

The logo for FleetCon features the words "fleet" and "CON" in a bold, black, sans-serif font. The text is positioned to the right of a stylized graphic element consisting of a thick, black, curved line that tapers at both ends, resembling a swoosh or a stylized letter 'C'. A dashed yellow line follows the inner curve of this black swoosh, starting from the top left and ending at the bottom right. The entire logo is set against a white background within a yellow-bordered square.

**fleet  
CON**

# **Dallas-Fort Worth Clean Cities**

Clean Vehicle Initiatives in  
North Central Texas

Presented By RMFMA/FleetPros

Hosted By The Texas Chapter

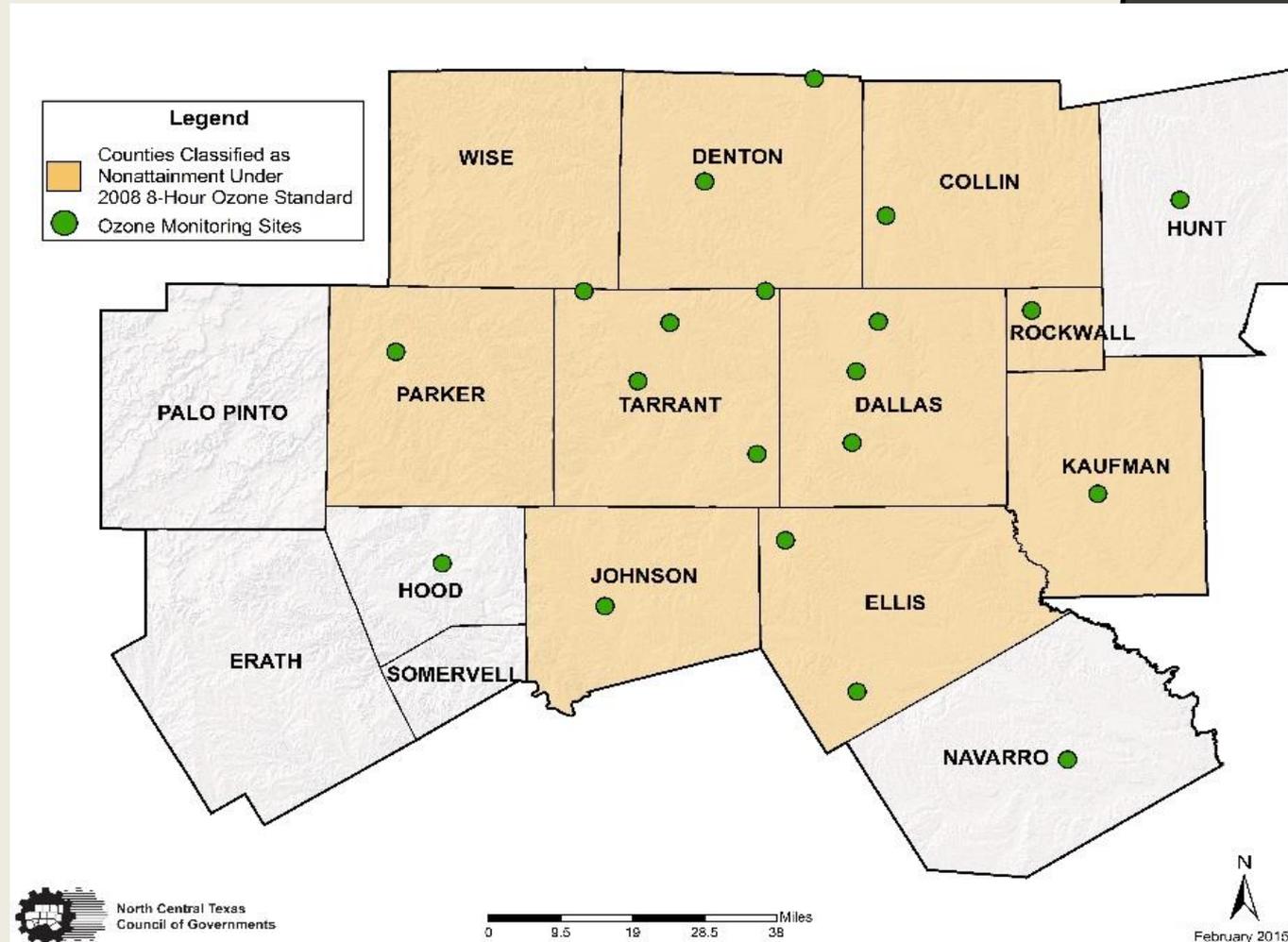
## NCTCOG Role

Council of Governments

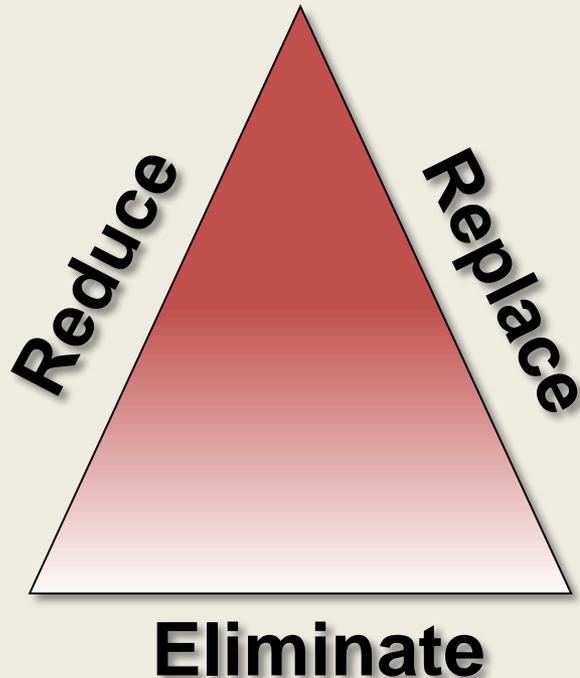
Metropolitan Planning Organization

Dallas-Fort Worth Clean Cities Coalition (DFWCC)

