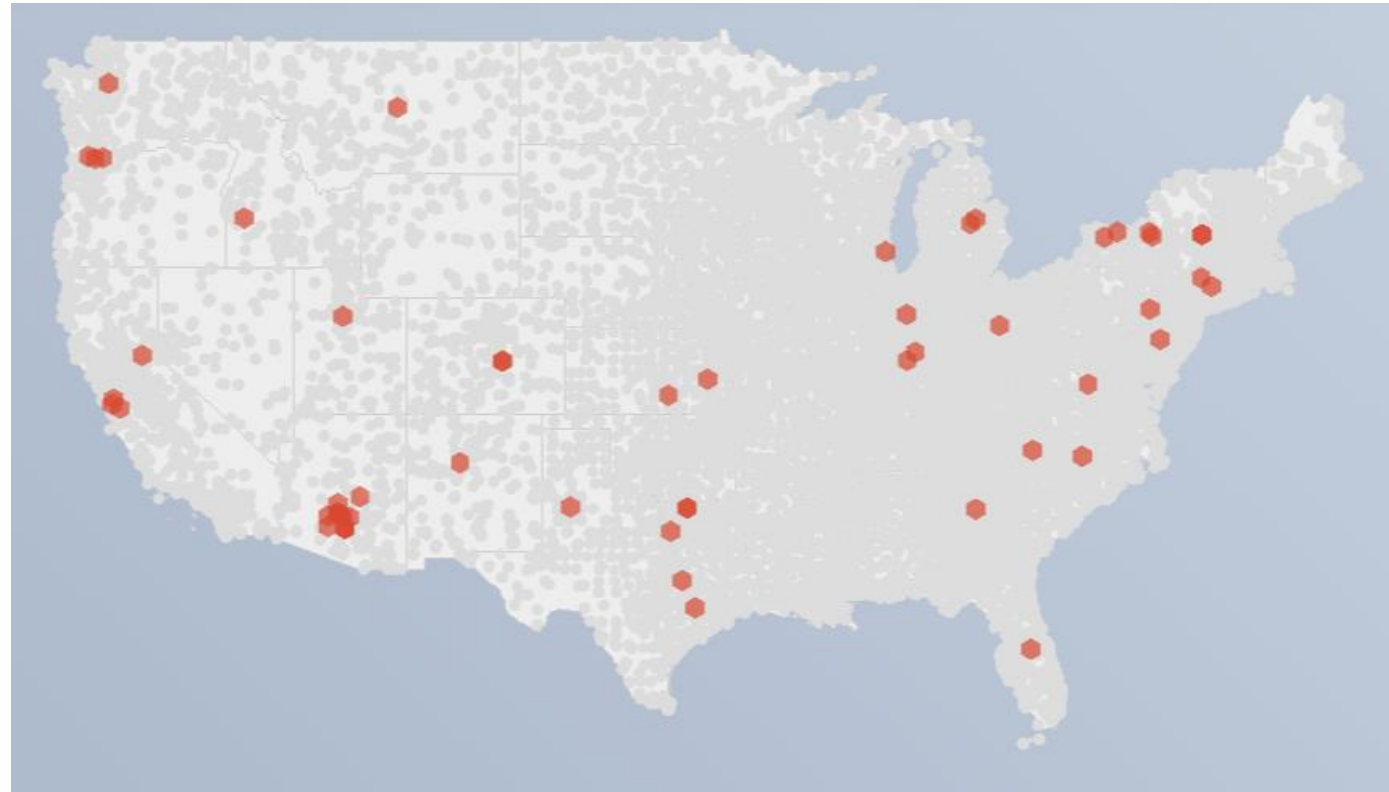
Effective workforce solutions **enable key stakeholders to work together.**



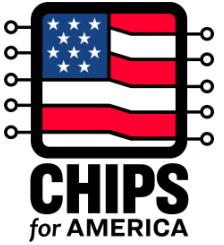


Manufacturing the Future

Under the Biden-Harris Administration, private companies have announced over \$650 billion in manufacturing, and over \$244 billion in semiconductor manufacturing.

