



North Central Texas
Council of Governments



DFW Clean Cities Coalition: Stakeholder Orientation

Lori Clark

Senior Program Manager & DFW Clean Cities Director

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Virtual Meeting

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Agenda

- Introductions – Who do you represent and what is your knowledge of/engagement with Clean Cities and Communities Coalitions overall?
- Department of Energy Clean Cities and Communities Partnership
- DFW Clean Cities Coalition and NCTCOG
- DFW Clean Cities Coalition Activities and Stakeholder Engagement

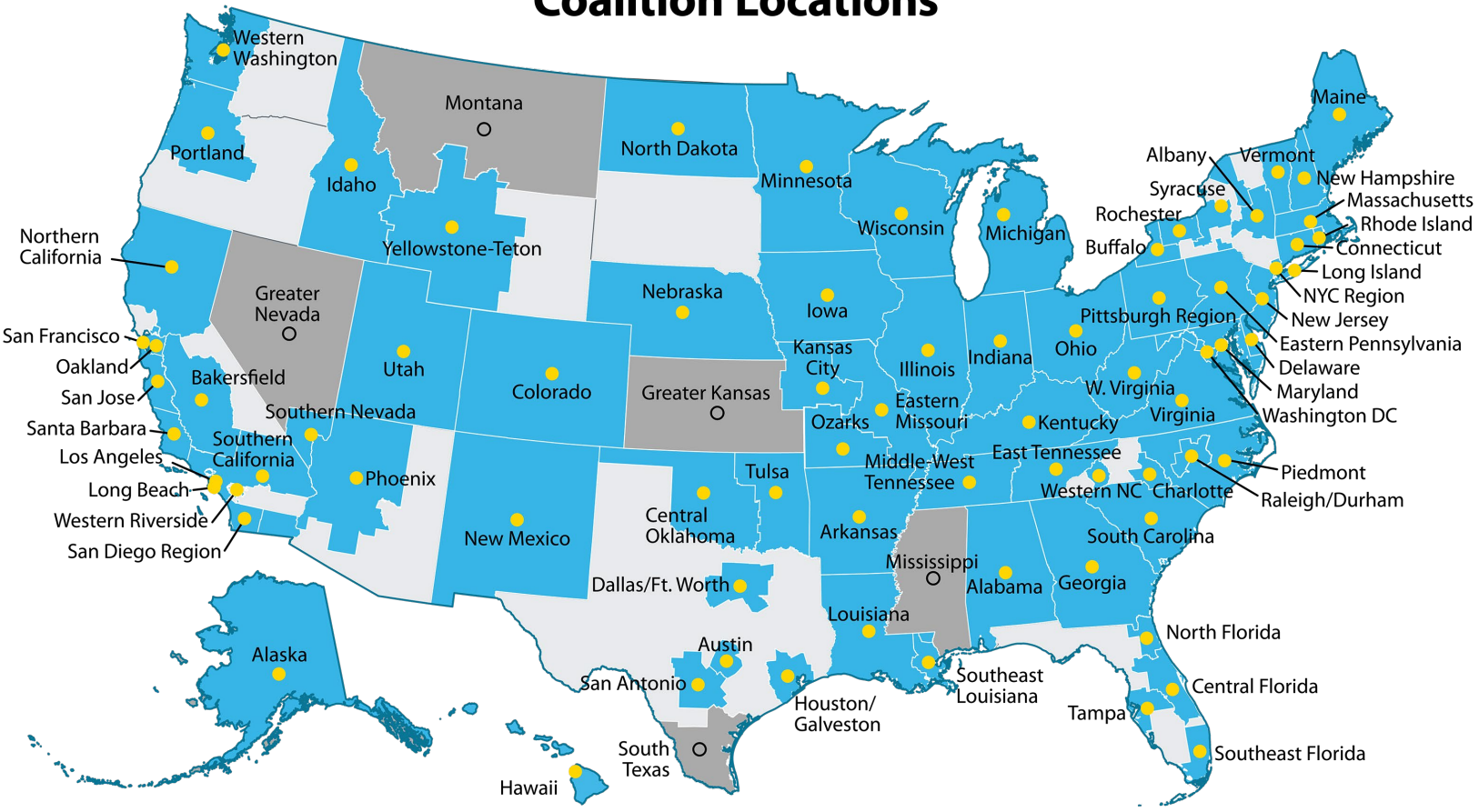


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Department of Energy Clean Cities and Communities Partnership

Clean Cities and Communities

Coalition Locations



A U.S. Department of Energy (DOE) partnership to advance clean transportation nationwide

More than 75 DOE-designated Clean Cities and Communities coalitions work locally in urban, suburban, and rural communities to strengthen the nation’s environment, energy security, and economic prosperity.



■ DOE-Designated Coalitions ■ DOE-Recognized Apprentice Coalitions Map Date: 6/16/26



Clean Cities and Communities Mission

Clean Cities and Communities advances the nation's environment, energy security and economic prosperity through collaboration with communities by building partnerships with public and private stakeholders that create equitable deployment of clean transportation solutions for all.

CC&C Partnership Includes:

Transportation Technologies Office (TTO) Technology Integration Staff
DOE-Designated Clean Cities and Communities Coalitions
Regional Managers (*National Energy Technology Lab*)
National Laboratories (*National Renewable Energy Lab, Argonne National Lab, Oak Ridge National Lab*)
Supporting Contractors



Clean Cities and Communities

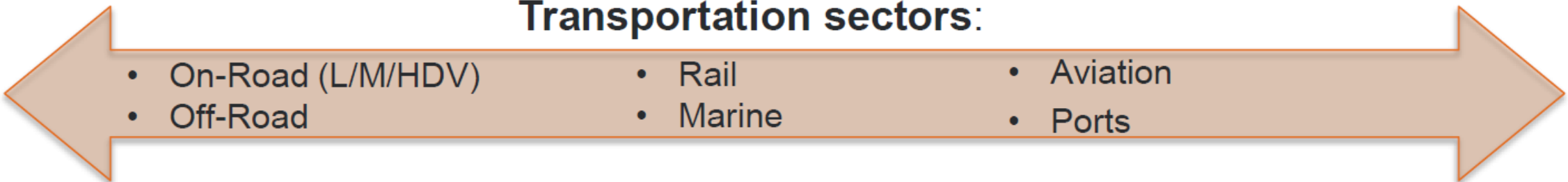


Portfolio of Sustainable Technologies and Fuels

Clean Cities and Communities activities span the VTO Technology Integration (TI)
Portfolio of Sustainable Technologies and Fuels

- **Alternative and Renewable Fuels (Vehicles and Infrastructure)**
 - Biodiesel (B20 and higher)
 - Electricity
 - Ethanol (E85)
 - Hydrogen
 - Natural gas/Renewable Natural Gas
 - Propane/Renewable Propane
 - Renewable Diesel
 - Sustainable Aviation Fuels (SAF)
- **Fuel Economy Improvements**
- **Idle Reduction**
- **Efficient Transportation Solutions**
 - Reducing Vehicle Miles Traveled (e.g., encouraging mass transit use, trip elimination, eco-routing)
 - First Mile/Last Mile
 - Electric Micromobility (e.g., e-bikes, e-scooters)
 - Modal Shift (e.g., freight, passengers)

Transportation sectors:

