

Clean Cities Program Overview

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Pamela Burns

Dallas-Fort Worth Clean Cities Coordinator

Communications Supervisor

Mission

To ensure America's security and prosperity by addressing its energy, environmental, and nuclear challenges through transformative science and technology solutions

Clean Cities Mission

To advance the energy, economic, and environmental security of the U.S. by supporting local decisions to reduce petroleum use in transportation.

- Energy Policy Act of 1992 (EPAAct)
- Provides a framework for businesses and government agencies to work together
- Goal: Reduce U.S. petroleum use by 2.5 billion gallons per year

- Nearly 100 coalitions throughout the United States
- 660,000 AFVs using alternative fuels

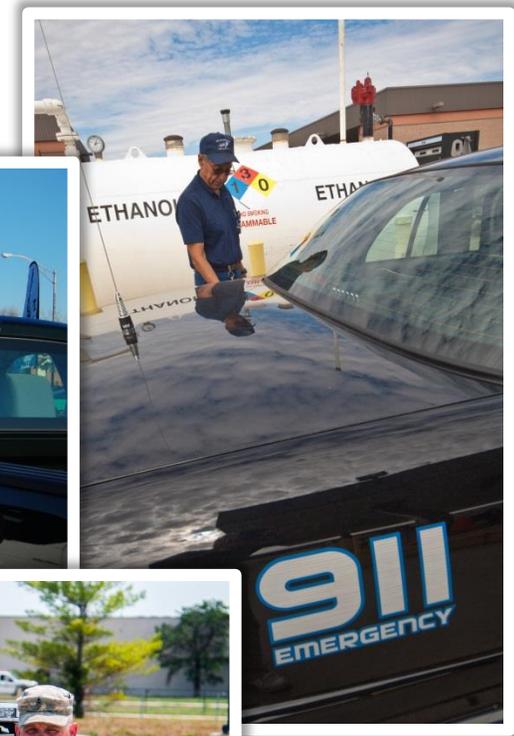
Clean Cities Coalitions



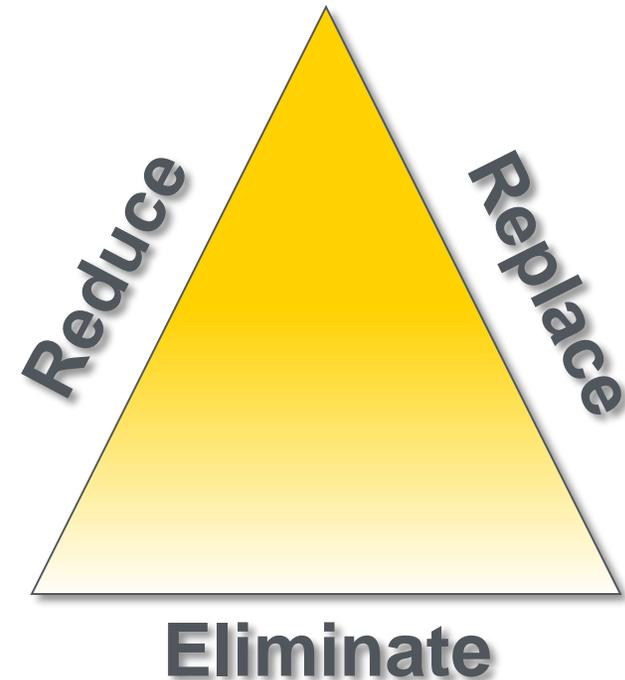
* Total includes more than 16,000 electric charging sites.

Coalitions are made up of local and national stakeholders.

- 13,000 stakeholders nationwide
- 48% private-sector stakeholders
- 52% public-sector stakeholders



- **Replace** petroleum with alternative and renewable fuels
- **Reduce** petroleum use through fuel efficiency measures, smarter driving practices
- **Eliminate** petroleum use through idle-reduction and other fuel-saving technologies and practices



Clean Cities has saved nearly 4.5 billion gallons of petroleum since 1993.

