



Saving Money and Reducing Truck Emissions Webinar Series

Drivers & Techs: Preparing the Workforce for the Electric Vehicle Transition

Date: Thursday, July 16, 2026

Time: 11 AM - 12 PM Central Time

**Hosted by the North Central Texas Council of Governments
(NCTCOG)**

Register at <https://forms.microsoft.com/r/tqeC4Mumf0>

Webinar will be presented through **ZOOM**

Contact: Trey Pope, tpope@nctcog.org

Jason Brown, jbrown@nctcog.org

Presenters:

Angela Amirkhanian

TRC, Member of WSP

Jared Wright

North Central Texas Council of Governments

Overview



Image provided by
Getty

Welcome, Introduction

Presenter: Trey Pope, Transportation/Air Quality Planner, NCTCOG

Driving the Future: Workforce and Innovation in the JETSI Electric Truck Initiative

Presenter: Angela Amirkhanian, Senior Program Manager, TRC Companies

NCTCOG Zero Emission Vehicle and Infrastructure Workforce Initiatives

Presenter: Jared Wright, Principal Transportation Planner, NCTCOG

Discussion

Updates and Close



SMARTe Webinar Series: Drivers and Techs: Preparing the Workforce for the Electric Vehicle Transition

Saving Money and Reducing Trucking Emissions Program



GOALS

Promote emissions reduction and cost saving strategies within the trucking industry



INITIATIVES

Build relationships within the trucking industry

Share information about emission reduction strategies

Connect SmartWay verified technology to trucking owner/operators and fleet managers



Saving Money and Reducing Truck Emissions (SMARTE) Webinar- Drivers and Techs: Preparing the Workforce for the Electric Vehicle Transition

SMARTE

Saving Money and Reducing Truck Emissions



Driving the Future

Workforce & Innovation in the
Joint Electric Truck Scaling Initiative

The largest single deployment of battery-electric Class 8 trucks in North America to date



Presented By:



Angela Amirkhanian

Senior Program Manager

TRC, a Member of WSP

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Project Background

JETSI is a landmark deployment of battery-electric trucks in North America — dramatically increasing the number of zero-emission heavy-duty trucks moving goods across Southern California while achieving the emission and GHG reductions the region needs.

100 **Class 8**

Battery-electric trucks deployed

2 **Fleets**

NFI and Schneider operating at scale

#1 **Largest**

Single BET deployment in North America



Project Focus

Deploying battery-electric trucks at scale to cut emissions where Southern California breathes hardest.



100

Class 8 BETs

Volvo & Daimler, for drayage and regional haul



~5

Tons NOx + PM/yr

Criteria pollutants avoided each year



8,247

Metric tons GHG/yr

Greenhouse gas reduced each year



690K+

Diesel gallons/yr

Displaced each year vs diesel trucks



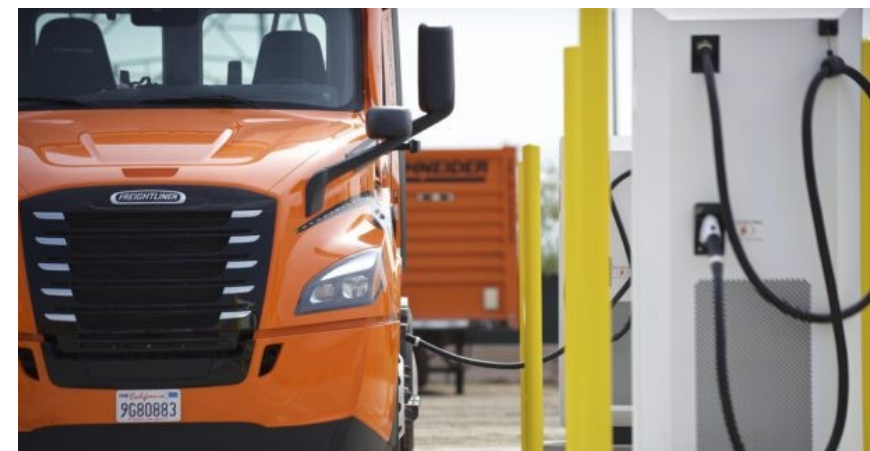
Goods Movement Corridor

San Pedro Bay port complex to Inland Empire distribution centers and warehouses



Priority Communities

Operating primarily in areas designated as overburdened by air pollution



Timeline Highlights

From first delivery to 10 million zero-emission miles.

