



DFW Clean Cities Annual Report and Fleet Opportunities Update

FleetPros – Texas Chapter

February 10, 2017

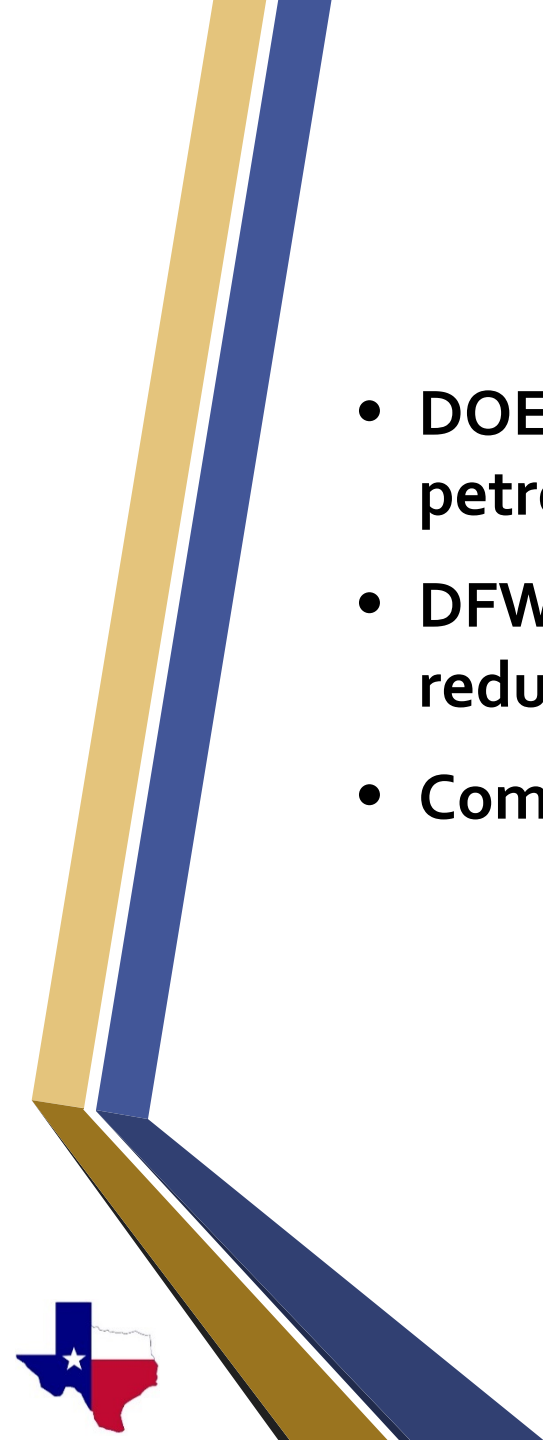
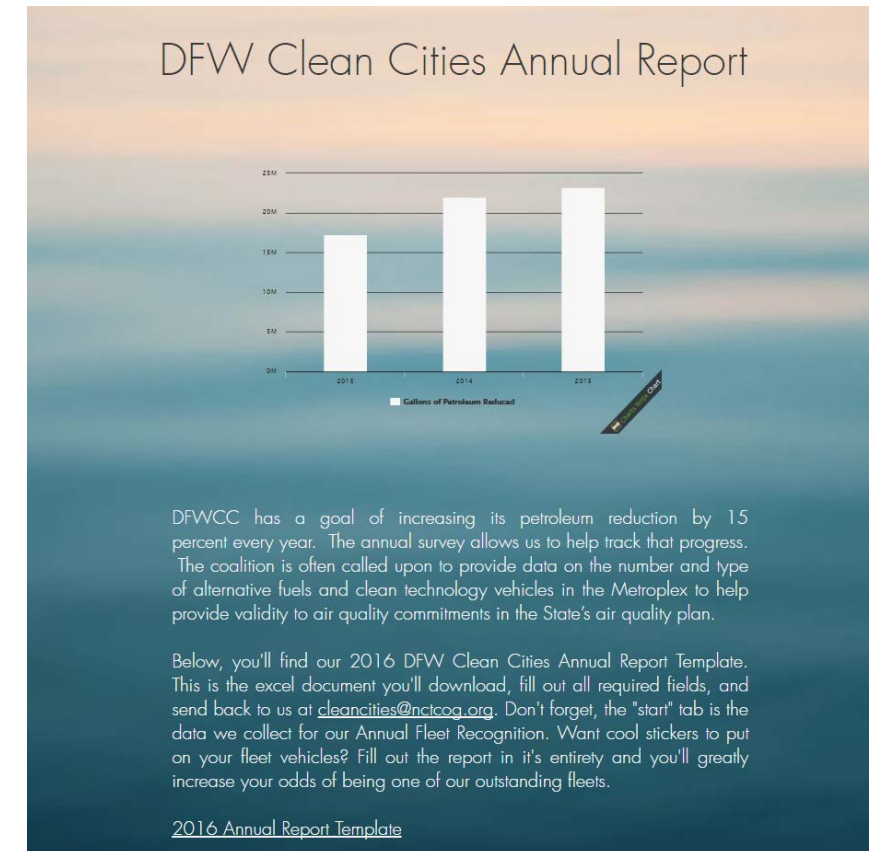
Mesquite, TX

