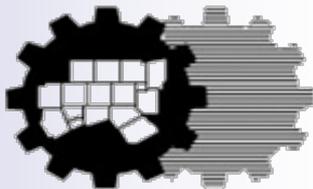


DRIVERS AND OPPORTUNITIES FOR IMPROVING AIR QUALITY AND REDUCING GREENHOUSE GASSES

**Blue Skyways Collaborative
Webinar Series
June 2, 2010**



**Carrie Reese
Air Quality Policy & Program Development
Transportation Department
North Central Texas Council of Governments**

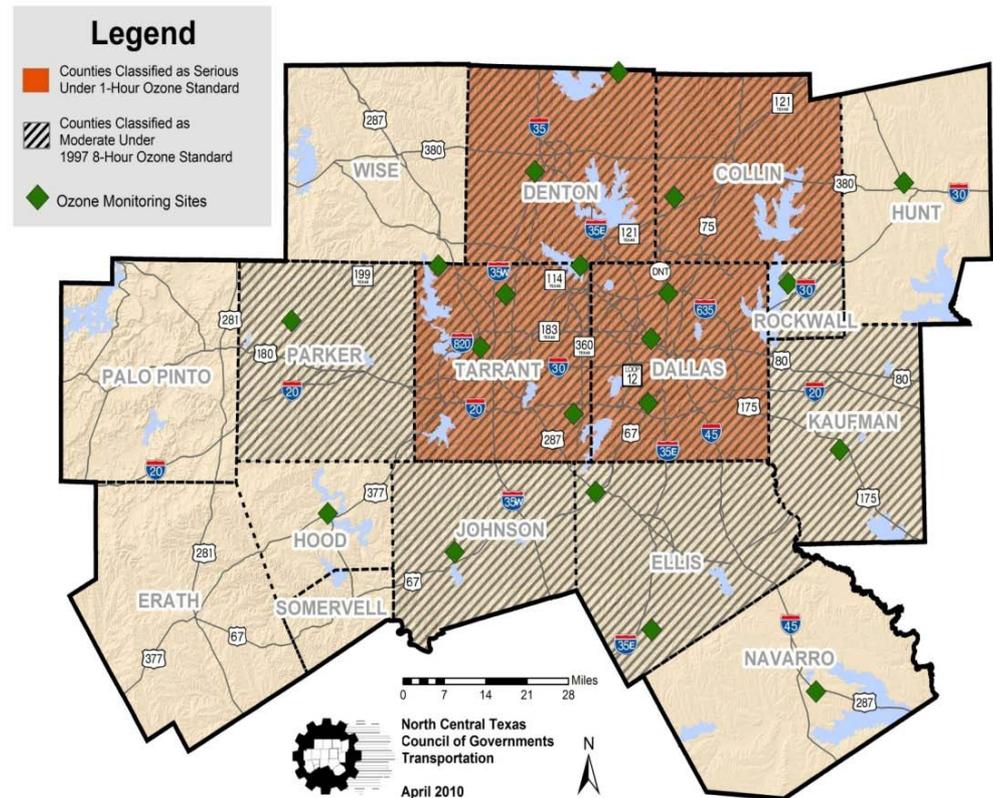
DRIVERS & OPPORTUNITIES

Drivers

- Comply with NAAQS**
- Reduce Energy Use**
- Integrate Climate Change**
- Protect Public Health**
- Improve Quality of Life**

Opportunities

- Reduce VMT**
- Decrease Congestion**
- Promote Technology**
- Enforce Regulations**
- Change Behaviors**



SYSTEM IMPROVEMENTS

Bicycle/Pedestrian Projects

Grade Separation Projects

HOV/Managed Lane Projects

Intersection Improvement Projects

Park and Ride Improvement Projects

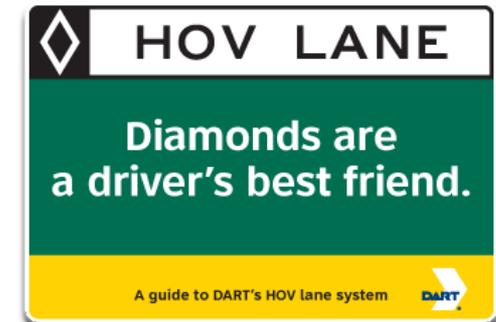
Rail Transit Projects

Bottleneck Improvements

Vanpool Projects

Travel Demand Management

Intelligent Transportation Systems



SUSTAINABLE DEVELOPMENT

Policy Goals

- Utilize Existing System Capacity
- Improve Rail Mobility
- Promote Mixed Use
- Improve Access Management

