



# 2023 DFW Clean Cities Fleet Recognition Awards

October 25, 2023 – NCTCOG



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



Interested in sponsoring DFWCC?  
Visit <https://www.dfwcleancities.org/sponsorships>!

# Agenda

**1:30 – 1:45 PM**

Introduction and Regional Updates

**1:45 – 2:15 PM**

TCEQ Presentation on Funding Programs

**2:15 – 2:45 PM**

DFWCC Annual Survey Results and Fleet  
Recognition Awards

**2:45 – 3:00 PM**

Dessert/Fleet Recognition Group Photo

# Upcoming DFWCC Events

## Electric Vehicle Fleet Manager Roundtable

- November 2, 2023, from 1-2:30pm

## Regional Electric Vehicle Infrastructure Working Group

- November 15, 2023, from 2-3pm

## Drop-in Fuels Webinar

- December 6, 2023, from 1-2pm

## Regional Electric Vehicle Infrastructure Working Group

- January 17, 2023, from 2-4pm
- In-person only – Transportation Council Room

<https://www.dfwccleancities.org/events>





# DFW Clean Cities Structure

Host Agency: NCTCOG

NCTCOG Executive Board (MPO Fiduciary Agent)

Departments: Transportation

Regional Transportation Council (MPO Policy Board)

Program Areas: Clean Fuels & Energy

DFW Clean Cities Technical Advisory Committee

# Key Focus Areas & Goals



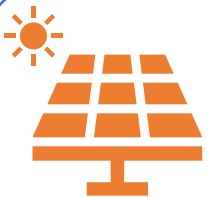
## Clean Vehicle Initiatives – Advance Adoption of Cleanest Vehicle Technologies

- Provide Education and Technical Assistance to Support Transition to Zero Emission Vehicle (ZEV) and Other Alternative Fuel Technologies
- Assist Deployment of Clean Vehicle Technologies by Identifying, Promoting, and Providing Funding
- Hold/Participate in Ride & Drive and Other Hands-On Events for Fleets & Other Owners/Drivers



## Alternative Fuel Infrastructure Initiatives – Ensure Accessible and Affordable Infrastructure

- Planning to Increase Equitable Access to EV Charging Infrastructure
- Reduce Barriers, Delay, and Cost in Local Infrastructure Development
- Build 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
- Minimize Negative Electric Grid Impacts Associated with Transportation Electrification and Advance Energy Conservation to Offset Increased Load
- Increase Local Availability and Resilience of Renewable Fuels (electricity, natural gas, hydrogen, biodiesel)

# DFWCC Technical Advisory Committee

## Purpose:

- Guide DFWCC's strategic direction
- Support DFWCC's activities
- Facilitate DFWCC's capacity for growth

## 2023-2025 Voting Members:

Katherine Barnett – City of Denton

Dwayne Bianco – City of Carrollton

Jose Correa – Kimley-Horn

Dr. Anthony Cummings – UTD

Lon Holloway – Propane Council of Texas

David Kendrick – City of Plano

Michelle McKenzie – Hood County Clean Air Coalition

David Treichler – Oncor Electric Delivery

Jim Valerio – Parsons

James Wood – DFWIA

David Word – Air Products and Chemicals

[nctcog.org/trans/about/committees/dallas-fort-worth-clean-cities](https://nctcog.org/trans/about/committees/dallas-fort-worth-clean-cities)



# National Clean Cities Branding

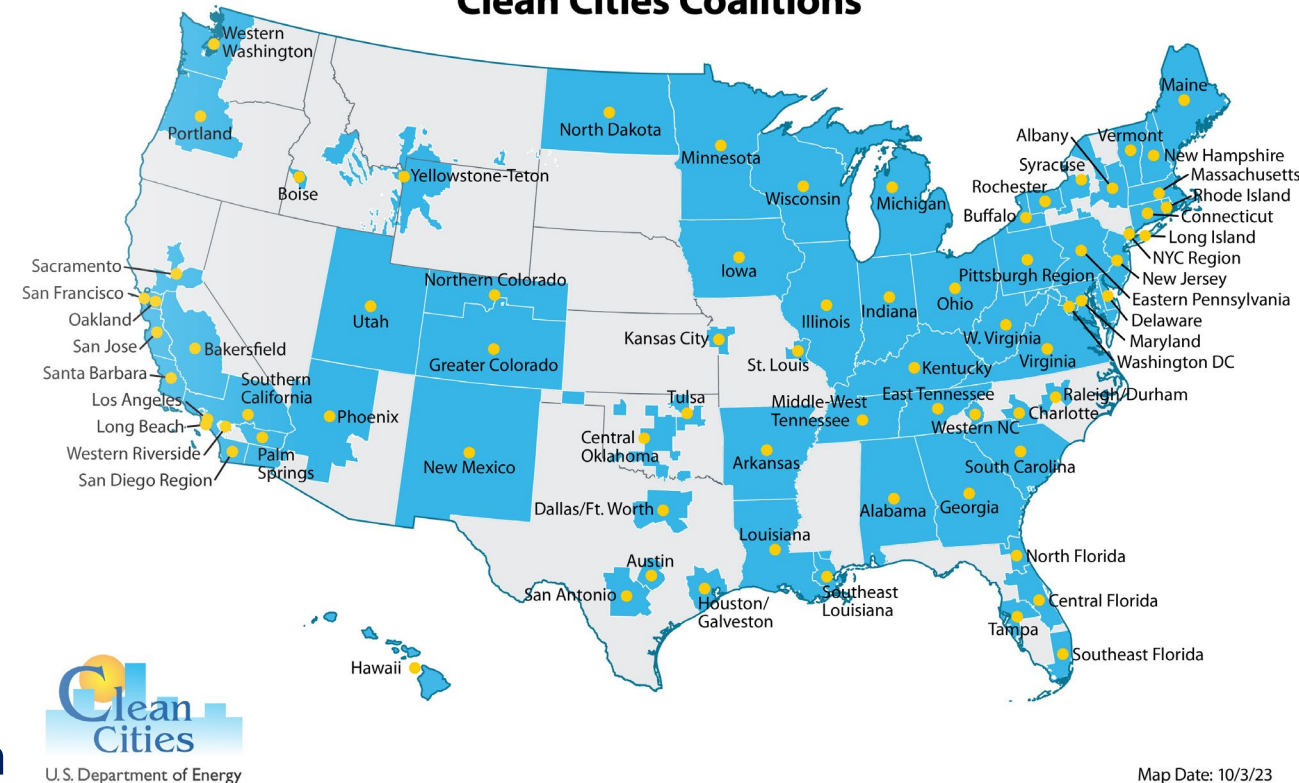
**New name:** Clean Cities and Communities

**New tagline:** A U.S. Department of Energy partnership to advance clean transportation nationwide

**New Vision:** Decarbonized transportation future for all communities

**Updated Mission:** To 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

**Clean Cities Coalitions**





# Regional Updates

# Climate Pollution Reduction Grants (CPRG)

Funding Agency: Environmental Protection Agency (EPA)

Two-phase grant program to develop and implement plans for reducing greenhouse gas emissions

1. Planning - \$250 million
2. Implementation - \$4.6 billion

NCTCOG – Lead Agency for DFW area; collaboration includes

- NCTCOG Transportation, Environment and Development, and Workforce Departments
- Local Governments (all 16 counties included)
- Public Engagement

EPA-Required Deliverables Include:

- Priority Climate Action Plan (PCAP) – Due March 1, 2024
- Comprehensive Climate Action Plan (CCAP) – Due Summer 2025
- Status Report – Due Summer 2027

**Dallas-Fort Worth Air Quality Improvement Plan**



# Climate Pollution Reduction Grants (CPRG)

## Potential Measures Suggested in Transportation Workshop

Topic Area	Measures
Clean Fuels and Efficiency	<ul style="list-style-type: none"><li>- Build more electric vehicle (EV) and alternative fuel infrastructure *</li><li>- Identify and designate “low-emission corridors”</li></ul>
Sustainable Development	<ul style="list-style-type: none"><li>- Implement the 15-minute city *</li><li>- Improve sidewalks with solar panels or native trees *</li><li>- Add more bike lanes and add barriers to bike lanes *</li><li>- Expand the Safe Routes to Schools program *</li><li>- Deploy “park once” programs *</li><li>- Invest in cool/smart pavement</li></ul>
Congestion Management	<ul style="list-style-type: none"><li>- Identify opportunities to utilize roundabouts</li><li>- Add dedicated turn lanes to reduce congestion</li><li>- Utilize unused lanes (such as service roads) during times of high congestion, or explore the use of contraflow lanes</li><li>- Improve existing railway crossings to minimize vehicle idling</li></ul>
Transit Planning and Operations	<ul style="list-style-type: none"><li>- Create bus/transit only lanes *</li><li>- Improve access to transit stops and minimize wait times *</li><li>- Implement parking maximums to encourage public transportation *</li></ul>

# Climate Pollution Reduction Grants (CPRG)

Seeking Recommendations on:

- Measures to Include in the Priority Climate Action Plan
  - New Measures to Implement
  - Current Measures that Should Expand
  - Measures which Need Additional Funding to Continue
  - Current Measures which Need to Updating/Improving
- Presentation Opportunities to Spread the Word

Send input to [nctcog-cprg@PublicInput.com](mailto:nctcog-cprg@PublicInput.com)

Survey coming soon at [www.publicinput.com/nctcog-cprg](http://www.publicinput.com/nctcog-cprg)



# Department of Energy EMPOWER Workplace Charging Project

An outreach and education project that provides support and resources to employers and employees interested in workplace charging

## Role of NCTCOG:

- Collect pledge letters from workplaces to install charging
- Assist workplaces with funding/installation
- Verify charging station after installation is complete



**EMPOWER**  
WORKPLACE CHARGING

## Get Involved!

- Sign workplace charging pledge
- Share info on workplace charging locations
- Visit [www.workplacecharging.com](http://www.workplacecharging.com) for more information

