U.S. DEPARTMENT OF LABOR

ETA VISION 2030

REGIONAL CONVENING

NOVEMBER 14-15, 2023

Meeting the Moment: Workforce Vision 2030, A Historic Opportunity

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Meeting the Moment: Workforce Vision 2030, A Historic Opportunity

Lenita Jacobs-Simmons

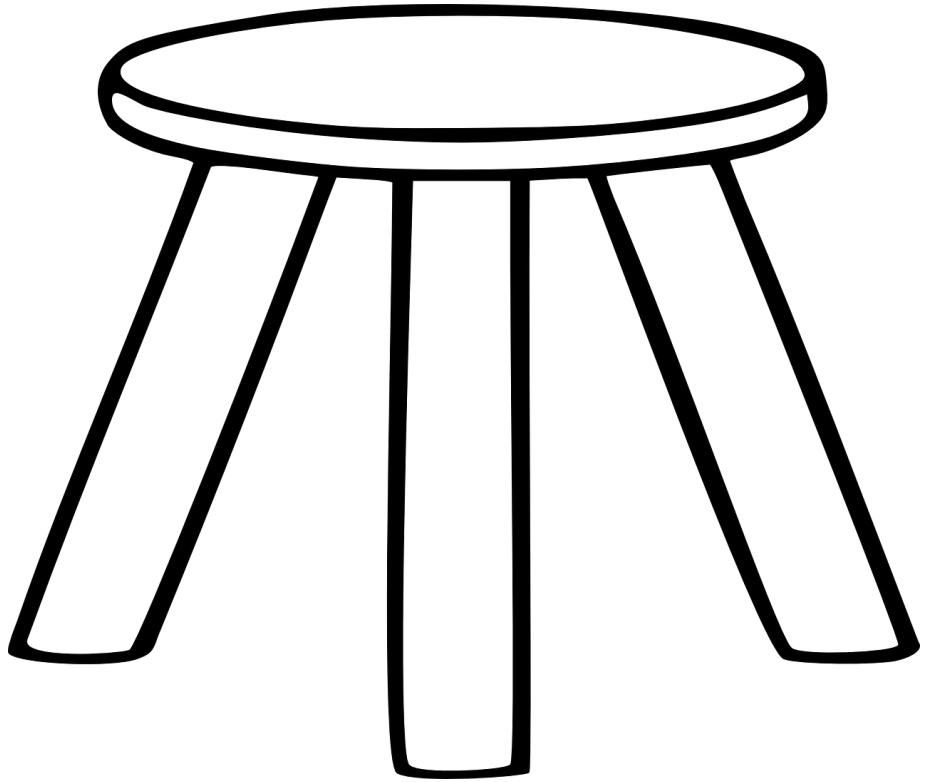
Deputy Assistant Secretary

U.S. Department of Labor, Employment
and Training Administration

The Four Pillars

ETA Vision 2030

Reinvigorating Federal – State – Local Partnerships



Meeting the Moment: Workforce Vision 2030, A Historic Opportunity

Molly Bashay

Policy Advisor

U.S. Department of Labor, Employment and Training Administration

Meeting the Moment: Workforce Vision 2030, A Historic Opportunity

Angela Dayton

Program Manager

U.S. Department of Energy, Energy Efficiency Workforce Development Program

Energy BIL & IRA Workforce Programs

Supply of Skilled Green Buildings Workforce

~$300M in programs that support worker recruitment, training, and credentialing.

- ✓ Building Energy Auditor Training
- ✓ State-Based Home Energy Efficiency Contractor Training Grants
- ✓ Building Training & Assessment Centers Industrial Assessment Centers
- ✓ Career Skills Training
- ✓ Weatherization Assistance Program (WAP) Training Funds

Demand for Skilled Green Buildings Workforce

~$47B in programs that support worker employment & high job quality.

- ✓ Residential Clean Energy Tax Credits
- ✓ Home Efficiency Rebates
- ✓ Home Electrification & Appliance Rebates
- ✓ Building Energy Codes Adoption
- ✓ WAP

MARKET PULL

DOL ETA Grantees Can Partner with DOE Grantees to....

Identify needs	• Identify existing workforce programs, certifications, and gaps • Identify job categories in high demand • Develop strategy for recruiting and filling these gaps
Collaborate	• Engage local partners • Collaborate to determine additional training needed for the existing energy workforce
Gather materials	• Research existing training materials • Leverage existing tools to support workforce development
Prioritize equity	• Develop a plan for addressing equity and environmental justice • Support good-paying jobs with a free and fair choice to join a union

SCEP
STATE & COMMUNITY ENERGY PROGRAMS

Impact DOE's investment in the energy workforce by **coordinating** with **State Energy Offices**.

