



# Dallas-Fort Worth Clean Cities Stakeholder Meeting

North Central Texas Council of Governments  
6.18.2024

# Thank You to Our Dallas-Fort Worth Clean Cities Sponsors



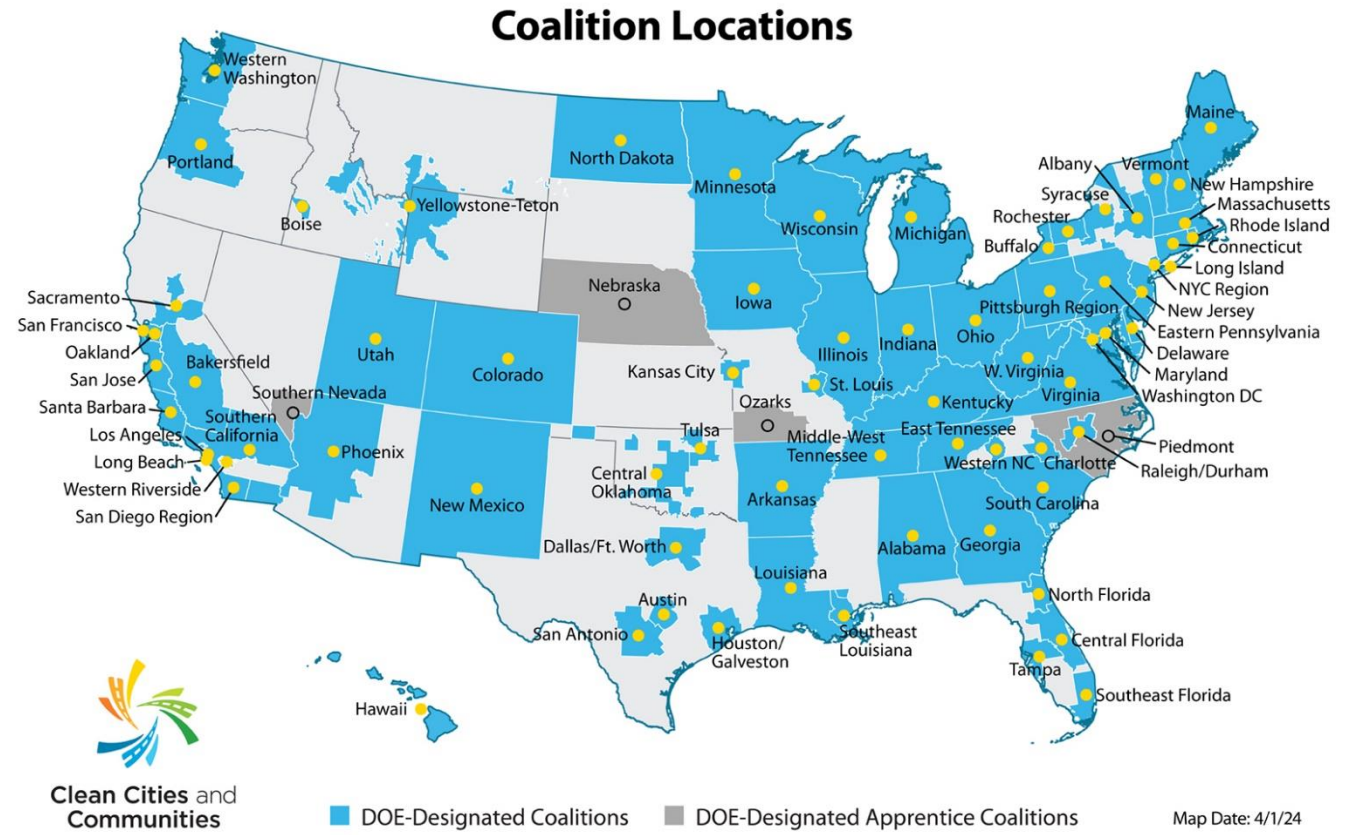
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<https://www.dfwcleancities.org/sponsorships!>

# National Network of Clean Cities Coalitions

More than 85 Clean Cities Coalitions with thousands of stakeholders, representing ~90% of US population

Designated by the Department of Energy

Working locally to advance affordable, domestic transportation fuels, energy-efficient mobility systems, and other fuel-saving technologies and practices



# What We Do

## Funding Support

Administer Funding

Assist with Navigating  
Programs and Developing  
Grant Applications



## Technical Assistance

Maintain and Analyze Data

Host Webinars and Workshops

Develop Best Practices and Template Resources



## Planning the Futures

Alternative Fuel Corridors

Organic Waste to RNG Feasibility Study

Texas Electric Vehicle (EV) Charging Plan

Zero-Emission Vehicle (ZEV) Infrastructure



## Raising Awareness

Fleet Recognition

Facilitating Relationships

National Drive Electric Week

Success Stories and Community Events





# DFWCC Update: National Rebranding

Rebranding provides opportunity to:

- Reflect focus on clean transportation and diversity of areas Coalitions serve
- Clearly communicate the relationship between Coalitions and Department of Energy
- Build on 30<sup>th</sup> anniversary

Benefits of new brand:

- Leverages existing recognition
- Expands inclusivity
- Clarifies transportation focus
- Strengthens DOE connection
- Increases visibility