Kenny Bergstrom & Bailey Muller
Communications Specialist Air Quality Planner



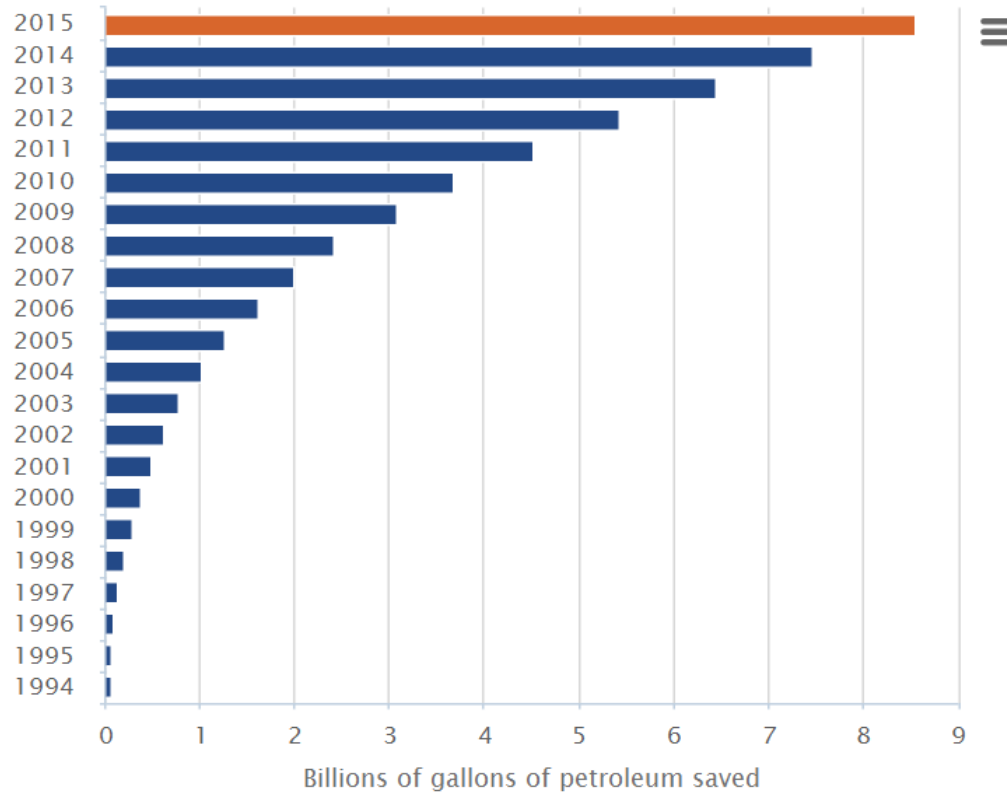
DFW Clean Cities Annual Report

- DOE goal to save 2.5 billion gallons of petroleum per year by 2020
- DFWCC goal to increase petroleum reduction by 15 percent every year
- Combined effort with Clean Fleet Policy



DFW Clean Cities Annual Report

Clean Cities Cumulative Petroleum Savings



Since its inception in 1993, Clean Cities has eliminated the need for more than 8.5 billion gallons* of petroleum through alternative fuel use, fuel economy improvements, idle-reduction measures, and other strategies.

Source: Clean Cities annual metrics reports

**Petroleum savings include both gasoline and diesel fuel. Savings are measured in gasoline-gallon equivalents (GGEs), representing a quantity of fuel with the same energy content as a gallon of gasoline.*



Clean Fleet Policy

A Policy to be Adopted by Fleet Operators in the Ten-County Ozone Nonattainment Area