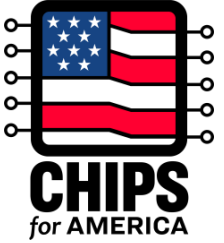


CHIPS for America – Construction Workforce



A skilled construction workforce is critical to the construction, expansion and modernization of semiconductor fabrication, supplier, and R&D facilities

1. All published NOFOs require applicants to submit a construction workforce plan that addresses recruitment, training, and retention activities
2. This includes activities that will expand the workforce by reaching economically disadvantaged individuals
3. The NOFO expresses a preference for applicants to use Project Labor Agreements.
4. Participation in OFCCP's Mega Project Program



CHIPS Workforce Call to Action

Over the next decade...

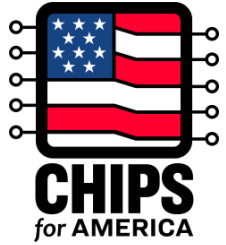
Double the U.S. semiconductor workforce overall.

Triple the number of graduates in semiconductor-related fields, including engineering.

Train 100,000 new technicians through apprenticeships, career and technical education, and career pathway programs.

Expand recruitment for **more people from underserved communities** – including women, workers of color, veterans, and workers with disabilities – to launch semiconductor industry careers.

Hire and **train an additional million women in construction** to meet the demand across a range of industries, including CHIPS projects.



Key Incentives Program Workforce Updates

CHIPS NOFOs require all applicants to submit a construction workforce plan and a facility workforce plan, including how applicants will adhere to Good Jobs Principles – and applicants requesting over \$150m must provide a plan to provide access to child care.

Many CHIPS incentives awards for construction, modernization or expansion of manufacturing facilities will include dedicated funds for workforce development – **including a number of those already announced.**

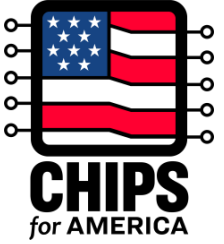
Public and private workforce investments in CHIPS-funded facilities expected to exceed \$500 million, based on commitments and industry benchmarks.

Workforce data collection will be embedded in awards to support long-term efforts

CHIPS for America expects new commitments to Registered Apprenticeships and pre-apprenticeships as a result of CHIPS awards.