# Regional Electric Vehicle (EV) Infrastructure Working Group

Established to coordinate EV Infrastructure efforts across North Texas

Next meeting – Wednesday, November 15, 2 - 3 pm, Virtual

- Jennifer Deaton, Oncor Electric Delivery – EVolution program

## Get Involved!

- Email [jbillings@nctcog.org](mailto:jbillings@nctcog.org) to join the working group
- Submit site suggestions on the Texas Electric Vehicle Charging Plan Interactive Map:  
[https://txdot.mysocialpinpoint.com/tx\\_ev\\_plan/map#/](https://txdot.mysocialpinpoint.com/tx_ev_plan/map#/)

# Biodiesel and Renewable Natural Gas Opportunities

## Grease Roundup/Cease the Grease

- Opportunity to grow a local circular economy for biodiesel production and use
- Biodiesel can reduce CO<sub>2</sub> emissions by up to 74%
- Biodiesel produced from used cooking oils produces less nitrogen oxides (NO<sub>x</sub>)
- **Get Involved!** [Holiday Grease Roundup \(defendyourdrainsnorthtexas.com\)](https://defendyourdrainsnorthtexas.com)

## Organic Waste to Fuel Feasibility Study

- Explored potential for organic waste, anaerobic digestion, and RNG in the NCTCOG region
- Transition from compressed natural gas (CNG) to renewable natural gas (RNG) to achieve substantial greenhouse gas reductions without any additional infrastructure costs
- **Get Involved!**
  - Local feedstock sources and a guide to transition to RNG contracts

<https://www.nctcog.org/envir/materials-management/nct-organic-waste-to-fuel-feasibility-study>

# Recent Grant Awards Kicking Off New Projects

## **Houston to Los Angeles (H2LA) – Interstate 10 Hydrogen Corridor Project\***

- Assist in infrastructure planning for hydrogen truck fueling around the Texas Triangle and I-10

## **Guaranteeing Access to Underserved and Marginalized Populations by Building Employment Opportunities (GUMBO)\***

- Assist in promoting/replicating curricula for EV charging station technician training in DFW

## **EV Smart Communities\***

- Pilot program that assists municipalities in being EV-friendly

## **Multimodal/Drone Delivery Demonstration to Disadvantaged Communities and Mobility Challenged Populations\***

- Assist in the development and deployment of a multimodal project and lead evaluation of electrification opportunities for the Tarrant Area Food Bank fleet

## **State Energy Conservation Office Contract – Resilient EV Charging Infrastructure Planning White Paper**





# NCTCOG Pending Proposals

## Charging and Fueling Infrastructure Discretionary Grant Program

### Corridor Program

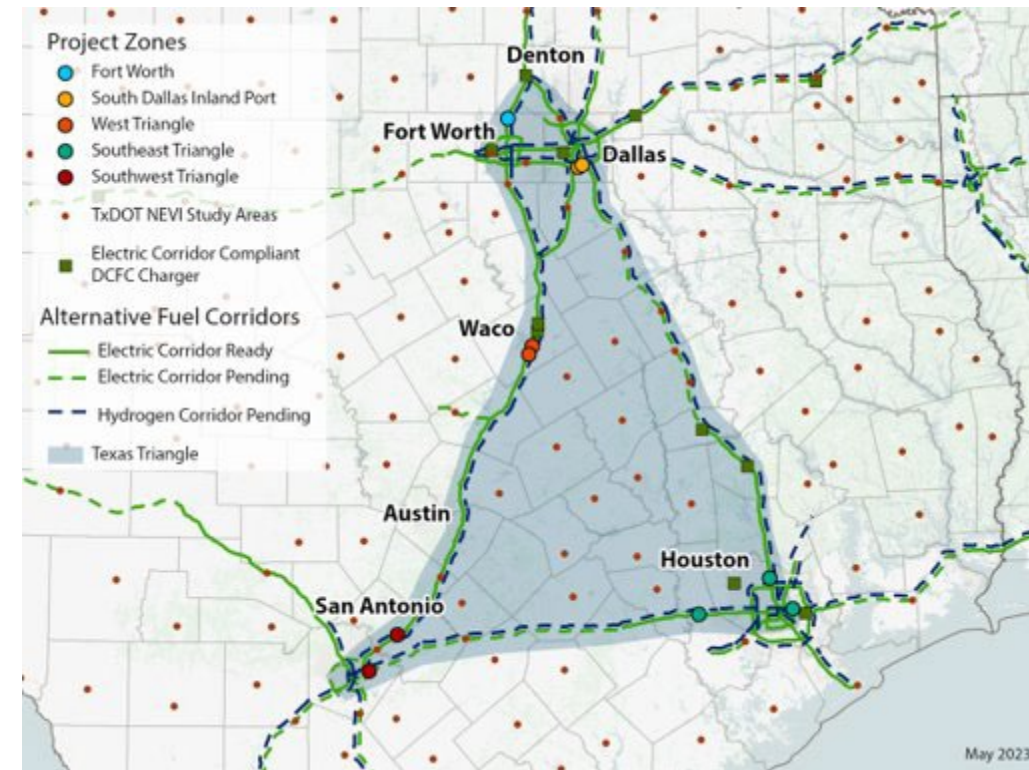
- Applied for 5 hydrogen stations near Alliance Texas Mobility Innovation Zone, Southern Dallas County Inland Port, and around Texas Triangle

### Community Program

- Applied on behalf of the region
  - Build up to 100 EV charging ports regionwide
  - At least 50% in Justice40 Areas

## Planning Resilient EV Charging in Texas

- Plan addressing the resiliency of EV charging infrastructure (population growth, weather, inland ports, etc.)



# Available Funding

Program/Incentive	Eligible Activities	Funding Amount	Deadline to Apply
<u>Environmental Protection Agency (EPA) Diesel Emissions Reduction Act, via NCTCOG Call for Partners*</u>	Replace On-road and Non-road Diesel Engines/Vehicles/ Equipment	Varies based on Project; Can Request up to \$3 Million	<b>To Be Considered as part of NCTCOG Proposal: October 27, 2023</b> To Apply Directly to EPA (Public Entities Only): December 1, 2023
<u>Commercial Electric Vehicle (EV) and Fuel Cell Electric Vehicle (FCEV) Tax Credit</u>	Purchase an electric, plug-in hybrid, or fuel cell electric vehicle	15% of the purchase price for PHEVs 30% of the purchase price for EVs (Max \$7,500/\$40,000)	No deadline
<u>Alternative Fuel Infrastructure Tax Credit</u>	Install qualified fueling equipment, such as EV charging infrastructure in eligible locations	Up to 30% tax credit	December 31, 2032

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

# NCTCOG Call for Projects

## EPA National Diesel Emissions Reduction Act (DERA) Program

**Call for Partner** North Texas Diesel Emissions Reduction Call for Partners

**Project Types** Replace On-road and Non-road Diesel Engines/Vehicles/Equipment;  
Install Locomotive Shore Power, EPA Verified Idle Reduction

**Available Funding** Up to \$3 million per EPA application; \$14 million total for EPA Region 6

**Call for Partner Applicants** Private Fleets and Companies;  
Public Agencies such as Local Governments

**Priority Project Locations** 10-County Ozone Nonattainment Area\*; Area of Air Toxics Concern\*\*

**Clean Fleet Policy** Must Adopt Regional Transportation Council (RTC) Clean Fleet Policy or Similar

**Deadline** NCTCOG Proposal: **October 27, 2023**; EPA: **December 1, 2023**

Opportunity to collaborate with NCTCOG on a regional EPA proposal



# Texas Commission on Environmental Quality Funding Programs





**TERP**

**TEXAS EMISSIONS REDUCTION PLAN**



## Air Grants 101

The Air Grants Division (AGD) administers the Texas Emissions Reduction Plan (TERP) Program and the Texas Volkswagen Environmental Mitigation Program (TxVEMP) which provide incentive funding to reduce emissions from mobile sources operating in Texas.

# *Introduction to TERP*

## **What we do**

- **Provide grants to reduce nitrogen oxides (NO<sub>x</sub>) emissions, a precursor to the formation of ground level ozone, from mobile sources.**
- **Support programs to encourage the use of alternative fuels for transportation in Texas.**
- **Provide grants to support reductions in emissions from school bus diesel exhaust.**
- **Fund studies of and pilot programs for incentives for Port Authorities to encourage cargo movement that reduces emissions.**
- **Fund new technologies to reduce emissions from stationary sources and oil and gas operations.**





# *Introduction to TERP*

## **How it works**

- **TERP provides grants to replace older vehicles and equipment with newer, cleaner models.**
- **Older vehicles and equipment are rendered permanently inoperable.**
- **Grantees commit to operating newer, cleaner models in designated areas of Texas to reduce NO<sub>x</sub> emissions in those areas.**



# *Introduction to TERP*

## **How it works**

- Depending on the program, TERP provides grants as well for:
  - New purchases
  - Repower or retrofit
  - Refueling infrastructure