- 
- On-Road (L/M/HDV)
 - Off-Road
 - Rail
 - Marine
 - Aviation
 - Ports

Strategically Advance Clean Transportation

Access technical assistance and hands-on problem-solving support



Connect to unbiased, data-driven tools and resources



Build partnerships



Receive personalized experience rooted in local context



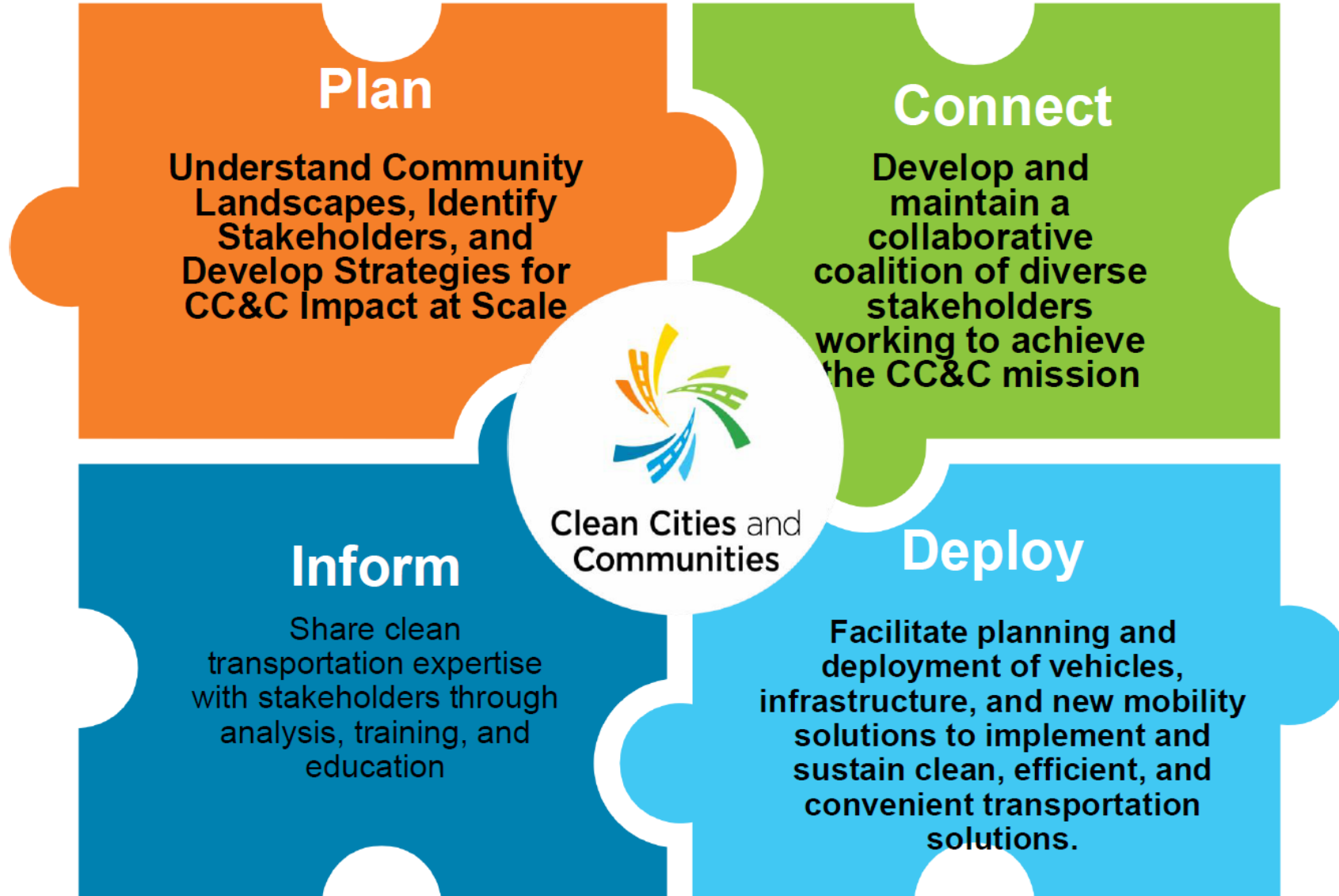
Collaborate on funding opportunities

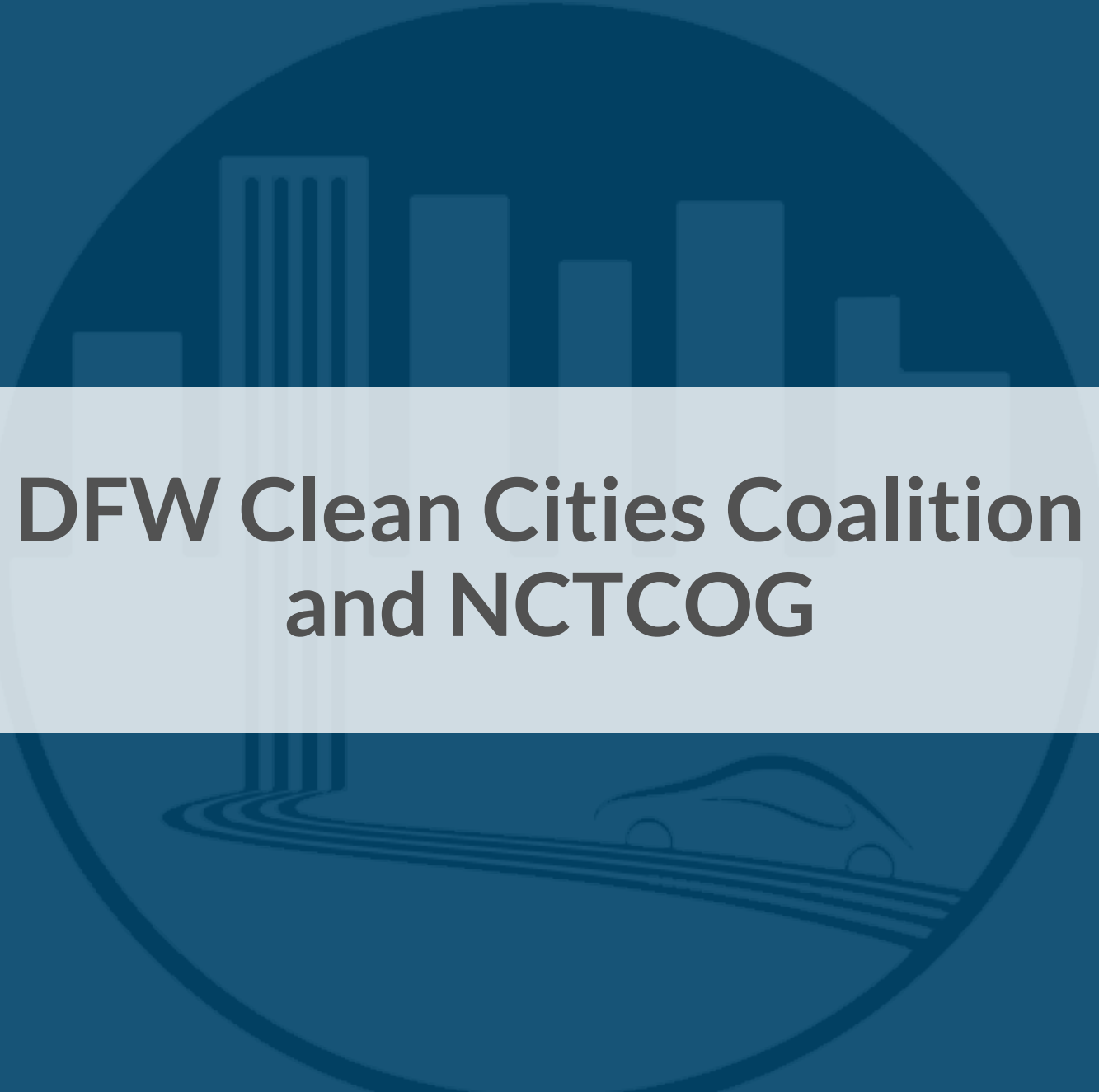


1.6 million alternative fuel vehicles on the road
72 million tons of emissions prevented
Energy use impact of 14 billion gasoline gallon equivalents
Nearly 20,000 public and private stakeholders.