- Provide workforce expertise
- Showcase training best practices
- Assist with community-benefit plans
- Amplify employment placements
- Serve as a partner

Angela Dayton, MS | eeworkforceprograms@hq.doe.gov | www.energy.gov/SCEP

Meeting the Moment: Workforce Vision 2030, A Historic Opportunity

Greg Claus

Federal Program Officer

National Telecommunications and Information Administration (NTIA), BEAD Grant Program

Jessica Nicholson

Senior Advisor for Workforce Strategy

U.S. Department of Commerce, CHIPS Program Office

Internet For All Initiative

Administered by the Department of Commerce's National Telecommunications and Information Administration (NTIA)

NTIA will administer ~$48B of funding from the Bipartisan Infrastructure Law

BEAD

$42.45B

Broadband Equity, Access & Deployment Program

A program to get all Americans online by funding partnerships between states or territories, communities, and stakeholders to build infrastructure where we need it to and increase adoption of high-speed Internet.

DIGITAL EQUITY

$2.75B

Digital Equity Act

Three programs that provide funding to promote digital inclusion and advance equity for all. They aim to ensure that all communities can access and use affordable, reliable high-speed Internet to meet their needs and improve their lives.

ETA Region 3

$9.03B

Alabama	$1.40B
Florida	$1.17B
Georgia	$1.3B
Kentucky	$1.1B
Mississippi	$1.2B
North Carolina	$1.5B
South Carolina	$551M
Tennessee	$813M

ETA Region 5

$8.94B

Illinois	$1.04B
Indiana	$868M
Iowa	$415M
Kansas	$451M
Michigan	$1.56B
Minnesota	$651M
Missouri	$1.7B
Nebraska	$405M
Ohio	$793M
Wisconsin	$1.06B

NTIA Workforce Research Findings: Illinois

BEAD demand makes up 4% of Illinois's cross-industry deficit

BEAD Occupation Group	BEAD Demand (FTEs)	Cross-Industry Deficit (FTEs)[1]	Deficit / Supply[2]
2026 Totals	(2.8K)	(73.8K)	-8.5%
Laborers and material movers	(1,183)	(35,769)	-9.5%
Trucking crew	(613)	(14,766)	-7.0%
Software engineers	(252)	(6,202)	-8.1%
Equipment operators	(172)	(4,226)	-6.9%
Fiber and wireless technicians	(132)	(2,307)	-5.6%
Trenchers	(102)	(3,660)	-11.5%
Structural engineers	(88)	(1,415)	-5.3%
Network architects and coordinators	(83)	(1,419)	-5.6%
Master and stage electricians	(77)	(2,643)	-11.0%
Surveyors and drafters	(26)	(694)	-8.8%
RF & field engineers	(26)	(400)	-5.4%
Inspectors (e.g., permit, health & safety)	(20)	(291)	-5.0%

Supporting telecom-specific openings by partnering with targeted groups (e.g., trade organizations) can help attract manual workers from outside of the telecom industry

Standardizing licensing requirements across states can enhance worker mobility, enabling adjacent-state workforce strategies; licensing compacts from other industries can serve as initial models

Notes: BEAD deployment role(s) tagged to each BEAD Occupation Group included in appendix mapping table; 1) Includes 2026 baseline forecast + incremental BEAD impact; 2) Cross-industry deficit / cross-industry supply

Sources: BLS, PMP, OECD, CBO, CostQuest, Deloitte Analysis

Next Steps

Eligible Entities can use their state workforce data to develop a plan that will prepare and maintain a robust telecommunications workforce.

1. **Contact your State Broadband Office** to assemble your workforce team to scope workforce-related project activities and develop workforce standards.
2. **Review the report findings** with your workforce team, focusing on the scale and **types of shortages** as well as **top deficits by occupation**.
3. **Consult other telecommunications workforce data sources** including the State Department of Labor in conjunction with the report findings to obtain as complete a picture as possible.
4. **Use NTIA's Workforce Planning Guide** to help integrate the report findings into your state's telecommunications workforce development plan.
5. **Reach out to and partner with employers, unions, community partners, and local organizations** focused on workforce to identify existing training programs and next steps to close the workforce deficit.

! Refer to Section 3 of the Workforce Planning Guide for additional guidance on how to assemble your workforce team and evaluate workforce shortages in your state.