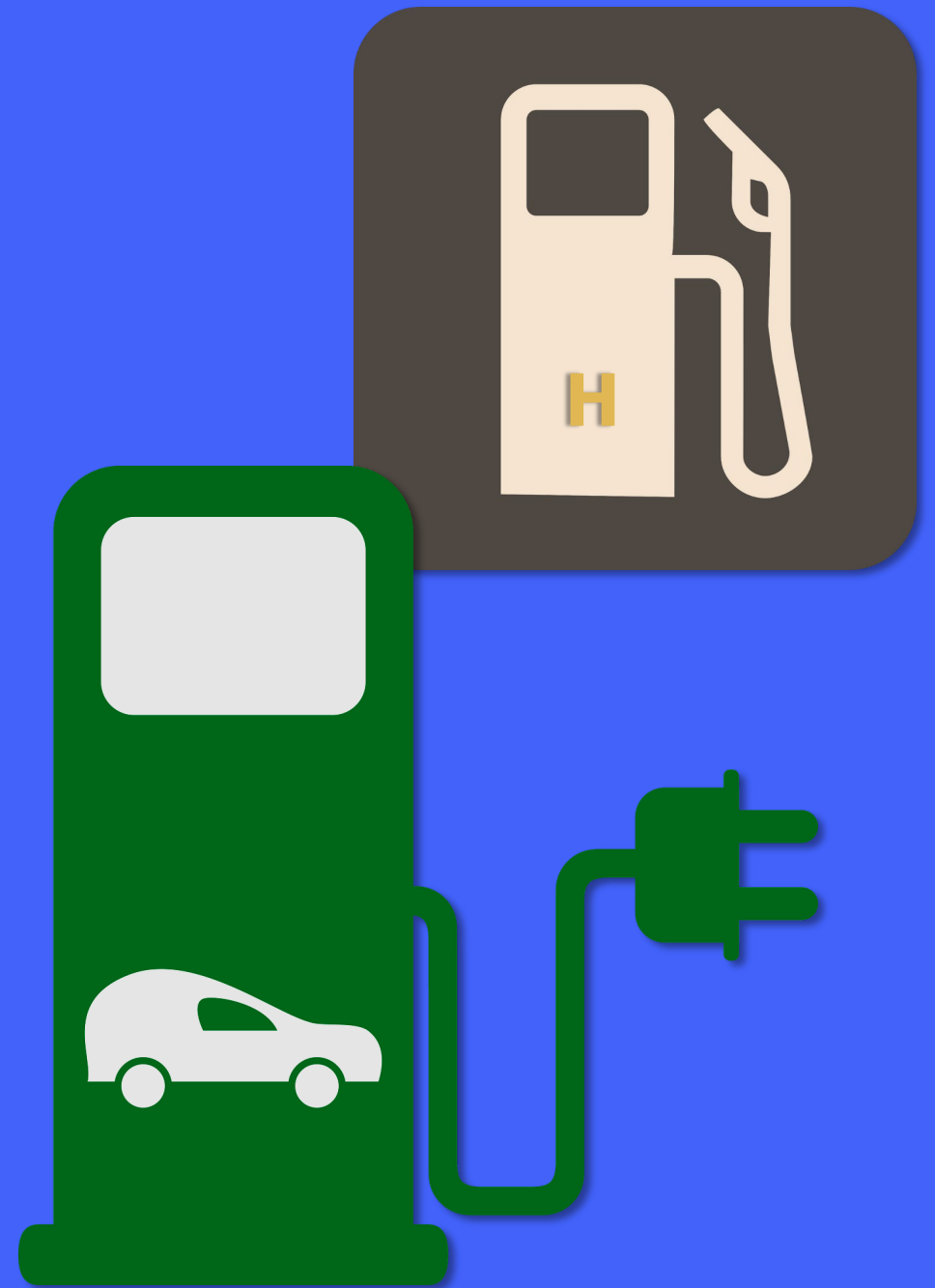
# *Grant Programs*



## *Grant Programs*

### **Light-Duty Motor Vehicle Purchase or Lease Incentive Program (LDPLIP)**

The **LDPLIP** provides grants for the purchase or lease of an eligible new light-duty motor vehicle powered by compressed natural gas, liquified petroleum gas, hydrogen fuel cell or other electric drive (plug-in or plug-in hybrid). This is a statewide program.



## *Grant Programs*

### **Texas Hydrogen Infrastructure, Vehicle, and Equipment Grant Program (THIVE)**

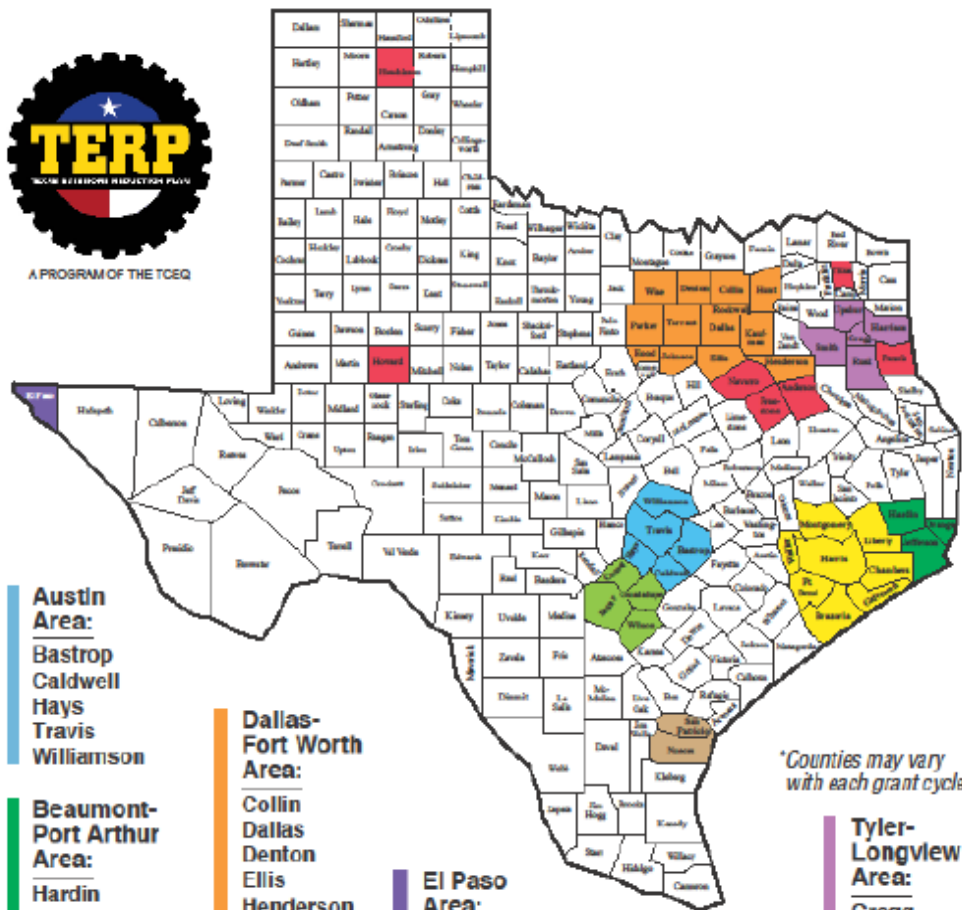
The **THIVE** provides grants to incentivize hydrogen infrastructure, HD vehicles, and HD equipment that reduce NO<sub>x</sub> emissions from high-emitting sources in Texas nonattainment areas and affected counties.



*Coming Soon!*



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*\*Counties may vary with each grant cycle.*

**Austin Area:**  
Bastrop  
Caldwell  
Hays  
Travis  
Williamson

**Beaumont-Port Arthur Area:**  
Hardin  
Jefferson  
Orange

**Corpus Christi Area:**  
Nueces  
San Patricio

**Dallas-Fort Worth Area:**  
Collin  
Dallas  
Denton  
Ellis  
Henderson  
Hood  
Hunt  
Johnson  
Kaufman  
Parker  
Rockwall  
Tarrant  
Wise

**El Paso Area:**  
El Paso

**Houston-Galveston-Brazoria Area:**  
Brazoria  
Chambers  
Fort Bend  
Galveston  
Harris  
Liberty  
Montgomery  
Waller

**San Antonio Area:**  
Bexar  
Comal  
Guadalupe  
Wilson

**Tyler-Longview Area:**  
Gregg  
Harrison  
Rusk  
Smith  
Upshur

**Other:**  
Anderson  
Freestone  
Howard  
Hutchinson  
Navarro  
Panola  
Titus



January 2023

This map was generated by the TCEQ's GIS Services Division using the information provided and does not represent property boundaries. If you have questions concerning the map, contact the division at 505-0714 (TCEQ).

# THIVE Eligible Counties

## *Grant Programs*

### **Port Authority Studies and Pilot Projects (PASPP) Program**

The **PASPP** provides grants for studies of and pilot programs for incentives for port authorities in Texas' nonattainment areas or affected counties to encourage cargo movement that reduces NO<sub>x</sub> and particulate matter emissions.





## *Grant Programs*

### **Texas Natural Gas Vehicle Grants Program (TNGVGP)**

The **TNGVGP** provides grants for the replacement or repower of diesel or gasoline-powered on-road heavy-duty and medium-duty vehicles with new or used natural gas vehicles or new natural gas engines.



## *Grant Programs*

### **Alternative Fueling Facilities Program (AFFP)**

The **AFFP** provides grants for the construction or expansion of natural gas and other alternative fueling stations.