30+ Years of Transforming Transportation

Framework for Success





DFW Clean Cities Coalition and NCTCOG

Host Agency-Coalition Relationship

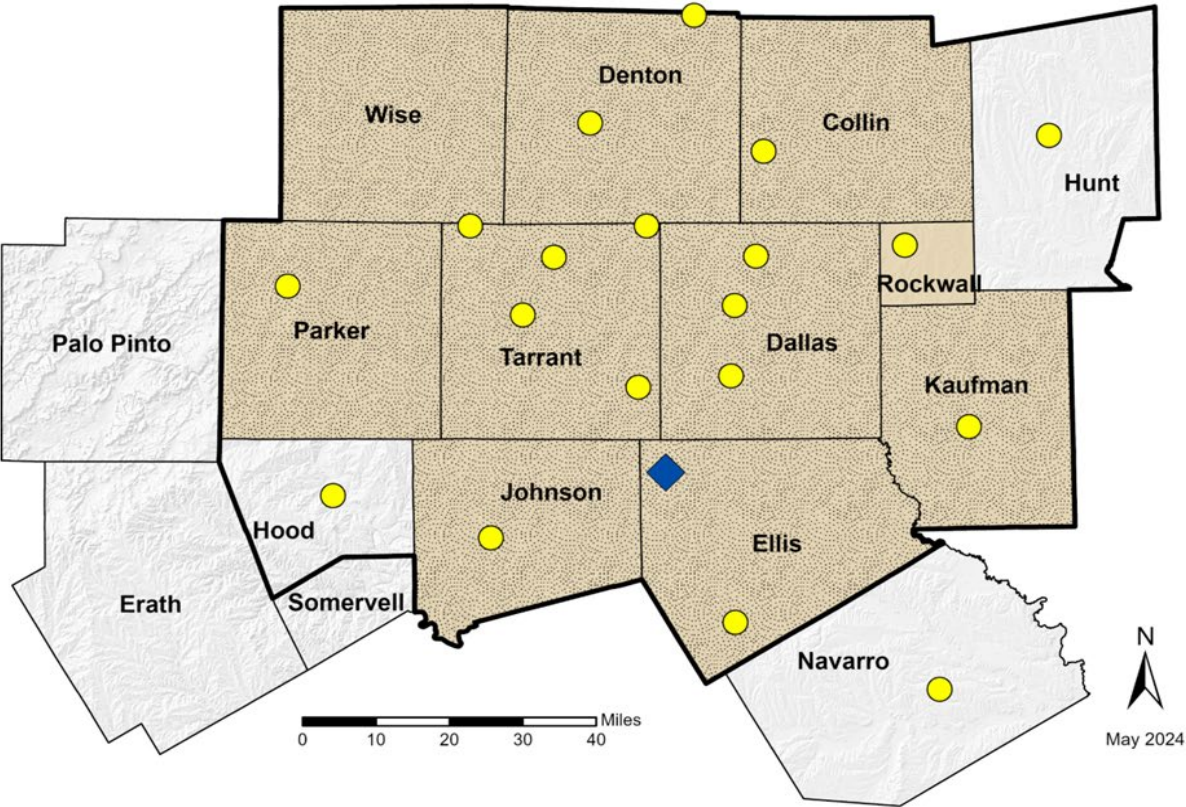
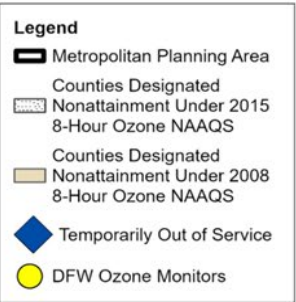
Regional Planning Agency
Coalition Host Agency



Metropolitan Planning
Organization (MPO)
Coalition Funding Support



Department of Energy-
Designated Clean Cities and
Communities Coalition
Established 1995
Most Recent Redesignation 2024



North Central Texas Council of Governments (NCTCOG)

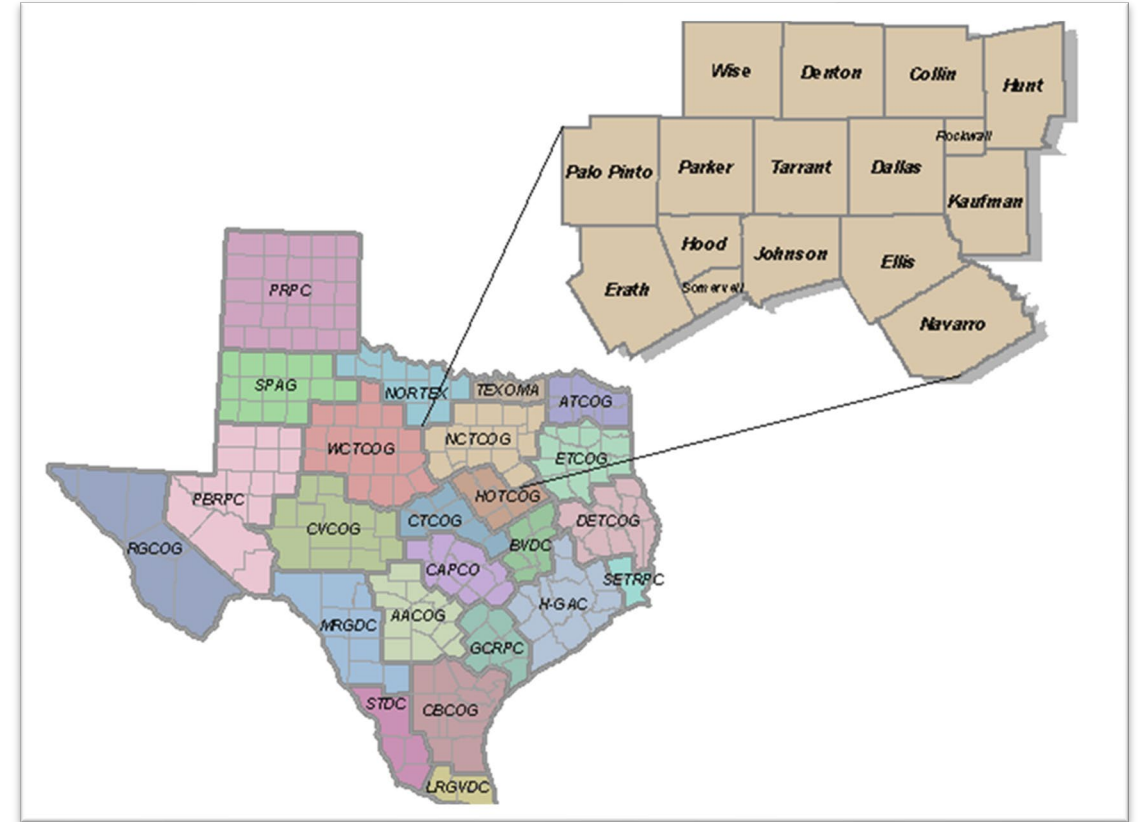
A voluntary association of local governments established in 1966

228 member governments, including:

- 16 counties
- 169 cities
- 19 school districts
- 24 special districts

NCTCOG Mission Statement:

We are an association of, for, and by local governments. We assist our members in planning for common needs, cooperating for mutual benefit, and recognizing regional opportunities for improving the quality of life in North Central Texas.