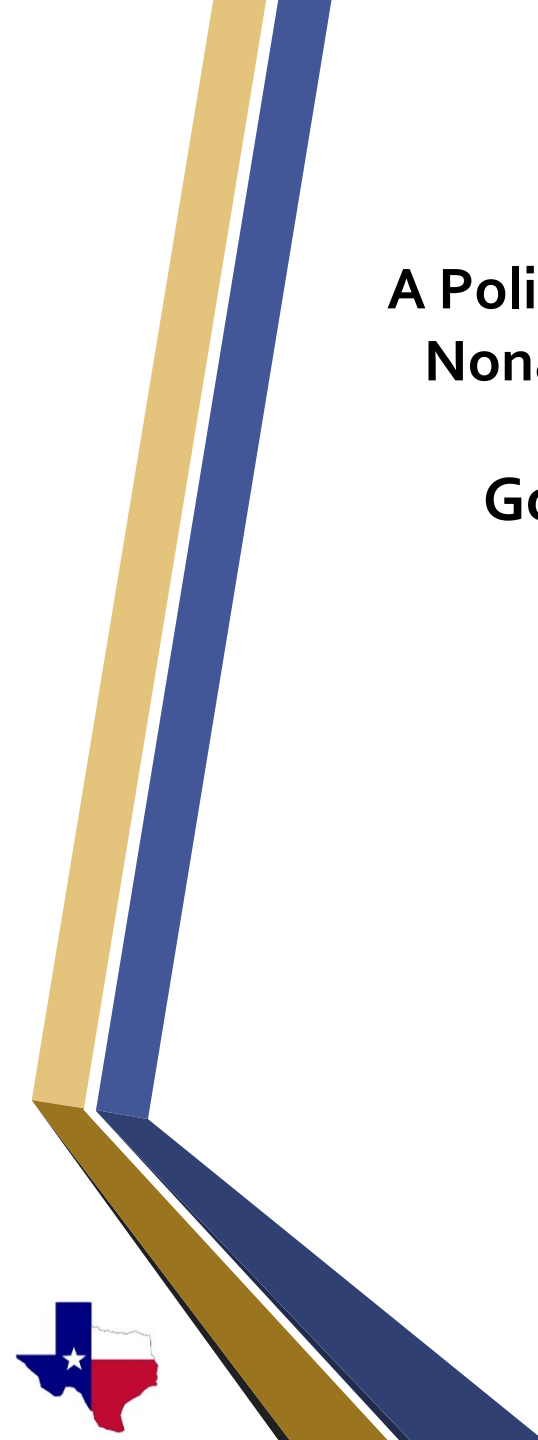
Goals:

Reduce Emissions from Fleet Activities

Reduce Overall Fuel Consumption, Particularly Use of Conventional Petroleum Fuels

Partner with NCTCOG and DFW Clean Cities

Ensure Drivers/Operators and Fleet Personnel are Familiar With Air Quality and Petroleum Reduction Goals



Clean Fleet Policy

Adopt Revised Clean Fleet Policy

Re-adopt Revised Policy if Adoptee of Old Policy
Submit Your Policy to NCTCOG

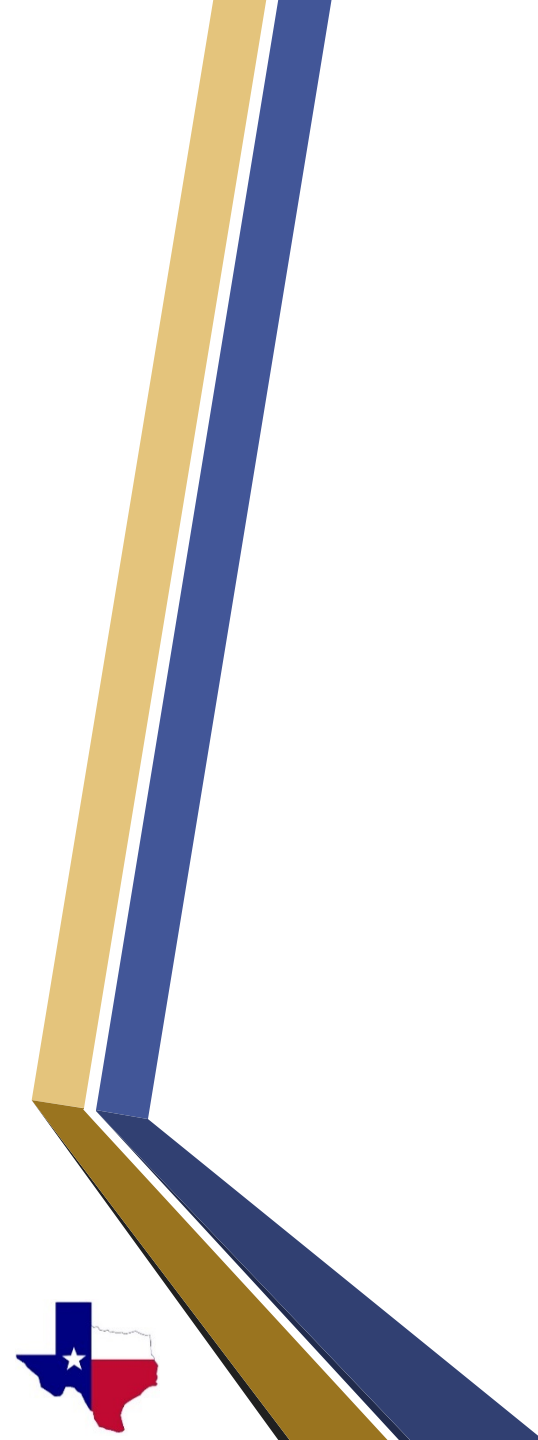
Complete Clean Fleet Policy Reporting

Required at the End of Each Calendar Year

Submit Idle Reduction Policy/SOP to NCTCOG

Become a Dallas-Fort Worth Clean Cities (DFWCC) Coalition Stakeholder

dfwcleancities.org/about/stakeholders/join.asp



Clean Fleet Policy

Resources to Facilitate Adoption and Implementation

Clean Fleet Policy Template

Clean Fleet Policy Guidance

www.nctcog.org/fleetpolicy



Alternative Fuel Vehicle Training

NAFTC First Responder Alternative Fuel Vehicle Safety Training

Monday, March 6

Firefighters

8:30 am - 5 pm

Register:

csrtc.nctcog.org/p-6580-naft.aspx

Tuesday, March 7

EMS & Law Enforcement

8:30 am - 3 pm

Register:

csrtc.nctcog.org/p-6581-naft.aspx

Cost: \$15

Lunch will be provided.