NTIA WORKFORCE RESOURCES FOR ELIGIBLE ENTITIES

Workforce Planning Guide

Serves as a resource for Eligible Entities designing workforce plans and standards for subgrantees, offering strategies and recommended approaches.

Workforce Requirements and Guidance Webinar

Delivers an overview of workforce strategies for BIL implementation.

Telecommunications Training & Workforce Development Program Best Practices Checklist

(Forthcoming)

Provides a checklist and case studies to evaluate workforce training and development programs.

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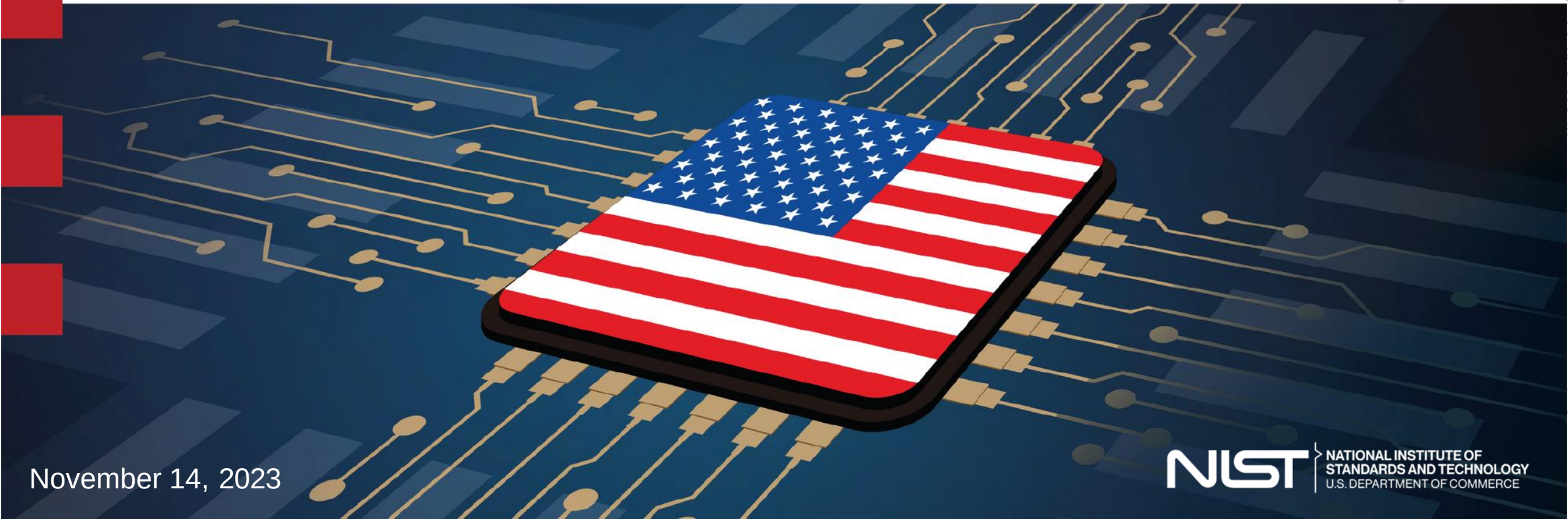
CHIPS for America
Funding Opportunities and Workforce Development

ETA Vision 2030 Workforce Regional Convening



November 14, 2023

NIST NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY
U.S. DEPARTMENT OF COMMERCE

CHIPS for America Programs

$39 billion for manufacturing

Components:

1. Attract large-scale investments in advanced technologies such as leading-edge logic and memory
2. 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

Workforce development

Program Priorities

Economic and national security objectives

Commercial viability

Financial strength

Technical feasibility and readiness

Workforce development

Broader impacts / Community investment

Funding Opportunities

February 28, 2023

1st Funding Opportunity (Released)

For **commercial leading- edge, current,** and **mature node fabrication facilities**

June 23, 2023

Amended 1st Funding Opportunity (Released)

+For **large semiconductor materials** and **equipment facility projects $300M+**

September 29, 2023

2nd Funding Opportunity (Released)

For **smaller semiconductor materials** and **equipment facility projects under $300M**

Forthcoming

3rd Funding Opportunity

To support the construction of **semiconductor R&D facilities**

The CHIPS Program Office has received over 500 statements of interest and 100 pre-applications and full applications

