



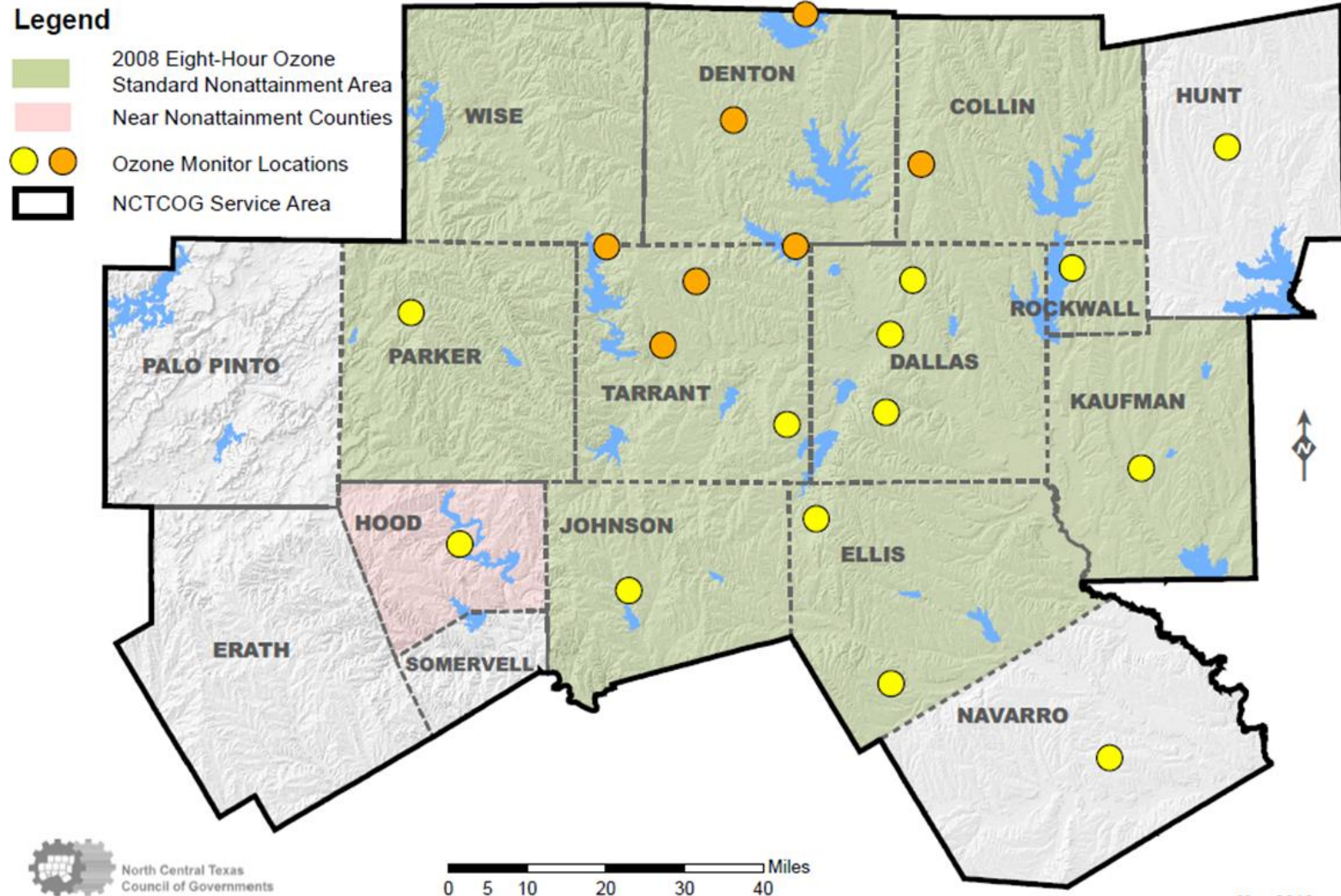
# FINANCIAL INCENTIVES FOR AIR QUALITY PROGRAMS

## RESOURCE CONSERVATION COUNCIL

LORI CLARK  
JULY 21, 2016

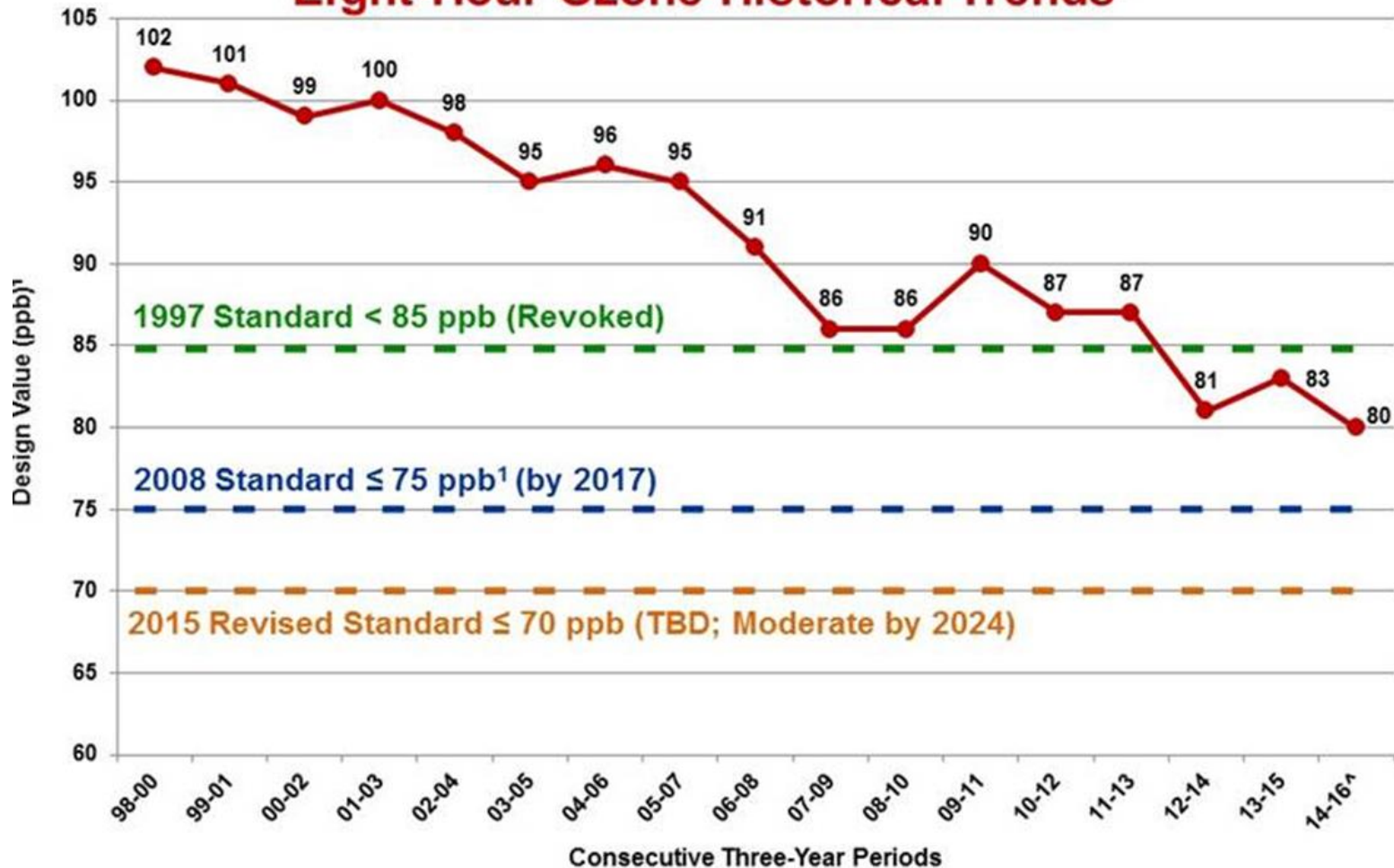
# NORTH CENTRAL TEXAS AIR QUALITY

## 10 Counties