

# AIR QUALITY: REGIONAL & LOCAL EFFORTS

Regional Leadership Day

February 3, 2012

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North Central Texas Council of Governments

# AIR QUALITY: REGIONAL & LOCAL EFFORTS

## Overview

2

- Federal Standards**
- Nonattainment Area**
- Design Value**
- Milestones**
- Emission Sources**
- What Can I Do?**
- Air Quality Programs**
- Resources**



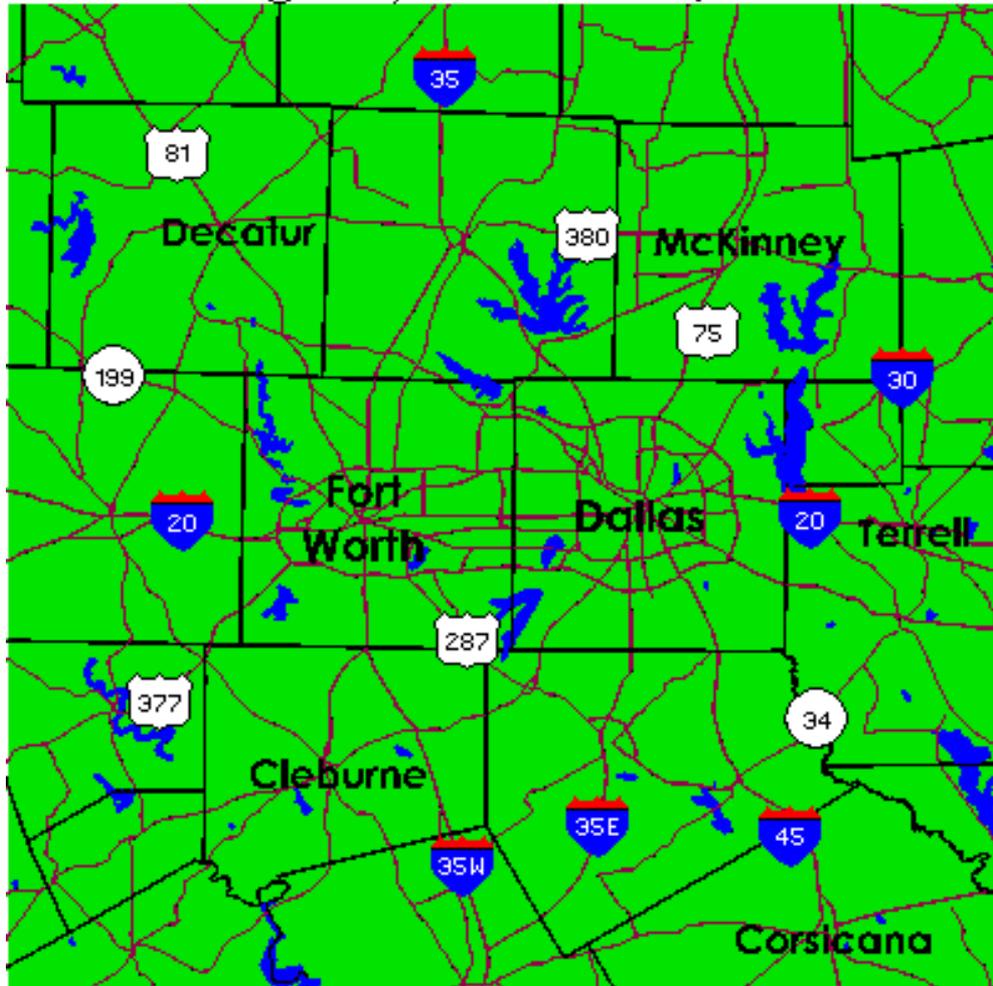