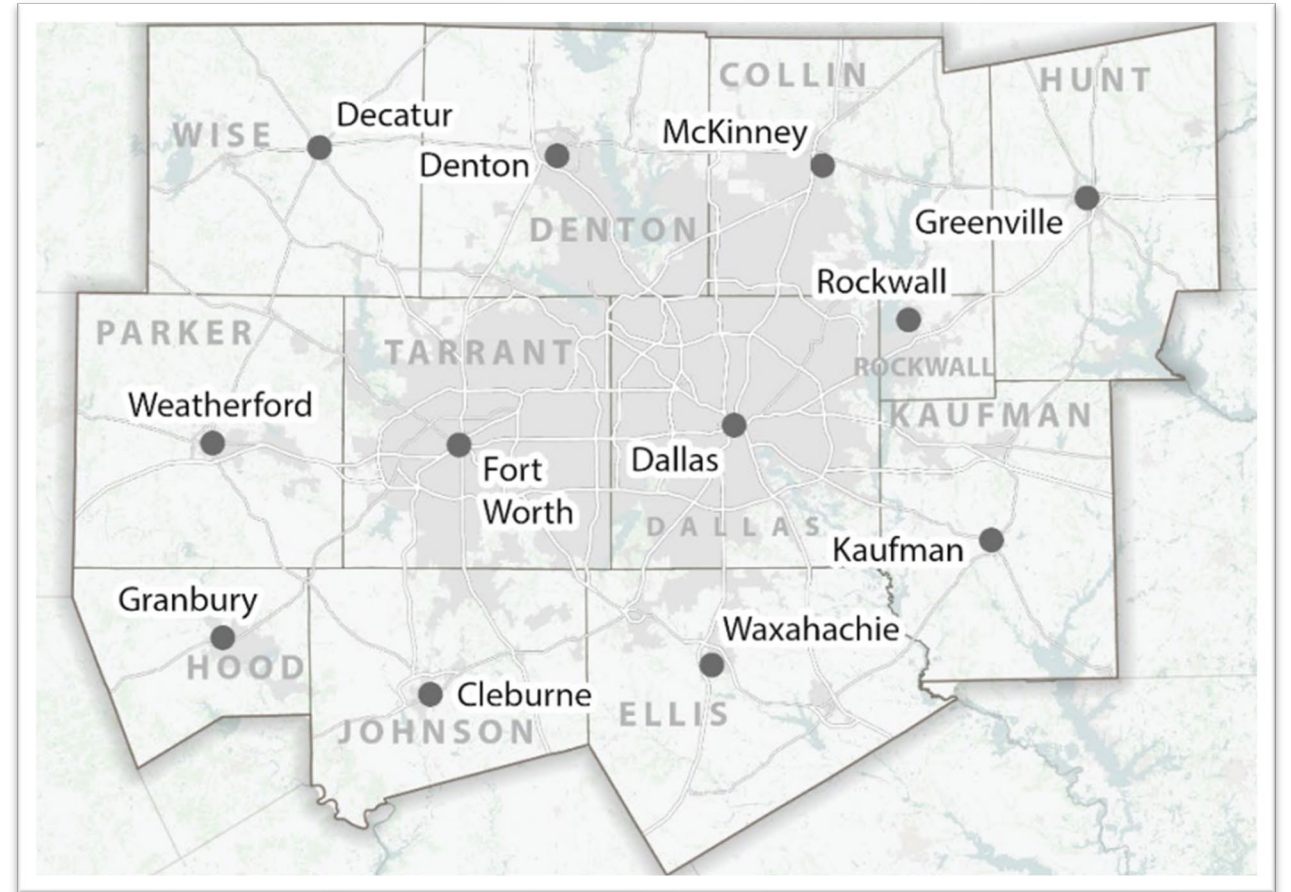


Metropolitan Planning Organization

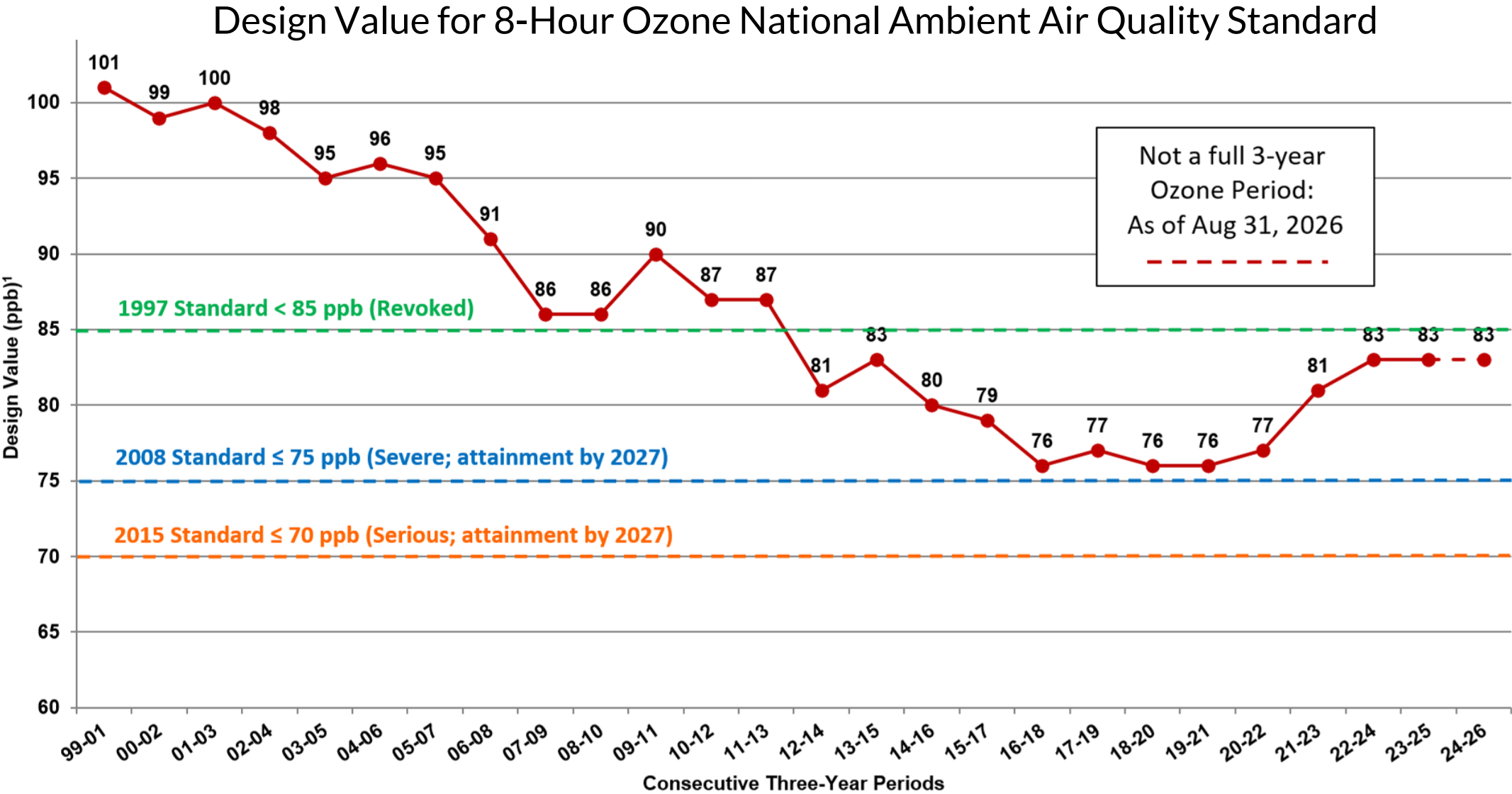
Regional Transportation Council (RTC), which is made up of 44 elected officials and representatives from local governments and local transportation providers