Project Types Funded

- 64 Infrastructure Projects
- 17 Planning Projects
- 3 Land Banking Projects

Funding

- Federal CMAQ and STP-MM Funds
- RTC Local and Regional Toll Revenue

Complementary Initiatives

- Vision North Texas
- Center for Development Excellence



NON-SYSTEM IMPROVEMENTS

Summary of NCTCOG's Role

Identify Needs and Opportunities

Gather Financial Resources for the Region

Coordinate with Partners and Stakeholders

Identify/Assimilate Best Practices and Policies

Implement Grant Funding Programs

Conduct Demonstration/Pilot Programs

Facilitate Enforcement Programs

Educate Public and Industry on Clean Vehicles



CLEAN FLEET VEHICLE POLICY

Goal to Minimize Emissions Among Public Sector Fleet Vehicles

99 Adopting Entities to Date

Principles Applicable to All Fleets

Impact on Funding Requests

Potential Consideration in General Funding Decisions

Criteria for Clean Vehicle Funding

Comprehensive in Nature

Acquisitions

Operations and Maintenance

Annual Reporting

Fleet Benefits

Efficient Operations

Reduced Emissions

Consistent Fleet Goals

Public Recognition



Contact: Lori Pampell at 817-695-9232 or lpampell@nctcog.org

<http://www.nctcog.org/trans/air/vehicles/fleet/policy/index.asp>

HEAVY-DUTY IDLE RESTRICTION

Regional Implementation

RTC Endorsement of Policy

Local Jurisdiction Adoption of Ordinance/Court Order

Local Jurisdiction Entrance into North Texas MOA

Local Jurisdiction Development of Enforcement Plan

Current Adoption Status

25 Cities and Counties to Date

Regional Education and Outreach

Anti-idling Street Signs

Driver Education Brochures

Idling Complaint Hotline

(1-877-NTX-IDLE)

Anti-idling Web site

www.EngineOffNorthTexas.org



Contact Amanda Brimmer at 817-608-2343 or abrimmer@nctcog.org

<http://www.nctcog.org/trans/air/programs/idling/index.asp>

PUBLIC CONSTRUCTION POLICY

Policy Development

**Publicly Owned and Contracted Equipment
Specification for Engines and Equipment Operation
Incorporation into Contracting Procedures**

Policy Goals

**Encourage Use of Cleaner Equipment
Encourage Use of Existing Incentives**

Statewide Coordination

TCEQ

TxDOT

Houston, Austin, Dallas, San Antonio

Environmental Defense Fund

Public Citizen



CLEAN VEHICLE PROGRAM

Funding Sources

Federal CMAQ Funds
State Energy Conservation Office
Private Funding

Grant Opportunities

Calls for Projects – NO_x Focus
Multi-pollutant Consideration
Heavy- and Light-Duty Vehicles
Clean Vehicle Policy Adoption
Vehicle Disposition Required

Outreach and Education

Dallas-Fort Worth Clean Cities Coalition
Best Practices and Guidance
Resources and Tools for Fleet Managers
Workshops and Training Events



TEXAS EMISSIONS REDUCTION PLAN (TERP) PARTNERSHIP

General TCEQ Funding Program

Public and Private Fleet Funding

**Replace, Repower, or Retrofit Diesel Vehicles; Idle Reduction
Cost Effectiveness Up to \$15,000 Per Ton NO_x**

North Texas Emissions Reduction Grant Program

Third-Party NCTCOG Grant

Fleet Focus

Refuse Haulers

Local Government Fleets

Construction Equipment

Idle Reduction Technology



Contact Amanda Brimmer at 817-608-2342 or abrimmer@nctcog.org
<http://www.nctcog.org/trans/air/programs/terp/cfps/index.asp>

CLEAN SCHOOL BUS PROGRAM

Funding Sources

Federal CMAQ Funds

EPA/Blue Skyways Collaborative Grants

TCEQ Supplemental Environmental Project Funds

DFW Adopt-a-School Bus Foundation

Grant Opportunities

Calls for Projects – NO_x Focus

Multi-pollutant Consideration

Replacement, Repower, Retrofits

Outreach and Education

Best Practices

Clean Vehicle Policy

Resources for Fleet Managers

The Clean Buzz Electronic Newsletter

Student and Parent Educational Materials



northcentral.texas.clean.school.bus.program

Contact Amanda Brimmer at 817-608-2343 or abrimmer@nctcog.org

<http://www.nctcog.org/trans/air/schoolbus/index.asp>

IDLE REDUCTION PROGRAM

Program Goals

Reduce NO_x Emissions from Heavy-Duty Diesel Idling
Incentivize Investment in Idle-Reduction Technologies