### NCTCOG Service Area



## About Clean Cities

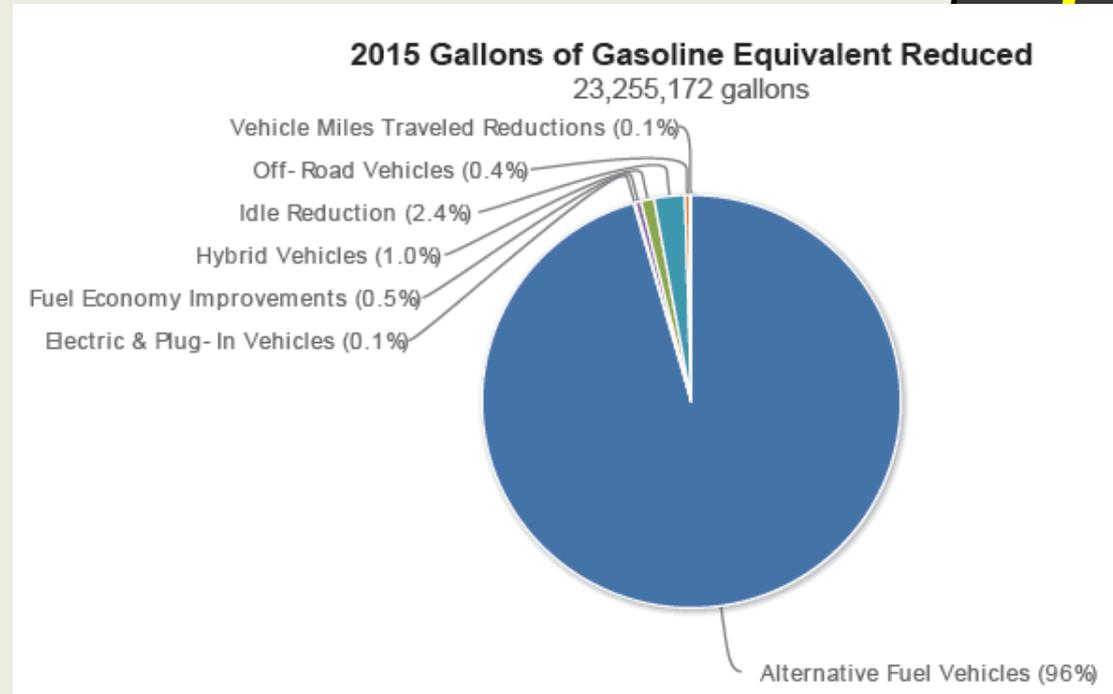


- Created by the Energy Policy Act of 1992
- Nearly 90 locally based coalitions
- Strategies:
  - Reduce
  - Replace
  - Eliminate



## Clean Cities Goals

1. Facilitate Deployment of Alternative Fuel Vehicles
2. Increase use of Fuel Blends
3. Accelerate Sales of Hybrid Electric Vehicles
4. Promote Informed Consumer Choice on Fuel Economy
5. Encourage Use of Idle Reduction Technologies



Dallas-Fort Worth  
CLEAN CITIES



U.S. Department of Energy

# Clean Cities Locations

## Clean Cities Coalitions

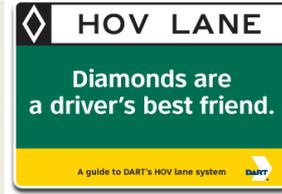
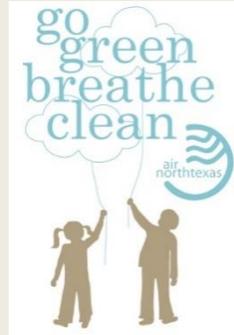


\* Connecticut Clean Cities Include:  
 - Norwich  
 - New Haven  
 - Connecticut Southwestern Area  
 - Capitol Clean Cities (Hartford area)

Map Date: 04/12/16



## Examples of Local Efforts



# Key Dallas-Fort Worth Clean Cities Efforts

## Filling Critical Gaps Grant & Trainings

Funding from the U.S. DOE allows for the DFWCC to provide alternative fuel vehicle training to fire marshals, code officials, mechanics and technicians, and first responders. The trainings focus on issues related to biofuels, compressed natural gas, propane, and electricity, while also addressing critical training needs in a multi-state area in the south central U.S.

### Compressed Natural Gas Fuel System Inspector Training

Today, there are more than 2.5 million natural gas vehicles in use. They use compressed natural gas (CNG) cylinders that require periodic inspection and create a demand for certified professionals to physically inspect these systems and regulate CNG safety.

As part of a grant from the Department of Energy, the Dallas-Fort Worth Clean Cities and the National Alternative Fuel Training Consortium (NAFTC) are hosting a CNG vehicle and infrastructure training course.