Federally required policymaking and planning body focused on transportation planning activities in a 12-county region

NCTCOG's Transportation Department provides staff assistance and support to the RTC to implement transportation projects



Key Motivator: Ozone Nonattainment Status



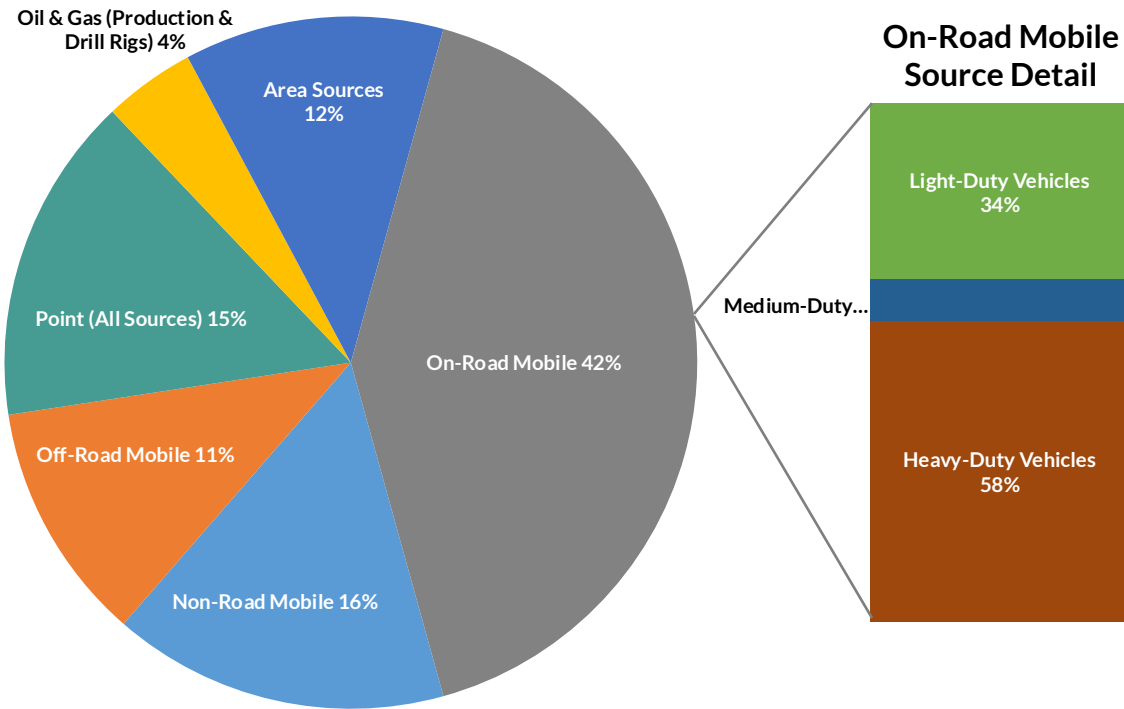
¹Attainment Goal - According to the US EPA National Ambient Air Quality Standards, attainment is reached when, at each monitor, the *Design Value* (three-year average of the annual fourth-highest daily maximum eight-hour average ozone concentration) is equal to or less than 70 parts per billion (ppb).

Source: TCEQ

Key Motivator: Comprehensive Air Quality Issues

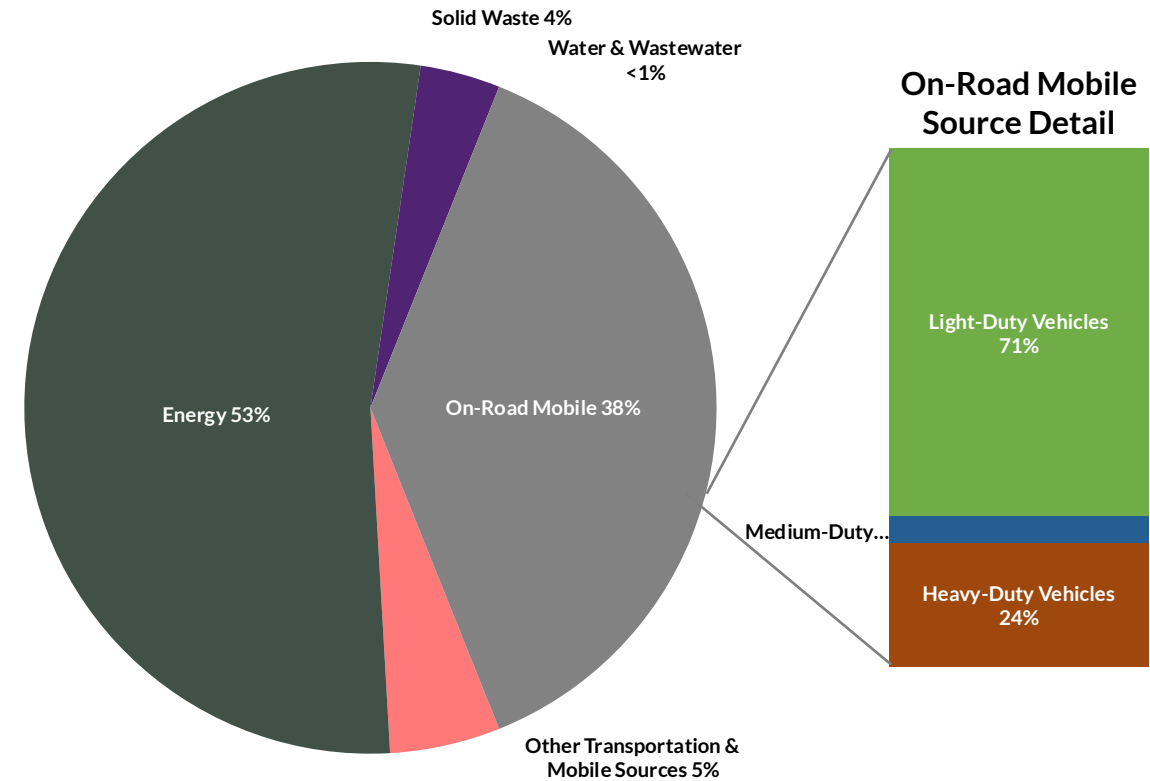
2019 Nitrogen Oxides (NO_x) Emissions Inventory 10-County DFW Ozone Nonattainment Area