Addison Fire Department

4798 Airport Pkwy

Addison, TX 75001



As part of a grant from the Department of Energy, the Dallas-Fort Worth Clean Cities and the National Alternative Fuels Training Consortium (NAFTC) are hosting safety training courses that are designed to educate firefighters, EMS, and law enforcement personnel on properties and procedures when dealing with alternative fuel vehicles.

Certified NAFTC instructors will teach:

- properties and functions of alternative fuels
- how to identify the risks and hazards common to alternative fuel storage, including high-voltage batteries, high pressure gaseous fuel cylinders, and gaseous leak
- how to recognize alternative fuel vehicle components, vehicle operation, fueling, and charging
- how to identify risks involved with the transport and handling of alternative fuels
- the personal protective equipment necessary for firefighters, EMS, and law enforcement personnel when responding to an alternative fuel vehicle incident
- the steps required to secure an alternative fuel vehicle, rescuing occupants from a damaged alternative fuel vehicle, and proper fire response to an alternative fuel fire



Texas Emissions Reduction Plan (TERP)

Grant Opportunities



Coming Soon: Rebate Grants

Opening: Mid - February

Funding Details: Upgrade or Replace diesel on-road and select non-road. **Simplified application** compared to the ERIG. Funds allocated for small businesses, thus small businesses are encouraged to apply. Reimbursement on a **first come-first serve basis**

Drayage Truck Incentive Program (DTIP)

Deadline: May 26, 2017

Funding Details: Upgrade or replace older heavy-duty vehicles, non-road equipment that operate at seaport terminals or Class 1 Intermodal Rail Yards

Texas Natural Gas Vehicle Grant Program (TNGVGP)

Deadline: May 26, 2017

Funding Details: Replace or repower existing vehicles with natural gas equivalents

For More Air Quality Funding Opportunities Visit Our Site: www.nctcog.org/aqfunding



Volkswagen Settlement Update

Overview

Lawsuits against Volkswagen (Volkswagen, Audi, & Porsche) 2.0 and 3.0 liter diesel engine vehicles found to exceed the Environmental Protection Agency's (EPA) standard for emissions of Nitrogen Oxides (NO_x)

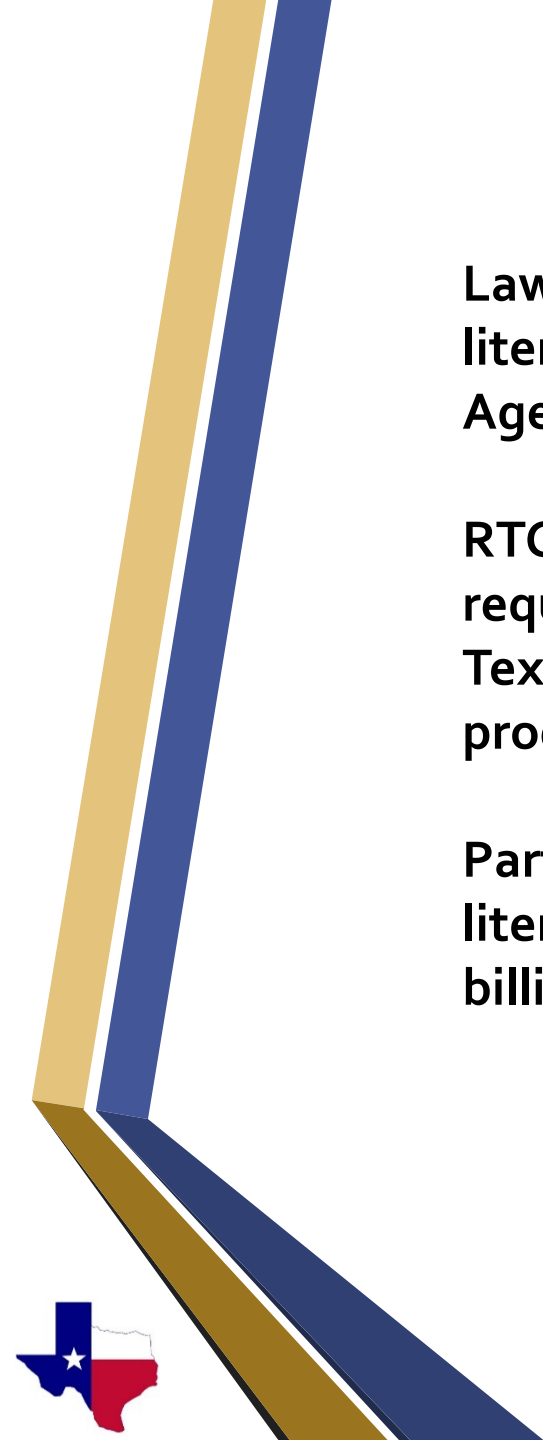
RTC submitted a letter to the DOJ and Texas Attorney General requesting, if a financial settlement is reached, funds be dispersed to Texas nonattainment regions for implementing air quality projects and/or programs (March 10, 2016)