Taught by professional NAFTC instructors, this two-day course will prepare participants to:

- safely install CNG components to NFPA 52 code
- recognize unsafe, damaged, and deteriorated vehicles and infrastructure
- understand regulations needed to install CNG components on a conversion
- develop a working knowledge of the types of issues that can occur for pressure relief devices, different types of cylinders, and fuel system components
- learn material in preparation for the CSA Fuel System Inspector Exam

**Who:** CNG technicians, system installers, safety and fleet supervisors, and risk management staff

**Where:** Fire Training Research Center  
1530 W 27th  
DFW Airport, TX 75261

**When:** Tuesday, October 4 and  
Wednesday, October 5  
8 am - 5 pm

**Cost:** \$15 per trainee with lunch provided

Register at: [csrtc.nctcog.org](http://csrtc.nctcog.org)



## Electric Vehicles North Texas

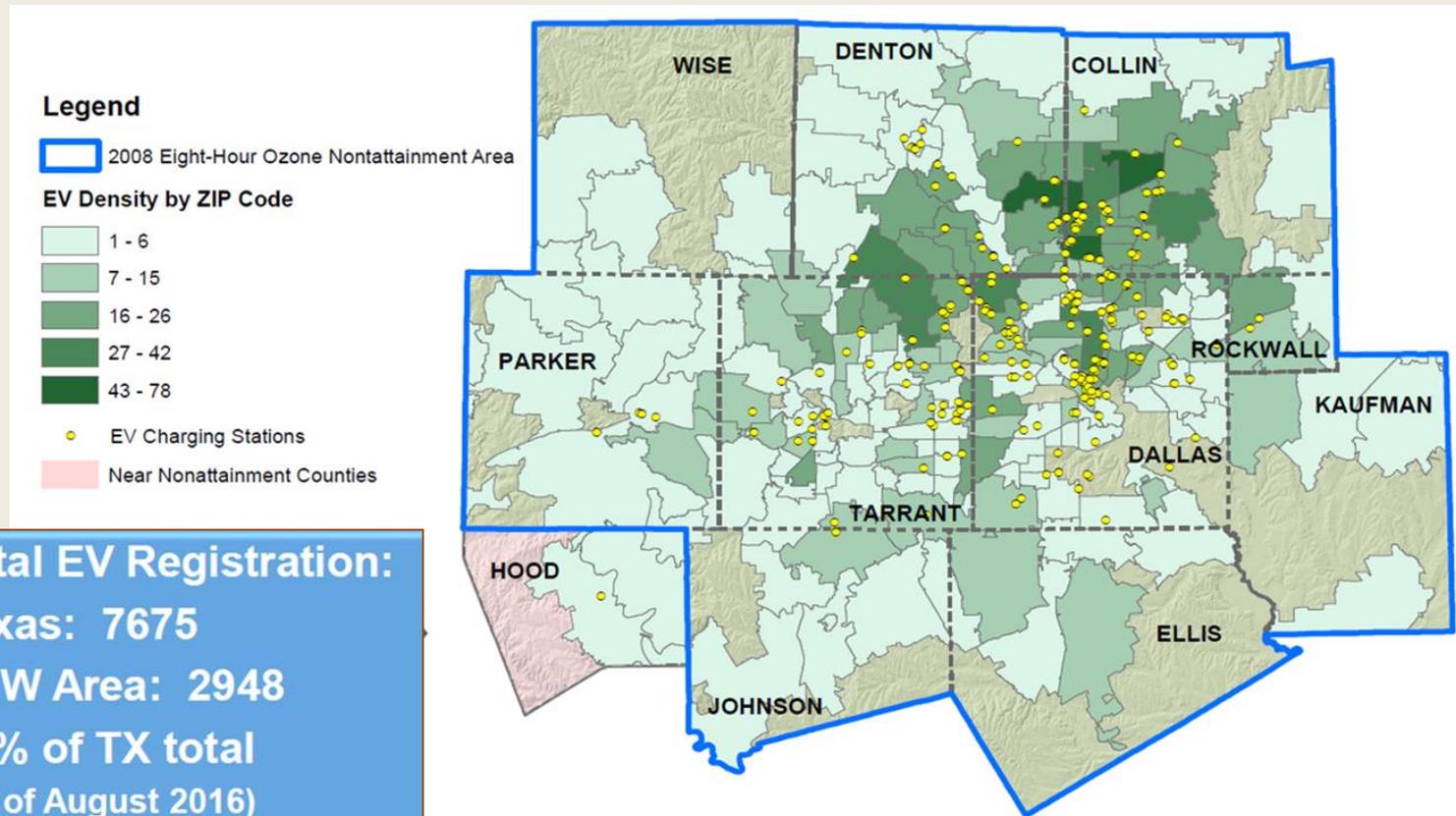
### Electric Vehicles North Texas (EVNT) Initiatives and Focus Areas

- **Promote** Electric Vehicle (EV) Adoption and EV Readiness (Infrastructure, Policy)
- **Evaluate** EV Registration Data with Infrastructure Sites
- **Engage** Local Businesses in Workplace Charging Challenge
- **Develop** Marketing/Educational Materials
- **Host** National Drive Electric Week Events
- **Create** Region-Specific Fact-Sheets
- **Monitor** Local Interest-Group Activities
- **Raise** Awareness - #TexasEV



## Electric Vehicles North Texas

### North Texas EV Registration and Infrastructure Distribution



August 2016

Source: NCTCOG

# Electric Vehicles North Texas

*Join us for*

[www.dfwcleancities.org/ndew](http://www.dfwcleancities.org/ndew)

#texasEV

## NATIONAL DRIVE ELECTRIC WEEK

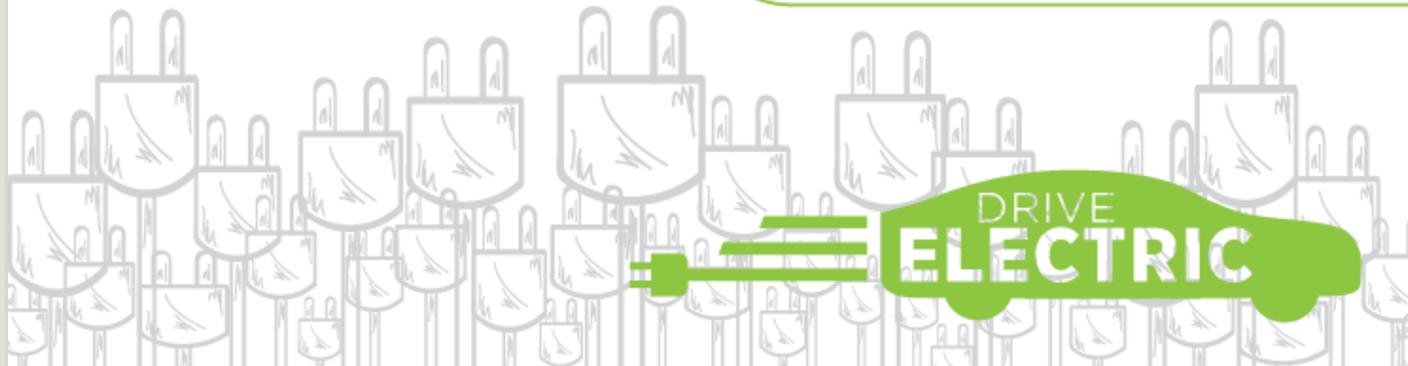
 Saturday, September 17, 2016  
10 am - 2 pm