Defining Consortia and Clusters

Consortium

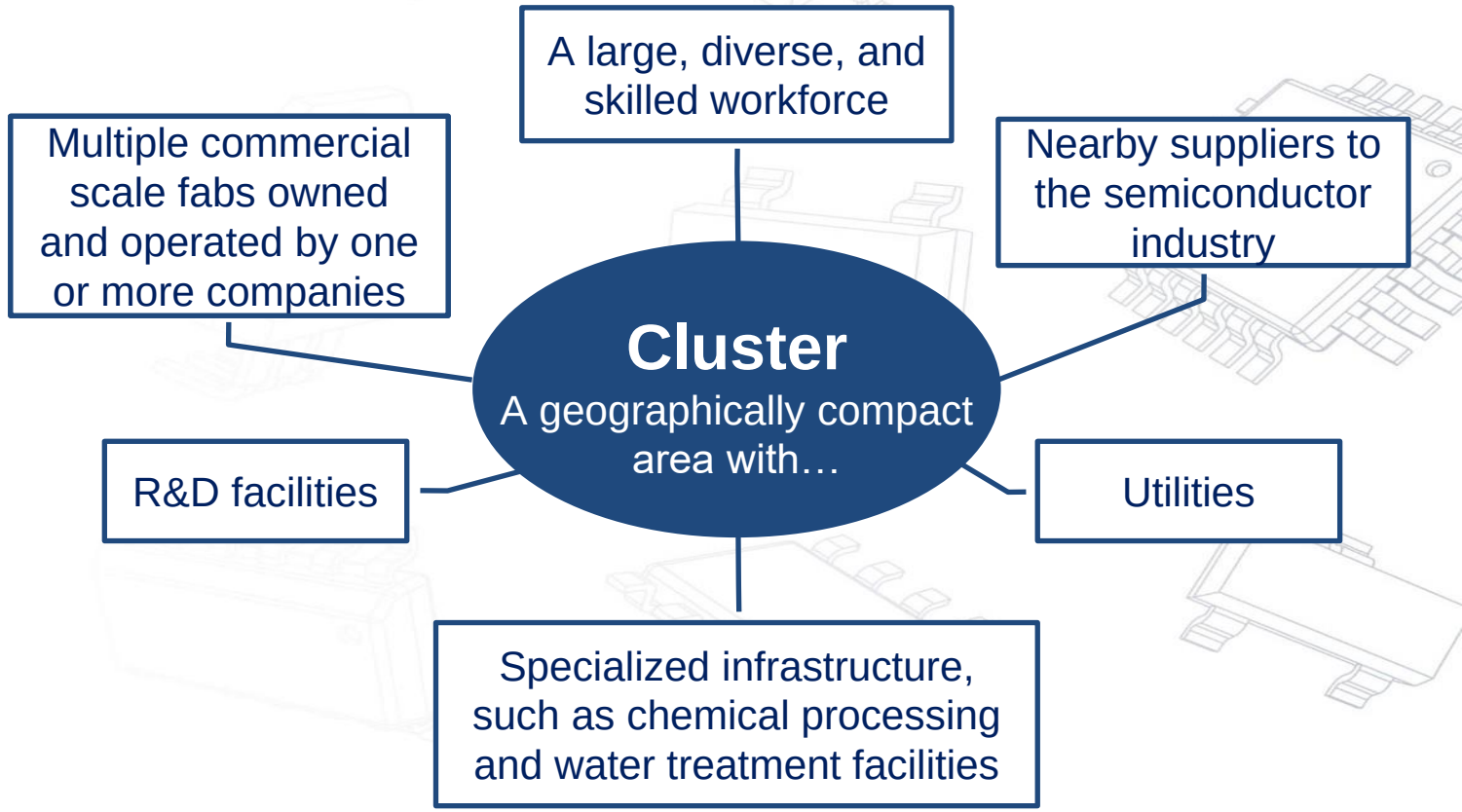
A collection of…

- ❑ **Private**
- ❑ **Non-profit**

and/or

- ❑ **Public**

…entities working together to build vibrant U.S. semiconductor fab clusters.



Strong Partnerships are Critical to Project Success

Effective workforce investments rely on successful strategic partnerships, and partnerships will be critical to achieve CHIPS program goals.