Nitrogen Oxides (NO_x) = 247.02 **Tons per Day**



2019 Greenhouse Gas Emissions Inventory 12-County Metropolitan Planning Area

Carbon Dioxide Equivalent (CO₂e) = 103,014,917 **Metric Tons per Year**



Source: TCEQ, 2019 summer weekday anthropogenic emissions for the DFW 10 County Ozone Nonattainment Region, *Proposed DFW Moderate Attainment Demonstration (AD) State Implementation Plan (SIP) Revision for the 2015 Eight-Hour Ozone NAAQS*)

Source: NCTCOG, North Central Texas 12-County Metropolitan Planning Area 2019 Inventory of Community Greenhouse Gas Emissions

Note: The agricultural emissions, process & fugitive emissions were not part of this inventory



Coalition Staff



Coalition Director, 10 Full Time Staff, 2 Interns
2 Full Time Vacancies



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DFW Clean Cities Coalition (DFWCC) Activities and Stakeholder Engagement

DFWCC Strategic Plan

DFWCC Mission:

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

Success Metrics:

Energy Use Impact (Measured by Gasoline Gallon Equivalent Displaced)

Air Pollutants Reduced (GHGs, NO_x, fine particulates)

Number of alternative fuel facilities

Number of fleets using alternative fuels

People reached through outreach/education

Number of entities adopting key policies



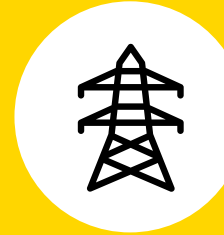
Vehicle Goals

- ✓ Facilitate alternative fuel adoption at 30 fleets
- ? Achieve at least 100 EV registrations per zip code
- ✓ Integrate EV technician training at community colleges



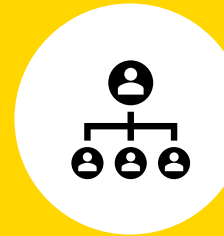
Infrastructure Goals

- ✓ Support 100 EV charger deployments
- ✓ Help scope 10 MHD fueling/charging projects
- Collaborate on 25 resilient EV chargers



Energy Goals

- ? Convert all public fleet CNG to RNG
- ✓ Reduce “soft costs” of infrastructure development
- ✓ Integrate EV charger training at community colleges



Organizational Goals

- ✓ Develop new mission and vision statements
- Transition all contacts to CRM
- ✓ Transition Coalition website

DFWCC Approach to CC&C Framework



Plan – Understand the transportation energy landscape to develop and evaluate strategies for impact at scale



Connect – Develop/maintain a collaborative coalition of public and private stakeholders working together

Organize Events (e.g. Roundtables, Site Visits, Webinars, Workshops, Ride-and-Drives)

Use Social Media and other means for ongoing engagement

Conduct DFW Clean Cities Recognition Program



Inform – Share transportation expertise through analysis, training, and education

Collect and Report on Local Market Data (Fleet adoption, retail fuel prices, station/vehicle costs, etc.)

Facilitate Peer Exchange and Sharing of Best Practices

Develop Local Resources

Encourage Expansion of Workforce Programming

Facilitate First Responder Training on ZEVs



Deploy – Facilitate planning and deployment of vehicles, infrastructure, and new mobility solutions

Evaluate Fleet Inventories and Develop Recommendations for Fleet Transition

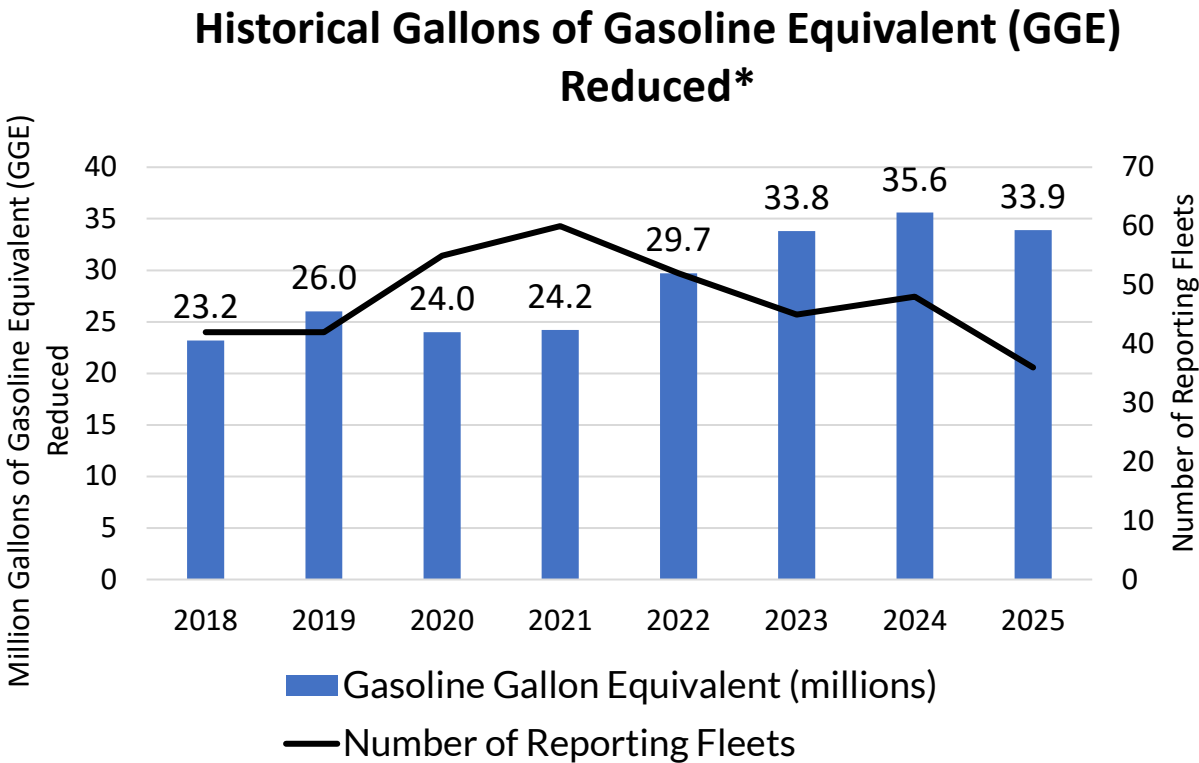
Develop Plans or Recommendations on Alternative Fueling Infrastructure