Alternative and Renewable Fuels

- Biodiesel
- Electricity
- Ethanol (E85)
- Hydrogen
- Natural gas
- Propane

Fuel Economy

- Fuel efficient vehicles
- Driving habits
- Vehicle maintenance

Idle Reduction

- Technologies
- Behavioral changes

Trip Elimination

- Telecommuting
- Ridesharing



- Connecting fleets with fuel providers and industry partners
- Training and information
- Technical assistance
- Funding
- Education and outreach to decision makers, fleets, and the public



Improve Air Quality

Reduce Greenhouse Gas Emissions

Enhance Energy Security

Create Energy Related Jobs in the US

Voluntary Association Of, By and For Local Governments

- 16-County Region Centered Around Dallas-Fort Worth (DFW)
- 230 Member Governments (Cities, Counties, Special Districts)
- Goals Include Planning for Common Needs, Cooperating for Mutual Benefit, and Coordinating for Sound Regional Development

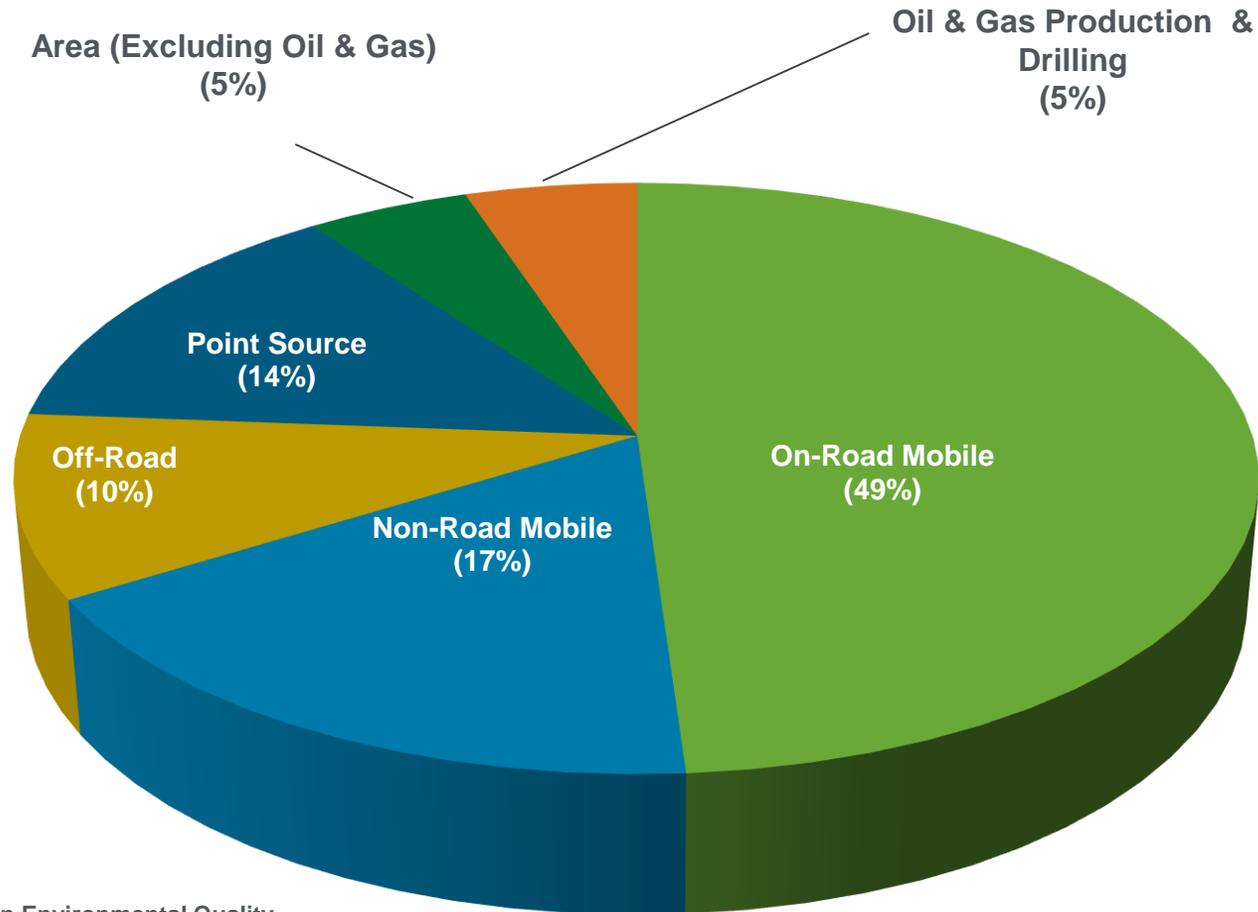
Metropolitan Planning Organization Designation

- 12-County Metropolitan Planning Area
- Nine-County Ozone Nonattainment Area-1997 8-Hour NAAQS
- Responsibilities Include Reducing Congestion, Enhancing Mobility, and Improving Air Quality