**Clean Cities and  
Communities**

**Orange Road:** Community  
**Green Road:** Environment  
**Blue Road:** Technology

# DFWCC Update: Technical Advisory Committee (TAC)

## Purpose

The DFWCC TAC is a group of stakeholder experts that work together to guide the Coalition's strategic direction, support its activities, and facilitate its capacity for growth

## Request for Nominations

Currently accepting nominations to join the DFWCC TAC

Nominations due to [cleancities@nctcog.org](mailto:cleancities@nctcog.org) by **Wednesday, July 31, 2024**

More information can be found at [dfwcleancities.org](http://dfwcleancities.org)

## Current TAC Members

Katherine Barnett, **City of Denton**

Dwayne Bianco, **City of Carrollton**

Jose Correa, **Kimley-Horn - VICE CHAIR**

Walter Council, **City of Fort Worth**

Lon Holloway, **Northwest Propane Gas Co.**

David Kendrick, **City of Frisco**

Michelle McKenzie, **Hood County Clean Air Coalition**

Vincent Olsen, **City of Dallas**

David Treichler, **Oncor**

Jim Valerio, **Parsons**

James Wood, **DFW International Airport - CHAIR**

David Word

# DFWCC Update: Redesignation

## Goal of Redesignation

Coalition and Stakeholders are active and engaged in achieving goals

Host agency mission and activities are sufficiently aligned

Coalition implemented recommendations from previous redesignation

## Redesignation Schedule

### May-October 2024

Department of Energy and contractors interview stakeholders

Coalition staff prepares webinar with stakeholder input

Seeking Stakeholder Agreement ([www.dfwcleancities.org](http://www.dfwcleancities.org))

### October 2024

Webinar and Discussion with Department of Energy Staff

## National Clean Cities and Communities Questions

Who are key stakeholders and what fuels are they using?

What are the most successful Coalition projects?

What challenges does the Coalition face or will the Coalition face in the future?

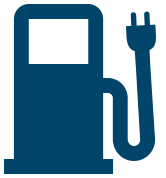
What projects can DFWCC or stakeholders implement to have a significant impact on GGE and GHG in the near term?

# DFWCC Key Focus Areas and Goals



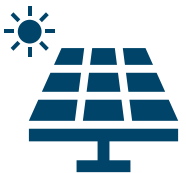
## Clean Vehicle Initiatives

- Support Transition to ZEV and Other Alternative Fuel Technologies through Education and Technical Assistance
- Assist Deployment of Clean Vehicle Technologies by Identifying, Promoting, and Providing Funding



## Alternative Fuel Infrastructure Initiatives

- Build and Support EV Charging Infrastructure Installations that Fill Gaps or Increase Equitable Access
- Support Increased Reliability and Resiliency of EV Charging Infrastructure
- Build and Plan Publicly-Accessible Infrastructure Network to Support ZEV Transition in Medium- and Heavy-Duty Sector



## Energy Integration & Community Readiness

- Educate Local Governments on How to Support Local Adoption of Clean Transportation Technologies
- Limit Negative Electric Grid Impacts Associated with Transportation Electrification and Conserve Energy to Offset Increased Load
- Increase Local Adoption, Safety, and Resilience of Renewable Fuels (electricity, natural gas, hydrogen, biodiesel)
- Plan and Support Workforce Development to Support Clean Transportation Technologies and the Electric Grid



# Alternative Fuel Infrastructure Goals

## Goal 1: Support 100 new light-duty EV charging station installations in the region by 2028

- Identify gap areas in need of publicly accessible light-duty charging projects.
- Connect with key stakeholders in identified charging gap areas.
- Conduct or contribute to outreach events educating stakeholders about light-duty electric vehicles and charging.

## Goal 2: Support 10 medium-/heavy-duty alternative fuel vehicle charging/refueling projects by 2028, with at least half near marginalized communities

- Identify potential locations for alternative fuel medium-/heavy-duty zero-emission infrastructure projects.
- Connect with stakeholders in identified potential locations.
- Conduct or contribute to outreach events educating stakeholders about alternative fuel infrastructure.

## Goal 3: Support 25 EV charging projects in the region that increase the resiliency, reliability, and emergency preparedness of EV charging stations

- Assist with development of resilient EV charger projects and support applications for funding assistance.
- Increase the reliability of EV charging stations in the region.
- Connect with utility and emergency preparedness staff to identify focus areas for resiliency projects.
- Collaborate on outreach events educating stakeholders about the benefits of resilient and reliable EV chargers.

# Alternative Fuel Infrastructure Initiatives

## Goal 1: North Texas Equitable Electric Vehicle Infrastructure Project

Awarded \$15M to build up to 100 EV charging ports in the NCTCOG region and create specialized technical teams to streamline implementation

## Goal 2: Texas Hydrogen and Electric Freight Infrastructure Project

Awarded \$70M to construct 5 medium-/heavy-duty hydrogen refueling stations across the Texas Triangle

## Goal 3: North Texas Reliable Electric Vehicle Infrastructure Project

Awarded \$3.6M to repair, replace, or upgrade existing, non-operational EV charging stations

# Clean Energy Goals

**Goal 1:** Facilitate conversion of all public sector fleet compressed natural gas (CNG) contracts to renewable natural gas (RNG) fueling contracts by 2027

- Identify public sector fleets currently using CNG in the region, how many are purchasing RNG, and then hold discussions to encourage the transition to RNG.
- Track progress of the number of public sector fleets in the region that enter RNG contracts.

