MAKING CONNECTIONS, MAKING A DIFFERENCE

att a late II

Making 2024

TRANSIT WORKFORCE CENTER

THE OWNER WHEN

The National Transit Workforce Conference

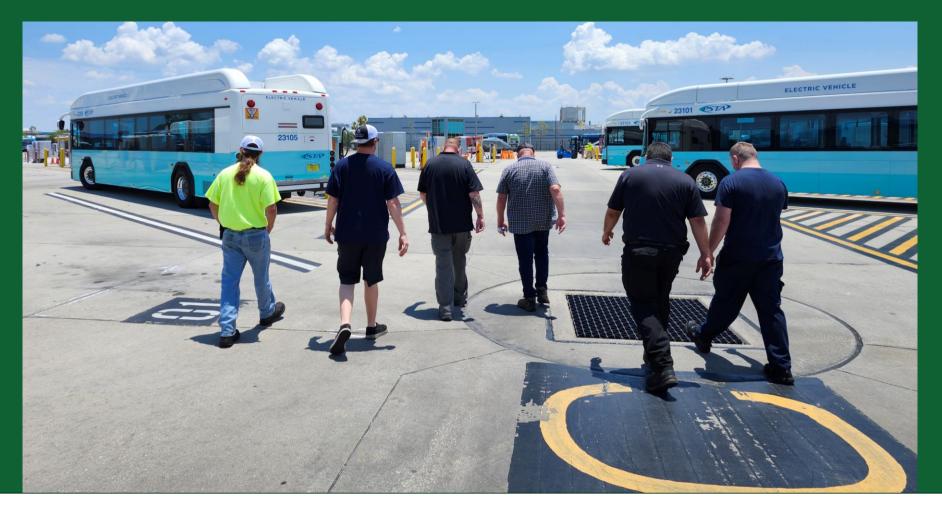
-• November 11 – 13. 2024 · Baltimore. MD •-

Q Safety Briefing

- Note your location: Hilton Baltimore Inner Harbor, Floor 2.
- Identify your nearest exits.
- Automated system will alert attendees if we need to evacuate the building.
 - Use stairs, not elevators. Anyone unable to use the stairs will be assisted by fire department at the stairwell.
 - Our assembly point is Northwest Warehouse, 333 West Camden Street, just behind the Sports Legend Museum and adjacent to the ballpark.
- In the event of medical emergency, call 911 from a cell phone (if no cell phone, use house phone). Security (443-683-8801) will also assist. Hotel has qualified staff to perform first aid and operate CPR.
- To report emergencies to the hotel, dial 65 on a house phone.



Zero In and Power Up: Resources for a Smooth Workforce Transition to Zero-Emission Vehicles













Jason Macumber

Senior Advisor for Workforce Development *TWC* **Brian Markey** Chief Executive Officer *Custom Training Aids Inc.* Brandon Liu Instructional Designer *TWC*



Q Special Thanks to National Transit Institute (NTI)





Q Transit Workforce Center – Mission

Operated by the **ITLC**, the **Transit Workforce Center** (TWC) is **FTA**'s first ever national technical assistance center for transit workforce development.



mission

The TRANSIT WORKFORCE CENTER is the Federal
Transit Administration's first ever national technical
assistance center for transit workforce development. Its mission is to help urban, suburban, tribal, and rural public transportation entities throughout the U.S. recruit, hire, train, and retain a diverse workforce for now and into the future.



Q FTA's Strategic Workforce Development Goals



Strengthening Workforce Health and Safety



Funding Workforce Development



Enhancing Outreach and Recruitment



Retaining a Strong & Diverse Workforce



Advancing Skills, Careers and Partnerships



Utilizing Workforce Data and Metrics



Q ZEB Workforce Transition Planning

8 **ZEB Workforce Transition Plan** -7 **Steps for Development** 6 5 **Identify How** Training will be Engage 4 Paid for Current Identify Role of Workforce in 3 Training for Transition New Hires and Planning Identify 2 Steps to Avoid Training Worker Program/ Displacement 1 Partners.incl. Describe Training Earlier Metrics Transition Plan **Identify Skills Assess Current** Gaps Skills and Estimate # of Workers Identify Skills, Impacted Training & Credentials



Battery Electric Bus Fundamentals: Overview

Battery Electric Bus (BEB) Familiarization Course – Module 1



Module 1 Introduces

- Comparisons between ICE, hybrid and BEBs
- Details of BEB systems and major components
- Theory of operation & propulsion, regenerative braking
- High voltage awareness, risks, and identification
- Thermal and battery management systems
- Data communications
- Preventive Maintenance basics







Electrical Safety and Personal Protective Equipment

BEB Familiarization Course – Module 2



Module 2 Introduces

- Electrical fundamentals and safety considerations
- Personal Protective Equipment (PPE)
- Safety and testing equipment
- De-energization of a BEB electrical system
- (Lock Out/Tag Out)





PPE Demonstration

We'll need two volunteers!



Equipment Demonstration

We'll need two (new) volunteers



Battery Charging Technologies

BEB Familiarization Course – Module 3



Module 3 Introduces

- Charging fundamentals
- Electric Vehicle Charging Standards
- Charging technology methods and details
- Brief Charging Precautions







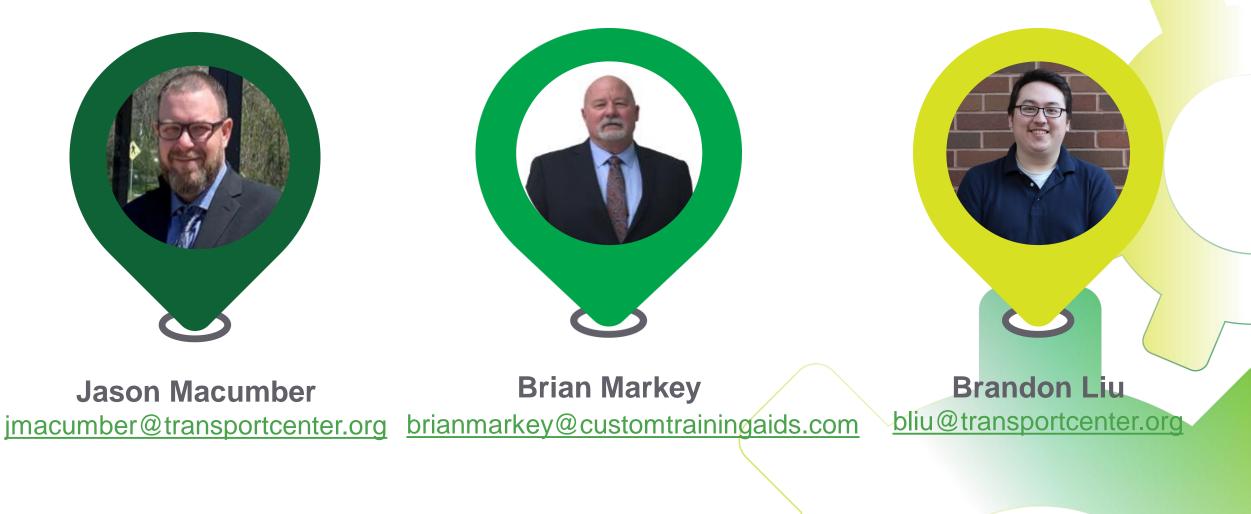




- Transit Workforce Center
- TWC Battery Electric Bus Familiarization Course
- TWC Resource Center
 - Search "BEB"



Contact Us!



TRANSIT WORKFORCE CENTER