Funding

Federal CMAQ and EPA Funds

Geographic Focus

DFW Ozone Nonattainment Area
Blue Skyways Collaborative Corridor

Eligible Project Types

On-Board:

Incremental Cost of Integrated Systems
Purchase/Installation of Devices

On-Site:

Installation of Infrastructure



Contact: Lori Pampell at 817-695-9232 or lpampell@nctcog.org
<http://www.nctcog.org/trans/air/programs/idling/DieselFreightIdling.asp>

CLEAN REGULATED FLEETS

North Texas Green & Go Clean Taxi Partnership

Dallas Sustainable Skylines Initiative

Grant Opportunity

\$5,000 Awards for Cleaner Vehicles

Taxicab and Limousine Operators

Incentives

Longer Service Allowances

Extensive Marketing Campaign

Front of Line Privileges



Future Program Expansion

Additional Fleets and Funding Models

Courtesy Vans, Shuttles, etc.

Expanded Outreach Efforts

Incorporation into Regional Authority

ELECTRIC VEHICLES NORTH TX

Goals

**Launch Market for Electric Vehicles
Infrastructure Development and Installation**

Regional Coalition

86 Stakeholders

**Electric Utility Companies
Regional Governments
Local Businesses
EV Industry Leaders**



Committees

Public, Home, Fleets, Outreach

Statewide Coordination

Corridor Recharging Infrastructure

Contact Jenny Danieau at 817-608-2342 or jdanieau@nctcog.org
<http://www.nctcog.org/trans/clean/vehicles/news/EVNT/rsvp.asp>



RECOVERY ACT: EPA*

Categories	Activities
Diesel Replacements	2 Emergency Vehicles 1 Utility Vehicle 7 Delivery Trucks 2 Short Haul Trucks 14 Long Haul Trucks
Diesel Engine Repower	1 Long Haul Truck
Auxiliary Power Units	92 Units
Low Rolling Resistance Tires	89 Trucks
Aerodynamics	55 Trucks
Cetane Enhancers	100 Trucks

*US Environmental Protection Agency



RECOVERY ACT: DOE*

Categories	Activities
Electric Vehicles and Infrastructure	34 Vehicles 4 Electric Recharging Sites
Hybrid-Electric Vehicles	251 Hybrid-Electric Vehicles
Compressed Natural Gas Vehicles and Infrastructure	97 Vehicles 3 Compressed Natural Gas Refueling Stations
E-85 Infrastructure	3 E-85 Refueling Stations (2 are Multi-fuel with Biodiesel)
Biodiesel Infrastructure	3 Biodiesel Refueling Stations (2 are Multi-fuel with E-85)
Training	Compressed Natural Gas and Hybrid-Electric Training Curriculum

*Department of Energy



RECOVERY ACT: SECO*

**Clean Fleets North Texas: Recovery Act
Call For Projects**
\$2.5 Million Available
**Funds Awarded by State Energy Conservation
Office**

**Electric
Emphasis Area**

**All-Electric
Plug-In Hybrid
“Conventional” Hybrid**

**Natural Gas
Emphasis Area**

**Compressed Natural Gas
Liquefied Natural Gas**

*Texas State Energy Conservation Office

COLLABORATIVE PROGRAMS

Blue Skyways Collaborative

Technical Committee Participation
Knowledge Sharing
Grant Funding Opportunities



BLUE SKYWAYS
COLLABORATIVE

SmartWay Transport Program

Partnership Promotion
Education and Outreach
Partner Recruitment and Recognition
Partner Support and Technical Assistance
Demonstration Programs
Integration Into Regional Programs



VEHICLE ASSISTANCE PROGRAM

AirCheckTexas Drive a Clean Machine Program

Funds from Texas Commission Environmental Quality

Helps Low-Middle Income Residents Repair or Replace

Vehicles That Do Not Pass Inspection or Are \geq 10 Years Old

Up to \$600 for Repair or \$3,500 for Replacement

December 12, 2007 – May 10, 2010

20,420 Vehicles Retired and Replaced

21,230 Repaired

www.DriveaCleanMachine.org



Contact Jason Brown at 817-704-2514 or jbrown@nctcog.org
<http://www.nctcog.org/trans/air/act/index.asp>