are Nonattainment for Ground-Level Ozone



# NORTH CENTRAL TEXAS AIR QUALITY

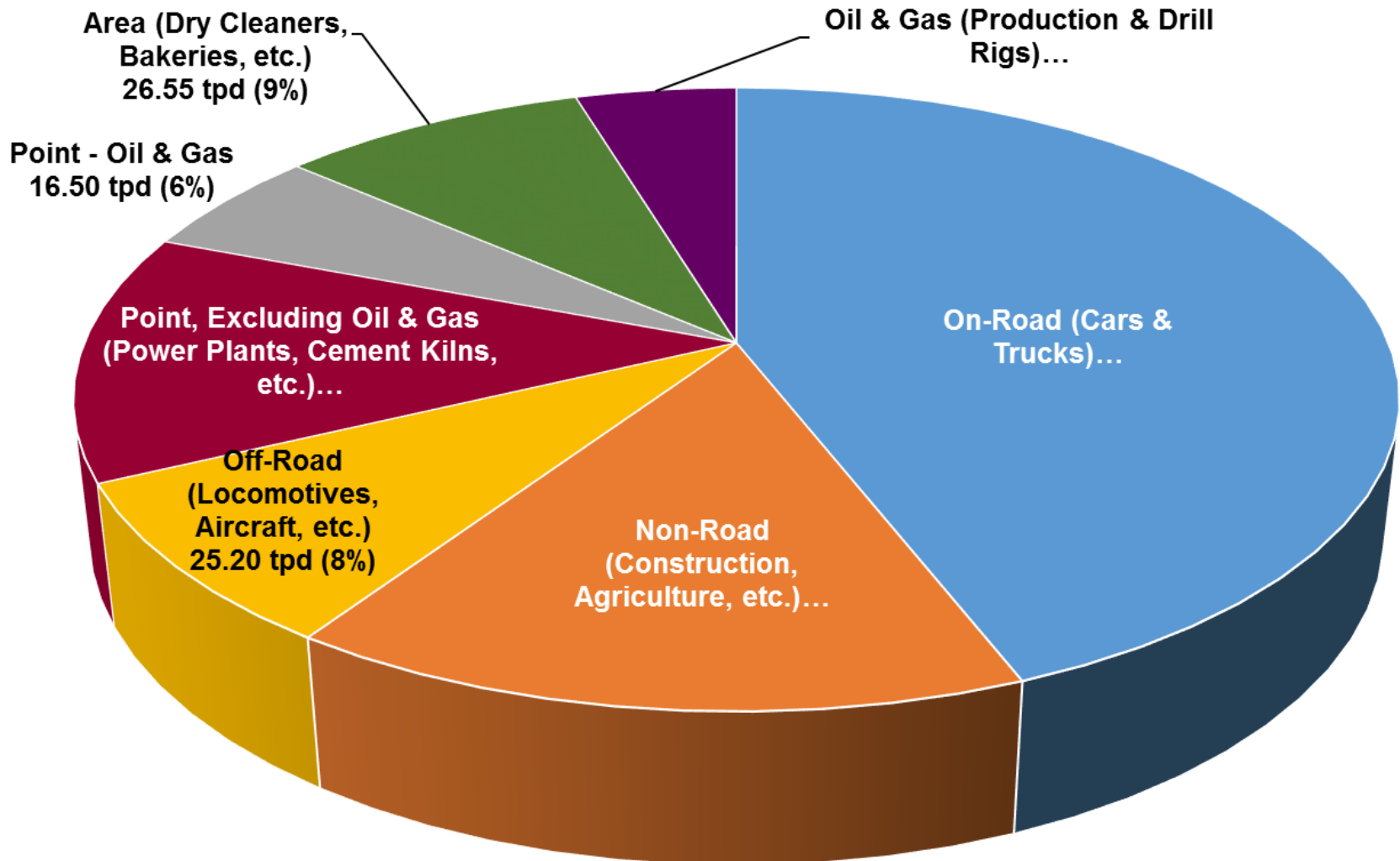
## 2016 OZONE SEASON Eight-Hour Ozone Historical Trends



Attainment 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).  
<sup>a</sup> at a full year of data, current as of 7/04/2016

# NORTH CENTRAL TEXAS AIR QUALITY

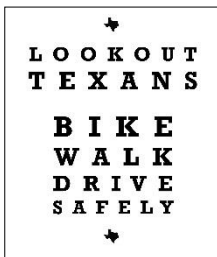
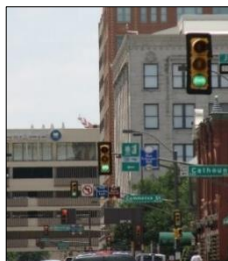
## Estimated 2017 Nitrogen Oxides (NO<sub>x</sub>) Emission Inventory