Estimated Emission Inventory*



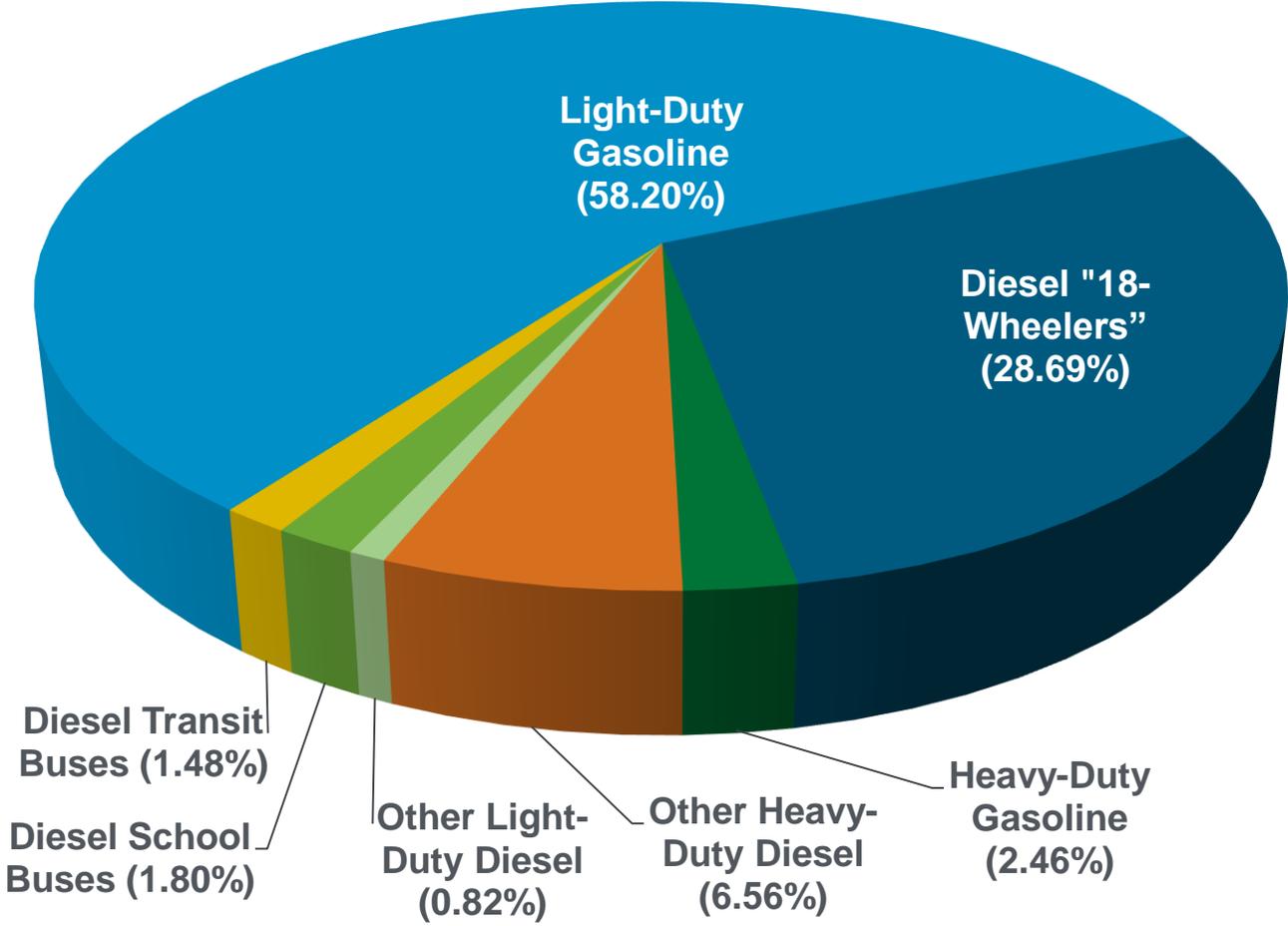
Total NO_x = 370
tons per day (tpd)