April 2023



Trucks Delivered

100 Class 8 trucks delivered to NFI and Schneider: 20 Volvo VNR Electric and 80 Freightliner eCascadia.

June 2023



Schneider's Charging Depot Opens

Schneider hosts a ribbon cutting event for the debut of their BET depot to power their 50 JETSI trucks and BET fleet featuring 16 350 kW chargers in South El Monte, California

Feb 2024



NFI's Charging Depot Opens

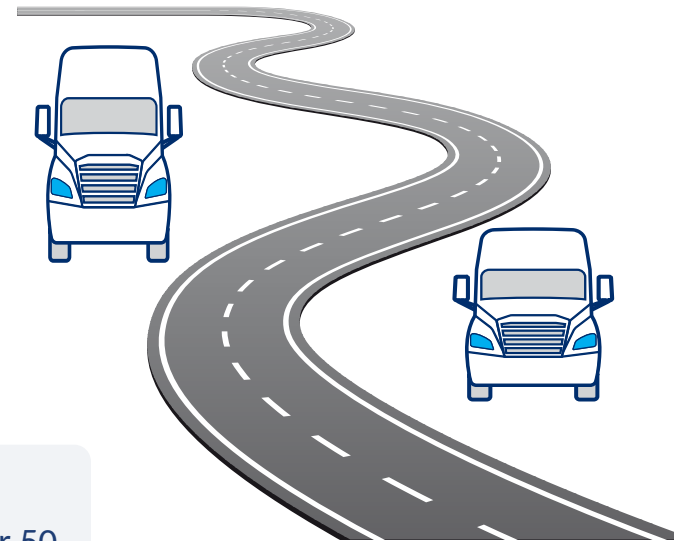
NFI hosts a ribbon cutting event for the opening of their BET charging depot to power their 50 JETSI trucks and BET fleet featuring 19 dual-port 350 kW chargers and 1 MW of solar battery storage in Ontario, California

Feb 2026



Fleets Hit 20M+ Zero-Emission Miles

NFI's zero-emission drayage fleet announces surpassing 10 million zero-emission miles in January 2026. Schneider's BET fleet surpasses 10 million zero-emission miles in February 2026



Made Possible By

\$73M+ Total public agency + partner investment in clean goods movement

JETSI is jointly financed by California Air Resources Board and California Energy Commission (\$27 million), South Coast AQMD (\$5 million), with an additional \$41million from MSRC, Port of Long Beach, Port of Los Angeles, Southern California Edison, NFI, and Schneider.

JETSI is part of California Climate Investments, putting billions of cap-and-trade dollars to work reducing GHG emissions, strengthening the economy and improving public health and the environment – particularly in overburdened communities.



JETSI Workforce Development



Built the ZEV Workforce Plan

Created a comprehensive data-collection framework and methodology to assess training needs and gaps, and documented delivery options and partnerships.



Analyzed Workforce Data

Documented employee classifications, job titles, wage rates, staffing levels, and training performance metrics across both fleets.



Designed & Digitized Surveys

Developed, digitized, and analyzed surveys for both training providers and participants to capture real outcomes.



Set Performance Indicators

Established KPIs for driver operations and truck maintenance, and identified EVSE planning, permitting, construction, and O&M needs.

JETSI Workforce Training

Ten training tracks spanning drivers, technicians, and charging infrastructure



Driver Operations



Train-the-Trainer



EV & High-Voltage Safety



Battery Safety & Maintenance



EV Technical & Service Training



Charger & Charging Management



Fleet & Vehicle Orientation



EVSE Operations & Maintenance



Charging Infrastructure & Software



Field Service

Key Findings at a Glance



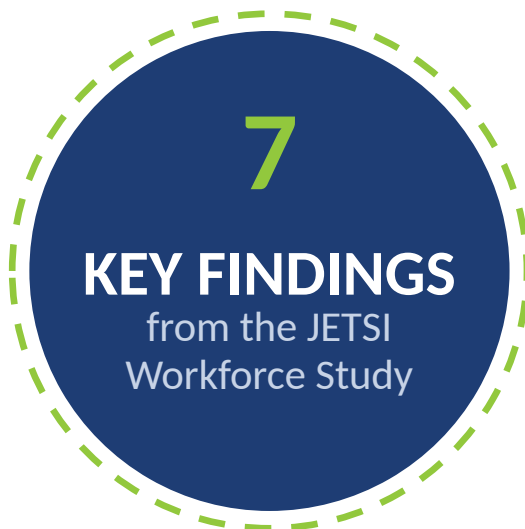
1 Technology adoption improved over time