# Emission Sources

# 2011 OZONE SEASON

4

Maximum Daily 8-Hour Average was 103 ppb on August 28, 2011

North-Central Texas  
Aug 28, 2011 7 AM



## Air Quality



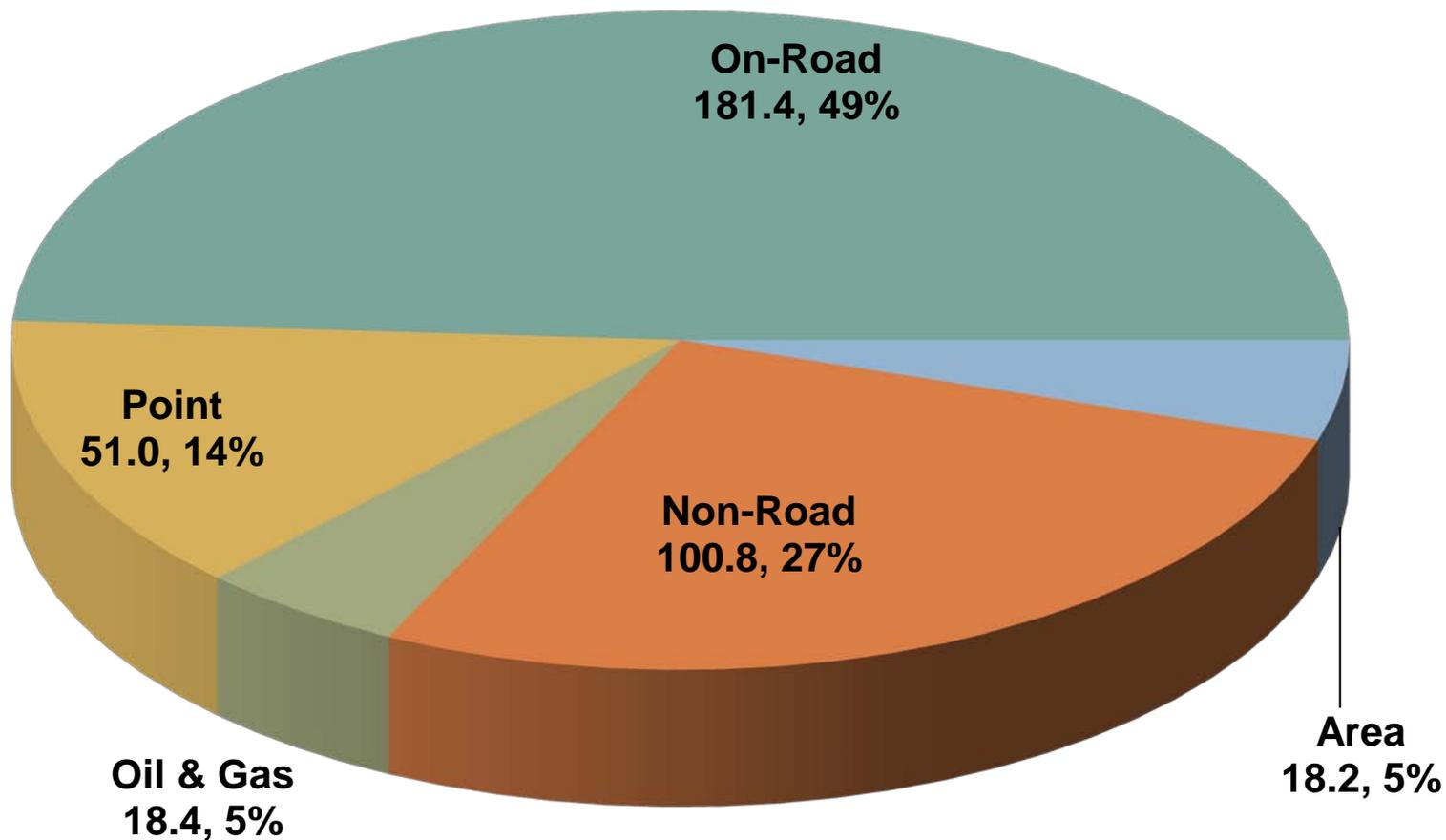
# DFW NONATTAINMENT AREA

5

## NO<sub>x</sub> Emission Inventories\* by Source

**Total NO<sub>x</sub> = 370 Tons Per Day (tpd)**

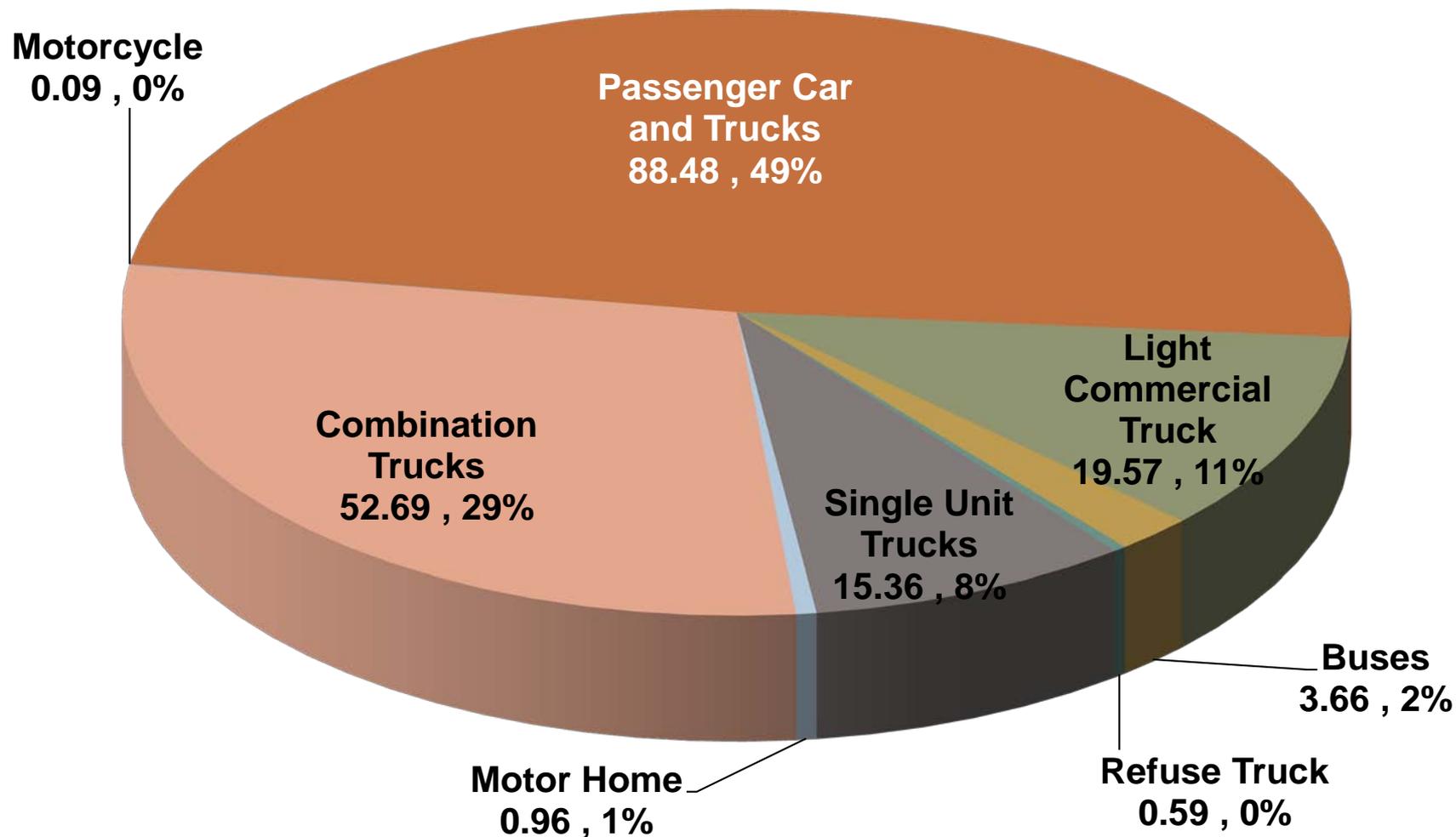
\*Source: TCEQ



# DFW NONATTAINMENT AREA

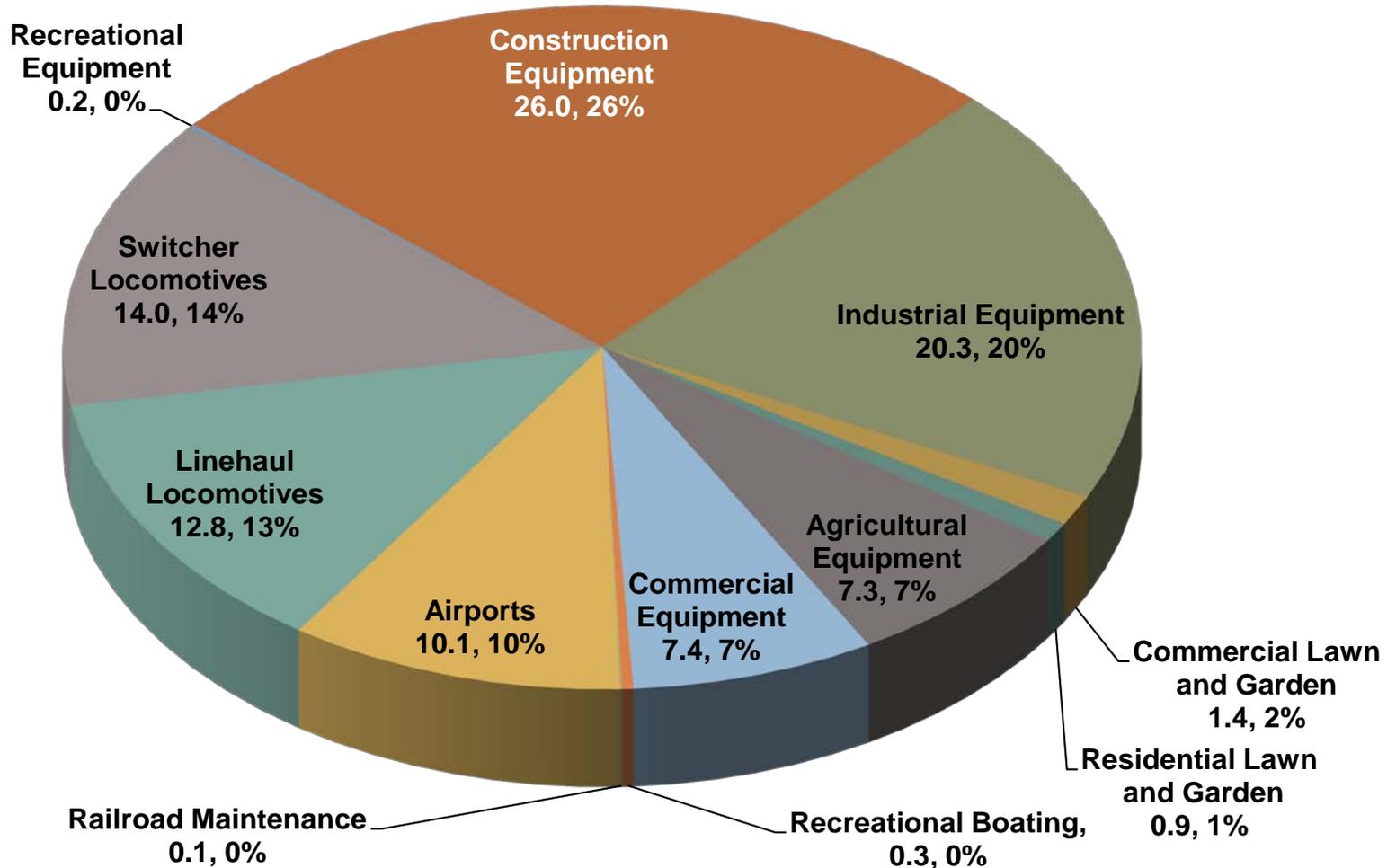
6

## On-Road NO<sub>x</sub> Emissions Sources (tpd)



# DFW NONATTAINMENT AREA

## Non-Road NO<sub>x</sub> Emissions (tpd)





# What Can I Do?

# WHAT CAN I DO?

9

## Simple Practices

**Observe the Speed Limit**

**Use Mass Transit**

**Walk/Bike to Work or for Errands**

**Bring Your Lunch to Work**

**Avoid Idling**

**Combine Trips or Drive Less**

**Confirm Up-to-Date on State Emissions and Safety Inspection**

**Perform Regular Vehicle Maintenance**

**Use Energy Star Appliances and Switch to Compact  
Fluorescent Light Bulbs**

**Tell Others about Air Quality Programs in North Texas**

**Learn More At [www.airnorthtexas.org](http://www.airnorthtexas.org)**



# Air Quality Programs



### Vehicle Repair & Replacement Assistance Program

Helps Low to Middle Income Residents Repair or Replace  
Vehicles That Fail an Inspection or Are  $\geq$  10 Years Old