## *Grant Programs*

### **Texas Clean Fleet Program (TCFP)**

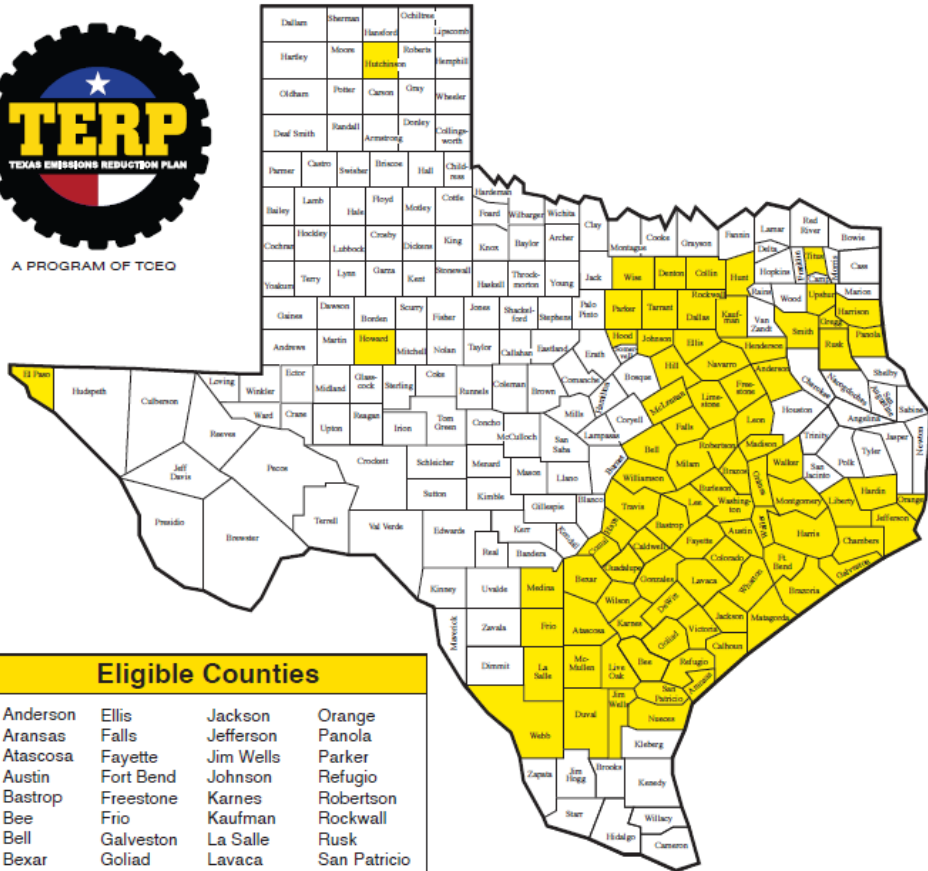
The **TCFP** provides grants for entities with large fleets to replace diesel-powered on-road light-duty or heavy-duty vehicles with new alternative fuel or hybrid vehicles.



# Clean Transportation Zone



A PROGRAM OF TCEQ



## Eligible Counties

Anderson	Ellis	Jackson	Orange
Aransas	Falls	Jefferson	Panola
Atascosa	Fayette	Jim Wells	Parker
Austin	Fort Bend	Johnson	Refugio
Bastrop	Freestone	Karnes	Robertson
Bee	Frio	Kaufman	Rockwall
Bell	Galveston	La Salle	Rusk
Bexar	Goliad	Lavaca	San Patricio
Brazoria	Gonzales	Lee	Smith
Brazos	Gregg	Leon	Tarrant
Burleson	Grimes	Liberty	Titus
Caldwell	Guadalupe	Limestone	Travis
Calhoun	Hardin	Live Oak	Upshur
Chambers	Harris	Madison	Victoria
Collin	Harrison	Matagorda	Walker
Colorado	Hays	Medina	Waller
Comal	Henderson	McLennan	Washington
Dallas	Hill	McMullen	Webb
Denton	Hood	Milam	Wharton
DeWitt	Howard	Montgomery	Williamson
Duval	Hunt	Navarro	Wilson
El Paso	Hutchinson	Nueces	Wise



TEXAS  
COMMISSION ON  
ENVIRONMENTAL  
QUALITY

September 2022

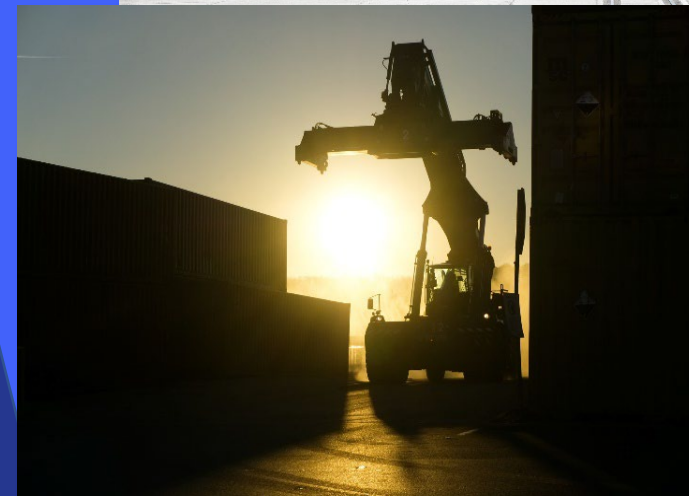
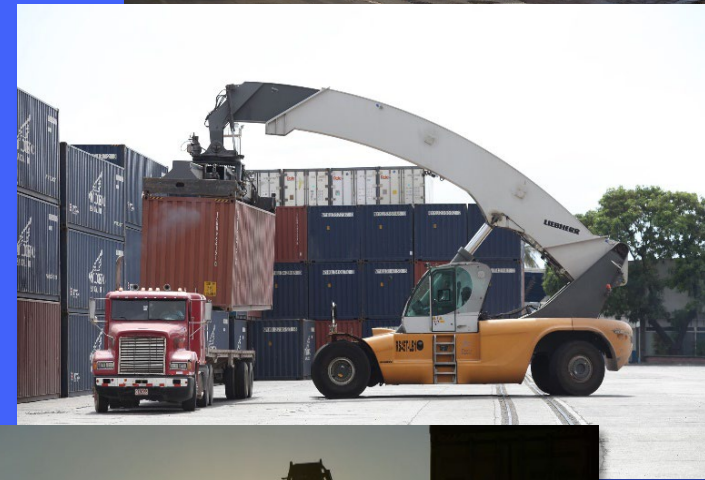
This map was generated by the TCEQ's Air Grants Division solely for informational purposes and does not represent property boundaries. If you have questions concerning this map, contact the division at 800-219-TERP.

# CLEAN TRANSPORTATION ZONE

## *Grant Programs*

### **Seaport and Rail Yard Areas Emissions Reduction (SPRY) Program**

The **SPRY** provides grants for the replacement or repower of older drayage trucks, terminal tractors, and cargo-handling equipment operating at seaports and rail yards in areas of Texas designated as nonattainment.





# SPRY Eligible Seaports and Rail Yards

## ***Seaport Terminals***

### **Port of Houston**

- Barbours Cut Container Terminal
- Bayport Container Terminal
- Bulk Materials Handling Plant
- Houston Bulk Terminal
- Care Terminal
- Jacintoport Terminal
- Public Elevator No. 2
- Turning Basin Terminal
- Woodhouse Terminal

### **Port of Galveston**

- East End Ro-Ro Cargo Terminal
- Refrigerated Warehouse Terminal
- Export Grain Elevator
- Project and General Cargo Terminal
- Bulk Cargo Terminal
- West End Roll-On/Roll-off and General Cargo

### **Port of Freeport**

- Port Freeport Terminal Facilities

## ***Class 1 Intermodal Rail Yards***

### **Dallas-Fort Worth**

- Burlington Northern Santa Fe Alliance Intermodal Facility
- Kansas City Southern Wylie Intermodal Facility
- Union Pacific Mesquite
- Union Pacific Dallas Intermodal Terminal

### **El Paso**

- Burlington Northern Santa Fe El Paso Intermodal Terminal

### **Houston-Galveston-Brazoria**

- Burlington Northern Santa Fe Houston Port Facility
- Burlington Northern Santa Fe Houston Intermodal Facility (Pearland)
- Kansas City Southern Rosenberg
- Union Pacific Barbours Cut
- Union Pacific Englewood
- Union Pacific Houston (Settegast)

\*eligibility could be updated when the program opens.

## *Grant Programs*

# **New Technology Implementation Grant (NTIG) Program**

The **NTIG** provides grants to offset the cost of the implementation of existing technologies that reduce emissions from facilities and other stationary sources in Texas.



## *Grant Programs*

### **Emissions Reduction Incentive Grants (ERIG) Program**

The **ERIG program** provides grants to upgrade or replace select non-road equipment, locomotives, marine vessels, and stationary equipment.





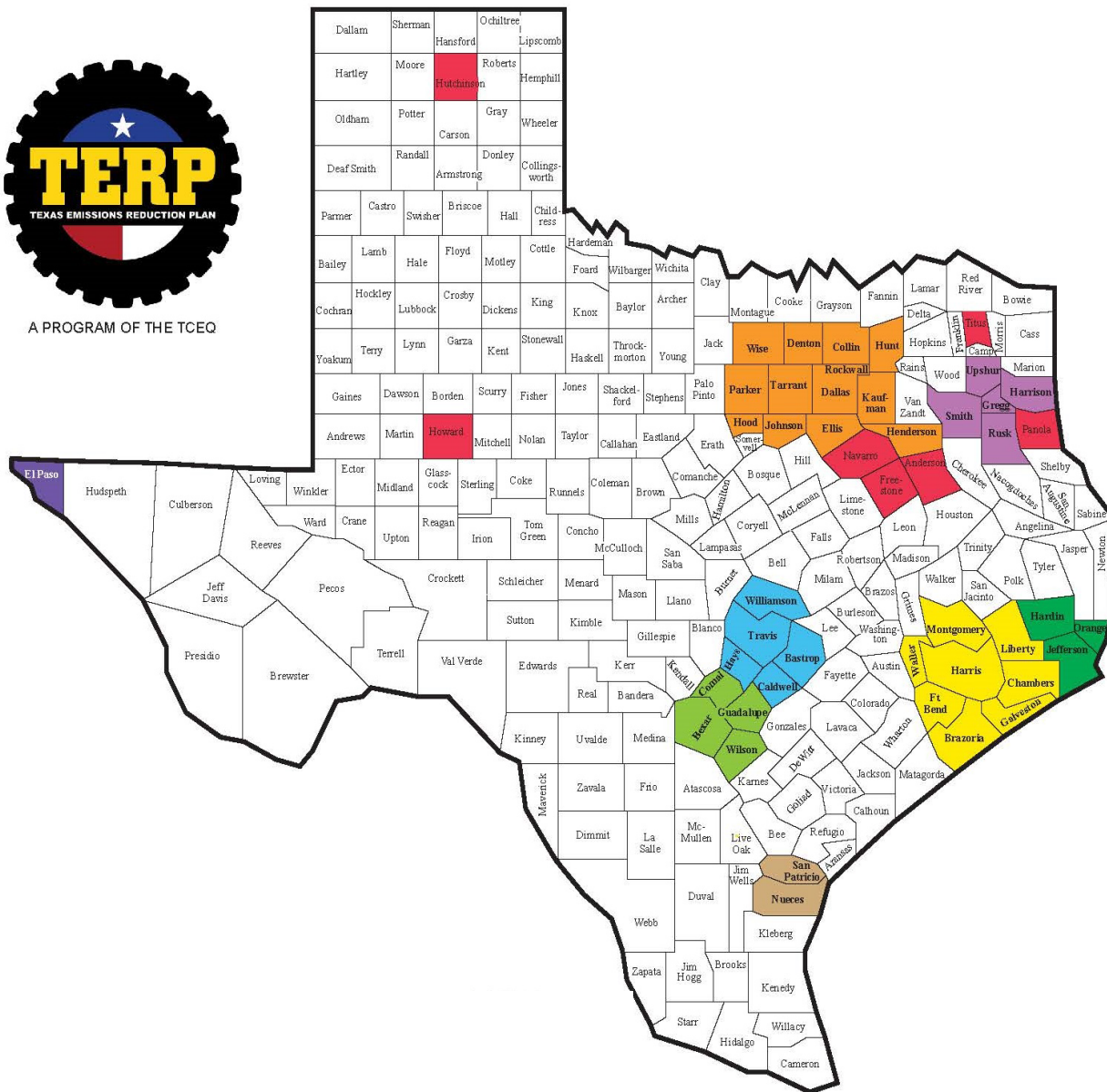
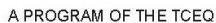
# *Grant Programs*

