NCTCOG Role

NCTCOG Service Area

Legend
- Counties Classified as Nonattainment Under 2008 8-Hour Ozone Standard
- Ozone Monitoring Sites

Council of Governments

Metropolitan Planning Organization

Dallas-Fort Worth Clean Cities Coalition (DFWCC)
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About Clean Cities

- Created by the Energy Policy Act of 1992
- Nearly 90 locally based coalitions
- Strategies:
  - Reduce
  - Replace
  - Eliminate
Fleetcon 2016

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

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

- Vehicle Miles Traveled Reductions (0.1%)
- Off-Road Vehicles (0.4%)
- Idle Reduction (2.4%)
- Hybrid Vehicles (1.0%)
- Fuel Economy Improvements (0.5%)
- Electric & Plug-In Vehicles (0.1%)

Alternative Fuel Vehicles (96%)

Dallas-Fort Worth CLEAN CITIES
U.S. Department of Energy
Examples of Local Efforts
Key Dallas-Fort Worth Clean Cities Efforts
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.
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

Total EV Registration:
Texas: 7675
DFW Area: 2948
38% of TX total
(As of August 2016)
Join us for

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

www.dfwcleancities.org/ndew #texasEV
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
Regional Transportation Council (policy council) position:

Adoption Required for All Vehicle Funding

Adoption Considered for Other Funding
Clean Fleet Policy Adoptees

Legend:
- Counties
- Municipalities
- Other
- School Districts
- Transit Service Areas
- 8-Hour Ozone Nonattainment Area
- NCTCOG Service Area

32 Local Governments
10 School Districts and Colleges
3 Transit Agencies
13 Private Entities

Source: NCTCOG
Date: July 25, 2016

North Central Texas Council of Governments
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\textsubscript{x} 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
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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.
## 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 (MWCOC)**
  - District of Columbia: 4.7 million
  - Suburban Md., northern Va.: 14.376 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
  - Az.: 6.392 million

- **Metropolitan Area Planning Council (MAPC)**
  - Greater Boston: 4.732 million
  - Mass. 6.547 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
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
<table>
<thead>
<tr>
<th>Milestone</th>
<th>Estimated Timeframe</th>
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</thead>
<tbody>
<tr>
<td>Establish Working Groups</td>
<td>August 2016</td>
</tr>
<tr>
<td>Assess Current Procurement Processes</td>
<td>Fall 2016</td>
</tr>
<tr>
<td>Identify Priority Vehicles &amp; Specifications</td>
<td>Fall 2016</td>
</tr>
<tr>
<td>Develop Procurement Strategy</td>
<td>Winter 2016/2017</td>
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<tr>
<td>Facilitate Cooperative Purchases</td>
<td>Spring 2017 - 2018</td>
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</tbody>
</table>
Fleetcon 2016

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

www.propanecounciloftexas.org
<table>
<thead>
<tr>
<th>Program</th>
<th>Next Planned Grant Round</th>
<th>Grant Funds Available</th>
<th>Workshops at NCTCOG Offices</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clean Transportation Triangle Program and Alternative Fueling Facilities Program</td>
<td>NOW ACCEPTING APPLICATIONS!</td>
<td>$5.9 Million</td>
<td>9/15/2016, 12:00p – 4p</td>
</tr>
<tr>
<td>Drayage Truck Incentive Program</td>
<td>Fall 2016</td>
<td>$4.7 Million</td>
<td>None scheduled</td>
</tr>
<tr>
<td>Emissions Reduction Incentive Grants</td>
<td>Fall 2016</td>
<td>$51.7 Million</td>
<td>11/17/2016, 8:30a-4:30p (General Session)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>12/15/2016, 8:30a-4:30p (Application Session)</td>
</tr>
<tr>
<td>New Technology Implementation Grants</td>
<td>NOW ACCEPTING APPLICATIONS!</td>
<td>$3.5 Million</td>
<td>None scheduled</td>
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<tr>
<td>Rebate Grants</td>
<td>Spring 2017</td>
<td>$10 Million</td>
<td>None scheduled</td>
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<tr>
<td>Texas Clean Fleet Program</td>
<td>NOW ACCEPTING APPLICATIONS!</td>
<td>$5.9 Million</td>
<td>9/20/2016, 1:30p-5p</td>
</tr>
<tr>
<td>Texas Clean School Bus Program</td>
<td>NOW ACCEPTING APPLICATIONS!</td>
<td>$5.9 Million</td>
<td>None scheduled</td>
</tr>
<tr>
<td>Texas Natural Gas Vehicle Grant Program</td>
<td>NOW ACCEPTING APPLICATIONS!</td>
<td>$37.8 Million</td>
<td>None scheduled</td>
</tr>
</tbody>
</table>
Fleetcon 2016

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

www.terpgrants.org
Fleetcon 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**

www.terpgrants.org
Fleetcon 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 NOx

- **Funding Levels** – Up to 80% of Incremental Cost for Replacement
  - $51.7 Million to be Awarded

- Expected to Open in Fall 2016

www.terpgrants.org
FLEETCON 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**

www.terpgrants.org
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\textsubscript{x}

- **Funding Levels** – $10 Million to be Awarded

- Expected to Open in Spring 2017 – First-Come, First-Served

www.terpgrants.org
Fleetcon 2016

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\textsubscript{x}
  - 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

www.terpgrants.org
Fleetcon 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

www.terpgrants.org
Fleetcon 2016

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\textsubscript{x}

- 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

www.terpgrants.org
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)
For More Information

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Websites
www.energy.gov/cleancities
www.nctcog.org/airquality
www.dfwcleancities.org