**Goal 2:** Involvement in or completion of activities to support and expedite deployment of clean vehicle technologies and alternative fuel infrastructure.

- Promote the standardization of EV-ready building codes.
- Coordinate with stakeholders to reduce barriers in deploying alternative fuel infrastructure.
- Support first responder training for EV and infrastructure battery fires.

**Goal 3:** Expand the workforce training programs at local community colleges to include technician training for the installation and maintenance of electric vehicle charging stations by 2027.

- Identify EVSE OEMs and installation companies interested in meeting colleges to discuss training needs.
- Gather data on existing EVSE trainings programs, the need for these programs, and relevant grants.
- Hold discussions with community colleges and stakeholders, assist in securing grants, and monitor the establishment training programs.

**Goal 4:** Minimize negative electric grid impacts and advance energy conservation to offset increased transportation electrical load and minimize energy interruptions

- Inform local governments about annual state-required energy reduction and reports and promote energy conservation through webinars and outreach events.
- Conduct outreach on free preliminary energy assessments and provide information on energy resources and conservation strategies.
- Develop a regional EV infrastructure resilience plan and conduct demonstration projects to ensure continuity of operations of critical EV travel.

# Clean Energy Initiatives

## Goal 2: Charging Smart

Received \$50,000 to partner with Interstate Renewable Energy Council to provide local governments with best practices and policies to support deployment of EV infrastructure

## Goal 3: Guaranteeing Access to Underserved and Marginalized Populations by Building Employment Opportunities (GUMBO)

Received \$40,000 to partner with Louisiana Clean Fuels to bring technician training to local colleges to facilitate a workforce ready to install, maintain and service EV charging equipment

## Goal 4: Planning Resilient EV Charging in Texas

Awarded \$1.5M to work with a team of stakeholders in the region to create an EV infrastructure resiliency plan which provides actionable recommendations to ensure the continuity of operations of critical EV travel; will also include demonstration projects for identified resiliency strategies

# Clean Energy Initiatives

## Goal 4: Planning Resilient EV Charging in Texas

If you are a local government that owns EV chargers, please complete the survey below.

This survey will help inform our resilient EV charging planning efforts.





# Clean Vehicle Initiatives Goals

## Goal 1: Support and document 20 public sector fleets who adopt NO<sub>x</sub> - reducing alternative fuels by 2027

- Complete fleet transition analyses
- Conduct or assist with educational events
- Assist fleets with finding and applying for funding

## Goal 2: Support and document 10 private sector fleets who adopt NO<sub>x</sub> - reducing alternative fuels by 2027

- Complete fleet transition analyses
- Conduct or assist with educational events
- Assist fleets with finding and applying for funding

## Goal 3: Increase EV registration by consumers/general public across the 12-county Metropolitan Planning Area so that at least 100 EVs are registered in each zip code by 2027

- Hold three EV ride-and-drive events in census tracts with low EV adoption rates or in disadvantaged communities
- Attend community outreach events to educate the public on EVs

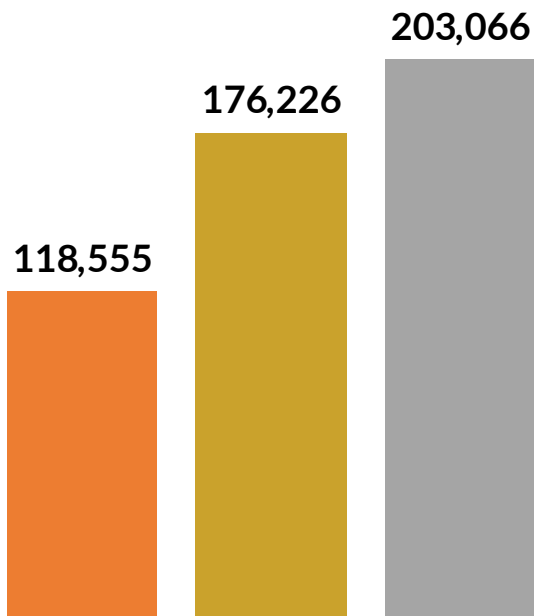
## Goal 4: Expand workforce training programs at local community colleges to include electric vehicle technician training by 2027

- Conduct outreach to students/schools/instructors to inform them of opportunities for EV technicians
- Conduct outreach to identify manufacturers interested in participating in discussions with the colleges and students/instructors/graduates
- Host a meeting with local community colleges/technical schools and manufacturers to discuss curriculum needs
- Work with local community colleges to apply for any grant funds needed and develop an EV technician training curriculum

# DFWCC Annual Fleet Survey Results\*

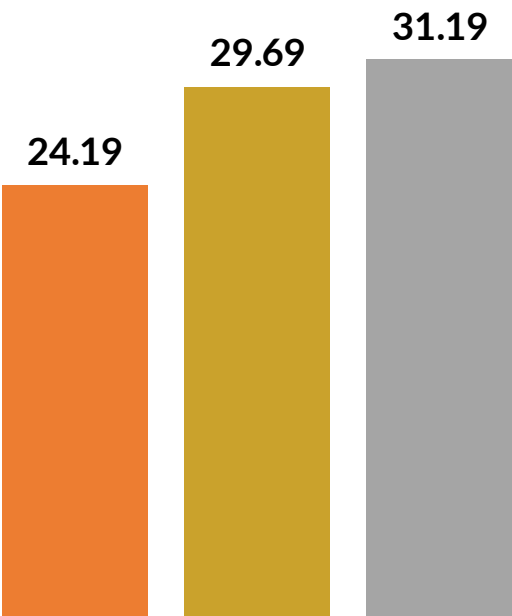
Tons Greenhouse Gases (GHG) Reduced (tons)