NO_x = Nitrogen Oxides
tpd = Tons per Day
* Year 2012

Source: Texas Commission on Environmental Quality

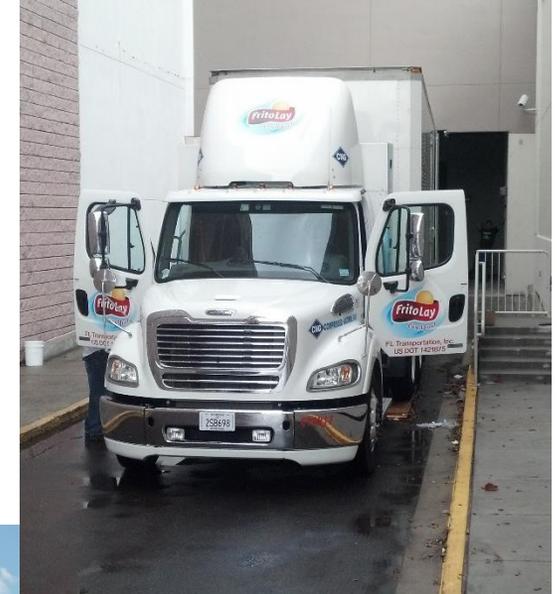
On-Road NO_x Emissions Inventory by Sector*