2 Hands-on, in-person training was most effective



3 Workforce development remains critical



BET deployment demonstrated strong potential

New jobs emerging in charging infrastructure



Industry collaboration drives success



Continuous training is essential



Our Workforce at a Glance

Surveyed JETSI workforce: drivers, maintenance technicians, and supervisors



Male-Dominant
Workforce



**Primarily Hispanic/
Latino & White**



Ages 25–50+
Younger &
experienced mix



High School Diploma
Most common
education level



2-Year Tenure
Average in current
role



3 Core Roles
Drivers, techs &
supervisors



KEY TAKEAWAY A diverse mix of drivers, technicians, and supervisors entered the program with varying experience — a strong foundation for upskilling and EV adoption.

Training Key Findings



Training Quality Highly Rated

Training quality, instructor delivery, and course length all earned positive ratings from most participants.



Workers Felt Prepared

Most felt ready to perform job duties, vehicle inspections, and maintenance tasks after training.



Drivers More Confident

Drivers reported higher confidence than technicians — pointing to room for added technical training.



Resistance Decreased

Initial resistance to BEVs, software, and automation fell with experience and hands-on use.



More Training Requested

Participants asked for refreshers on batteries, charging infrastructure, diagnostics, and maintenance.



KEY TAKEAWAY Hands-on, continuous training builds confidence, reduces resistance, and is key to successful zero-emission truck adoption.

BET Fleet Toolkit

JETSI published a [BET fleet tool kit for California fleets](#) - a free, introductory resource for California fleets starting their zero-emission journey



BET Taskforce Guidance

How to form a dedicated team to manage your EV transition.



Vehicle Procurement Tips

Criteria for selecting the right battery-electric trucks.



Funding Insights

Grants and incentives to help offset deployment costs.



Infrastructure Guidance

Planning and building the charging your fleet needs.



Public Resources

A curated list to help you navigate the ZEV transition.

Assembling a BET Operations Team

Workforce Roles to Support BET Deployment

Below are some—but not all—new functions that may be required, considered, or added to existing roles when deploying BETs:



Position: **Energy Manager**

Responsibility: Tracking charging infrastructure activities, charging schedules, troubleshooting charger outages, managing repairs, and helping optimize cost savings from energy use and related best practices.



Position: **EV Fleet Operations Manager**

Responsibility: Creating charging schedules based on the truck's assigned routes, scheduling BETs on range-specific routes, coordinating necessary maintenance, and training drivers on the latest technology.



Position: **Funding and Incentives Liaison**

Responsibility: Tracking policy, public funding programs, and industry technology available for fleets.



Position: **Data Analyst**

Responsibility: Analyzing fleet performance data, optimizing routes, and ensuring efficient use of BETs. May also be responsible for data collection and reporting to external agencies.



Workforce development

is crucial as the market for zero-emission trucks expands. At the Los Angeles Cleantech Incubator, our recent collaboration with ChargerHelp! to establish the nation's first manufacturer-agnostic EV charger reliability training hub exemplifies our commitment to growing the green economy. By partnering with leaders across the industry, we can create specialized training opportunities to equip technicians and support staff with the skills needed for new technologies. This investment in our workforce not only supports a smooth transition to zero-emission fleets but also ensures long-term success in the evolving market."

—Estelle Reyes, SVP, Enhancing Community
Los Angeles Cleantech Incubator



Learn More

Explore electric trucks, charging infrastructure, workforce development, environmental benefits, and more.

www.JETSIproject.com

Driving economic & environmental sustainability across the commercial transportation sector.

www.trcccompanies.com

The screenshot displays the JETSI website with a dark blue header. The main content area features a large image of two electric trucks (one blue, one white) and a text block titled "Joint Electric Truck Scaling Initiative (JETSI)". Below this is a "Project News & Resources" section with a large image of a green NFI truck and a sidebar with a "2 Year Milestone" badge and a "100 Battery-Electric Trucks" goal. The bottom section includes a "JETSI Project Overview" and three news stories with dates and titles.