# SAMPLE OF ON-ROAD INITIATIVES



Rideshare. Record. Reward.



northcentral.texas.clean.school.bus.program



# DALLAS-FORT WORTH CLEAN CITIES COALITION

## Goals:

**Facilitate Deployment of Alternative Fuel Vehicles**

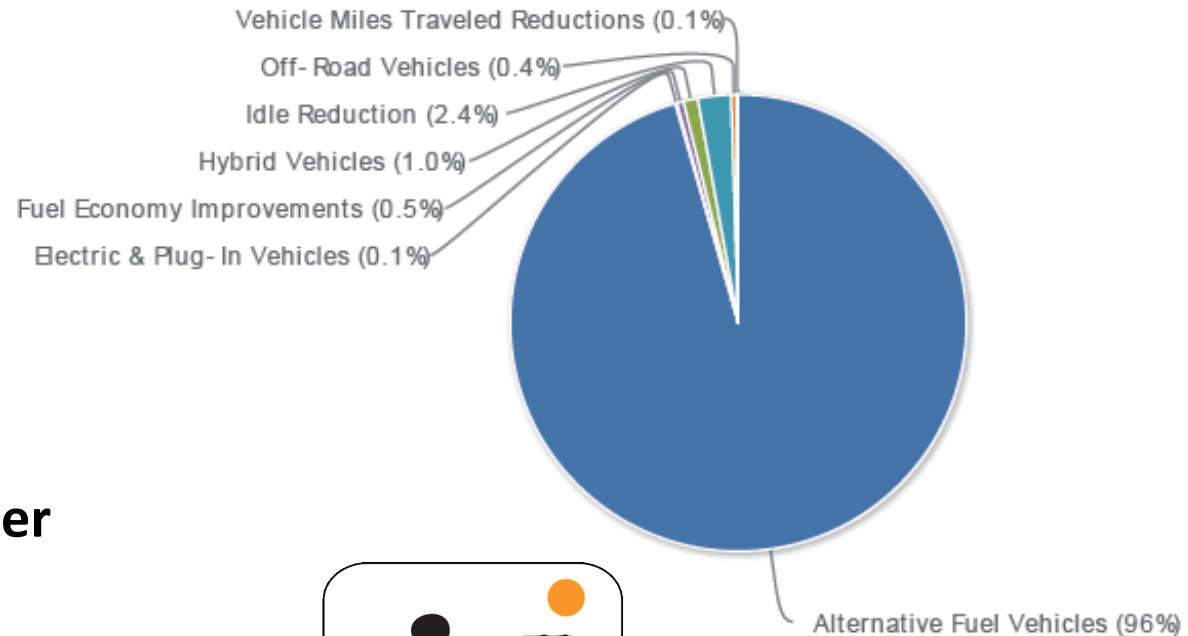
**Increase use of Fuel Blends**

**Accelerate Sales of Hybrid Electric Vehicles**

**Promote Informed Consumer Choice on Fuel Economy**

**Encourage Use of Idle Reduction Technologies**

**2015 Gallons of Gasoline Equivalent Reduced**  
23,255,172 gallons



**Dallas-Fort Worth  
CLEAN CITIES**

# AGGREGATED ALTERNATIVE TECHNOLOGY ALLIANCE:

## FLEETS FOR THE FUTURE



**Aggregated Alternative Technology Alliance**



- **National** partnership between regional councils, Clean Cities coalitions, and industry leaders led by the National Association of Regional Councils.
- **Coordinates** five regional and one national scale procurement initiative designed to consolidate bulk orders of alternative fuel vehicles, advanced vehicle technologies, and refueling or charging infrastructure.
- **Focuses** on reducing the incremental costs of propane, electric, natural gas, and bio-fuels/E85 powered vehicles and supporting infrastructure.
- **Creates** best practices and templates on alternative fuel usage and related infrastructure, as well as vehicle procurement strategies and policies.
- **Dedicated** to advancing fuel-efficient vehicle technologies to decrease petroleum consumption through targeted outreach, education and deployment of best practices.