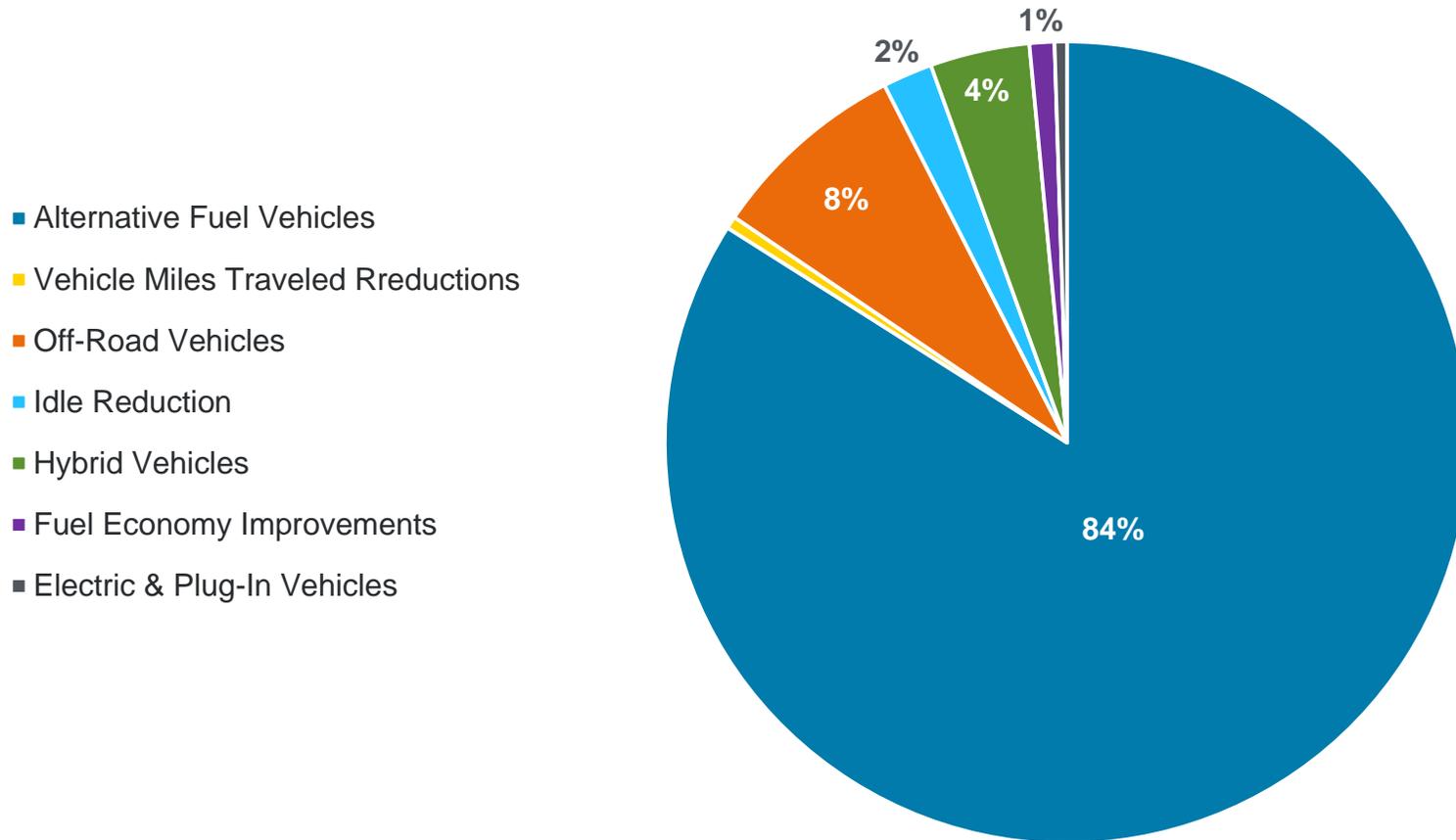
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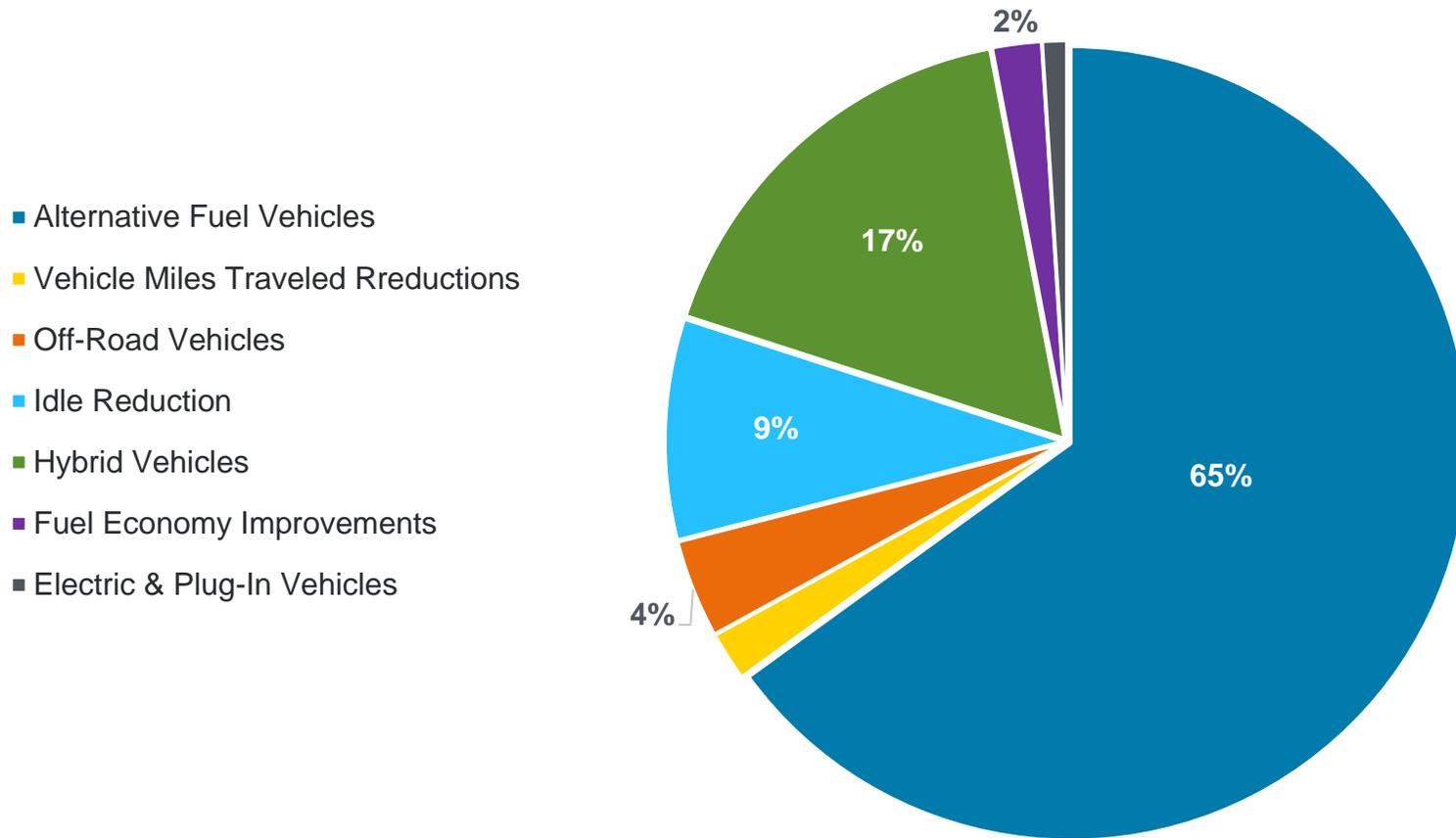
- Frito-Lay North America
- PAM Transport
- Dallas-Fort Worth International Airport
- Cities
 - Dallas
 - Denton
 - Fort Worth
- School Districts
 - Dallas County Schools
 - Denton ISD
 - Fort Worth ISD