 Grapevine Mills Mall  
3000 Grapevine Mills Pkwy  
Grapevine, TX 76051

 Activities, entertainment, giveaways,  
ride & drives, and much more!

*Learn how you can drive electric  
at the largest gathering of EVs in  
North Texas!*

*Calling all EV owners: come show  
off your electric vehicle! #texasEV*



# **Clean Fleet Policy**

- 1. Reduce Emissions  
Implement an Idle-Reduction Policy/Standard  
Operating Procedure (SOP)**
- 1. Reduce Overall Fuel Consumption**
- 2. Partner With NCTCOG and DFWCC  
Become a DFWCC Stakeholder**
- 3. Ensure Drivers/Operators and Fleet Personnel are  
Familiar with Air Quality and Petroleum Reduction  
Goals**

# Clean Fleet Policy Adoption

## **Adoption Requirements**

**Adopt Clean Fleet Policy**

**Implement an Idle Reduction Policy/SOP**

**Become a DFWCC Stakeholder**

**Report Annually**

## **Resources to Facilitate Adoption and Implementation**

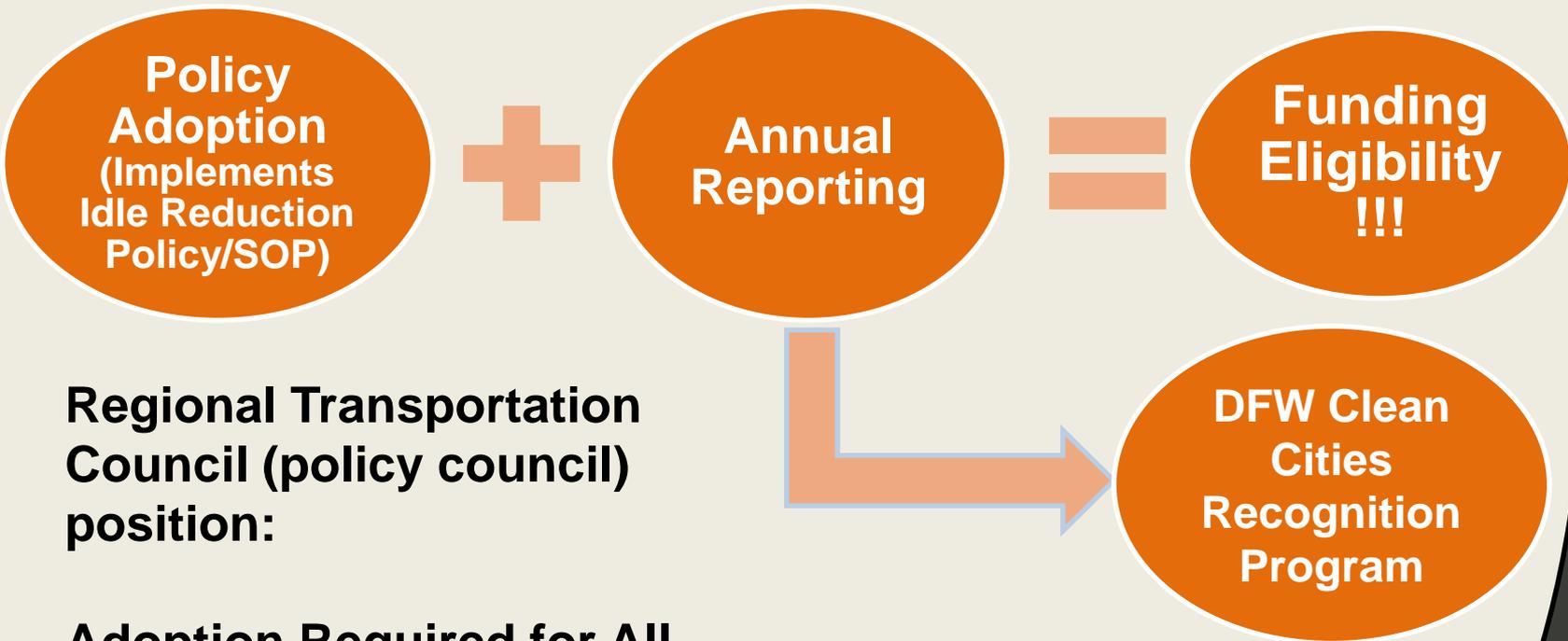
**Clean Fleet Policy Template**

**Clean Fleet Policy Guidance**

**Idle Reduction Policy/SOP Template**

**[www.nctcog.org/fleetpolicy](http://www.nctcog.org/fleetpolicy)**

# Importance of Clean Fleet Policy Adoption

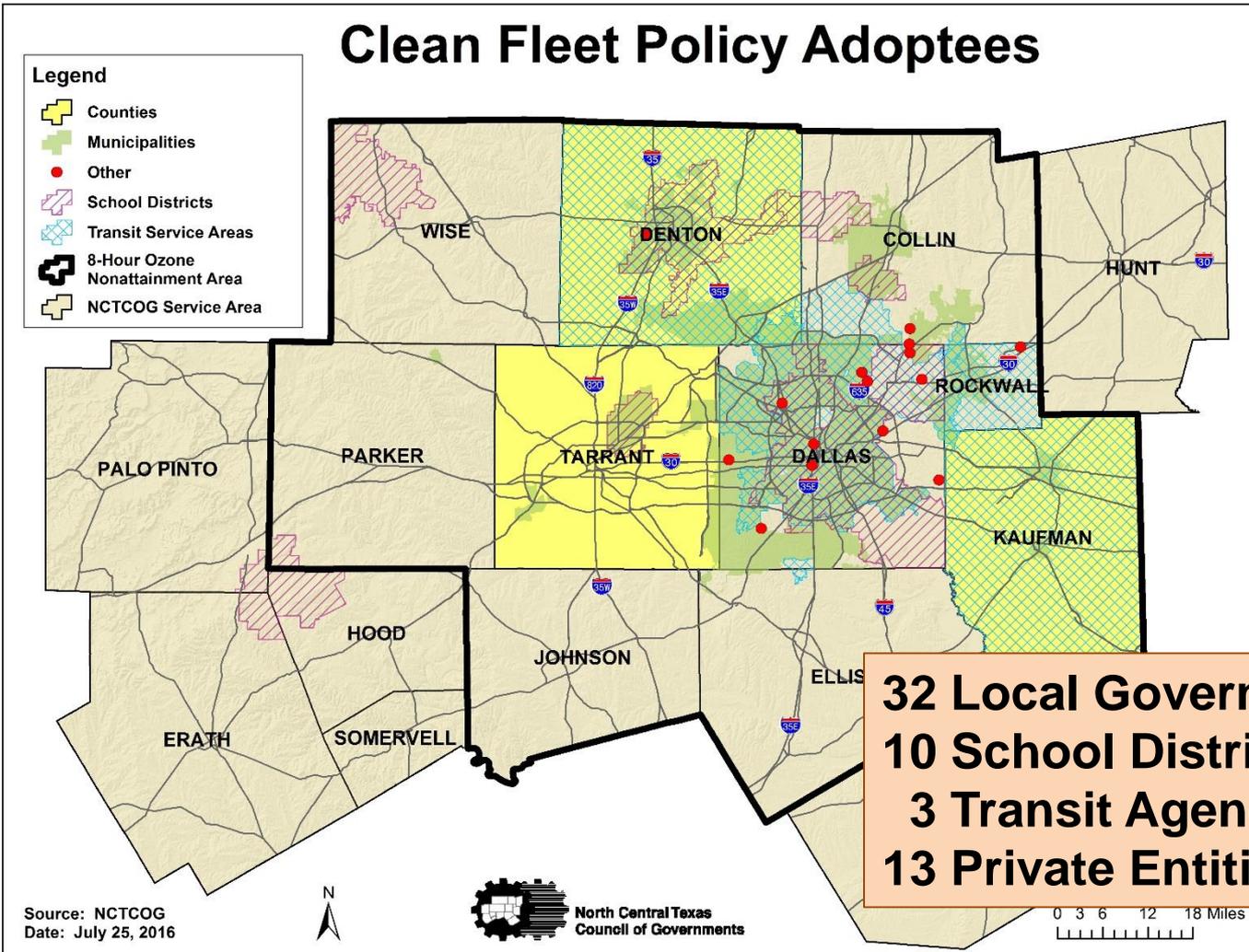


**Regional Transportation Council (policy council) position:**

**Adoption Required for All Vehicle Funding**

**Adoption Considered for Other Funding**

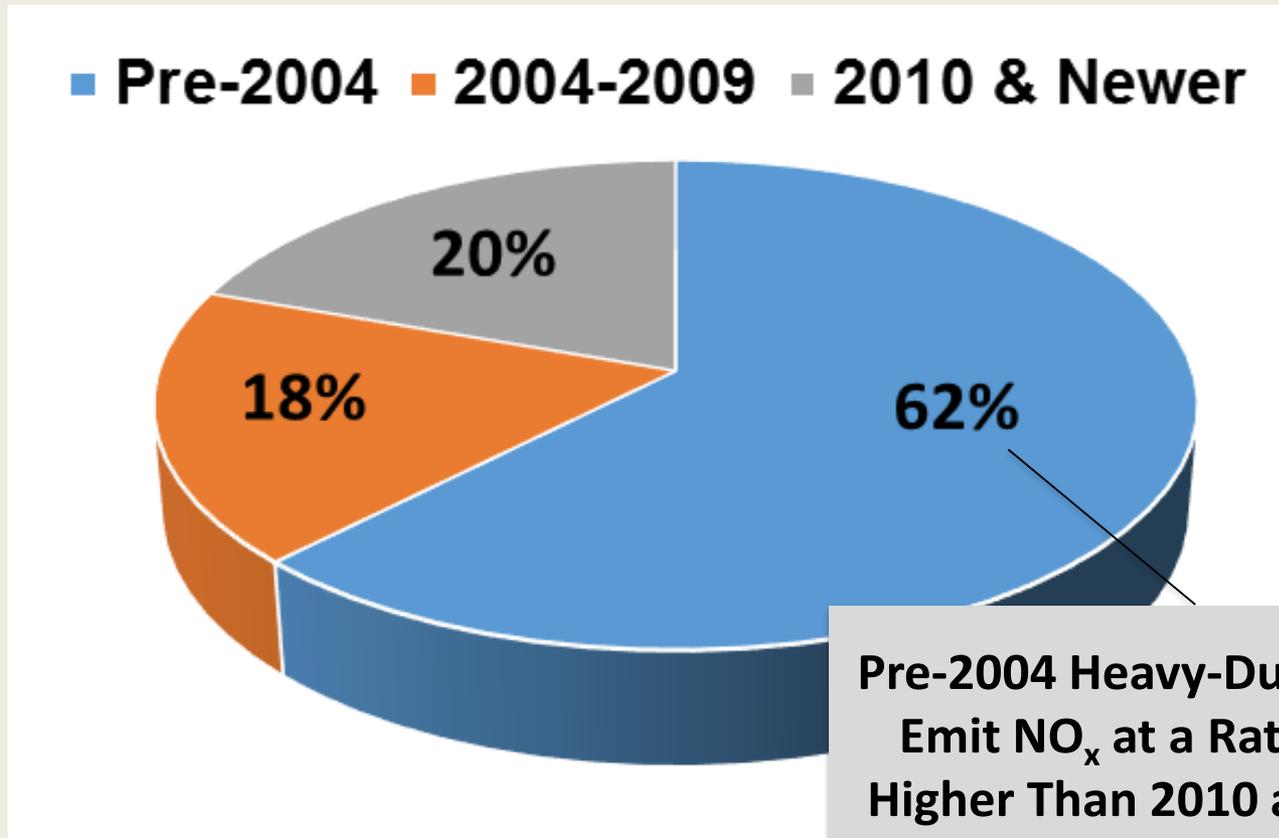
## Clean Fleet Policy Adoptees



# Funding Initiatives and Grant Tips

# Why Is Funding Important?

## Age Distribution of Registered Heavy-Duty Vehicles in Dallas-Fort Worth Region



**Pre-2004 Heavy-Duty Vehicles  
Emit NO<sub>x</sub> at a Rate 2,000%  
Higher Than 2010 and Newer  
Vehicles**

# **NCTCOG Air Quality Emphasis Areas**

**High-Emitting Vehicles/Equipment**

**Low Speeds**

**Idling**

**Vehicle Miles of Travel**

**Energy and Fuel Use**

**Cold Starts**

**Hard Accelerations**

## Fleets for the Future (F4F)

- **National** partnership between regional councils, Clean Cities coalitions, and industry leaders.