SMOKING VEHICLE PROGRAM

Strategy

To Advise Vehicle Owners of Possible Emission Problems
Local Citizen Identification Efforts

Reporting Methods

Online at www.smokingvehicle.net
#SMOKE (#76653) from Wireless Phone
817-704-2522 from a Landline Phone



Don't Choke, Call #SMOKE

Successes

Received Over 16,002 Notifications since January 2008
Beginning Enhanced Remote Sensing Demonstration Project

Contact Robby Sprosty at 817-695-2255 or rsprosty@nctcog.org
<http://www.nctcog.org/trans/air/smoking/index.asp>

ENFORCEMENT PROGRAM

Regional Emissions Enforcement Program

- Reduce Number of Fictitious/Counterfeit Inspection Certificates**
- Identify Stations and Inspectors Performing Improper Inspections**
- Enforce Truck Lane Restrictions**
- Support Anti-Idling Restrictions**
- Enforce Smoking Vehicle Statute**
- Train Local Law Enforcement Officers**



Emissions Information System

- Assist in the Enforcement of Fictitious/Counterfeit Inspection Certificates and Smoking Vehicles**
- Internet-based, Password-Protected and Available to Law Enforcement Agencies 24/7**
- Cross References 5 Different Databases**

EDUCATION PROGRAMS

North Texas Clean Air Coalition

Educates, Engages, and Recognizes the Business Community on Clean Air Efforts



Dallas-Fort Worth Clean Cities

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

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

AIR NORTH TEXAS



clean **air**
for all

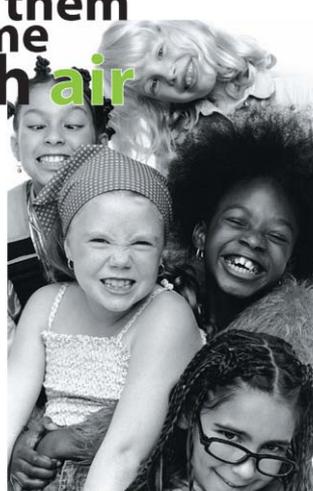
go green. breathe clean.

Let's face it, we all want the same thing - clean air. With your help from the Air North Texas community of individuals and organizations in the North Texas region, we can make living healthy and breathing clean a breeze with Air North Texas to become a face of change in air quality.

Air North Texas is a public awareness campaign that encourages residents to make clean air choices. Join us.

www.AirNorthTexas.org

give them
some
fresh **air**



go green. breathe clean.

your logo here

No one likes being stuck indoors, especially kids. But when air is bad, being indoors is the only place a kid should be. With your help and the support from the Air North Texas community of individuals and organizations in the North Texas region, we can make living healthy and breathing clean a child's play. Sign up today with Air North Texas and expand your kid's playground.

Air North Texas is a public awareness campaign that encourages residents of North Texas to make clean air choices. Join us.

www.airnorthtexas.org



go green
breathe clean
a campaign for clean air

search go

- home
- about us
- partners
- individuals
- businesses
- air facts
- just for kids
- links & resources



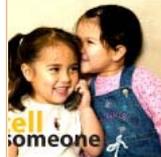
welcome to air north texas

Did you know that cleaning the air we breathe is a lot easier than we think? Small changes can make big improvements in our air and benefit our health at the same time.

Air North Texas is here to provide information and resources to many simple, daily actions you can take to help and be a part of the campaign for cleaner air.

Together, we can go green, breathe clean.

maintain your car
breathe better



- air quality index
- driving/walking routes
- commute info
- report smoking vehicles



think . share . connect .

Kick back, hang out, feel free to surf and browse our Web site. Learn more about simple daily actions you can adopt to improve air quality. Here's one: how about combining your errands into one quick trip - you save on gas, time, and you're helping the air.

While you're here, why not sign up

contact us

When it comes to our air,
inflation is a good thing.

By keeping your tires properly inflated you'll increase gas mileage, decrease your emissions and save money. And that's a very good thing.

For more tips on how you can do your part click on airnorthtexas.org.



www.airnorthtexas.org

CONTACT INFORMATION

Carrie Reese
Program Manager
Air Quality Policy & Program Development
817-608-2353
creese@nctcog.org

www.nctcog.org/trans/air

www.nctcog.org/arra