

North Texas Air Quality Update

LBDC Meeting

March 24, 2010

**Mindy Mize
Transportation Department**

NORTH TEXAS AIR QUALITY UPDATE

Topics

Overview

2009 Ozone Season Update

**Reclassification of Ozone Nonattainment
Area**

**Reconsideration of 2008 8-Hour Ozone
Standard**

NCTCOG Air Quality Programs

Overview

OVERVIEW

North Central Texas Council of Governments

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

Responsibilities Include Reducing Congestion, Enhancing Mobility, and Improving Air Quality

OVERVIEW

Summary of North Central Texas Council of Governments Roles

Identify Needs and Opportunities

Gather Financial Resources for the Region

Coordinate with Partners and Stakeholders

Implement Grant Funding Programs

Facilitate Enforcement Programs

Identify and Assimilate Best Practices and Policies

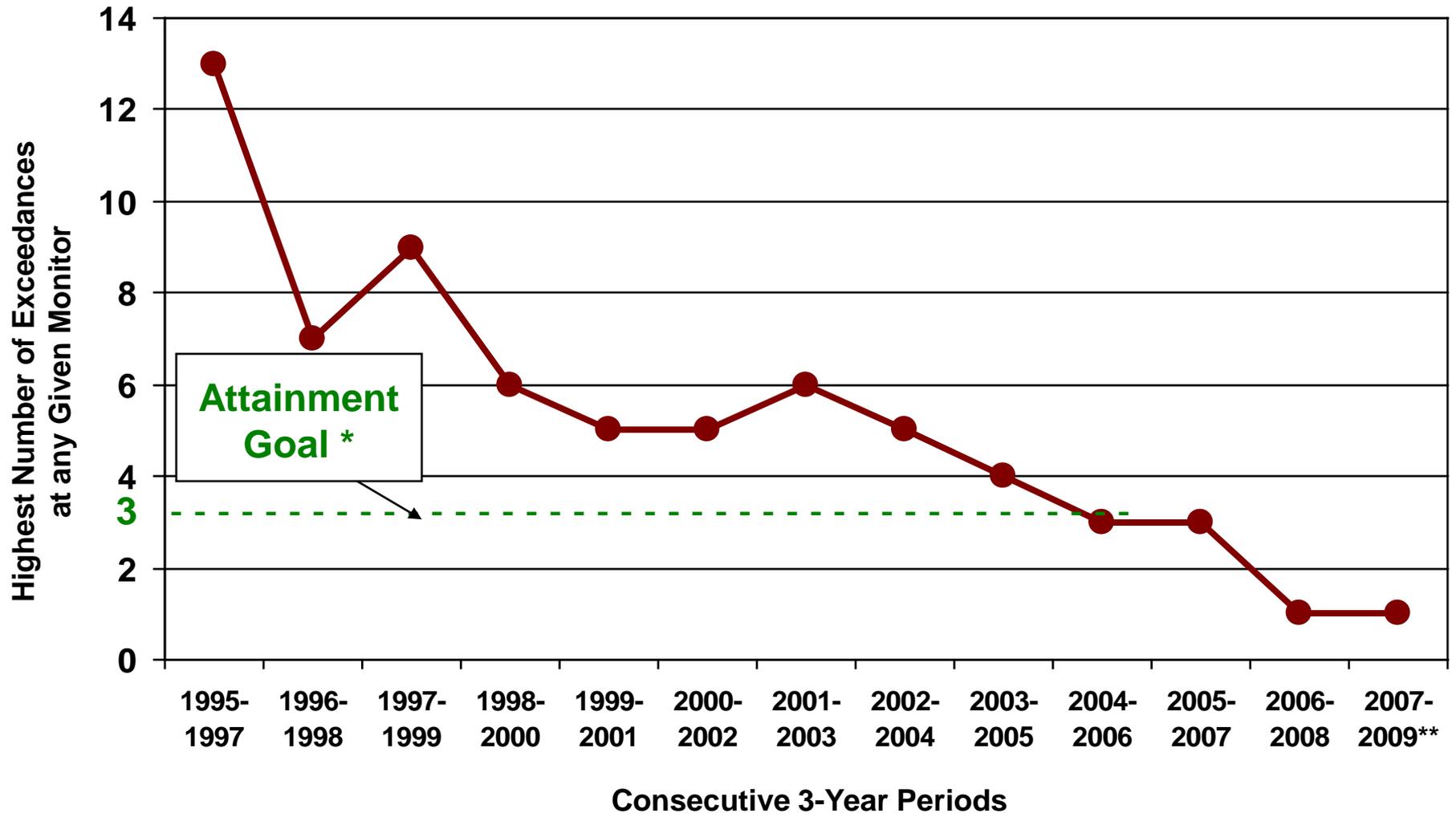
Educate Public and Industry on Clean Vehicles