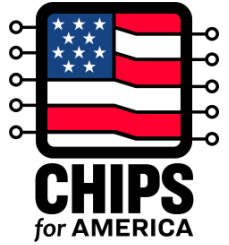
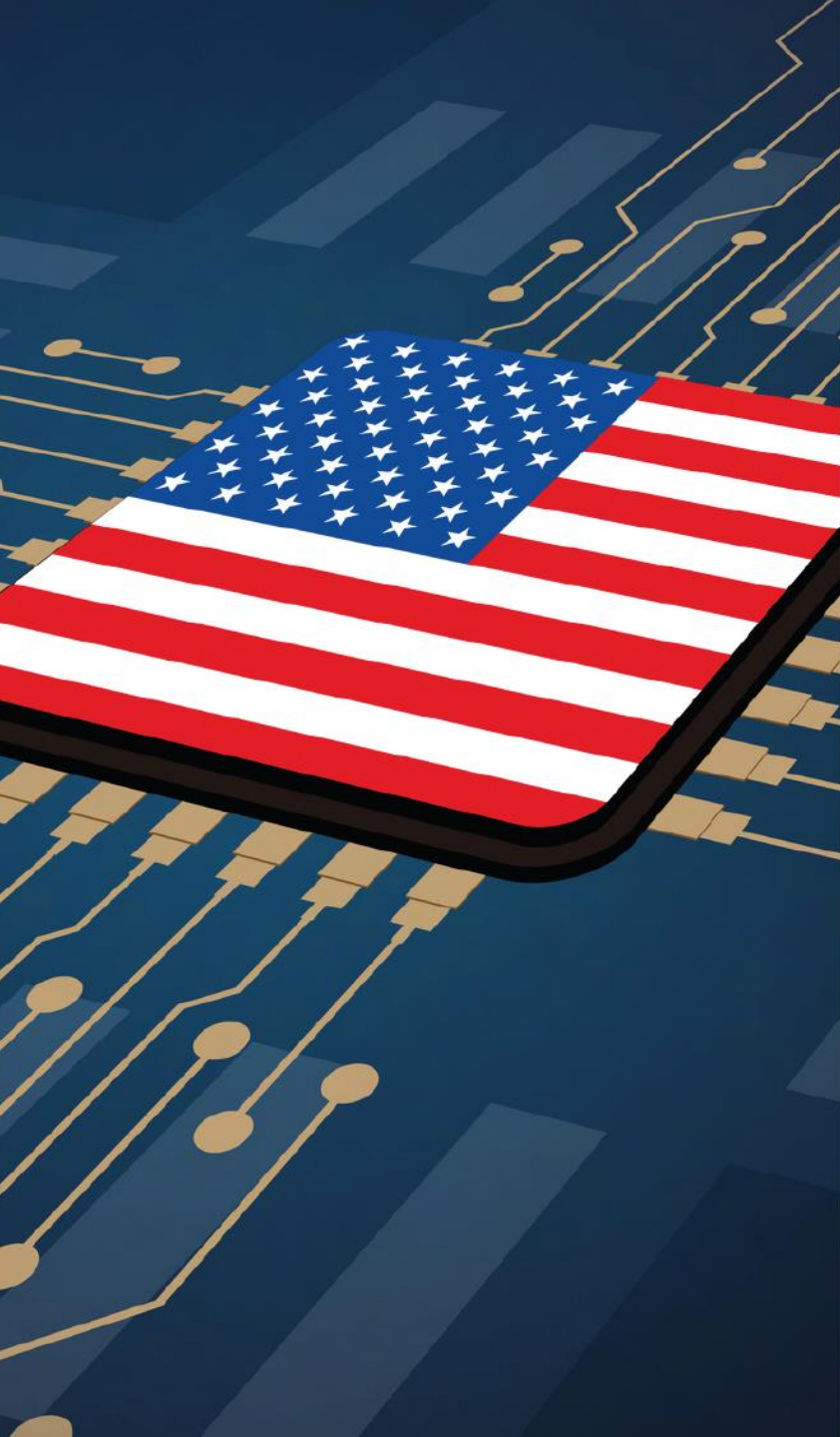
CHIPS for America staff expect to work closely with incentives recipients and regional education and training partners to support implementation of workforce strategies.

Frequently Asked Questions



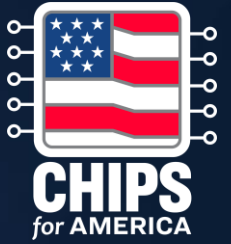
?

If I am a training provider or CBO that works with workers who are interested in the semiconductor industry, how do I get involved?



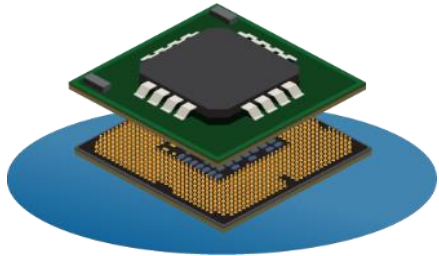
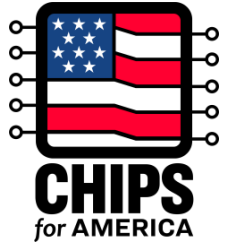
Additional CHIPS Resources