## **Rebate Grants Program**

The **Rebate Grants Program** provides grants for the replacement or repower of diesel-powered heavy-duty on-road vehicles and select non-road equipment.







# DERI

## Diesel Emissions Reduction Incentive

# Eligible Counties

## *Grant Programs*

### **Texas Clean School Bus (TCSB) Program**

The **TCSB** provides grants to retrofit or replace pre-2007 diesel-powered school buses.





## *Grant Programs*

### **Governmental Alternative Fuel Fleet (GAFF) Program**

The **GAFF** provides grants for state agencies and political subdivisions to upgrade, replace, or expand their vehicle fleets to operate on an alternative fuel, and to purchase, lease, or install refueling infrastructure for grant-funded vehicles.





# TERP Fees

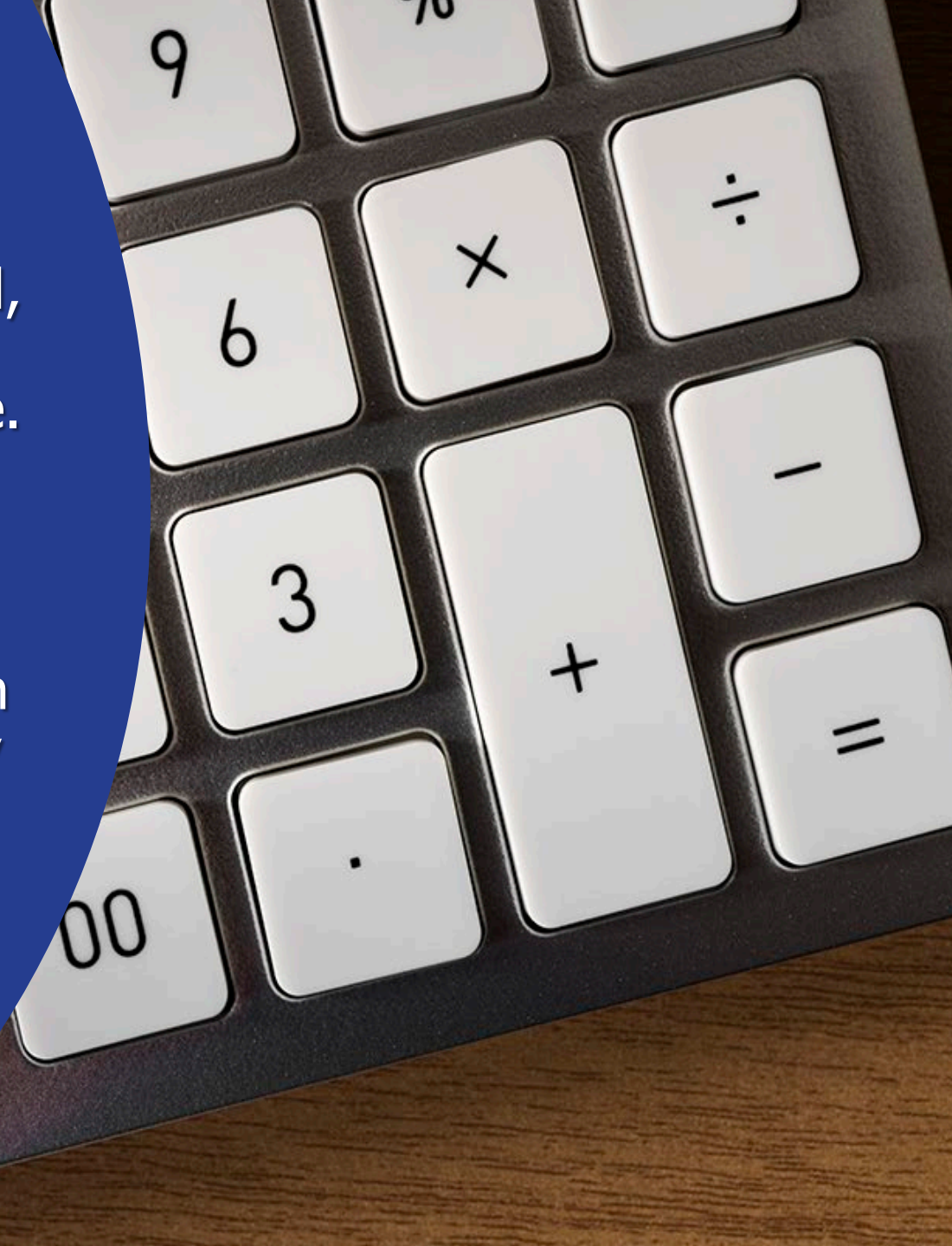
- **Tax Code Section 151.0515(b):** A 1.5% surcharge on the sale price or lease/rental amount of off-road heavy-duty diesel equipment sold, rented, or leased in the state. (A surcharge is also applied to the storage, use, or consumption of this equipment in Texas).
- **Tax Code Section 152.0215(a):** A 2.5% surcharge of the total consideration on sale or lease of model year pre-1997 on-road diesel vehicles over 14,000 pounds and a 1% surcharge for vehicle model year 1997 and newer.
- **Texas Transportation Code Section 502.358:** A 10% surcharge of the total fees due for the registration of truck-tractors and certain commercial motor vehicles.
- **Texas Transportation Code Section 501.138(a):** A portion of the vehicle certificate of title fee, \$20 of the \$33 fee for applicants in the nonattainment areas and affected counties, and \$15 of the \$28 fee for applicants in all other counties.
- **Texas Transportation Code Section 548.5055:** A \$10 fee on commercial motor vehicles required to have an annual safety inspection.





# TERP Trust Fund

- **House Bill 3745, 86<sup>th</sup> Texas Legislature, 2019**, established the TERP Fund as a trust fund, outside of the state treasury, to be held by the comptroller and administered by TCEQ as trustee. The creation of the TERP Fund became effective September 1, 2021.
- **House Bill 4472, 87<sup>th</sup> Texas Legislature, 2021**, required that the TCEQ remit not less than 35% of the TERP Trust Fund to the state highway fund for the Texas Department of Transportation (TxDOT) to administer congestion mitigation projects.



## *Background*

The United States Environmental Protection Agency (EPA) and the California Air Resources Board (CARB) determined that Volkswagen and related entities installed devices on its 2.0 and 3.0-liter diesel vehicles to emit NO<sub>x</sub> above the federal standards in normal operation.





# ***Funds Available to Texas***

- VW entered into settlements with the EPA and CARB to resolve the violations.
  - \$2.9 billion was divided into two trusts: one for Indian tribes; and one for states, the District of Columbia, and Puerto Rico.
  - \$10 billion for vehicle repair or buyback program.
  - \$2 billion for National Zero Emission Vehicle (ZEV) Investment Plan.
- A minimum of \$209,319,163 is available to Texas from the Trust for projects that reduce NO<sub>x</sub>.





## ***TCEQ's Role***

- Texas is designated as a state beneficiary under the Trust Agreement.
- Governor Abbott has designated the TCEQ as the Lead Agency for Texas.
- The Lead Agency must administer the funds, submit funding requests, track and monitor use of the funds, and submit semi-annual reports to the Trustee.





# *Funding Allocation by Area*

## *TxVEMP*

Area	Pro-Rata Allocation (% of VW vehicles)	Base Funding for Nonattainment Areas	Strategic Allocation	Total
Dallas-Fort Worth Area	\$22,919,202	\$10,465,958	—	\$33,385,160
Houston-Galveston-Brazoria Area	\$21,360,321	\$10,465,958	—	\$31,826,279
San Antonio Area	\$8,619,558	\$10,465,958	\$42,500,000	\$61,585,516
Austin Area	\$11,547,602	—	\$4,750,000	\$16,297,602
El Paso County	\$2,064,031	—	\$14,750,000	\$16,814,031
Bell County	\$1,757,741	—	\$325,324	\$2,083,065
Beaumont-Port Arthur Area	\$806,869	—	\$6,750,000	\$7,556,869
Totals	\$69,075,324	\$31,397,874	\$69,075,324	\$169,548,522

# *Eligible Mitigation Actions*

- **Replacements and Repowers**

- Class 4 - 7 Local Freight
- Class 8 Local Freight Trucks and Port Drayage Trucks
- Class 7 – 8 Refuse Vehicles
- School Buses
- Transit and Shuttle Buses
- Forklifts and Port Cargo Handling Equipment (Electric)
- Airport Ground Support Equipment (Electric)

- **Other**

- Shore Power for Ocean Going Vessels
- Light-Duty Zero Emission Vehicle Supply Equipment





# *What's Open?*

## *TxVEMP All-Electric Grant Program*

- AGD opened two concurrent, and final, solicitation periods under the TxVEMP for the following Eligible Mitigation Actions (EMA):
  - **First-Come, First-Served:**
    - Class 4 - 7 Local Freight (Electric)
    - Class 8 Local Freight Trucks and Port Drayage Trucks (Electric)
    - School Buses, Transit Buses, and Shuttle Buses (Electric)
    - Forklifts and Port Cargo Handling Equipment (Electric)
    - Airport Ground Support Equipment (Electric)
  - **Direct Award:**
    - Shore Power for Ocean Going Vessels



# *Program Details*

## *TxVEMP All-Electric Grant Program*

- AGD anticipates approximately **\$88 million** to be available under the final TxVEMP solicitation periods.
  - Funds will be distributed by EMAs that have not previously been offered; and
  - Further distributed by the remaining EMAs offered under this final solicitation.
- AGD may redistribute these funds after the solicitation period has been opened for 90 days.
- AGD is incentivizing the adoption of replacement vehicles and equipment powered by electric motors.