Partial settlements have been reached for 2.0 liter and "Generation 1" 3.0 liter diesel Volkswagen and Audi vehicles for Volkswagen to fund \$2.9 billion mitigation trust fund

2.0 liter Partial Settlement (9/30/16): \$2.7 Billion

3.0 liter Partial Settlement (12/20/2016): \$225 Million

*****\$209 Million Settlement to State of Texas***



Volkswagen Settlement Update

Mitigation Trust Fund

Goal:

Achieve reductions of NO_x emissions in the United States

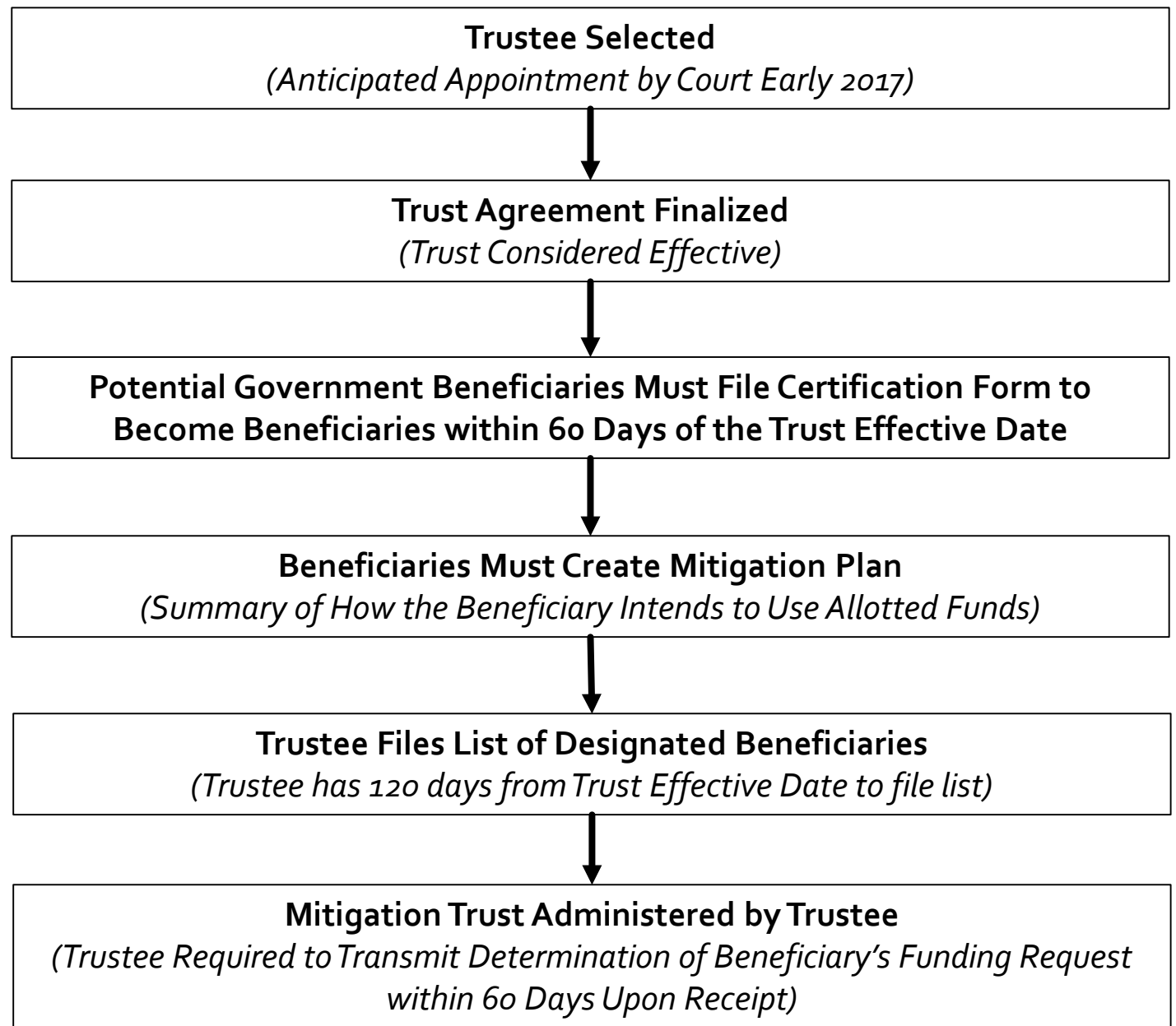
Beneficiaries: All 50 States, Puerto Rico, the District of Columbia, and Indian Tribes may elect to become beneficiaries