- **Dedicated** to advancing fuel-efficient vehicle technologies through targeted outreach, education, and deployment of best practices.
- **Coordinates** regional and national scale procurement initiative designed to consolidate bulk orders of alternative fuel vehicles.
- **Focuses** on reducing the incremental costs of alternative fuel vehicles and supporting infrastructure.
- **Creates** best practices and templates on vehicle procurement strategies and policies.



## F4F National Partnership

### Regional Planning Council Partners

- **Mid-America Regional Council, Kansas City, MO**
- Metropolitan Washington COG, Washington, DC
- Metropolitan Area Planning Council, Boston, MA
- North Central Texas COG, Dallas/Fort Worth, TX
- Pima Association of Governments, Tucson, AZ

### Clean Cities Coalitions

- **Metropolitan Energy Center /Kansas City Regional Clean Cities**
- Clean Communities of Central New York
- Dallas-Fort Worth Clean Cities Coalition
- Greater Washington Region Clean Cities Coalition
- Massachusetts Clean Cities Coalition
- Tucson Regional Clean Cities Coalition
- Utah Clean Cities
- Western Washington Clean Cities
- Clean Fuels Ohio

### Industry and Technical Partners

- **Meister Consultants Group, Inc.**
- Electrification Coalition
- Yborra & Associates, LLC
- ICM, Inc.
- Propane Education & Research Council



## F4F National Partnership



**Mid-America Regional Council (MARC)**

- Greater Kansas City: 1.8 million
- Mo. and Kan. bi-state: 8.842 million

**Metropolitan Washington COG (MWCOG)**

- District of Columbia: 4.7 million
- Suburban Md., northern Va.: 14.376 million

**Metropolitan Area Planning Council (MAPC)**

- Greater Boston: 4.732 million
