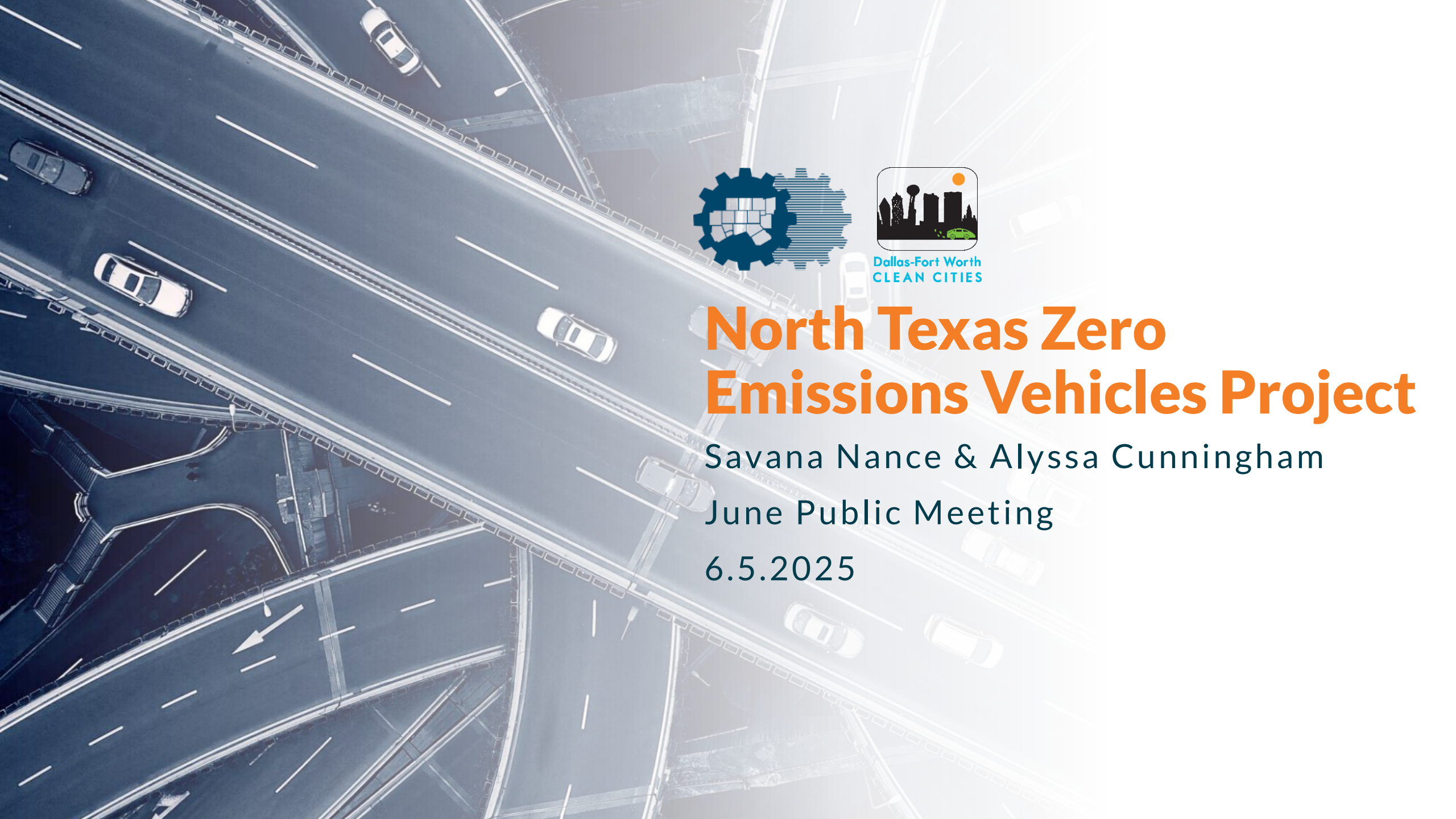


Dallas-Fort Worth
CLEAN CITIES

North Texas Zero Emissions Vehicles Project

Savana Nance & Alyssa Cunningham

June Public Meeting

6.5.2025

Environmental Protection Agency Clean Heavy-Duty Vehicles Program

Inflation Reduction Act provided $1 billion through the Environmental Protection Agency's (EPA) Clean Heavy-Duty Vehicles (CHDV) grant program to fund:

- Heavy-duty zero-emission vehicles (ZEV)
- ZEV infrastructure
- ZEV Workforce development and training
- Project implementation costs

North Central Texas Council of Governments (NCTCOG) Clean Heavy-Duty Vehicles Project Scope

Activity	Federal Funding
Zero Emission Vehicles & Supporting Infrastructure	$58.6 million
Workforce Development Activities	$1.4 million
Total Federal Funding Awarded to NCTCOG:	**$60 million**

North Texas Zero Emission Vehicle (NTx-ZEV) Project

Go to www.nctcog.org/NTxZEV for more information

	Vehicle & Infrastructure
Eligible Projects	Replacement of a non-zero-emission Class 6 or 7 working vehicle with a zero-emission (battery-electric or hydrogen fuel cell) Class 6 or 7 **working** vehicle. Purchase and installation of associated zero-emission fueling infrastructure.
Eligible Applicants	Public and private entities eligible*
Project Selection	Call for Projects – **Expected to open Summer 2025** Priority given to operations in 10 county ozone nonattainment area**
Funding Levels	Maximum federal share allowed by EPA Battery-Electric Vehicle: **33% to 65% per vehicle** Hydrogen Fuel Cell Vehicle: **60% to 80% per vehicle**
	Workforce Development
Projects	First Responder Training, Mechanic training for vehicles & infrastructure, and driver training

*Must adopt Clean Fleet Policy
**Collin, Dallas, Denton, Ellis, Johnson, Kaufman, Parker, Rockwall, Tarrant, and Wise