\$2.9 Billion Over 3 Years for Eligible Mitigation Actions



Volkswagen Settlement Update

Mitigation Process



Volkswagen Settlement Update

Electrify America

\$1.2 Billion Available to Fund
Projects Outside of
California

Long-Distance Charging
Network

Community, Retail,
Workplace, and Multi-Family
Residential Infrastructure

Outreach and Education

NCTCOG Proposal
Submitted to Electrify
America on 1/16/17

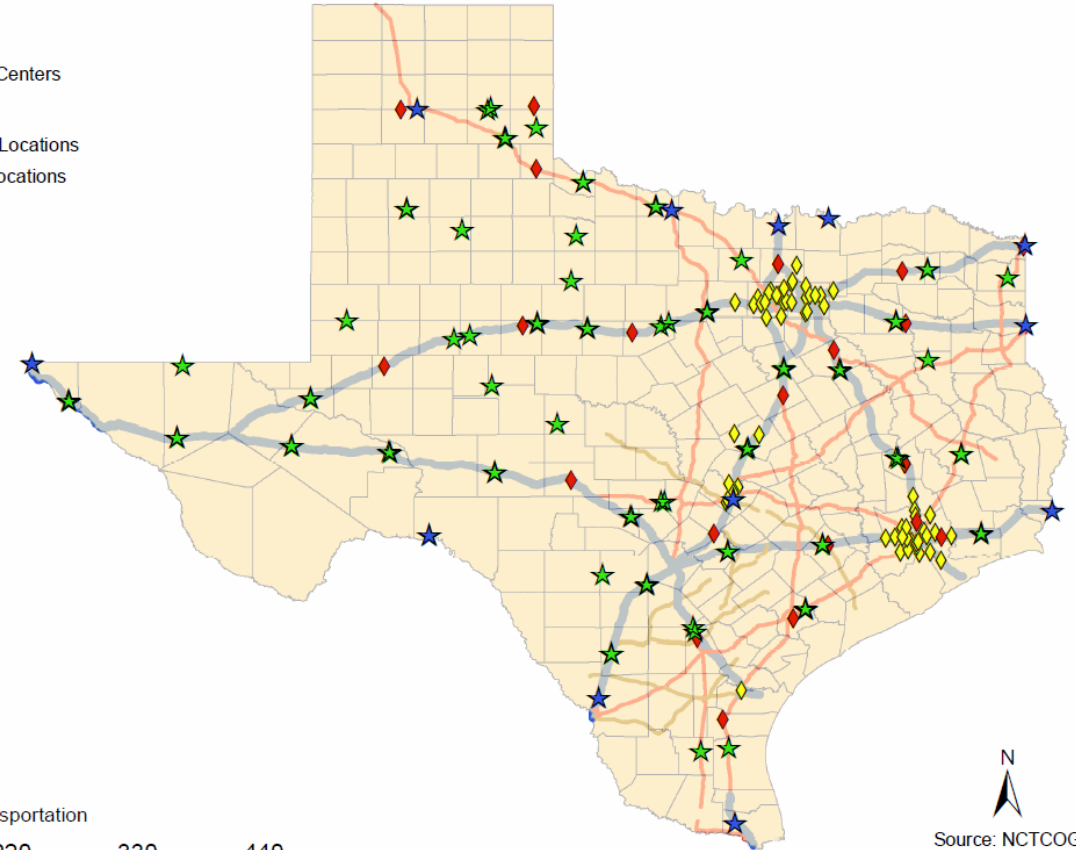
Map 2: Locations of TxDOT* Rest Areas and Information Centers, Electric Vehicle Fast Charging

Legend

- ★ TxDOT Information Centers
- ★ TxDOT Rest Areas
- ◆ Tesla Supercharger Locations
- ◆ DC Fast Charging Locations

Proposed Corridors

- Interstate Highways
- US Highways
- State Highways



*Texas Department of Transportation

0 55 110 220 330 440 Miles

Source: NCTCOG
January 2017



Alternative Fuel Corridors Update

All Nominated Interstate
Highways Were Designated
by Federal Highway
Administration