## 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



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

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

**Metropolitan Washington COG (MWCOCG)**

- 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



## Who is NARC?

- The **National Association of Regional Council** serves as the national voice for regionalism by advocating for regional cooperation as the most effective way to address a variety of community planning and development opportunities & issues.
- NARC's member organizations are composed of **multiple** local governments that work together to serve communities – large and small, urban & rural. Members include: regional Councils, regional planning and development agencies, & Metropolitan Planning Organizations.



## The Regional Approach

- RPCs foster communication, coordination & collaboration among & across member jurisdictions in a politically **neutral** setting.
- RPCs are aware of the **specific** needs, challenges, or other special considerations of member jurisdictions, they are **uniquely** suited to provide customized tools or technical assistance.
- RPCs are natural conveners and bring a **multiplier** effect through their ability to reach large numbers of communities and build networks, thus expediting the distribution of resources and best practices.



## Proven Best Practices

- The best practices & templates will focus on propane, electric, and natural gas vehicles, bio-diesel/ethanol, usage & application, & related infrastructure, as well as, vehicle procurement strategies, & policies.
- The best practices framework is a proven delivery method to encourage varying regions to work together, with consistent strategies & policies.
- It allows each region the flexibility to select what best practice and/or template to be used or modified to meet the needs of member jurisdictions.



## Why Alternative Fuels?

- Alternative fuels allow drivers and fleet managers to cut petroleum use, minimize emissions, and save on fuel costs with alternative fuel and advanced technology vehicles.
- Alternative fuels are produced almost entirely in the US, thereby reducing dependence on foreign exports and creating a more stable energy market that is less susceptible to supply and price volatility.
- Alternative fuels offer air quality benefits and meet increasingly stringent emission and Corporate Average Fuel Economy standards.



## Next Steps

- Establish Priorities through Consultation with Working Group
  - Mark Brochtrup, City of Coppell
  - Lee Christensen, Texas Department of Transportation
  - Bennett Howell, City of Benbrook
  - Cheritta Johnson, City of Dallas
  - Terry Kader, City of Denton
  - Colin Owen, Central Freight Lines
  - Tim Slifka, City of Southlake
- Develop Custom Regional Procurement Initiative Based on Best Practices, Templates and Working Group Input
- Implement Regional Procurement Initiative



# fleets for the future

**Region Contact:** Lori Clark, [lclark@nctcog.org](mailto:lclark@nctcog.org)

Amy Hodges, [ahodges@nctcog.org](mailto:ahodges@nctcog.org)

**National Contact:** Taylor Markwith, [Taylor@NARC.org](mailto:Taylor@NARC.org)

**Website:** [www.NARC.org/F4F](http://www.NARC.org/F4F)

**Twitter:** @Fleets4Future



Acknowledgment: This material is based upon work supported by the Department of Energy, Office of Energy Efficiency and Renewable Energy (EERE), under Award Number DE-0007462.



# GRANT OPPORTUNITIES

[WWW.NCTCOG.ORG/AQFUNDING](http://WWW.NCTCOG.ORG/AQFUNDING)