2021 2022 2023



Total Gasoline Gallon Equivalent (GGE) Displaced (in Millions)

2021 2022 2023

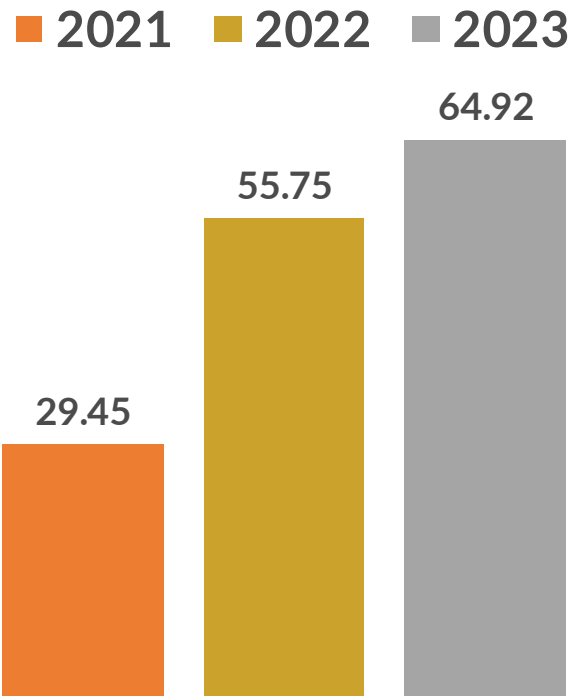


45 Reporting Fleets

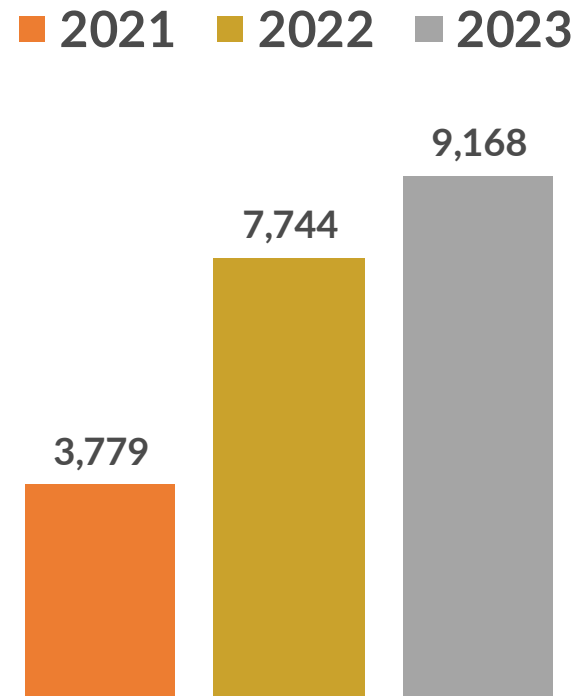
Emissions Reductions	GGE	GHG
National Goal	16%	20%
DFWCC 2023 Results	5%	15%

# DFWCC Annual Fleet Survey Results\*

Tons Nitrogen Oxides (NO<sub>x</sub>)  
Reduced



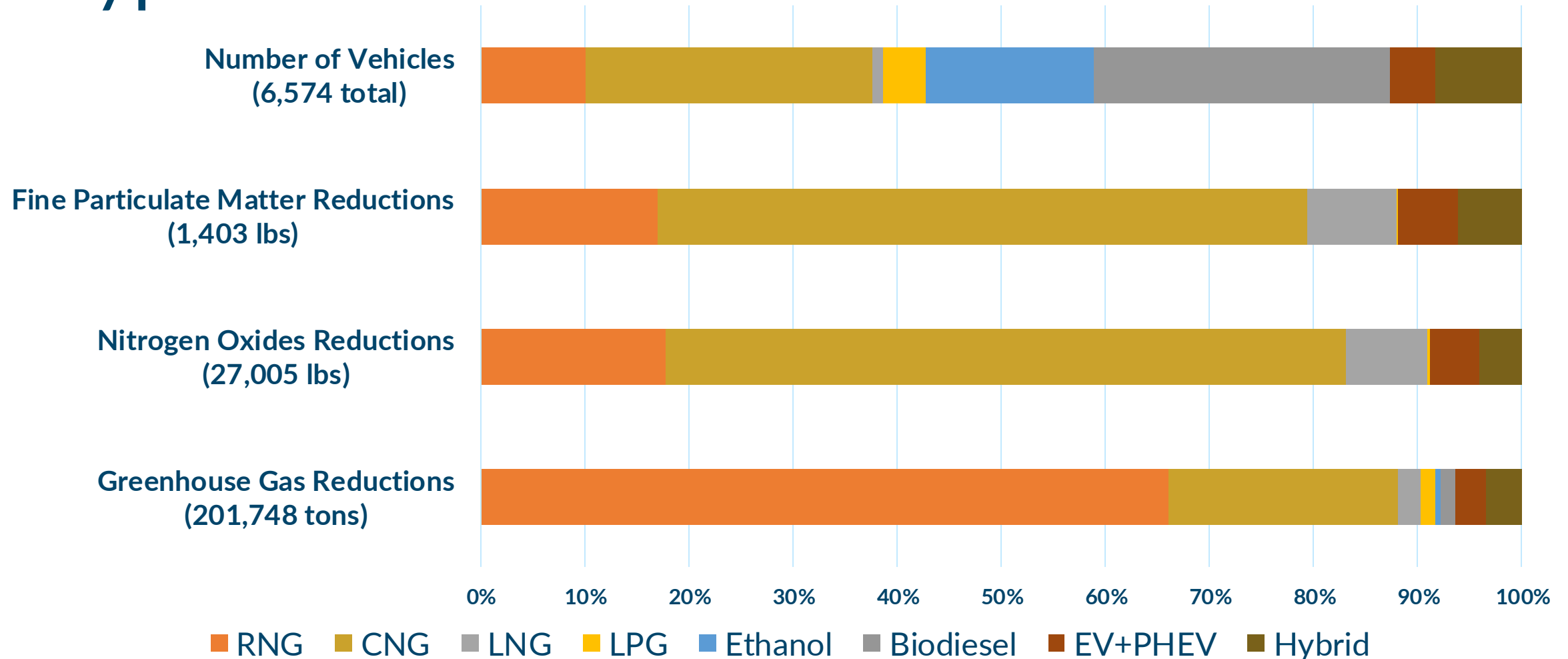
Tons Fine Particulate  
Matter (PM<sub>2.5</sub>) Reduced