Joint Electric Truck Scaling Initiative (JETSI)

The JETSI project is a landmark initiative that will deploy 100 Class 8 battery-electric trucks (BETs) across Southern California to demonstrate strategies to successfully scale market penetration of zero-emission technologies.

[Learn More >](#)

Project News & Resources

2 Year Milestone
100 Battery-Electric Trucks

Collateral:
JETSI Project Fact Sheet

Photo Gallery
JETSI Project Kicks Off in Southern CA

JETSI Project Overview
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Press Release 12/01/22
South Coast AQMD Leads North America's Largest Deployment of Class 8 Battery-Electric Trucks
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News Story 12/01/22
What Does it Take to Charge 100 Battery-Electric Trucks?
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News Story 12/01/22
JETSI Project Partners Collaborate on Design of Charging Infrastructure
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[More News >](#)



Alternative Fuel Workforce Initiatives

**Jared Wright, Principal Air Quality Planner
North Central Texas Council of Governments
(NCTCOG)**

July 16, 2026

About Us

Regional Planning
Agency



Metropolitan
Planning
Organization (MPO)
Transportation
Policy
Department of
Energy-Designated
Clean Cities Coalition

Sister Coalitions in Texas:

Alamo Area Clean Cities (San Antonio)

Central Texas Clean Cities (Austin)

Houston-Galveston Clean Cities

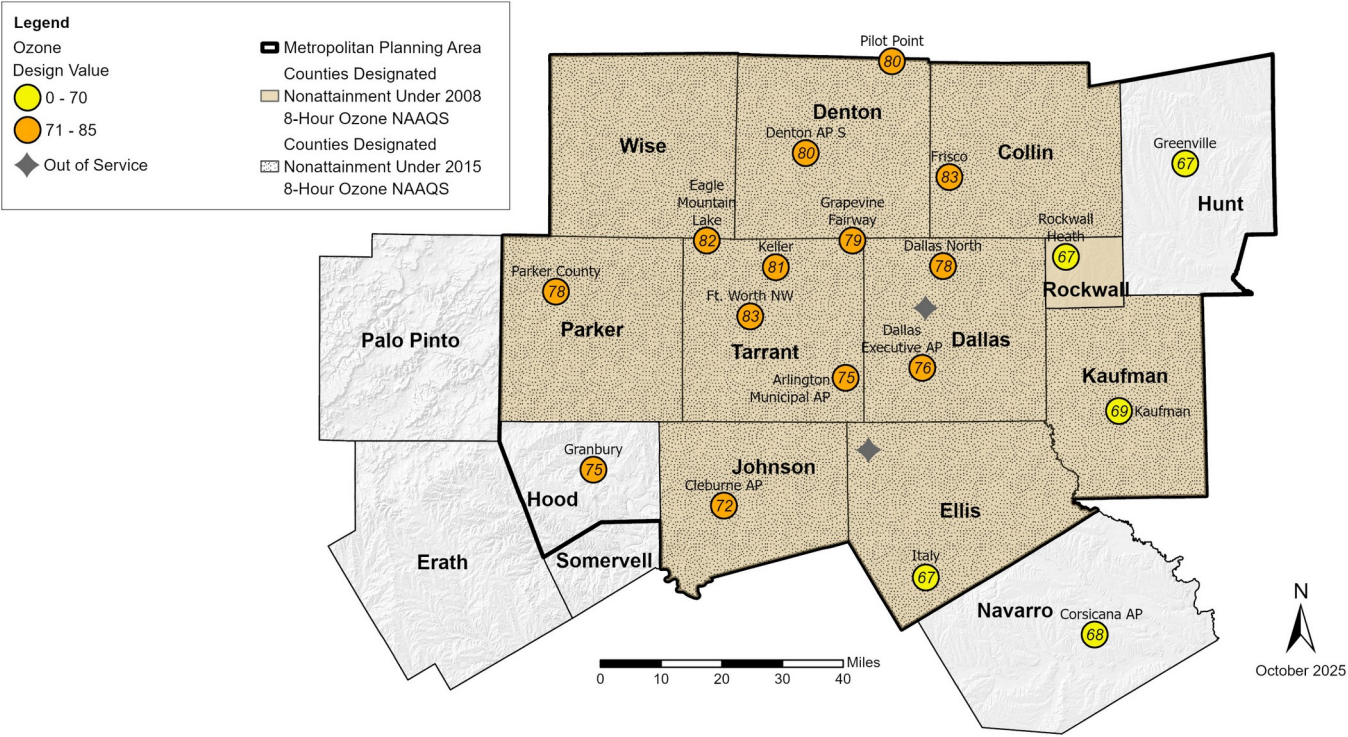
Apprentice Coalition: South Texas Clean Cities (Rio