Promote and Facilitate Incentive Funding Applications

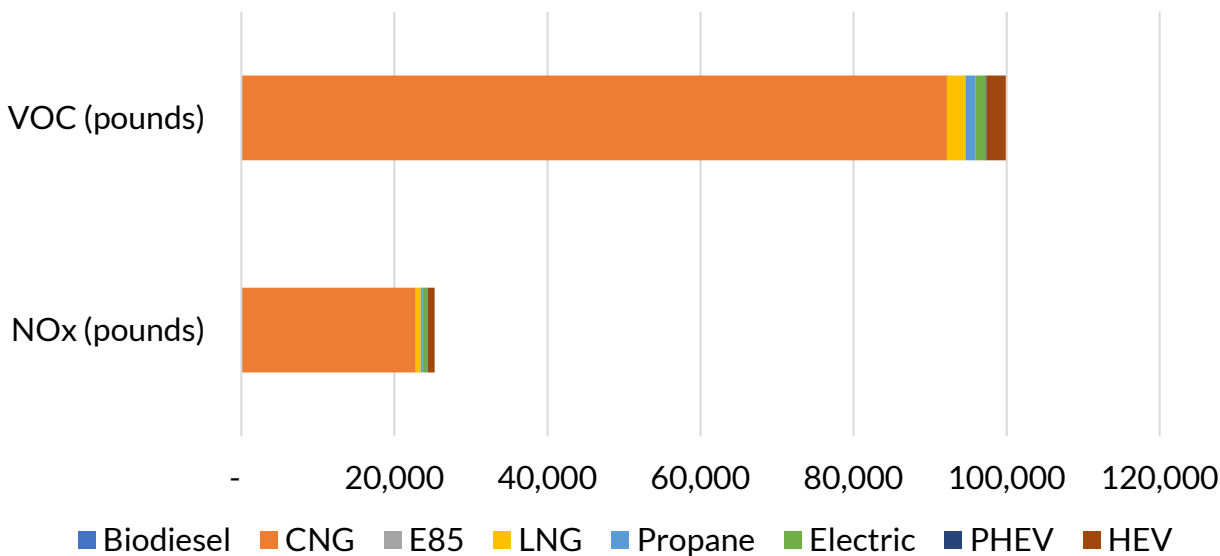
Provide Funding Support



Key Project: Annual Survey of Regional Fleets



Emissions Reductions of Ozone Precursors from Fleet Vehicles Reported to DFW Clean Cities Annual Survey, by Vehicle Fuel Type



Electrified Vehicles

Vehicle Type	# Fleets	# Vehicles
Electric	29	565
Plug-In Hybrid	7	62
Hybrid	26	965

Other Alternative Fuel Vehicles

Vehicle Type	# Fleets	# Vehicles
CNG	12	2,765
LNG	1	68
Propane	6	152
Biodiesel	2	384
E85 Ethanol	4	1,194



Key Project: Support to Texas EV Charging Plan

TxDOT Plan:

- Phase I: Chargers every 50 miles along interstates
- Phase II: Allocations to Each MPO + County Seats
 - \$60,000,000 for NCTCOG region

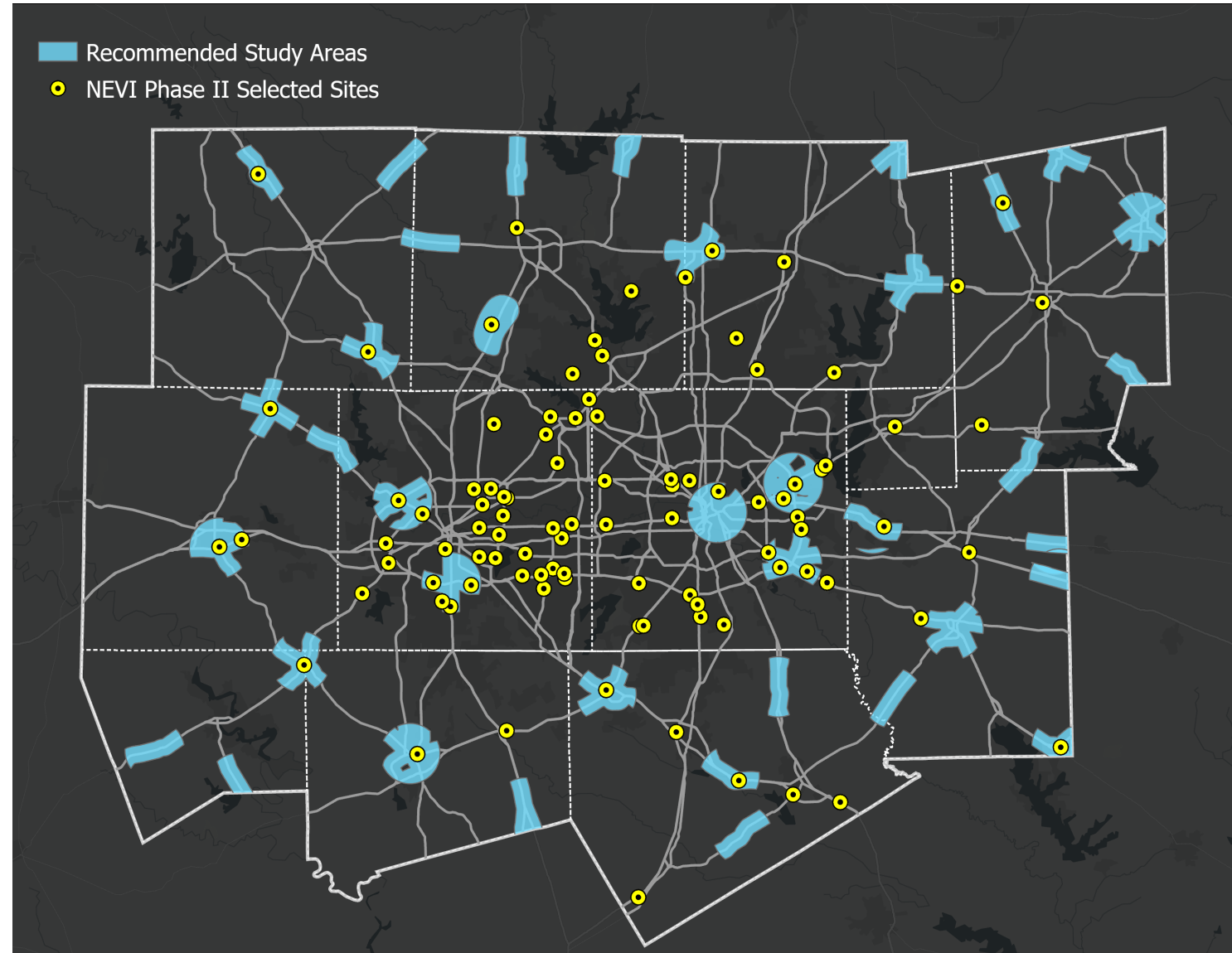
NCTCOG Proposal for Phase II:

- 38 DC fast charge study areas along major corridors
- 8 medium/heavy-duty study areas

Phase II Results:

- 97 locations totaling \$62M awarded to NCTCOG region
 - 19 of 38 study areas awarded
- All locations will have at least 4 DC Fast Charge (150kW+) ports

More information: [TxDOT's Texas Electric Vehicle Planning page](#)