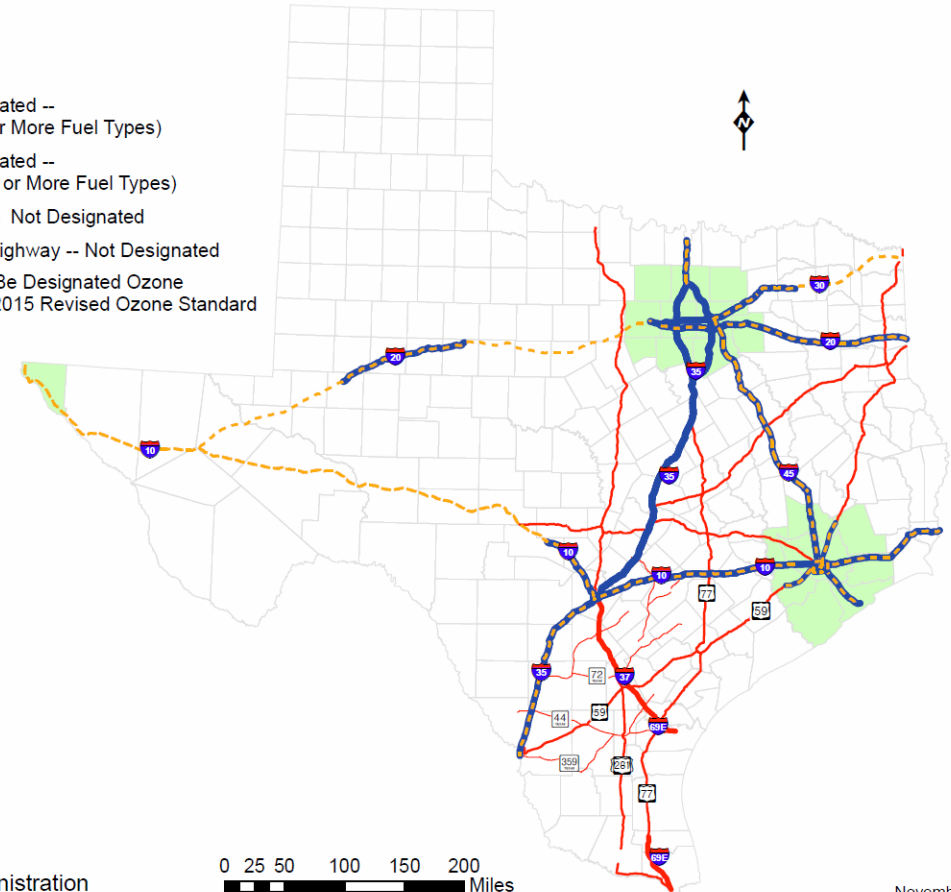
Maps of Designated
Corridors for Individual Fuel
Types Available:

http://www.fhwa.dot.gov/environment/alternative_fuel_corridors/maps/

Comparison of FHWA* Designated Alternative Fuel Corridors with Corridors Nominated by NCTCOG

Legend

- Nominated and Designated --
Signage Ready (One or More Fuel Types)
- Nominated and Designated --
Signage Pending (One or More Fuel Types)
- Nominated Interstate -- Not Designated
- Nominated US/State Highway -- Not Designated
- Counties Proposed to Be Designated Ozone
Nonattainment Under 2015 Revised Ozone Standard