Grande Region)

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North Central Texas Council of Governments (NCTCOG) Region and Ozone Nonattainment Areas



Source:
NCTCOG

Dallas Fort-Worth Clean Cities (DFWCC)

DFWCC Mission - Improve air quality by promoting clean, reliable, accessible, and sustainable transportation technologies

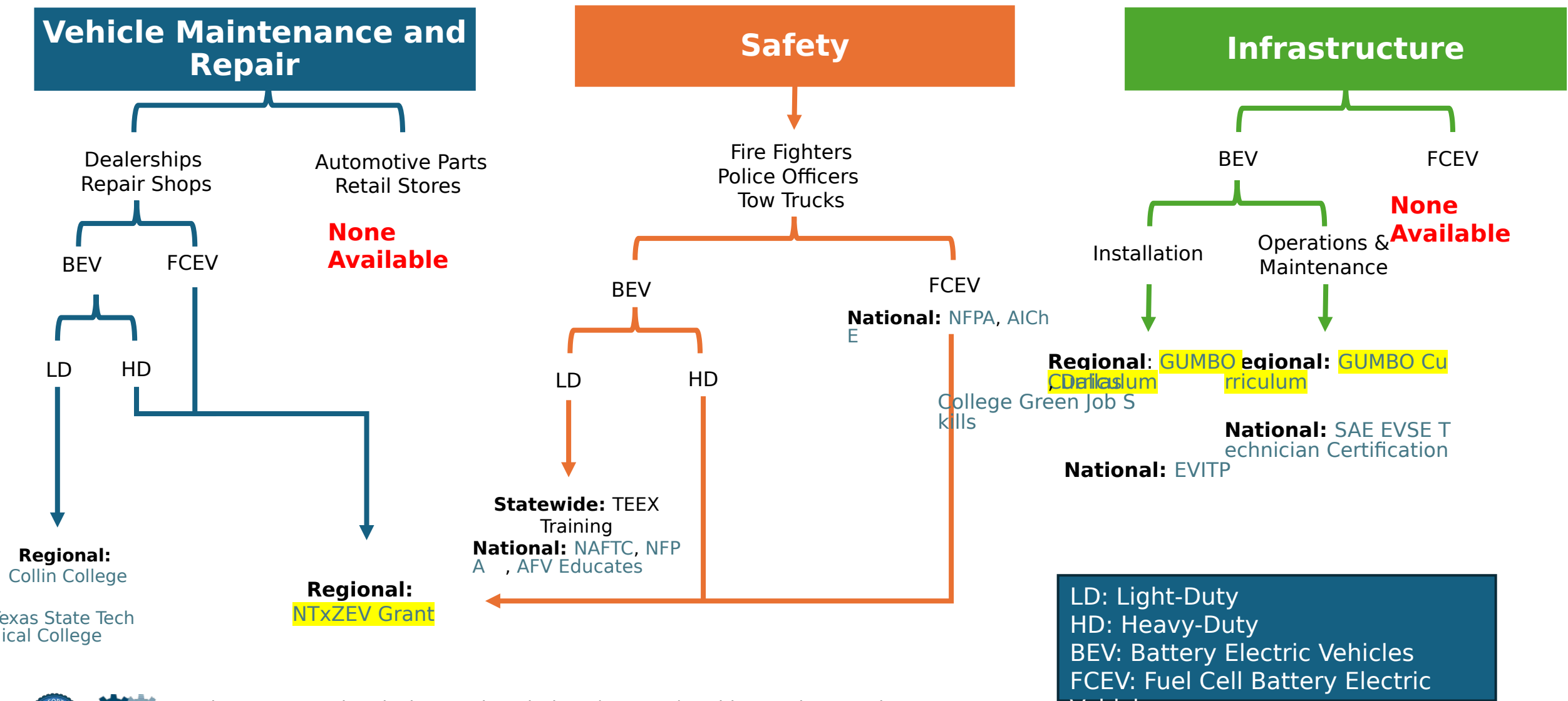
- Increase efficiency and reduce emissions from transportation
- Partner with public and private fleets
- Team structure:
 - Fleet/driver guidance and planning
 - Infrastructure planning and readiness
 - Energy integration