2012 Gallons of Gasoline Equivalent Reduced 13,917,943 gallons



2012 Greenhouse Gas Emissions Reduced 41,693 tons



Clean Cities

www.cleancities.energy.gov

Alternative Fuels Data Center

www.afdc.energy.gov

FuelEconomy.gov

www.fueleconomy.gov

Clean Cities Coordinators and Coalitions

www.afdc.energy.gov/cleancities/coalitions/coalition_locations.php

U.S. DEPARTMENT OF ENERGY | Energy Efficiency & Renewable Energy

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Alternative Fuels Data Center

Alternative Fuels Data Center

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Fuels & Vehicles

More Fuels & Vehicles

Biodiesel

Electricity

Ethanol

Hydrogen

Natural Gas

Propane

Turn off the engine.
Turn up the heat.

Discover how truck stop electrification is helping truckers enjoy creature comforts while cutting emissions and fuel costs.

The Information Source for Alternative Fuels and Advanced Vehicles

The Alternative Fuels Data Center (AFDC) provides information, data, and tools to help fleets and other transportation decision makers find ways to reduce petroleum consumption through the use of alternative and renewable fuels, advanced vehicles, and other fuel-saving measures.

The AFDC is a resource of the U.S. Department of Energy's Clean Cities program.

Maps & Data

- U.S. Alternative Fuel Stations by Fuel Type
- Alternative Fuel Vehicle Use
- U.S. Hybrid Electric Sales by Model

Tools

- LAWS & INCENTIVES
- Petroleum Reduction Planning Tool
- Vehicle Cost Calculator
- Light-Duty Vehicle Sales
- Heavy-Duty Vehicle Sales

Find State Information

Select a state:

Poll

Our fleet tries to increase fuel efficiency by:

- Requiring driver training
- Providing recognition
- Providing onboard training
- Using route optimization
- Reducing vehicle loads
- Other
- None

EERE » AFDC » Tools

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Petroleum Reduction Planning Tool

This planning tool helps your vehicle fleet reduce petroleum consumption and greenhouse gas (GHG) emissions. Create a comprehensive plan for your fleet by using several savings methods. If your fleet includes multiple vehicle types, add more vehicles to each method.

ASSUMPTIONS

LOG IN TO SAVE/VIEW PLANS

START NEW PLAN

My Current Plan

SET GOAL | CLEAR PLAN

Savings Methods	Petroleum Reduction gal/yr	GHG Reduction tons CO ₂ /yr	Fuel Cost Savings \$/yr	Impact on Plan percent	
Replace Vehicles ADD ANOTHER	3,265	40	\$9,876	96%	
Replace 10 midsize gas cars with 5 minicompact cars (HEV) using B5	edit delete	3,265	40	\$9,876	96%
Use Alternative Fuel in Existing Vehicles ADD TO PLAN	0.00	0.00	\$0.00	0%	
Reduce Idling ADD TO PLAN	0.00	0.00	\$0.00	0%	
Reduce Mileage ADD ANOTHER	117	1	\$386	3%	
Reduce miles traveled in 1 midsize gas car from 11,919 miles to 8,000 miles	edit delete	117	1	\$386	3%
Drive Efficiently ADD ANOTHER	9	0.00	\$31	0%	
Improve efficiency in 1 midsize gas car by 2%	edit delete	9	0	\$31	0%
Total savings from plan per year	3,391 gallons	41 tons of CO ₂	\$10,293	100%	

Annual Petroleum Reduction

gallons

Annual Greenhouse Gas Reduction

tons of CO₂

● Petroleum reduction goal

[View Results](#) [VOTE](#)

Pamela Burns

DFW Clean Cities Coordinator

817-704-2510

pburns@nctcog.org

DFW Clean Cities Website

www.nctcog.org/cleancities

NCTCOG Funding Website

www.nctcog.org/aqfunding

NCTCOG Clean Vehicle Website

www.nctcog.org/cleanvehicles

Kenny Bergstrom

DFW Clean Cities Staff

817-704-5643

kbergstrom@nctcog.org



**Dallas-Fort Worth
CLEAN CITIES**