Funded by Inspection Fees Collected & Distributed by TCEQ

Up to \$600 for Emissions Repairs

Up to \$3,500 for Vehicle Replacement

### Overall Program Success in North Central Texas

Since Inception of the Program in October 2002:

Replaced Over 25,000 Passenger Vehicles

Repaired Over 23,000 Passenger Vehicles

Reduced Nitrogen Oxide (NO<sub>x</sub>) Emissions Approximately  
1.1 Tons Per Day

Contact Jason Brown at 817-704-2514 or [jbrown@nctcog.org](mailto:jbrown@nctcog.org)  
[www.nctcog.org/airchecktexas](http://www.nctcog.org/airchecktexas)



# AIR QUALITY PROGRAMS: HIGH EMITTING VEHICLES

13

## Regional Emissions Enforcement Program

### Goals

**Reduce the Number of High-Emitting and Smoking Vehicles**

**Reduce the Number of Fictitious/Counterfeit Inspection**

**Certificates**

**Decrease the Number of State Inspection Stations Conducting Fraudulent Emissions Inspections**

**Enforce Truck Lane Restrictions**

**Support Anti-Idling Restrictions**

**Train Local Law Enforcement Officers**



### Statewide Coordination

**Participating Counties**

**Dallas, Denton, Ellis, Harris, Johnson, Kaufman, Parker,  
Tarrant, Travis and Williamson Counties**

Contact Richard McComb at 817-608-2340 or [rmccomb@nctcog.org](mailto:rmccomb@nctcog.org)

[www.nctcog.org/trans/air/hevp/reep.asp](http://www.nctcog.org/trans/air/hevp/reep.asp)

# AIR QUALITY PROGRAMS: HIGH EMITTING VEHICLES

14

## Regional Smoking Vehicle Program

### Goal

Advise Owners Their Vehicles May Be Creating Excessive Smoke and Emitting Harmful Pollutants

### Various Options for Reporting

Online: [www.smokingvehicle.net](http://www.smokingvehicle.net)

Wireless Phone: #SMOKE (#76653)

Landline Phone: 817-704-2522



### Statewide Coordination

NCTCOG Administers Regional Smoking Vehicle Program for North Central Texas

TCEQ administers Smoking Vehicle Program for Remainder of State

Contact Russell Garner at 817-704-2508 or [rgarner@nctcog.org](mailto:rgarner@nctcog.org)

[www.smokingvehicle.net](http://www.smokingvehicle.net)

# AIR QUALITY PROGRAMS: CLEAN TECHNOLOGY

15

## Select Programs

### Electric Vehicles North Texas

Coordination of Partnerships to Prepare North Texas for Transition to Plug-In Electric Vehicles [www.nctcog.org/evnt](http://www.nctcog.org/evnt)



### North Central Texas Clean School Bus Program

Funding and Resources for Schools and Bus Operators  
[www.nctcog.org/CleanSchoolBus](http://www.nctcog.org/CleanSchoolBus)



### North Texas Green and Go Partnership

Program to Encourage Use of Low Emitting Vehicles for Taxicabs and Limousines  
[www.northtexasgreenandgo.org](http://www.northtexasgreenandgo.org)



### SmartWay<sup>SM</sup> Program

Affiliate of EPA's National Program  
SmartWay Transport Program for Freight  
SmartWay Certified Vehicles for Consumers  
[www.epa.gov/smartway](http://www.epa.gov/smartway)