# ***TxVEMP Percentage of Cost Limits***

## **Government-Owned**

Replacements (Electric)	100%
Repower (Electric)	100%
Shore Power	100%

## **Non-Government-Owned**

Replacements (Electric)	75%
Repower (Electric)	75%
Shore Power	25%

Q & A

*"We're here to help!"*





# 2022 DFW Clean Cities Fleet Survey Results

# DFW Clean Cities Impacts – Results from 2022 Survey

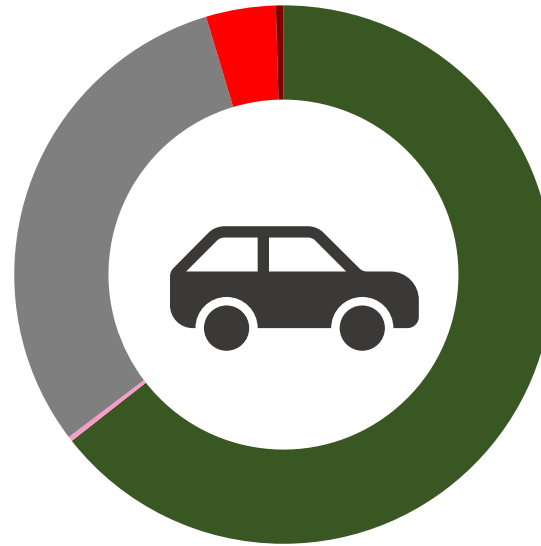
52 Fleets Reporting

9,764 Alternative Fuel  
Vehicles and Equipment

\*Impacts Over Calendar  
Year 2022

[dfwcleancities.org/annualreport](https://dfwcleancities.org/annualreport)

**~29.78 Million Gasoline Gallon  
Equivalent (GGE) Reduced\***



■ Total Alt Fuels

■ Off-Road Vehicles/Equipment

■ Idle Reduction

■ Fuel Economy Improvements

■ Vehicle Miles Traveled Reductions

**~56 Tons Ozone-Forming  
Nitrogen Oxides (NO<sub>x</sub>) Reduced\***



**~0.15 Ton/Day**  
For Comparison: RTC Initiatives  
Credited in Conformity = ~1.16  
Tons/Day

**176,226 Tons Greenhouse Gas  
(GHG) Emissions Reduced\***

**Equivalent to Eliminating**

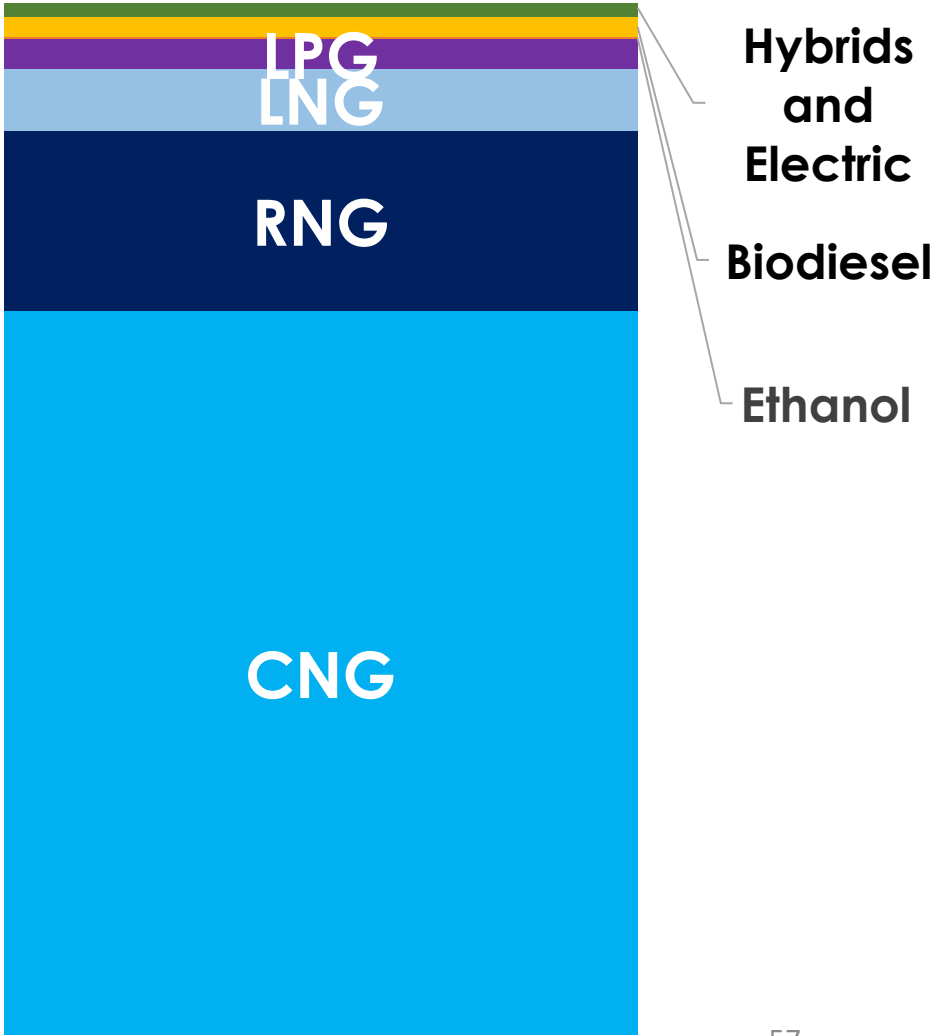
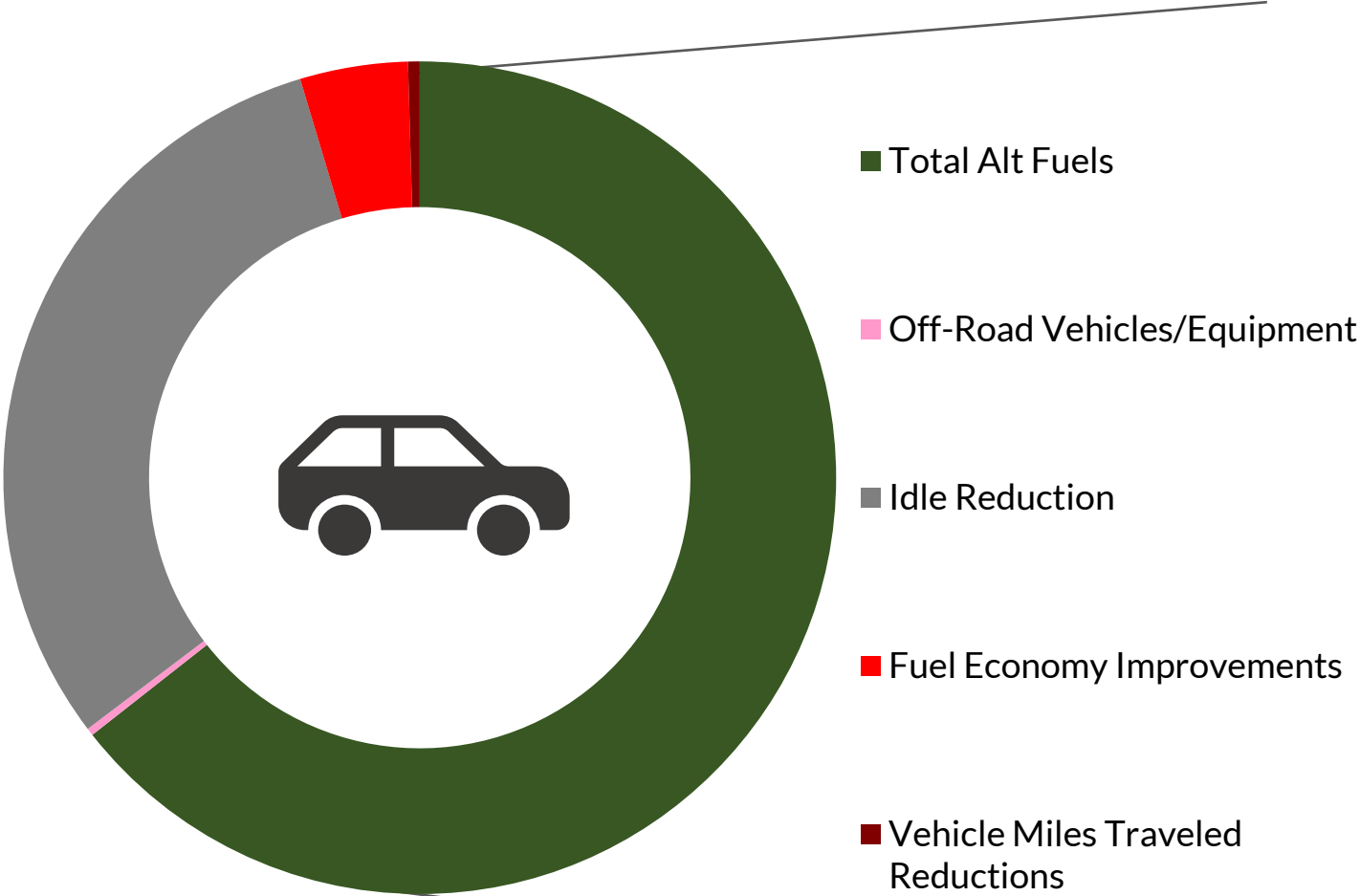