9 & 10 counties designated  
Nonattainment for Ozone  
under the  
2008 & 2015 National  
Ambient Air Quality  
Standards (NAAQS)  
respectively

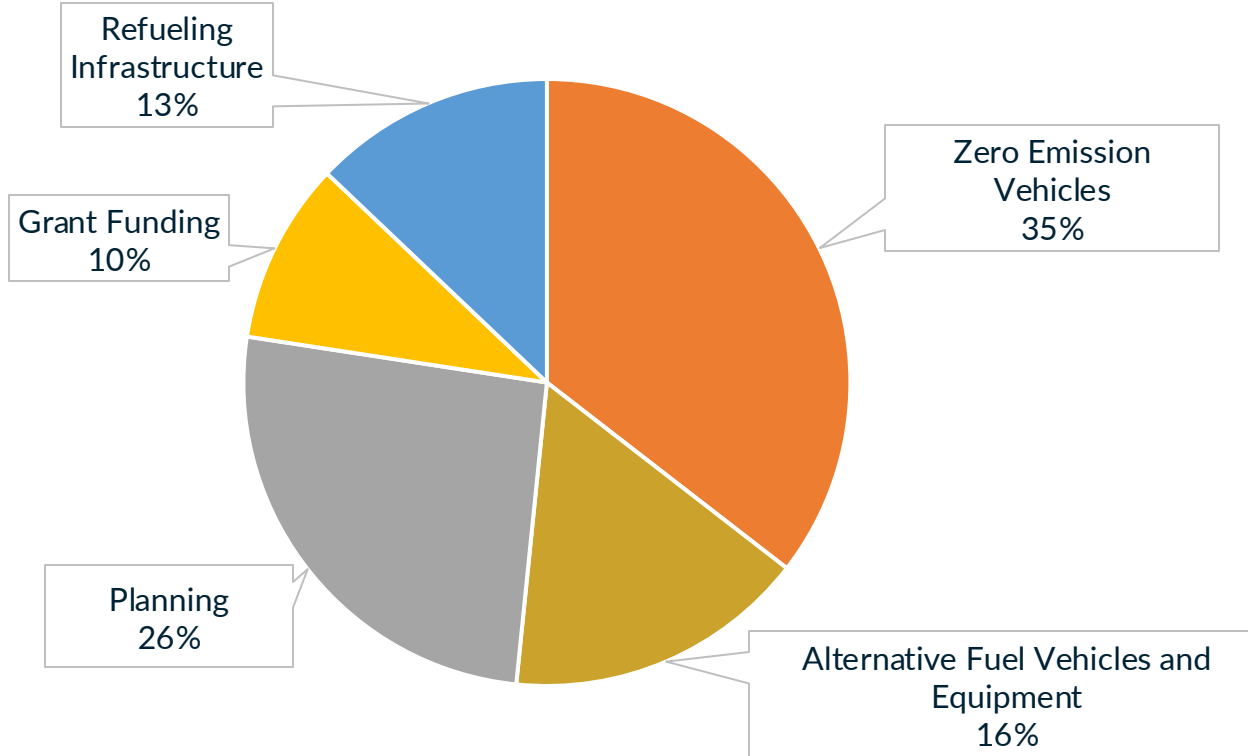
Potential for Dallas and  
Tarrant counties to be in  
Nonattainment for PM<sub>2.5</sub>  
under EPA's new NAAQS