### Texas Emissions Reduction Plan Partnership Program

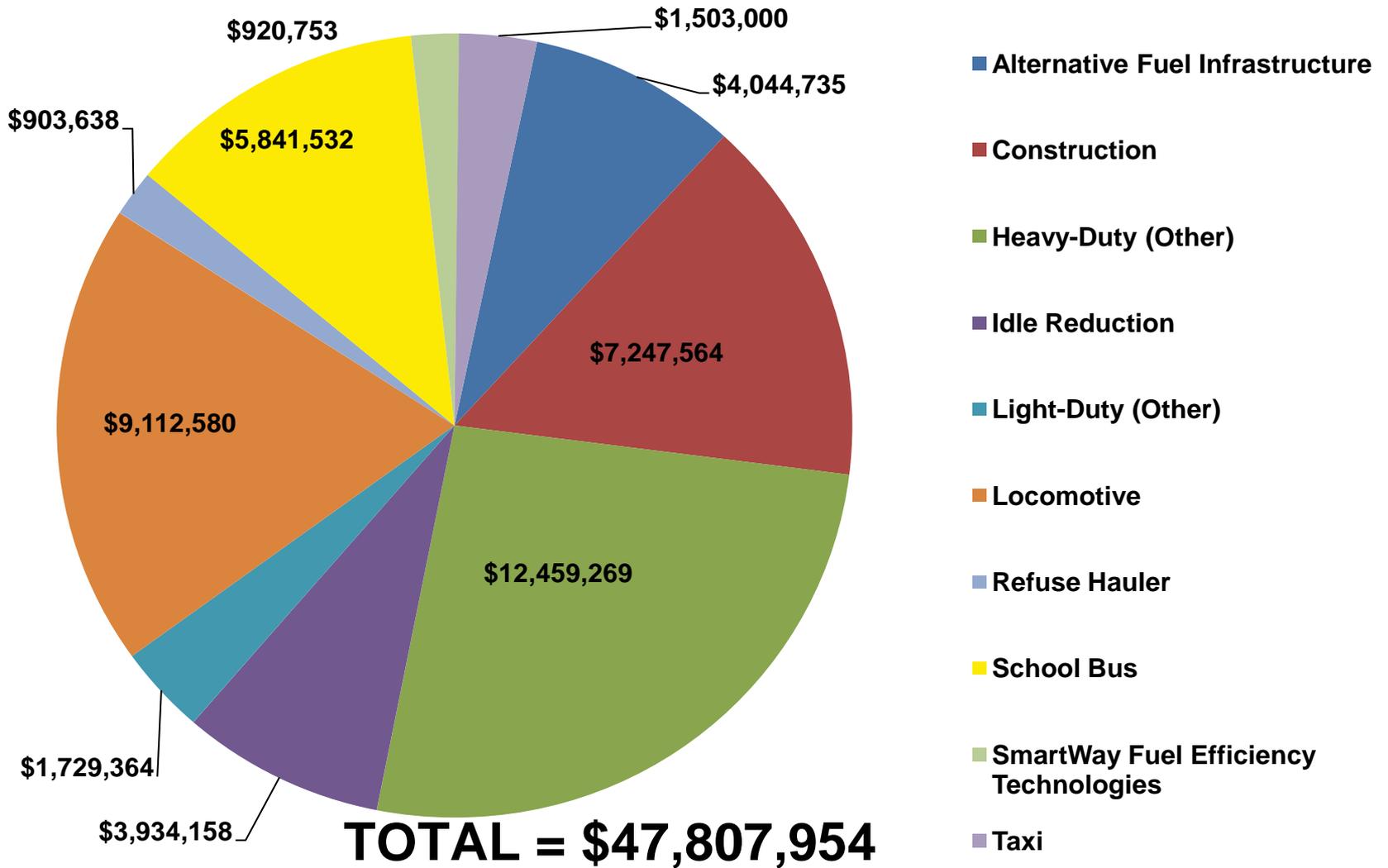
Funding for Heavy-Duty On-Road and Non-Road Vehicles and Equipment [www.nctcog.org/trans/air/programs/terp](http://www.nctcog.org/trans/air/programs/terp)



# AIR QUALITY PROGRAMS: CLEAN TECHNOLOGY

16

## Funding Opportunities from NCTCOG\*



\*Funds awarded by NCTCOG between 2006 and 2011 for various project types through competitive calls for projects.

Funding Website at [www.nctcog.org/aqfunding](http://www.nctcog.org/aqfunding)

## Rule Requirements

No gasoline or diesel powered motor vehicle over 14,000 pounds (GVWR) may idle the main engine for more than 5 minutes when the vehicle is not in motion.

### Applicable:

April 1 through October 31 of Each Year

Within Jurisdictions That Have Adopted the Rule and Signed an Memorandum of Agreement (MOA) with the Texas Commission on Environmental Quality

### Exemptions:

Vehicle Type  
Operations

A/C + Heating (limited exemption)



Contact Amanda Brimmer at 817-608-2354 or [abrimmer@nctcog.org](mailto:abrimmer@nctcog.org)  
[www.EngineOffNorthTexas.org](http://www.EngineOffNorthTexas.org)

# AIR QUALITY PROGRAMS: TRY PARKING IT

18

## Regional Rideshare Program

### What?

Ride matching website for the dallas-fort worth region combined existing carpool data from DART and the T. Find vanpool matches in the region using DART, the T, and DCTA's vanpool programs.