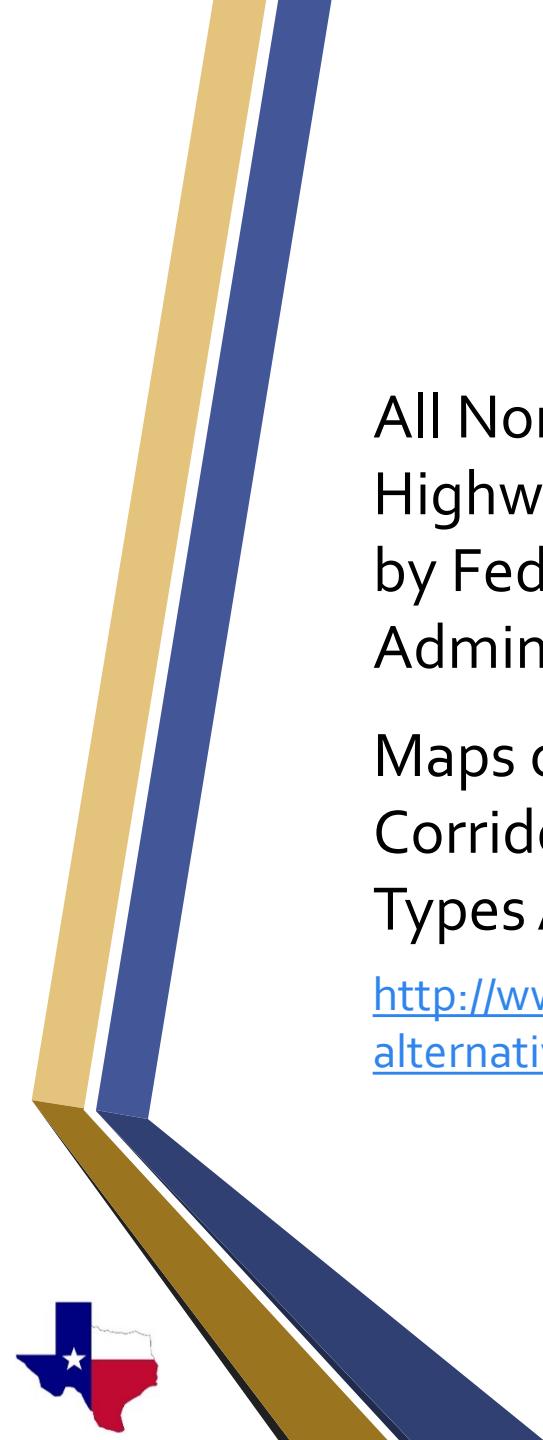


*Federal Highway Administration

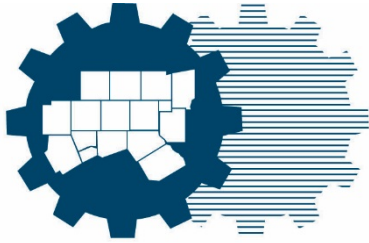
0 25 50 100 150 200
Miles

November 2016

13



Fleets for the Future



North Central Texas
Council of Governments



Dallas-Fort Worth
CLEAN CITIES

FleetPros

fleets for the future

Fleets for the Future

Project Overview

National partnership between regional councils, Clean Cities coalitions, and industry leaders.

Coordinates regional and national scale procurement initiatives designed to consolidate bulk orders of alternative fuel vehicles.

Focuses on reducing the incremental costs of alternative fuel vehicles and supporting infrastructure.



Fleets for the Future

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

Fleets for the Future

Regional Cooperative Procurement

Focusing on local public fleets

Coordinating through HGACBuy, building upon their existing contracts and alternative fuel vehicle specifications

Organizing the cooperative procurement of select vehicles to obtain volume discounts that fleets could not access individually

Executing in Spring 2017



Fleets for the Future

Technologies of Focus



Propane



Electric



Natural Gas



Bio-diesel/Ethanol



Related Infrastructure

Fleets for the Future

Get Involved

1. Get on Our Stakeholder Working Group List

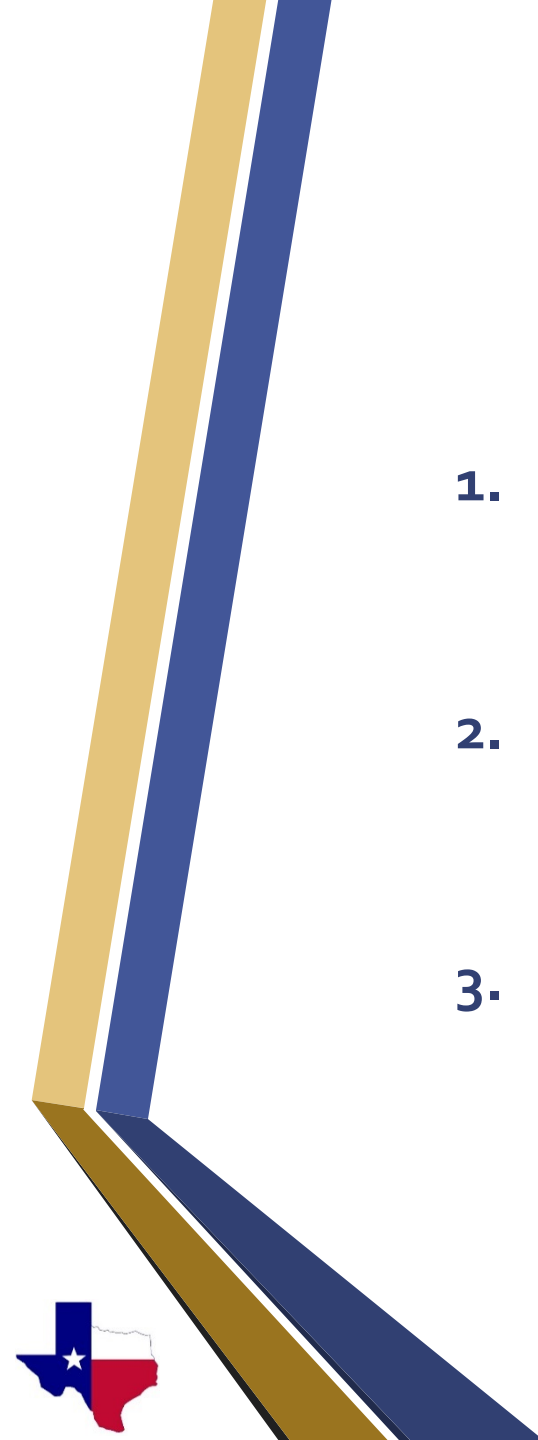
✉ Email Bailey at bmuller@nctcog.org

2. Tell Us Where Your Fleet Stands:
Take Our Survey →



3. Attend Our Procurement Kick-Off Information Event in March!
Date to Be Announced Soon! ✓

For More Information and Access to the Survey: www.nctcog.org/f4f



Questions

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Dallas-Fort Worth
CLEAN CITIES



North Central Texas
Council of Governments