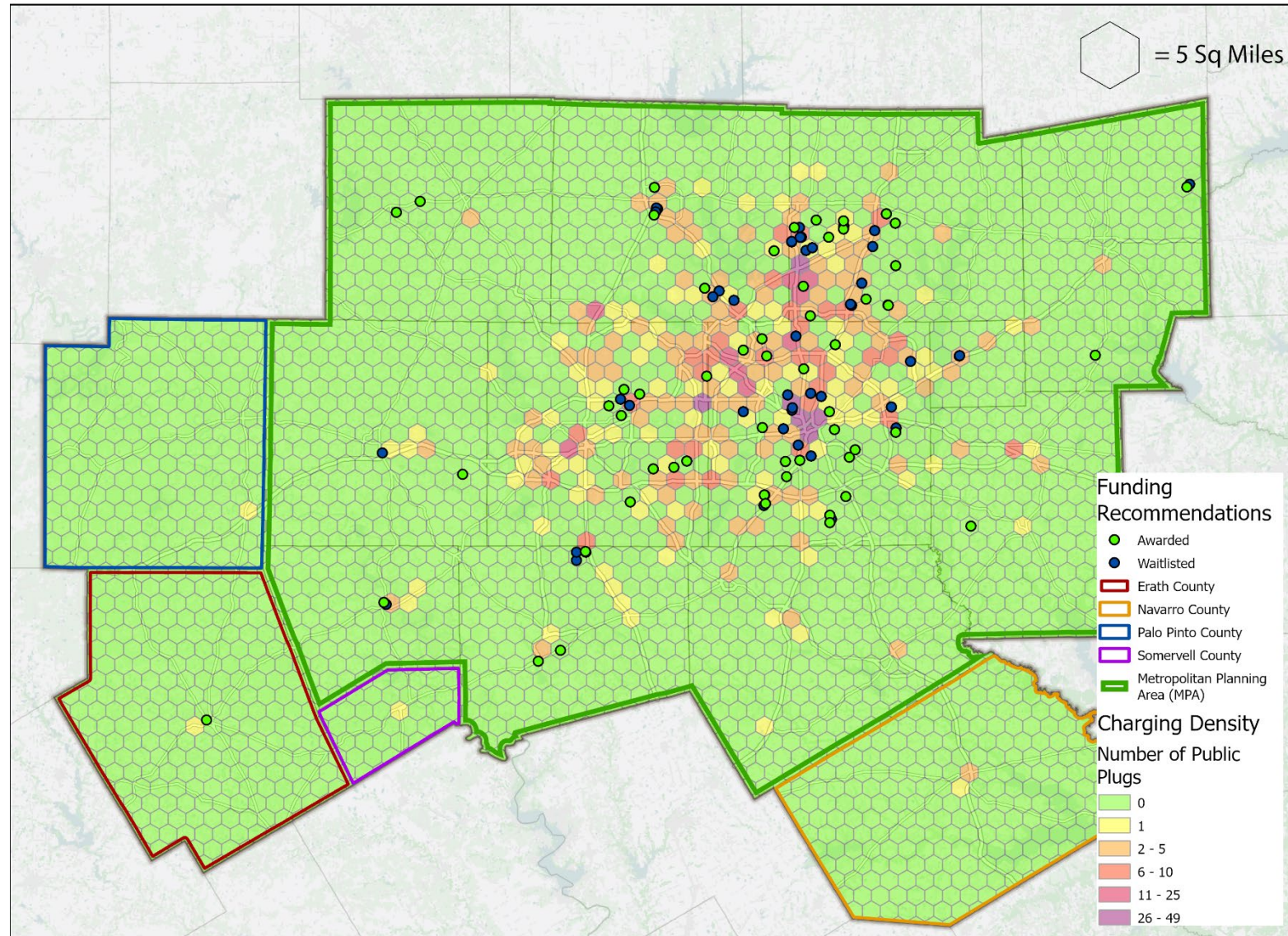
Key Project: North Texas EV Infrastructure Project

Award: \$15 million through the Federal Highway Administration Charging and Fueling Infrastructure Community Program

Purpose: Build ~100 EV charging ports on public property to fill gaps in the existing regional network and achieve equal access to charging stations across the region

Partners: Kimley-Horn and Associates, Inc., subrecipient public agencies, vendors teams TBD

Sites Awarded by RTC: 56 sites with 234 ports from 32 applicants; 46 sites on a wait-list



Key Project: North Texas Zero Emissions Vehicles

\$1.4 Million for Zero Emissions Vehicle First Responder Training and Workforce Development Investments

\$58.6 Million in Rebates to Replace Class 6 or Class 7 “vocational vehicles” with zero-emissions trucks

Includes both battery electric and hydrogen fuel cell electric trucks

Can fund supporting charging/fueling infrastructure if needed

Applies to both public and private sector fleets

Allows old trucks to be scrapped OR sold/donated depending on age and fuel type

Example “vocational vehicles” include:

Straight/Box Truck



Step Van



Septic/Bucket Truck



Street Sweeper



Transit Bus



Refuse Hauler



Other Vocational Vehicles*



Photo Credit: NCTCOG/Trinity Metro

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



Key Project: Resilient EV Charging in Texas

Goal: Ensure continuity of operations for EVs performing critical functions during grid outages

Deliverables:

1. **October 2026** - Draft North Texas Resilient Electric Vehicle (NTX-REV) plan for North Central Texas region
2. **October 2026 – January 2028** – Evaluation of strategies, technologies, & equipment via:
 - Tabletop Scenario
 - Technology Demonstration
3. **February 2028** - Final NTX-REV plan and share results

Get Involved:

Join Stakeholder group **by October 31** to provide input and participate in demonstration projects:

www.dfwcleancities.org/activities/planning-resilient-ev-charging



Stakeholder Engagement



Stakeholder Expectations

Stakeholders Should:

- Engage on LinkedIn!
- Actively educate the broader community about the Coalition's work
- Build capacity to increase impact
- Provide input and perspective to Coalition staff
- Attend and promote events and other Coalition activities

Stakeholders Should Not:

- Expect to receive business/contract opportunities based on DFW Clean Cities involvement
 - NCTCOG [Transportation Department Vendor Database](#)
 - NCTCOG central eProcurement via Bidnet; register at www.bidnetdirect.com/texas/nctcog
- Represent themselves as “members” or “partners”
 - Stakeholders, collaborators



Upcoming Events/Engagement Opportunities

- Resources for entities seeking to procure alternative fuel vehicles, infrastructure, equipment and related services - feedback needed!

<https://dfwcleancities.org/resources/alternative-fuels-vehicle-and-technologies-vendor-inventory>

- September 29, 11 am-12 pm: Electric School Bus Working Group
Virtual; will be recurring (limited to fleet operators with electric school buses)
- October 12, 11 am-12 pm: North Texas Resilient EV Charging Project Overview
Virtual
- October 14-15, 8:50 am-3:10 pm, North Texas Facilities Expo
In Person at Irving Convention Center
- October 26, 2-3:30 pm: DFW Clean Cities Technical Advisory Committee Meeting
In-person at NCTCOG Offices
- Access all events at www.dfwcleancities.org/events

To be Scheduled:

- Infrastructure Site Visit
- EV Infrastructure Educational Session
- First Responder Training Related to EV Fires



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Questions and Discussion

For More Information



Lori Clark
Senior Program Manager & DFWCC Director
lclark@nctcog.org
817-695-9232



cleancities@nctcog.org



Meetings, webinars, events: www.dfwcleancities.org/events



Email subscriptions: www.dfwcleancities.org/getinvolved



LinkedIn: www.linkedin.com/showcase/dfwcleancities



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