- Mass. 6.547 million

**North Central Texas Council of Governments (NCTCOG)**

- Dallas-Fort Worth: 6.603 million
- Texas: 25.145 million

**Pima Association of Governments (PAG)**

- Tucson: 980,263
- Ariz.: 6.392 million

**Clean Cities Coalition outreach areas:**

- New York, Ohio, Utah, Washington



## F4F Goals

- **Facilitate Deployment of Alternative Fuel Vehicles**
  - **Cut Petroleum Use**
  - **Minimize Emissions**
  - **Save on Fuel Costs**
  - **Reduce Dependence on Foreign Exports**
- **Decrease the Cost of Alternative Fuel Vehicles**



## F4F Regional and National Scale

- Approach
  - Five Regional and One National-scale Procurement Initiatives
  - Best Practices and Templates
- Technologies of Focus
  - Propane
  - Electric
  - Natural Gas
  - Bio-diesel/Ethanol
  - Related Infrastructure



## F4F Regional and National Scale

- **Establish Working Groups and Network of Stakeholders**
- **Assess Current Procurement Processes**
- **Identify Target Alternative Fueled Vehicle Types**
- **Develop and Implement Cooperative Procurement Initiatives**
  - **Utilize Best Practices, Templates Framework**
  - **Explore Options to Combine Vehicles With Infrastructure Development**



## F4F Schedule

Milestone	Estimated Timeframe
Establish Working Groups	August 2016
Assess Current Procurement Processes	Fall 2016
Identify Priority Vehicles & Specifications	Fall 2016
Develop Procurement Strategy	Winter 2016/2017
Facilitate Cooperative Purchases	Spring 2017 - 2018



## Propane Council of Texas (PROCOT): Propane Vehicle Incentives for Texas

### Funding Offered to Purchase New Propane-Powered Vehicle or Convert Existing Vehicles to Propane

- **Eligibility – Private Fleets**  
(Business or Non-Profit with 3 or More Vehicles)
- **Funding Levels – Up to \$7,500 Per Vehicle**
  - \$30,000 Perpetual Cap Per Fleet
- **Deadline – Ongoing**