Program Benefits

Heavy-duty diesel vehicles have disproportional impact on air quality

Opportunity to replace wide-variety of fuel types

Funding for infrastructure, and renewable on-site power generation systems

Enables private sector participation

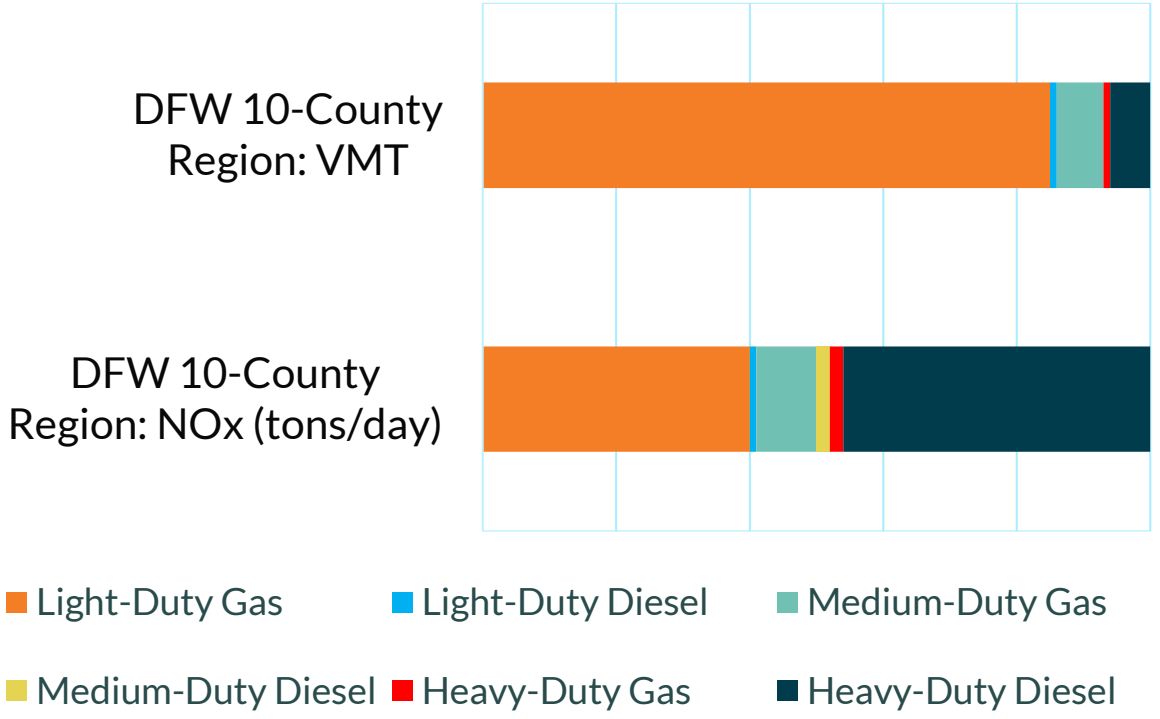
Allows for ZEV pilot projects

Flexible scrappage alternatives

Complements other regional planning/deployment

Current Ozone design value of 79 ppb continues to exceed the EPA standard

Vehicle Miles Traveled Versus Nitrogen Oxides Contribution by On-Road Vehicle Type in Dallas-Fort Worth



Status of HD ZEV Adoption in Texas

Deployments of Medium and Heavy- Duty ZEV in Texas

Class 2B–6 EV: 19,991
Class 7-8 EV: 188*

Source: City of Plano

Battery- Electric Fire Truck: City of Denton and Dallas-Fort Worth International Airport

Battery- Electric Semi: Truck Kings LLC

Battery-Electric Drayage: Lazer Logistics and Bimbo Bakeries

Battery- Electric Refuse Trucks: City of Plano and Dallas

First Hydrogen Fuel Cell Electric Trucks: Awarded to Simoneta Ltd.

*Data Source: EVs in Texas | DFWCC

North Texas Zero Emissions Vehicle Project

Available Zero-Emission Vehicles

Source: NCTCOG Staff

Available Battery-Electric HD Vehicles

- 15 Original Equipment Manufacturers (OEM) Providing School Bus, Box Truck, Step Van, Bucket Truck, Refuse Truck, Street Sweeper, Transit Bus

Available Hydrogen HD Vehicles

- 8 OEMs Providing Street Sweeper, Transit Bus, Step Van, Tractor-Trailer

3-part HD ZEV Webinars recording available at **www.dfwcleancities.org/events**

For information on available ZEVs and resources to help deployment visit: **www.afdc.energy.gov**

ZEV Infrastructure in Texas

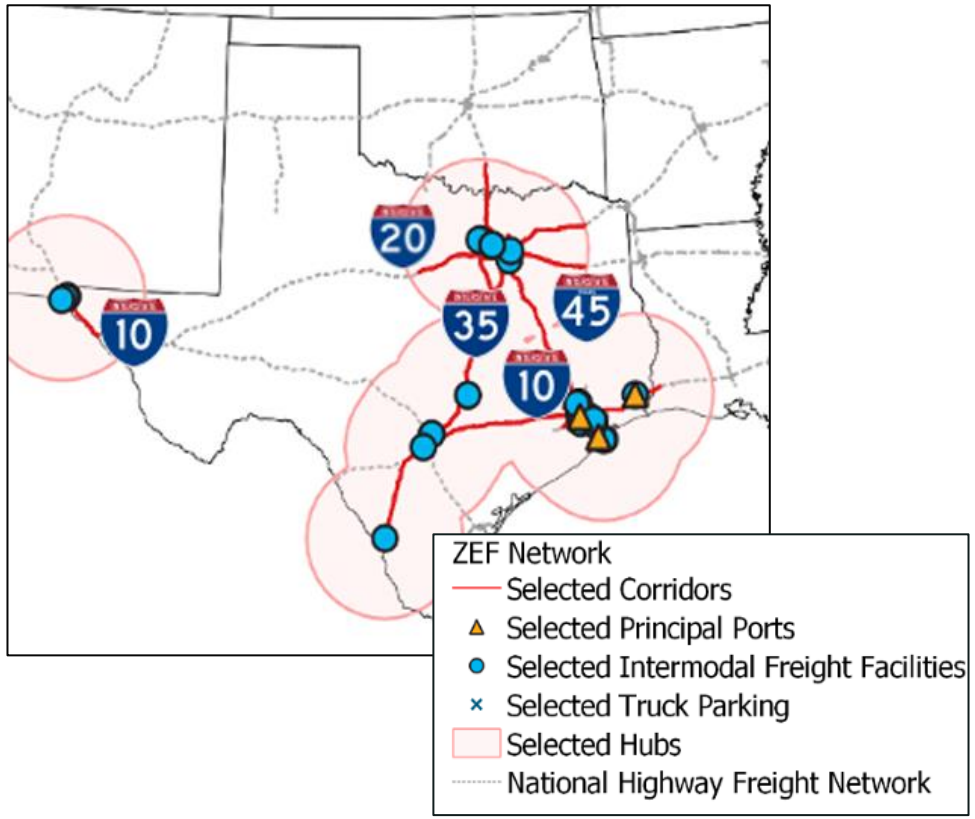
Planning for ZEV Infrastructure:

- Houston to Los Angeles Interstate-10 Hydrogen Corridor Project:
  Flexible and scalable blueprint for freight network
- Interstate Highway-45 ZEV Plan:
  Facilitate battery-electric and hydrogen freight travel between Dallas and Houston
- Texas Department of Transportation's Rider 48 Report:
  Evaluate Battery Electric Medium- and Heavy-Duty Vehicle Charging Infrastructure and Capacity

Deploying ZEV Infrastructure:

- $70M to NCTCOG for 5 Hydrogen Stations
- $150M to Port Houston for ZEV Projects
- $1.2B to GTI Energy for Clean Hydrogen Hub
- $105M to Port of Corpus Christi for ZEV Projects

Texas Critical Freight Corridors Identified from Phase 1 of National Zero-Emission Freight Corridor Strategy



Source: National Zero-Emission Freight Corridor Strategy zef-corridor-strategy.pdf

Schedule

Milestone	Date
Submitted Application	July 2024
Received Award Notification from EPA	January 2025
Developing Call For Projects (CFP)	Spring 2025
Request EPA Approval of CFP documents	Summer 2025
NCTCOG Committee Approval of CFP	Summer/Fall 2025
Opening Call CFP	Summer/Fall 2025
Awarding CFP	Winter 2025, recurring basis until all funds are awarded

North Texas Zero Emission Vehicle Project Information and Procurement/Contracting/Partnering Opportunities: www.nctcog.org/NTxZEV

ZEV Information/Funding Opportunities: www.nctcog.org/stay-informed - ***Dallas-Fort Worth Clean Cities and Air Quality Funding Update***

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Clean Heavy-Duty Vehicles Per Vehicle Funding Cap

EPA will fund cost share percentage of the new vehicle, up to the per-vehicle funding cap

Project implementation costs are not included or subject to the per-vehicle caps listed on the table

- Ex: Personnel/benefits, contractual services, consulting on vehicle deployments, travel, supplies, etc.

Vehicle Type	Battery-Electric Vehicles (BEVs)		Hydrogen Fuel Cell Vehicles (FCEVs)	
	EPA Cost Share Percentage of New Vehicle Price	Per-Vehicle Funding Cap (Vehicle + Infrastructure)	EPA Cost Share Percentage of New Vehicle Price	Per-Vehicle Funding Cap (Vehicle + Infrastructure)
School Bus	75%	$280,000*	N/A	N/A
Straight/Box Truck	65%	$190,000	80%	$400,000
Step Van		$160,000		$340,000
Septic/Bucket Truck		$330,000		$670,000
Other		$355,000		$720,000
Refuse Hauler	50%	$260,000	70%	$600,000
Street Sweeper		$315,000		$720,000
Transit Bus	33%	$265,000	60%	$780,000

* ADA-compliant school buses are eligible for an additional $20,000 per-vehicle funding cap