- Visit [CHIPS.gov](https://chips.gov) for resources, including:
 - [Workforce Progress Report](#)
 - [Workforce Development Guide](#)
 - [National Semiconductor Technology Center Vision & Strategy](#)
 - [Past webinars recordings and slides](#)
- Join [CHIPS mailing list](#)
- [Join Teaming Partner list](#)
- Complete Natcast [Community of Interest](#) survey
- Contact CHIPS
 - askchips@chips.gov – general inquiries
 - apply@chips.gov – application-related inquiries



CHIPS Research and Development

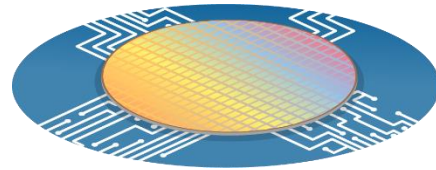
CHIPS R&D Programs



CHIPS National Semiconductor Technology Center (NSTC) Program



Natcast is an independent nonprofit organization and operator of the NSTC consortium



CHIPS National Advanced Packaging Manufacturing Program (NAPMP)



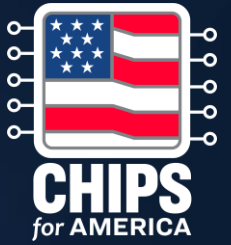
CHIPS Manufacturing USA Institute



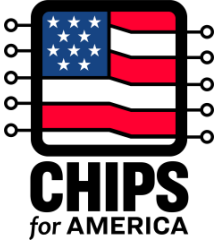
CHIPS Metrology Program



Workforce Initiatives



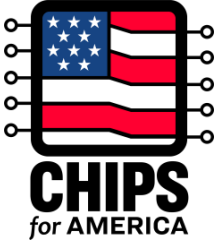
Next Steps



What's Next

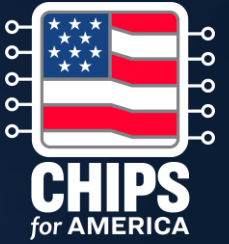
- Visit [CHIPS.gov](https://chips.gov) for resources, including:
 - Notice of Funding Opportunity
 - Vision for Success paper
 - Applicant guides and templates
 - FAQs and fact sheets
 - Webinar schedule (and recordings of prior webinars)
- Join our mailing list
- Contact us
 - apply@chips.gov – application-related inquiries
 - askchips@chips.gov – general inquiries

Teaming Partner List

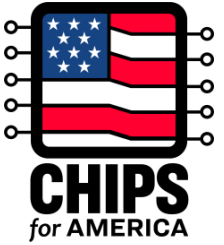


- The teaming partner list enables entities to share information and foster collaboration
 - Entities that may not be eligible to apply can share contact information and capabilities
 - Potential applicants reach out to entities on the list to facilitate potential partnerships and collaboration

<https://www.nist.gov/chips/chips-america-teaming-partner-list>

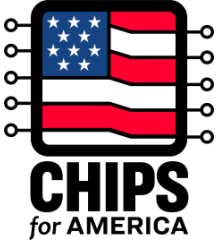


Questions



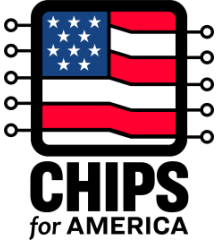
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What efforts are planned, or underway, to increase diversity and inclusion in the technology sector to better ensure that people with disabilities have an opportunity to join the skilled technical workforces needed to revitalize and strengthen the U.S. semiconductor industry?



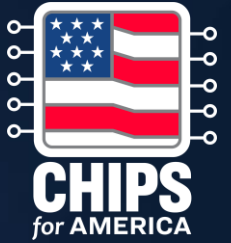
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How can the disability community begin to engage with entities receiving CHIPS investments to help support the execution of the CHIPS programs?

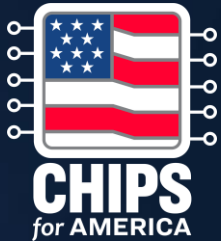


?

How can interested organizations stay up to date on CHIPS investments in their communities?



Final Remarks from the U.S. Department of Labor's Office of Disability Employment Policy



Thank you!