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

Transportation and Air Quality Funding Resources

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

Print this page

### 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](#)

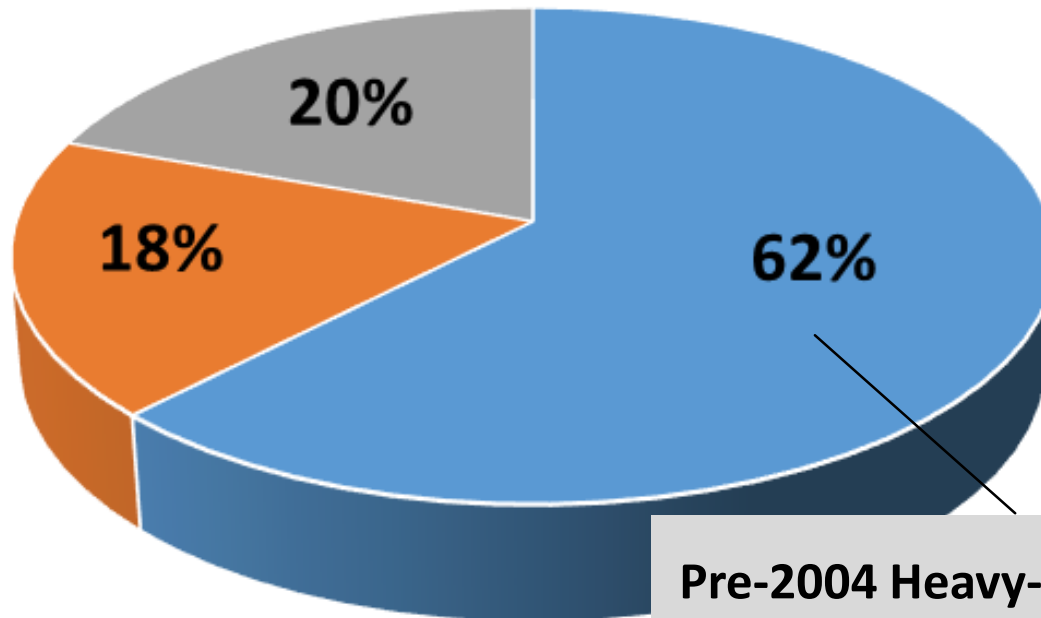
### Already received Grant Funding from NCTCOG?

[Agreements & Forms](#)      [Usage Reporting](#)

# NORTH CENTRAL TEXAS AIR QUALITY

## Age Distribution of Registered Heavy-Duty Vehicles\*

■ Pre-2004 ■ 2004-2009 ■ 2010 & Newer



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

# 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**



**PROPANE COUNCIL of TEXAS**

# TEXAS EMISSIONS REDUCTION PLAN (TERP)

Program	Next Planned Grant Round	Grant Funds Available	Workshops at NCTCOG Offices
Emissions Reduction Incentive Grants	Fall 2016	\$51.7 Million	10/25/2016, 8a-5p (General Session) 11/17/2016, 9a-5p (Application Help)
<b>Texas Natural Gas Vehicle Grant Program</b>	<b>NOW ACCEPTING APPLICATIONS!</b>	<b>\$37.8 Million</b>	<b>None scheduled</b>
Texas Clean Fleet Program	Fall 2016	\$5.9 Million	9/1/2016, 12p-4p
<b>Texas Clean School Bus Program</b>	<b>NOW ACCEPTING APPLICATIONS!</b>	<b>\$5.9 Million</b>	<b>None scheduled</b>
Drayage Truck Incentive Program	Fall 2016	\$4.7 Million	None scheduled
Rebate Grants	Spring 2017	\$10 Million	None scheduled
Clean Transportation Triangle Program and Alternative Fueling Facilities Program	Summer 2016	\$5.9 Million	9/15/2016, 12p-4p
<b>New Technology Implementation Grants</b>	<b>NOW ACCEPTING APPLICATIONS!</b>	<b>\$3.5 Million</b>	<b>None scheduled</b>

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# TEXAS EMISSIONS REDUCTION PLAN (TERP)

Program	Project Type	Fuel Type	Vehicle Type	Funding Level
Texas Natural Gas Vehicle Grant Program (TNGVGP)	Replace or Repower	Diesel/Gasoline to Natural Gas	Heavy-Duty, Medium-Duty	Up to 90%
Emissions Reduction Incentive Grants (ERIG)	Purchase, Replace, Retrofit/Add-On	Diesel to Any	Heavy-Duty	Up to 80%, or \$15,000 per ton, Whichever is Lower
Rebate Grants Program	Replace or Repower	Diesel to Any	Heavy-Duty	Varies Depending on Project
Texas Clean Fleet Program (TCFP)	Replace	Diesel to Alternative Fuel and Hybrid	On-Road Vehicles (Minimum 20 Vehicles)	Up to 80%


# CONTACT INFORMATION

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(817) 695-9232

 (817) 695-9249

 [www.terpgrants.org](http://www.terpgrants.org)

 [AQgrants@nctcog.org](mailto:AQgrants@nctcog.org)

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



**Dallas-Fort Worth  
CLEAN CITIES**