**Railcars Worth of Coal Burned**

# 2022 Annual Energy Impact

Total Energy Reduced

Alternative Fuel Vehicles Energy Reduced

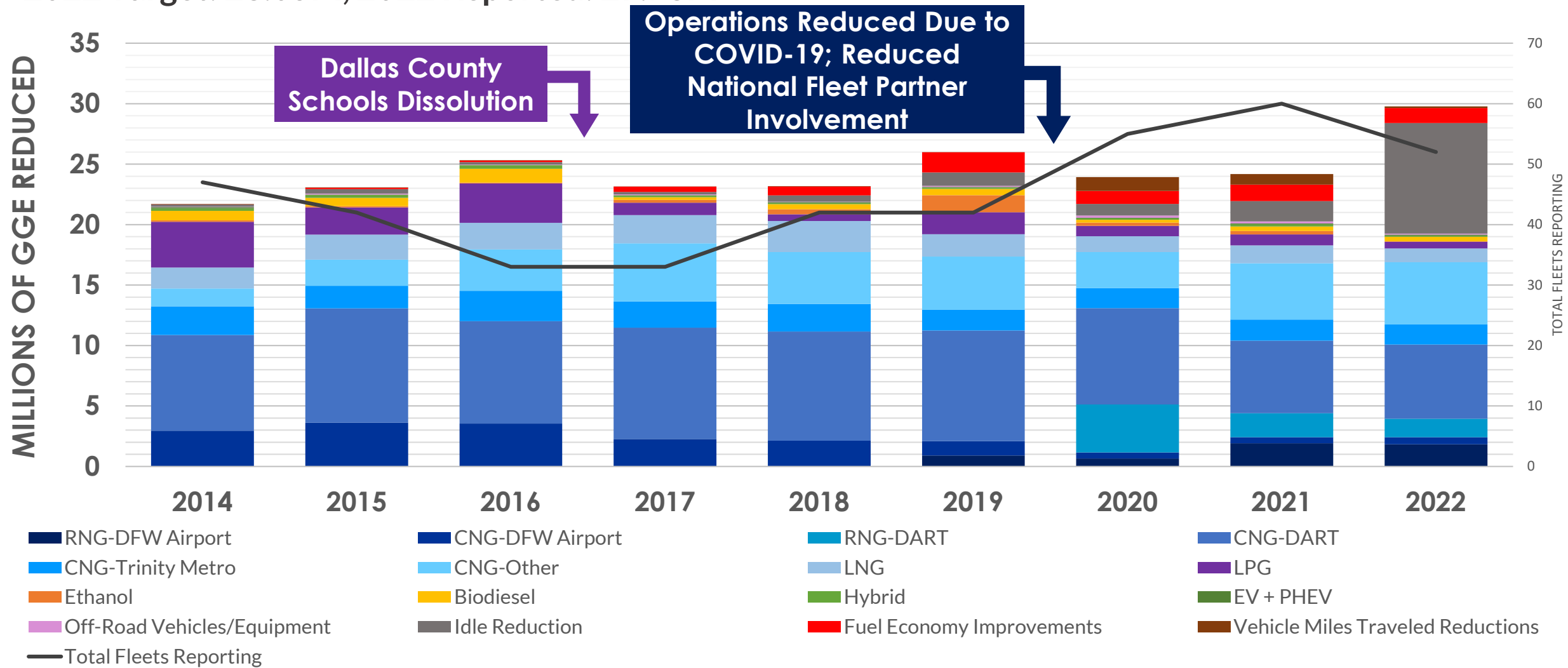


RNG- Renewable Natural Gas; CNG- Compressed Natural Gas; LNG-  
Liquified Natural Gas; LPG- Liquified Petroleum Gas  
<https://www.dfwcleancities.org/annualreport>

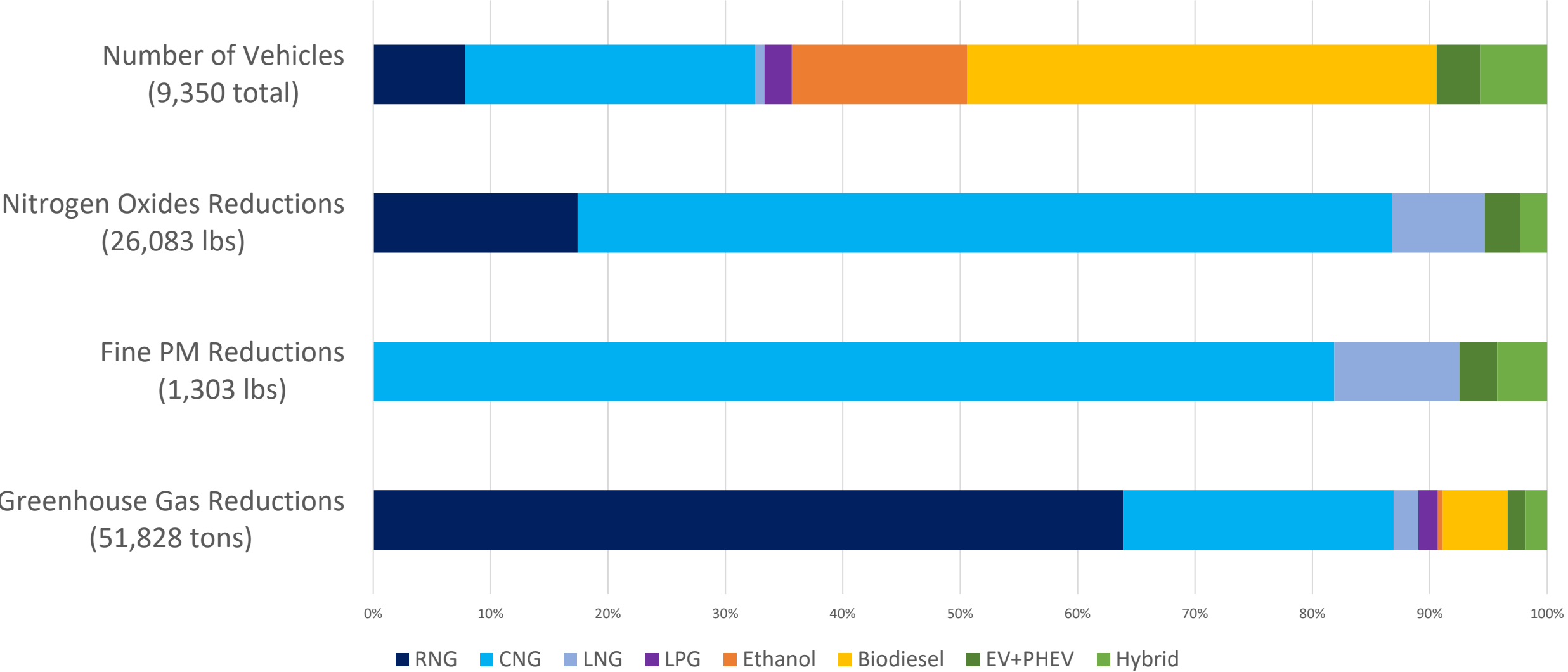


# Trends in Annual Energy Impact

Department of Energy Goal: Increase GGE Reductions 16% Year Over Year  
2022 Target: 28.05M, 2022 Reported: 29.78M



# Impact of Various Fuel Types



RNG- Renewable Natural Gas; CNG- Compressed Natural Gas; LNG- Liquefied Natural Gas; LPG- Liquefied Petroleum Gas; EV- Electric Vehicle; PHEV-Plug-In Hybrid Electric Vehicle

# 2023 Fleet Challenge



# Fleet Challenge

Organization	2021 Fleet Challenge Goal	2022 Fleet Challenge Achievements
Cedar Hill ISD	Add 2 propane buses to fleet	Added 2 propane buses in 2022
City of Frisco	Increase overall fleet fuel economy by 5%	Fuel usage reduced by 8%
City of Mesquite	Increase overall fleet fuel economy by 5%	Fuel usage reduced by 10%
Tarrant County	Increase Flex Fuel vehicles in fleet	Added 38 E85 vehicles in 2022
Town of Addison	Reduce fuel usage by 5%	Fuel usage reduced by 13%

# 2023 Shining Stars

# Air Quality Champion (NOx & PM)



Increased NOx reduction by 68lbs



**CARROLLTON**  
TEXAS

Increased NOx reduction by 256lbs

## Shining Stars





# Alternative Fuel Champion



Added 13 AFVs



Added 3 EVs



## Shining Stars



# Greatest Showcase of Efficiency Strategies



Moved to smaller, hybrid vehicles



Completed an analysis on Idle Reduction

## Shining Stars



# New Clean Fleet Adoptee



# 2023 Fleet Recognition Awards



# Recognition Criteria

To be considered for fleet recognition, your fleet must have adopted the Clean Fleet Policy or similar [nctcog.org/fleetpolicy](http://nctcog.org/fleetpolicy)

Partnership with DFWCC	Emissions Reduction	Fuel Consumption Reduction
20 Points Maximum	55 Points Maximum	25 Points Maximum
Attendance at DFWCC Events/Webinars	Amount and Composition of On-Road and Non-Road Alternative Fuel Vehicles	Overall Fleet Efficiency Improvements Smaller Vehicles, Lightweight Materials, etc.
Presenting, Speaking, or Participating as a Panelist at Any DFWCC Sponsored Event/Webinar	Implementation and Enforcement of Idle Reduction Policy	Practices to Reduce Vehicle Miles Traveled
General Involvement with DFWCC	Time Idling Reduced	