Partners can help applicants:

- Attract new sources of talent
- Increase awareness of opportunities
- Provide wraparound supports
- Retain and grow the workforce

Workforce Development Plan Provisions in the NOFO

1. Workforce plans should be **developed with partners.**
2. For both facility and construction workforce, plan components include:
    a) Workforce Needs Assessment
    b) Worker Recruitment and Retention Strategy
    c) Good Jobs Principles Approach
    d) Workforce Training and Wraparound Services Strategy
    e) Metrics and Milestones
    f) Child Care Plan (for CHIPS Incentives requests over $150 million)
3. Commitment to supporting **long-term, cross-cutting initiatives**

Next Steps

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

Thank You

email: Jessica.Nicholson@chips.gov

Meeting the Moment: Workforce Vision 2030, A Historic Opportunity

Dr. Mary Leary

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Federal Transit Administration (FTA),
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Workforce Development

Mary A. Leary, PhD

Associate Administrator, Office of Research, Demonstration and Innovation

Department of Labor Vision 2030

November 14, 2023

U.S. Department of Transportation
Federal Transit Administration

Federal Transit Administration (FTA) Workforce Development

FTA Mission: Improve America's communities through public transportation

FTA Vision: A better quality of life for all built on public transportation excellence

FTA Workforce Development Initiative Projects

- National Transit Institute (NTI)
- Innovative Transit Workforce Development Projects
- Transit Workforce Center (TWC)
- High School and Youth Outreach
- Data Literacy Development for Transit Workers

Ways to Connect with FTA's Workforce Initiative

- **Partner with Transit Agencies on Recruitment activities:** urbanized areas can use FTA funding to develop workforce projects
- **Reach out to the TWC:** they provide technical assistance, online statistics, training, resources
- **Assist with Zero-Emission Maintenance Worker Training:** transit agencies must use 5% of low emission bus funding for workforce development
- **Data Literacy**: share ideas with us
- **Help us expand partnerships:** FTA is looking for more opportunities to connect with community colleges, trade schools, and high schools as part of a national transit jobs awareness and outreach campaign

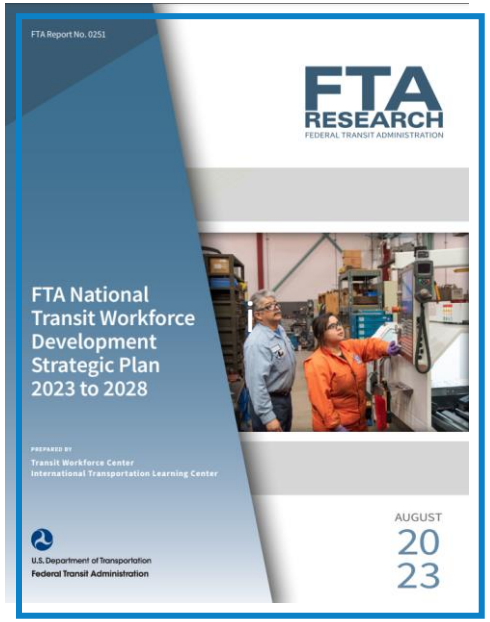
FTA Workforce Development Resources

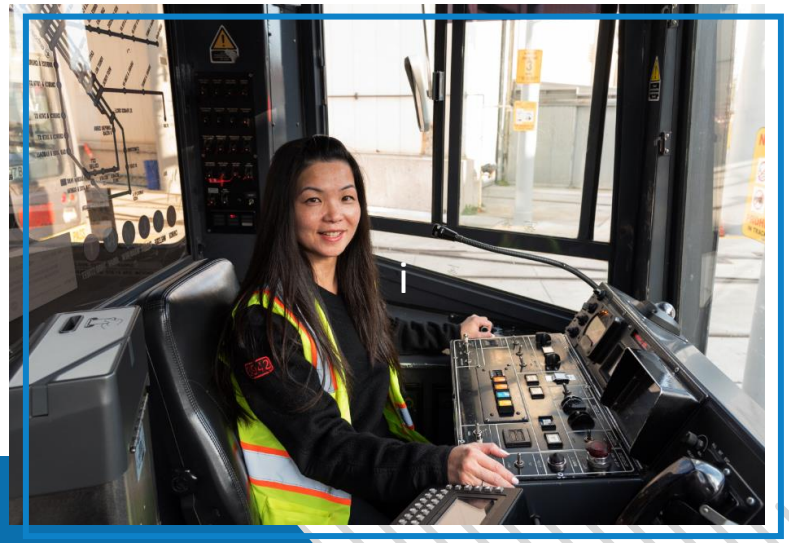
FTA National Transit Workforce Development Strategic Plan 2023 to 2028
https://www.transit.dot.gov/sites/fta.dot.gov/files/2023-08/FTA-Report-No-0251-rev.pdf

Transit Workforce Center (TWC)
https://www.transitworkforce.org

National Transit Institute (NTI)
https://www.ntionline.com/

Zero Emission Vehicle Fleet Transition
https://www.transit.dot.gov/funding/grants/zero-emission-fleet-transition-plan





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