### How?

Log On To [www.tryparkingit.com](http://www.tryparkingit.com)

Create an Account

Start Finding Ride Matches!

[www.tryparkingit.com](http://www.tryparkingit.com)

### Features

Set Your Commute Preference

Interactive Map – (e.g. Points of Interest, Train Routes, Aerial View)

Log Your Alternative Commutes (e.g. Carpool, Vanpool, Transit, Bike, Telecommute) and See Your Savings!

Contact Ralph Zaragoza at 817-695-9299 or [rzaragoza@nctcog.org](mailto:rzaragoza@nctcog.org)

<http://www.tryparkingit.com>

# AIR QUALITY PROGRAMS: EDUCATION

19

## Air North Texas

**Voluntary effort and creative platform to develop a regional voice to generate public awareness that will foster behavioral changes in the community**

**All-inclusive branding effort that will serve to bridge all air quality programs into one comprehensive and versatile Initiative**



Contact Whitney Vandiver at 817-704-5639 or [wvandiver@nctcog.org](mailto:wvandiver@nctcog.org)  
<http://www.airnorthtexas.org>

# AIR QUALITY PROGRAMS: EDUCATION

20

Air North Texas' Clean Air Action Day – July 7

**Second Annual Clean Air Action Day (7.7.7.7) - A day designated to observe clean air actions and healthier living in North Texas.**

The screenshot shows the 'take action' page on the Air North Texas website. The page features a navigation menu on the left with options like 'Home', 'About us', 'Individuals', 'Business', 'Just for kids', 'Air Facts', 'Partner/Response', and 'Tools'. The main content area is titled 'take action' and includes a 'save the date' graphic for July 7. Below the graphic, there is a section titled 'Take Action -- Choose Clean Air' with a list of actions and checkboxes:

- Carpool or carpool
- Use mass transit
- Bike or walk
- Work from home
- Take lunch to work or summer activities
- Observe speed limits
- Avoid idling
- Combine trips or drive less
- Use technology such as teleconferencing or video conferencing to reduce vehicle trips for meetings
- Report smoking, polluting vehicles (SPORADIC)
- Confirm you are up to date on regular vehicle maintenance and state emissions and safety inspection
- Switch to compact fluorescent light bulbs
- Encourage someone else to make clean air choices on 7/7
- Tell a friend about Air North Texas and options that help improve air quality in the region

Other (please specify):

Submit

**On 7/7, anytime from 7 am to 7 pm residents commit to clean air actions and share their go green, breathe experience with our community.**

**Visit [www.airnorthtexas.org](http://www.airnorthtexas.org) for more details**

**Contact Whitney Vandiver at 817-704-5639 or [wvandiver@nctcog](mailto:wvandiver@nctcog).  
<http://www.airnorthtexas.org>**



# AIR QUALITY PROGRAMS: EDUCATION

21

## Dallas-Fort Worth Clean Cities Coalition

### Goal

**Create a clearinghouse for information and education on clean fuel and advanced technology vehicles, programs, and policies with a focus on petroleum reduction and air quality benefits.**

### Benefits

**Quarterly Coalition Meetings  
Clean Vehicle Events and Workshops  
Monthly Electronic Newsletter  
Outreach to Fleets and the General Public  
PR for Fleets**



Contact Pamela Burns at 817-704-2510 or [pburns@nctcog.org](mailto:pburns@nctcog.org)  
<http://www.nctcog.org/cleancities>



# Resources



# AIR QUALITY: REGIONAL & LOCAL EFFORTS

23

## Resources

### **Environmental Protection Agency (EPA)**

<http://www.epa.gov/air/>

### **Texas Commission on Environmental Quality (TCEQ)**

<http://www.tceq.texas.gov/airquality/sip/dfw/dfw-latest-ozone>

### **NCTCOG**

<http://www.nctcog.org/trans/air/>

### **North Texas Clean Air Steering Committee**

<http://www.nctcog.org/trans/committees/ntcasc/index.asp>

# Contact Information

**Chris Klaus**

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**cklaus@nctcog.org**

**(817) 695-9286**

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



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