Fleet Support - Enable more efficient, greener fleets

- Match vehicles & equipment to funding
- Train on tools and resources
- Plan for fleet transition – detailed recommendations



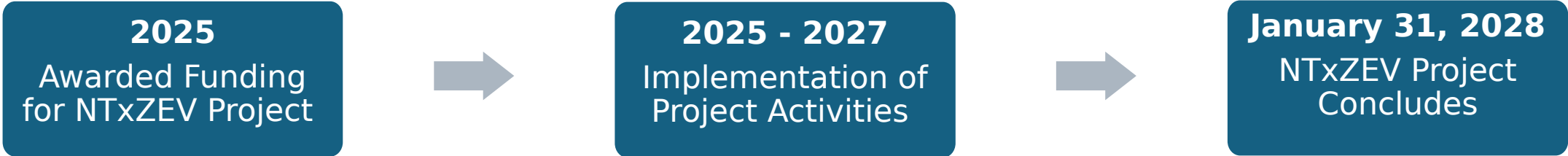
NCTCOG Zero Emission Vehicle Training Efforts





North Texas Zero Emissions Vehicles (NTxZEV)

North Texas Zero Emissions Vehicles Project (NTxZEV Project)



NCTCOG Project Activity	Status	Target Audience	Funding
Rebates for zero emission vehicles (ZEV) & supporting infrastructure	Call for Projects Open: www.nctcog.org/NTxZEV Next deadline is Friday, July 19, 2026, 5:00 PM CT. Subsequent deadlines will continue every 3rd Friday of the month until funds are exhausted.	Public and Private Fleets	\$58.6 million
ZEV Training Facilitate training sessions regarding heavy-duty ZEV to teach emergency response mitigation tactics	In the process of securing trainer(s)	First responders, public safety stakeholders, post-incident responders, fleet staff	~\$50k
Workforce Development Activities Provide funding to address key workforce needs.  Saving Money and Reducing Truck Emissions (SMARTER) Webinar: Drivers and Techs: Preparing the Workforce for the Electric Vehicle Transition	Meeting with regional industry partners and education partners to provide input on key priorities to build workforce programs.	Current or Future ZEV Training Providers	\$1.35 million

North Texas Zero Emissions Vehicles Call for Projects

Rebates to Replace Class 6 or Class 7 “vocational vehicles” with zero-emissions trucks

Both battery electric and hydrogen fuel cell electric trucks eligible

Funding ranges from 33% to 80%

Can fund supporting charging/fueling infrastructure if needed

Both public and private sector fleets eligible

Example “vocational vehicles” include:



Transit Bus



Refuse Hauler



Other Vocational Vehicles*



Photo Credit: NCTCOG/Trinity

Saving Money and Reducing Truck Emissions (SMARTE) Webinar- Drivers and Techs: Preparing the Workforce for the Electric Vehicle Transition

*School bus eligible only if NOT operated as a typical school bus as defined in Guidelines Appendix A



North Texas Zero Emissions Vehicles Call for Projects

Next application deadline: Friday, July 17 at 5 pm

Subsequent application deadlines: 3rd Friday of every month at 5 pm, until funds are exhausted

No-Cost Applicant Resources

- Weekly Office Hours on Mondays at 10:00am
- Technical assistance from the National Lab of the Rockies
 - Resources to help identify vendors/vehicles
 - Call for Projects Workshop Recordings
 - ZEV Workshop Materials

Details at www.nctcog.org/NTxZEV

Spread the word! Share information at meetings, newsletters, chambers, etc.