# Bronze Fleet Winners



# City of Coppell

Top 10  
Reducer of  
NOx & PM

Casey McCaughan,  
Fleet Services Manager

- Strong Efforts to Reduce Idling through Driver Training and Signage



# Town of Addison

**Rob Bourestom,**  
Director of Asset Management  
and Special Projects

- Outstanding Partnership with DFWCC
- Continued Involvement on EVs
- Efforts to Reduce Idling through Driver Training and Signage





# City of Watauga

**Kevin Voight,**  
Fleet Supervisor

**Paul Hackleman,**  
Director of Public Works

- First Time Adoptee of Alternative Fuels
- Efforts to Reduce Fuel Consumption through Lightweight Materials and Idling Policy



# Bimbo Bakeries USA INC

**Todd Wisniewski,**

Fleet Manager

**Eric McCann,**

Director of Fleet Operations

- Outstanding Partnership with DFWCC
- Efforts to Reduce Idling
- Acquired an Electric Terminal Tractor



# Weatherford College

**Penny Garcia,**  
Fleet Manager

- Efforts to Reduce Idling through Signage
- Use of Electric On-Road Equipment



# City of Richardson

**Ernie Ramos,**  
Fleet & Materials Manager  
**Dylan Sylvester,**  
Financial Analyst

- Strong Partnership with DFWCC
- Efforts to Reduce Fuel Consumption through Telematics





# Tarrant County

**Joylee Russell**

Director Fleet Management

- Efforts to Reduce Emissions
- Efforts to Reduce Fuel Consumption through Reducing Vehicle Miles Traveled



# City of Grapevine

**Rick Burckhard,**  
Fleet Manager

- Strong Partnership with DFWCC
- Efforts to Reduce Fuel Consumption through Reducing Vehicle Miles Traveled and Fuel Economy Improvements



# Silver Fleet Winners



# City of Mesquite

**Jonathan Harrison,**  
Manager of Equipment  
Services

- Strong Partnership with DFWCC
- Strong Efforts to Reduce Fuel Consumption and Emissions through Idling Policy





# Trinity Metro

Top 5 & 10  
Reducer of  
NOx/PM &  
GHGs

## Bill Lambert, Director of Maintenance

- Strong Partnership with DFWCC
- Continued Commitment to Alternative Fuels
- Efforts to Reduce Idling



# City of Irving

Top 5  
Reducer of  
GHGs

**Debbie Jackson,**  
Fleet Business Operations Manager  
**Larry Spain,**  
Fleet Maintenance Manager



- Outstanding Partnership with DFWCC
- Impressive Efforts to Reduce Emissions and Fuel Consumption



# Denton County

Top 10  
Reducer of  
NOx & PM

**Michelle Brewer,**  
Chief Administration –  
County Administration

**Holly Sadlowski,**  
Chief Administration – County Judge

- Strong Efforts to Reduce Fuel Consumption through Reducing Vehicle Miles Traveled and Fuel Economy Improvements



# City of Arlington

Top 10  
Reducer of  
GHGs

**Al Mantell**, Fleet Manager  
**Jason Abair**, Fleet Coordinator

- Outstanding Partnership with DFWCC
- Diverse Alternative Fuel Inventory
- Efforts to Reduce Fuel Consumption



# City of Denton

Top 10  
Reducer of  
GHGs

**Dustin Rolfe,**  
Fleet Superintendent  
**Tiffany Stricklan,**  
Senior Business Analyst

- Outstanding Partnership with DFWCC
- Diverse Alternative Fuel Inventory
- Efforts to Reduce Emissions





# City of Grand Prairie

Top 5  
Reducer of  
GHGs

**Jose M. Ortiz,**  
Fleet Services Superintendent

- Outstanding Partnership with DFWCC
- Strong efforts to Fuel Consumption through Telematics and Idling Policy



# City of North Richland Hills

Top 10  
Reducer of  
NOx & PM

**Zane Ryan,**  
Fleet Manager  
**Gereal Hogue,**  
Fleet Superintendent



- Strong Partnership with DFWCC
- Efforts to Reduce Fuel Consumption through Fuel Economy Improvements and Idling Policy



# City of Southlake

**Tim Slifka,**

**Purchasing Manager**

**Sharen Jackson, CFO**



- Outstanding Partnership with DFWCC
- Continued Commitment to Alternative Fuels
- Efforts to Reduce Fuel Consumption



# Gold Fleet Winners



# DFW International Airport

Top 5  
Reducer of  
NOx, PM, &  
GHGs

**Douglas Warren,**  
Vehicle Fleet Programs Manager  
**Laiken Baker,**  
Sustainability Analyst



- Outstanding Partnership with DFWCC
- Continued Commitment to Alternative Fuels
- Additional Electric Buses





# Dallas Area Rapid Transit

Top 5  
Reducer of  
NOx, PM, &  
GHGs

**Theresa Smith**, Manager,  
Warranty and Maintenance Services

**Huy Nguyen**, Manager,  
Bus Fleet Engineering

- Diverse Alternative Fuel Inventory
- Outstanding Partnership with DFWCC
- Additional Electric Bus



# City of Frisco

**Daniel Ford,**  
Director of Administrative Services  
**David McBurnett,** Fleet Manager

- Outstanding Partnership with DFWCC
- Strong Efforts to Reduce Fuel Consumption
- Additional Electric Off-Road Equipment

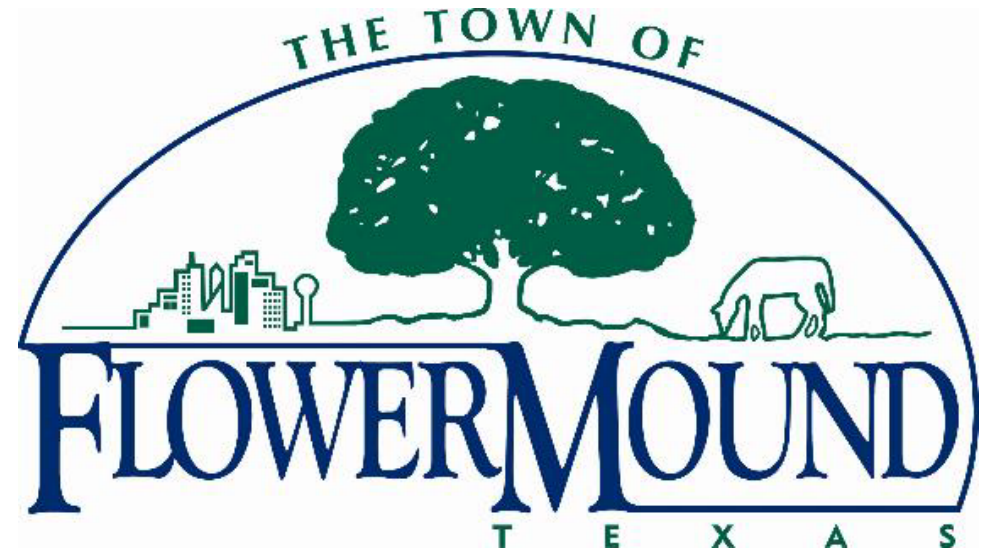


# Town of Flower Mound

Top 10  
Reducer of  
NOx & PM

## Billy Sterner, Fleet Services Manager

- Outstanding Partnership with DFWCC
- Impressive Efforts to Reduce Fuel Consumption through Reducing Vehicle Miles Traveled and and Lightweight Materials



# City of Lewisville

**David Fruth, Fleet Operations  
Supervisor**

**Francis Mascarenhas,  
Internal Services Manager**

- Outstanding Partnership with DFWCC
- Impressive Efforts to Reduce Fuel Consumption through Idling Policy and Fuel Economy Improvements
- Diverse Alternative Fuel Inventory



**LEWISVILLE**

Deep Roots. Broad Wings. Bright Future.



# City of Carrollton

Top 5  
Reducer of  
NOx & PM

**Dwayne Bianco,**  
Director of Fleet and Facilities

**LD Berry,**  
Fleet and Facilities Manager

- Additional Electric Vehicles
- Outstanding Partnership with DFWCC
- Strong Efforts to Reduce Fuel Consumption



**CARROLLTON**  
T E X A S





# City of Dallas

Top 5  
Reducer of  
GHGs, NOx, &  
PM

**Jimmy Solis,**

Fleet Asset Manager

**Gabe Medina,**

Fleet Operations Analyst

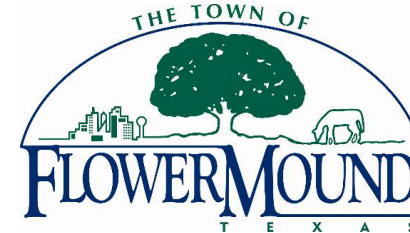
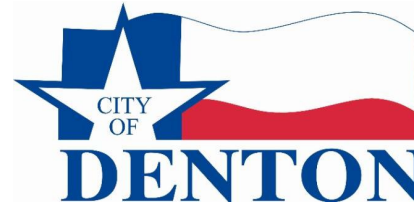
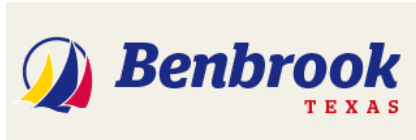
- Outstanding Partnership with DFWCC
- Impressive Efforts to Reduce Fuel Consumption and Idling
- Diverse Alternative Fuel Inventory



**City of Dallas**



# 🏆 A Decade of Annual Reporting (2012-2022) 🏆



# 2023 Annual Survey

# 2023 Annual Survey

## 2023 Annual Survey Available in January 2024

### Things to Remember:

- Recognition Requires Clean Fleet Policy Adoption
- Tell Us Your Project Interests – Especially for Grant Funding
- Fleet Challenge Goals Must be Quantifiable for Recognition
- Complete All Survey Sections – Reach Out to Us for Help

[dfwcleancities.org/annualreport](https://dfwcleancities.org/annualreport)

# CONTACT US



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Dallas-Fort Worth  
CLEAN CITIES



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