# DFWCC Annual Measured Impact by Fuel Type\*

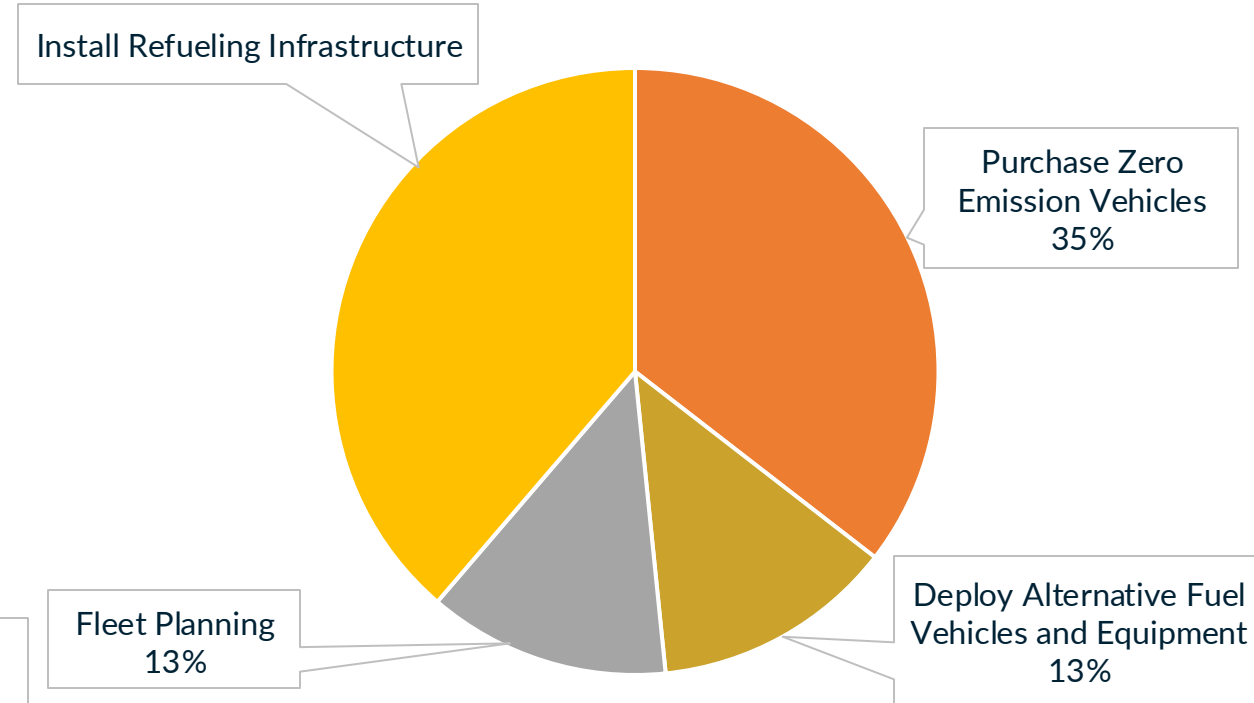


# DFWCC Fleet Survey Feedback

Fleet Coaching and Webinar Requests



If Funding Was Available...





# Goal 1 and 2: Fleet Transition

## Assist Fleets with Finding Funding

### Promote:

- Weekly e-blast: [www.nctcog.org/stay-informed](http://www.nctcog.org/stay-informed)
- Maintain funding website: [www.nctcog.org/aq-funding](http://www.nctcog.org/aq-funding)

### Identify:

Assist stakeholders in identifying and applying for funding programs

### Apply:

Diesel Emissions Reduction Act –

- Pending grant request for \$3 million
- Replace older, diesel on-road and off-road vehicles with newer, lower emission funding (gasoline, diesel, electric, and propane)

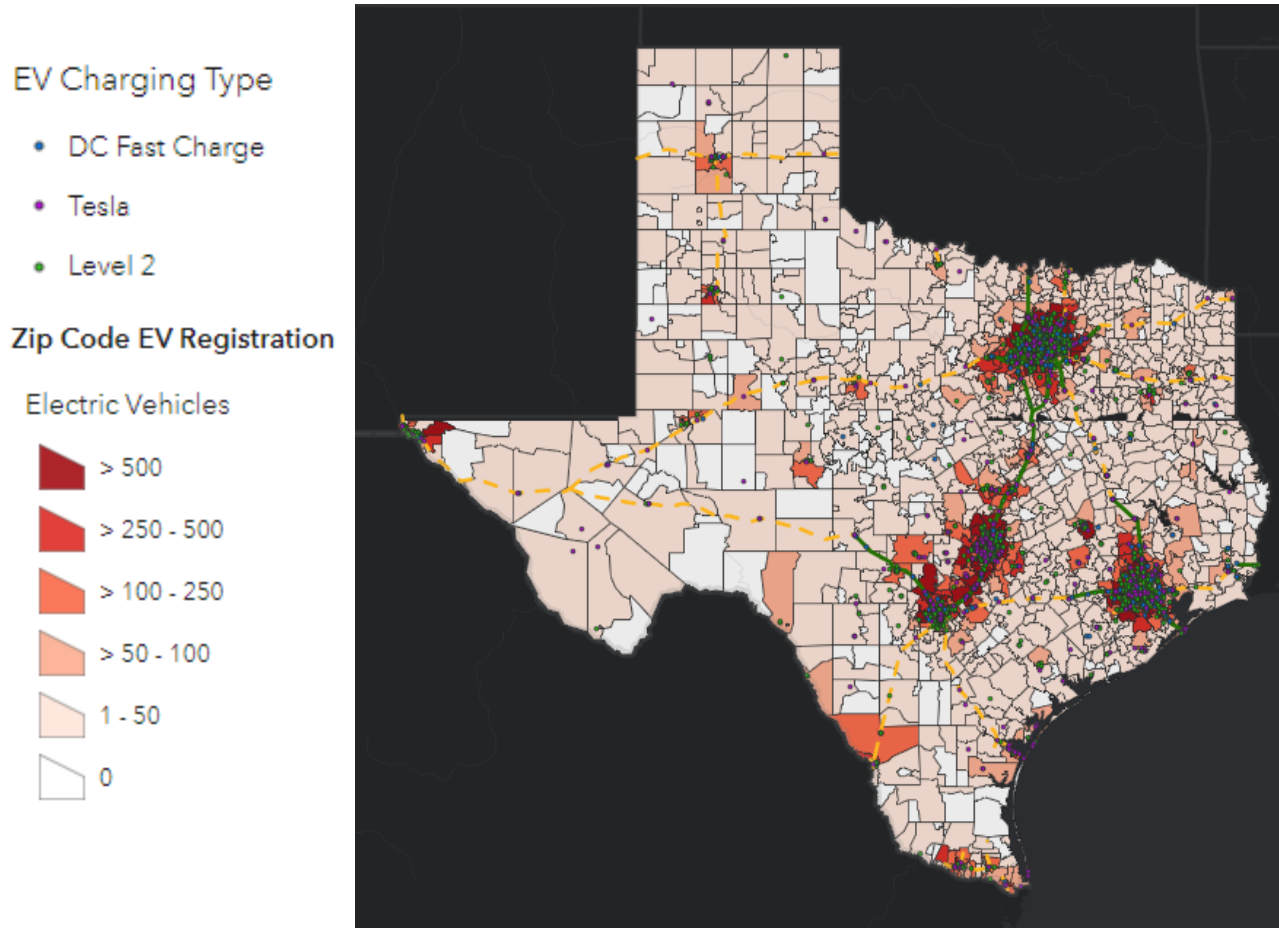
Climate Pollution Reduction Grant Program –