Staff available to support local events/outlets

Contact cleancities@nctcog.org



Saving Money and Reducing Truck Emissions (SMARTE) Webinar- Drivers and Techs: Preparing the Workforce for the Electric Vehicle Transition

North Texas Zero Emission Vehicle (NTxZEV) Workforce Development Task Force

We're requesting regional experts to help create a workforce development plan to facilitate the successful adoption of zero-emission vehicles in our region

Goals:

- Identify regional roadblocks to ZEV adoption
- Analyze labor needs
- Identify priority investments to address training gaps

Expectations:

- Provide expertise and insight
- Attend periodic meetings
- Promote and distribute workforce materials

Learn more at www.dfwcleancities.org/activities/ntxzev.



Industry Sector Partnership Process

Kickoff - Industry Lead (June 3)

- Employers identified a lack of skilled technicians, industry-education misalignment and equipment/infrastructure gaps as the main challenges

Education Reconvened (June 17)

- Education partners identified an uncertain workforce pipeline, lack of standardized nomenclature/skillsets, and equipment/resource gaps as the main challenges

Next Steps to ZEV Workforce Development Plan Creation

- Additional discussions with education partners not already represented
- Circle back with both industry and education partners in July

Education Partners' Requests for Funding

Letters of Support Submitted in 2024 as part of NTxZEV Project Application included:

- Curriculum development
- Instructional materials
- Training equipment
- Student scholarships
- Certification development
- Books
- Other tools

Equipment Requests	Estimated Cost
Vehicle Lift	\$60k
Level 3 Charger	\$50-150k
EV Simulation Trainer	\$60k
Battery Fire Extinguishing System Nozzle	\$40k
EV Technician Student Scholarships	\$3-5k per student

NTxZEV Workforce Feedback

1. What is the biggest workforce challenge your organization faces related to the ZEV transition?
2. How prepared is your organization to support ZEV workforce needs?
3. What barriers make it difficult for your organization to collaborate with partners?
4. What type of partnership is needed to move this work forward?
5. What support would help your institution take action?

Reach out to cleancities@nctcog.org to submit



**GUMB
O**



**ELECTRIC VEHICLE
CHARGING ONLY**



**ELECTRIC VEHICLE
CHARGING ONLY**

GUMBO Overview

Workforce development program that offers curriculum to higher education institutions and workforce development programs to train a workforce to maintain and repair electric vehicle supply equipment (EVSE)

- Curriculum:
 - Developed by Cerritos College and ChargerHelp!
 - Preparatory course for the SAE International EVSE Technician Certification Exam
 - Louisiana Clean Fuels partnered with Baton Rouge Community College to host pilot class
 - Now ready for adoption by higher education institutions
 - Operations and maintenance course
 - Installation course (under development)



Curriculum Topics

Electric Vehicles and Batteries

Electrical Energy

Fundamentals of Electrical Codes and Safety

Charging Stations and EVSE

Preventative Maintenance

Corrective Maintenance

EVSE Commissioning

Industry Standards



DFW Clean Cities Role

Activities:

- Connect with community-based organizations that can recruit students
- Assist community colleges and workforce development programs:
 - As they implement the curriculum
 - Through ongoing coordinative assistance post-implementation
- Connect graduates of the program with employment opportunities

Deliverables:

- Achieve at least one pledge from a community college/workforce development program to commit to introducing this curriculum at their school
- Achieve at least four pledges from local stakeholders that support the program
 - Stakeholders: community-based organizations, local organizations, EVSE companies, utilities, cities, etc.



Transportation Contacts



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Saving Money and Reducing Truck Emissions (SMARTE) Webinar Drivers and Techs: Preparing the Workforce for the Electric Vehicle Transition

Next SMARTE Webinar Session:

Sustainability Metrics and Reporting:
Best Practices for Fleets

Wednesday, 9/16/26, 1 p.m. CT

Presenters: TBD

Register here in Microsoft Forms: <https://forms.microsoft.com/r/vpr8JmvkPV>

SMARTE Webinar Series: Drivers and Techs: Preparing
the Workforce for the Electric Vehicle Transition



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Contact Us



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