## Texas Emissions Reduction Plan (TERP)

Program	Next Planned Grant Round	Grant Funds Available	Workshops at NCTCOG Offices
Clean Transportation Triangle Program and Alternative Fueling Facilities Program	<b>NOW ACCEPTING APPLICATIONS!</b>	<b>\$5.9 Million</b>	<b>9/15/2016, 12:00p – 4p</b>
Drayage Truck Incentive Program	<b>Fall 2016</b>	<b>\$4.7 Million</b>	<b>None scheduled</b>
Emissions Reduction Incentive Grants	<b>Fall 2016</b>	<b>\$51.7 Million</b>	<b>11/17/2016, 8:30a-4:30p (General Session) 12/15/2016, 8:30a-4:30p (Application Session)</b>
New Technology Implementation Grants	<b>NOW ACCEPTING APPLICATIONS!</b>	<b>\$3.5 Million</b>	<b>None scheduled</b>
Rebate Grants	<b>Spring 2017</b>	<b>\$10 Million</b>	<b>None scheduled</b>
Texas Clean Fleet Program	<b>NOW ACCEPTING APPLICATIONS!</b>	<b>\$5.9 Million</b>	<b>9/20/2016, 1:30p-5p</b>
Texas Clean School Bus Program	<b>NOW ACCEPTING APPLICATIONS!</b>	<b>\$5.9 Million</b>	<b>None scheduled</b>
Texas Natural Gas Vehicle	<b>NOW ACCEPTING</b>	<b>\$27.8 Milli</b>	<b>N</b>

## TEXAS EMISSIONS REDUCTION PLAN (TERP): CLEAN TRANSPORTATION TRIANGLE (CTT) ALTERNATIVE FUELING FACILITIES PROGRAM (AFFP)

### Funding to Build, Own, and Operate Alternative Fuel and/or Natural Gas Fueling Stations

- **Eligibility – Individuals, Businesses, and Governmental Entities**
  - **CTT Program**
    - Natural Gas Fueling Stations in CTT-eligible Counties
    - Eligible Fuels: CNG, LNG
    - Funding: Up to \$600,000
  - **AFFP Program**
    - Facilities to Store, Compress, or Dispense Alternative Fuel in Nonattainment Areas of Texas
    - Eligible Fuels: Biodiesel, Hydrogen, Methanol, Natural Gas, Propane, and Electricity
    - Funding: 50% of Eligible Costs, Up to \$600,000
  - **\$17.7 Million Available**
  - **Publicly Available Stations Only**
- **Deadline: November 8, 2016**

## TEXAS EMISSIONS REDUCTION PLAN (TERP): DRAYAGE TRUCK INCENTIVE PROGRAM (DTIP)

### Funding For the Replacement of Older Drayage Trucks

- **Eligibility – Own or Lease Eligible Truck For Two Years**
  - Heavy-Duty Drayage Truck (GVWR > 26,000 lbs)
  - Yard Truck With Engine > 125 HP
  - Operates at Eligible Seaports and Class I Rail Yards in Nonattainment Areas
  - Operated Truck Average of 200 Visits Per Year for Preceding Two Years
  
- **Funding Levels – Up to 80% of Incremental Cost for Replacement**
  - \$4.7 Million Available
  
- **Expected to Open in Fall 2016**

## TEXAS EMISSIONS REDUCTION PLAN (TERP): EMISSIONS REDUCTION INCENTIVE GRANTS (ERIG)

Funding to Purchase, Replace, Retrofit/Add-On  
On-Road Vehicles, Non-Road Equipment, Stationary  
Equipment

- **Eligibility – Public or Private Organizations, Individuals, Governments, School Districts or any other Legal Entity**
  - On-Road Heavy-Duty Vehicles (GVWR > 8,500 lbs)
  - Heavy-Duty Non-Road Equipment (Engine > 25 hp)
  - Stationary Equipment, On-Vehicle Electrification and Idle Reduction Infrastructure
  - Operates Vehicle/Equipment Primarily in Eligible Counties
  - New Vehicle/Engine Must Emit at Least 25% Less NO<sub>x</sub>
- **Funding Levels – Up to 80% of Incremental Cost for Replacement**
  - \$51.7 Million to be Awarded
- **Expected to Open in Fall 2016**

## TEXAS EMISSIONS REDUCTION PLAN (TERP): NEW TECHNOLOGY IMPLEMENTATION GRANT PROGRAM (NTIG)

### Funding to Implement New Technologies to Reduce Emissions of Regulated Pollutants From Point Sources

- **Eligibility – Owner of a Facility Located in Texas**
  - **Project Categories**
    - **Advanced Clean Energy**
      - **Project Must Involve the Use of Coal, Biomass, Petroleum Coke, Solid Waste, or Fuel Cells**
    - **New Technology**
      - **Project Must Reduce Emissions of Regulated Pollutants From Point Sources**
    - **Electricity Storage**
      - **Project Must Have Rated Power of One MW or Greater**
- **Funding Levels – Up to 50% of Implementation Costs**
- **Deadline: October 18, 2016**

## TEXAS EMISSIONS REDUCTION PLAN (TERP): REBATE GRANTS PROGRAM

### Simplified Grant Program to Replace or Repower Diesel Heavy-Duty Vehicles and Equipment

- **Eligibility – Public or Private Organizations, Individuals, Governments, School Districts or any other Legal Entity**
  - Diesel On-Road Heavy-Duty Vehicles (GVWR > 8,500 lbs)
  - Select Non-Road Equipment (Engine > 25 hp)
  - Part of Funds Will Be Set Aside for Small Businesses
  - Operates Vehicle/Equipment At Least 75% in Eligible Counties
  - New Vehicle/Engine Must Emit at Least 25% Less NO<sub>x</sub>
- **Funding Levels – \$10 Million to be Awarded**
- **Expected to Open in Spring 2017 – First-Come,First-Served**