- Pending grant request for \$199 million; \$37 million for clean vehicle projects
- Can fund various clean vehicle projects, including: off-road, on-road, light-duty, heavy-duty, hybrid, etc.

Clean-Heavy Duty Vehicle Grant Program -

- NCTCOG is planning to submit an application for up to \$60 million on behalf of the region
- Replace Class 6 to 7 non-zero emission vehicles with zero-emission versions
- Reach out to [cleancities@nctcog.org](mailto:cleancities@nctcog.org) to learn more or check out [www.nctcog.org/aq-funding](http://www.nctcog.org/aq-funding)

# Goal 3: EV Registration



## Electric Vehicle (EV) Registration Data

[www.dfwcleancities.org/evnt](http://www.dfwcleancities.org/evnt) -> EVs and Texas

Region	June 2023	June 2024	Increase
Texas	199,163	281,696	41%
Dallas-Fort Worth (DFW)	72,951	103,615	42%
Austin	40,227	55,476	38%
San Antonio	19,185	25,735	34%
Houston	47,784	70,482	48%

## Charging Sites Statewide (includes Tesla):

- 2,803 Level 2
- 507 DC Fast

<https://afdc.energy.gov/stations>

# Goal 3: EV Registration

**Dallas-Fort Worth (DFW) National Drive Electric Week (NDEW) Event**  
Nationwide celebration to educate the public on the benefits of owning an electric vehicle



**Date:** Sunday, October 6, 2024

**Time:** 10:00am to 2:00pm

**Location:** Tanger Outlets, 15853 North Fwy, Fort Worth, TX 76177

Interested in Participating?

## **Exhibitors:**

Provide information on zero-emission vehicles, infrastructure, and sustainability to attendee

Exhibiting is free

## **Sponsors:**

Provide ride-and-drives, raffle prizes, entertainment, and more.

To sign up to Exhibit, Sponsor, or Attend the NDEW go to  
[www.driveelectricdfw.org](http://www.driveelectricdfw.org)



# Strategic Plan Discussion

Are there goals DFWCC did not cover in the Strategic Plan?

How can DFWCC best implement the goals in the Strategic Plan?



# Redesignation Discussion

What are successful projects DFWCC or Stakeholders have implemented?

What fuels should the Coalition prioritize?

What projects can DFWCC or Stakeholders implement to have a significant impact on GGE and GHG in the near term?

What challenges does the Coalition or Stakeholders face/will they face in the future?





# Mission and Vision Statement

## Mission Statement:

*A mission statement defines the organization's work, its objectives, and how it will reach these objectives at a high level*

## Vision Statement:

*A vision statement expresses how the world/state/community will be different as a result of the organization's work*



# DFWCC Mission & Vision Statements



## Mission Statement

DFWCC	<i>To improve North Texas air quality through initiatives and partnerships that reduce transportation emissions, improve efficiency, and strengthen the local economy</i>
National Clean Cities Program - <b>NEW</b>	<i>Clean Cities and Communities advance 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</i>
North Central Texas Council of Governments (NCTCOG)	<i>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</i>



## Vision Statement

DFWCC	<i>No current Vision Statement for DFWCC</i>
National Clean Cities Program - <b>NEW</b>	<i>Decarbonized transportation future for all communities</i>
NCTCOG	<i>No current Vision Statement for NCTCOG</i>

# Discussion

## Mission Statement:

- **Word Cloud:** What keywords would you like to see in a DFWCC Mission Statement?
- Does the proposed DFWCC Mission Statement support what is outlined in the DFWCC Strategic Plan?

## Vision Statement:

- **Word Cloud:** What keywords would you like to see in a DFWCC Vision Statement?
- What is a good Vision Statement for DFWCC?



[slido.com](https://www.slido.com/join/default.aspx?code=#2271571) Enter code #2271571



# Upcoming Events

Date: Tuesday, August 6, 2024

Time: 10:30 a.m. – 12:30 p.m.

Location: 616 Six Flags Drive  
Arlington, TX 76011

\*In-Person Only\*

**Clean Vehicle Vendor  
Expo**

Date: Sunday, October 6, 2024

Time: 10:00 a.m. – 2:00 p.m.

Location: Tanger Outlets  
15853 North Freeway  
Fort Worth, TX 76177

**2024 DFW  
National Drive  
Electric Week  
Event**



For More Information Visit:  
[dfwcleancities.org/events](https://dfwcleancities.org/events)



DFW Clean Cities Stakeholder Meeting

# Tools and Resources

## DFWCC Events

[dfwcleancities.org/events](http://dfwcleancities.org/events)



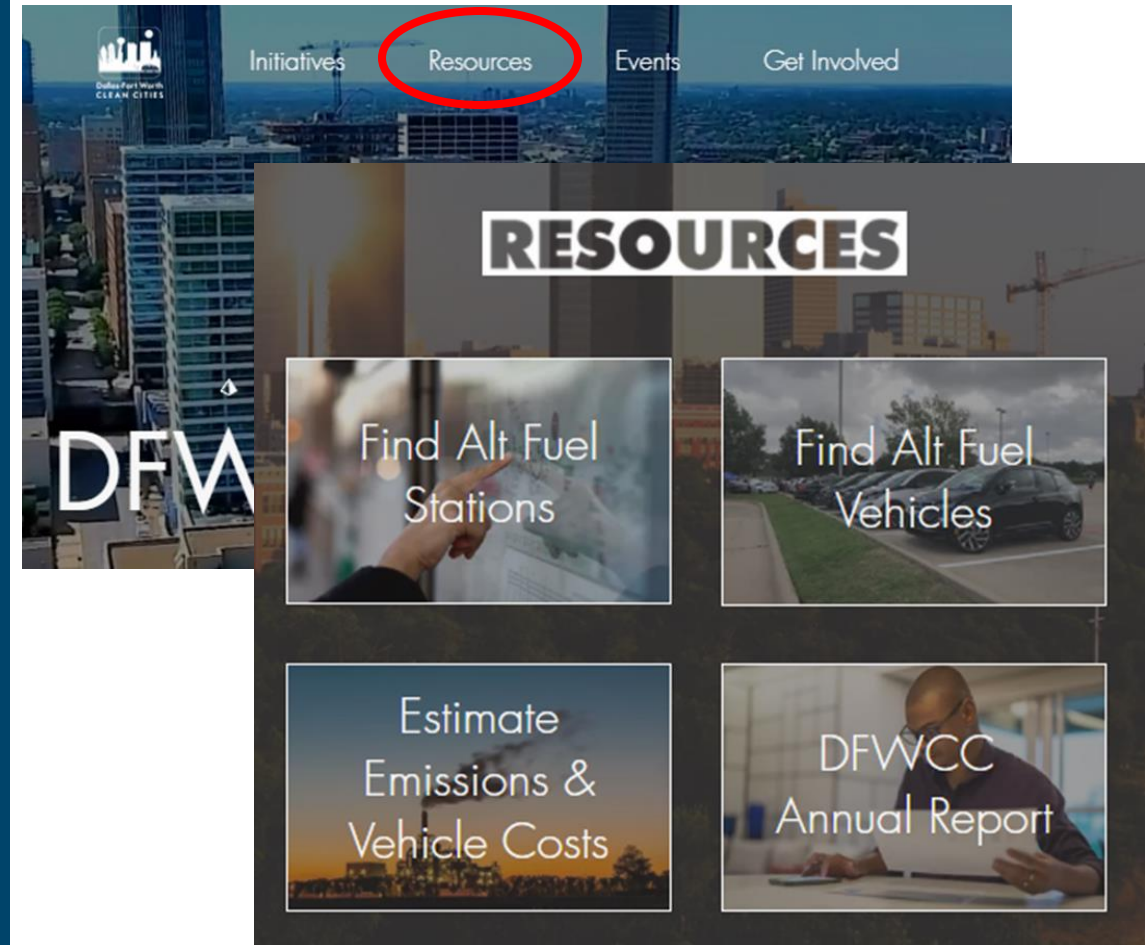
## EV Registration Data

[dfwcleancities.org/evnt](http://dfwcleancities.org/evnt)



## Funding Opportunities

[nctcog.org/aqfunding](http://nctcog.org/aqfunding)



# Get Involved with DFWCC

Contact us at  
[cleancities@nctcog.org](mailto:cleancities@nctcog.org) for any  
questions on fleet  
electrification, funding  
opportunities, or other  
inquiries

Upcoming and past webinars  
and events posted at  
[dfwcleancities.org/events](https://dfwcleancities.org/events)

To stay up to date on  
procurement opportunities,  
register under “air  
quality/energy planning”  
and/or “alternative fuels” on  
the NCTCOG Transportation  
Department Vendor  
Database  
[www.dfwcleancities.org/get  
-involved](https://www.dfwcleancities.org/get-involved)

Sign up for our weekly email list  
[dfwcleancities.org/getinvolved](https://dfwcleancities.org/getinvolved)