## TEXAS EMISSIONS REDUCTION PLAN (TERP): TEXAS CLEAN FLEET PROGRAM (TCFP)

### Funding Offered to Replace Diesel Heavy-Duty and Light-Duty Vehicles With Alternative Fuel and Hybrid Vehicles

- **Eligibility – Public or Private Organizations, Individuals, Governments, School Districts or any other Legal Entity**
  - Fleets of 75+ On-Road Vehicles in Texas
  - Replace at Least 20 Existing On-Road Diesel Vehicles With Eligible Hybrid or Alternative Fuel Vehicles
    - Diesel On-Road Heavy-Duty Vehicles (GVWR > 8,500 lbs)
    - Diesel On-Road Light-Duty Vehicles (GVWR < 10,000 lbs)
  - New Vehicle/Engine Must Emit at Least 25% Less NO<sub>x</sub>
  - Alternative Fuels: Electricity, CNG, LNG, Hydrogen, LPG, 85% Methanol
- **Funding Levels – Up to 80% of the Total Cost for Replacement**
  - \$5.9 Million to be Awarded
- **Deadline: October 18, 2016**

## TEXAS EMISSIONS REDUCTION PLAN (TERP): TEXAS CLEAN SCHOOL BUS PROGRAM

### Funding Offered to Reduce Emissions of Diesel Exhaust From School Buses

- **Eligibility – Public School Districts and Charter Schools**
  - School Buses With Engine Model Year 2006 or Older
  - Eligible Retrofit Systems:
    - Closed Crankcase Filtration System
    - Diesel Particulate Filters
    - Diesel Oxidation Catalyst
- **Funding Levels – Maximum Amount of Funding Requested is Not Limited**
- **Deadline: November 1, 2016 - First-Come, First-Served**

## TEXAS EMISSIONS REDUCTION PLAN (TERP): TEXAS NATURAL GAS VEHICLE GRANT PROGRAM (TNGVGP)

**Funding Offered for Replacement or Repower of Existing Diesel or Gasoline Vehicle or Engine with Natural Gas Vehicle or Engine**

- **Eligibility – Public or Private Organizations, Individuals, Governments, School Districts or any other Legal Entity**
  - **On-Road Heavy-Duty and Medium-Duty Vehicles (GVWR > 8,500 lbs)**
  - **Diesel or Gasoline Powered Vehicles**
  - **Applicants Must Apply Through a Participating Dealer**
  - **New Vehicle/Engine Must Emit at Least 25% Less NO<sub>x</sub>**
- **Funding Levels – Reimbursement Up to 90% of Incremental Cost**
  - **\$37.8 million to be awarded for the 2016-2017 biennium**
- **Deadline – First-Come, First-Served until May 26, 2017**

## Grant Tips

### Responsiveness

- **Be Prepared**
- **Consider Funding Agency Priorities**
- **Be Specific and Complete**

### Project Justification

- **Demonstrate Needs**
- **Show Cost-Effective Emissions Reductions**
- **Provide Technical Details**

### Applicant Qualifications

- **Demonstrate Partnerships and Abilities**
- **Highlight Complementary Efforts and Past Success**

## Grant Tips

### Stay “In the Know”

- [www.nctcog.org/aqfunding](http://www.nctcog.org/aqfunding)
- [www.terpgrants.org](http://www.terpgrants.org)
- [www.grants.gov](http://www.grants.gov)

Transportation and Air Quality Funding Resources

Grant programs that address air quality, such as clean vehicle projects, are available from a number of Federal, State, local, and private sources. This site provides links to various current and recurring grant opportunities and incentives for clean technology and infrastructure projects. This information is helpful once you have received grant funding through NCTCOG.

Looking for Grant Funding?

**North Texas Airport Emissions Reduction 2016 Call for Projects**

Vehicle Funding Opportunities

Other Air Quality Funding Opportunities

Funding Opportunity Archive

Sign-Up for Email Updates

Already received Grant Funding from NCTCOG?

Agreements & Forms

Usage Reporting

	Eligible Focus Areas							Eligible Applicant Type
	Construction Equipment	Lawn and Garden Equipment	Rail Transport	Research and Development	Refueling Infrastructure	Energy Efficiency	Public Education/Training	
Click the links below for a program description and relevant dates and details.								
<a href="#">The Climate Trust Programs</a>						X		Public Sector, Private Sector, General Public
<a href="#">Database of State Incentives for Renewables and Efficiency (DSIRE)</a>						X		Public Sector, Private Sector, General Public
<a href="#">Propane Council of Texas (ProCOT) Commercial State Propane Incentive Mower Program</a> <b>Deadline: First Come, First Served</b>		X						Public Sector, Private Sector
<a href="#">Propane Mower Incentive Program</a>		X						
<a href="#">Rural Energy for America Program (REAP)</a>						X		Private Sector
<a href="#">State Energy Conservation Office (SECO) LoanSTAR Pilot Program</a> <b>Deadline: November 15, 2016 2pm CT. Reviewed First Come, First Served</b>						X		Public Sector

# For More Information

**Pamela Burns**  
**DFW Clean Cities Coordinator**  
**Communications Supervisor**  
**817-704-2510**  
**[pburns@nctcog.org](mailto:pburns@nctcog.org)**

## **Websites**

**[www.energy.gov/cleancities](http://www.energy.gov/cleancities)**

**[www.nctcog.org/airquality](http://www.nctcog.org/airquality)**

**[www.dfwcleancities.org](http://www.dfwcleancities.org)**