Conduct Demonstration/Pilot Programs

2009 Ozone Season Update

2009 OZONE SEASON UPDATE

1-Hour Ozone Historical Trends

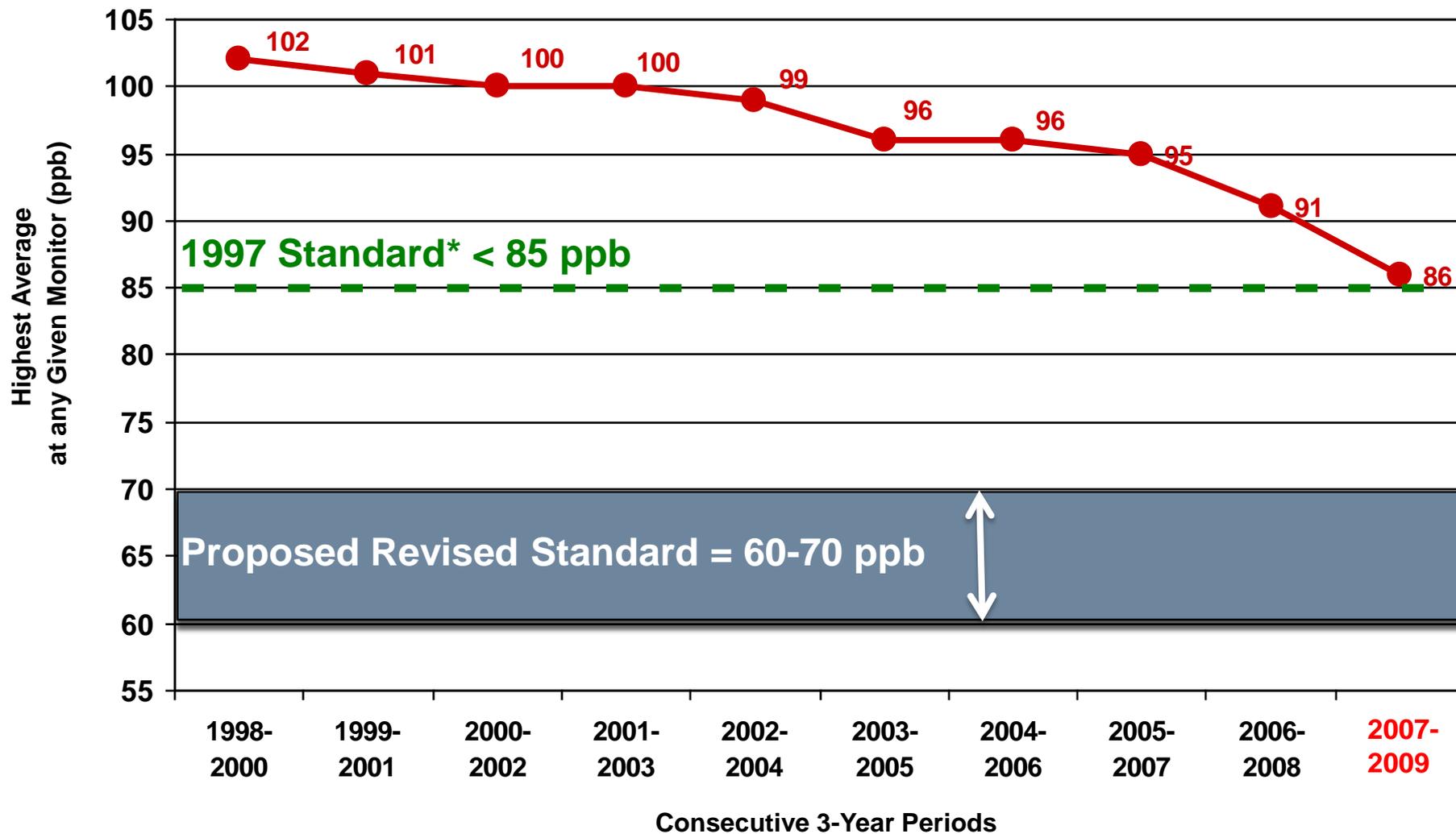


* Attainment Goal - According to the US EPA National Ambient Air Quality Standards, attainment is reached when there are no more than 3 exceedances per monitor within a consecutive 3-year period. An exceedance occurs when the ozone concentration ≥ 125 parts per billion averaged over a one hour period.

** Not a full year of data. Current as of August 2009
Source: NCTCOG Transportation Dept

2009 OZONE SEASON UPDATE

North Central Texas 8-Hour Ozone Historical Trend



* 2010 Attainment Goal - According to the US EPA National Ambient Air Quality Standards, attainment is reached when, at each monitor, the three-year average of the annual fourth-highest daily maximum 8-hour average ozone concentration is less than 85 parts per billion (ppb).

Reclassification of Ozone Nonattainment Area

RECLASSIFICATION OF NONATTAINMENT AREA

Clean Air Act Mandated Control Strategies

Category	Moderate Area Strategies	Serious Area Strategies
Reasonably Available Control Technology (RACT)	Impose RACT on all major sources emitting more than 100 tons per year	Impose RACT on all major sources emitting more than 50 tons per year
Reasonable Further Progress (RFP)	Impose a 15% reduction in NO _x (4 core counties) and VOCs (5 perimeter counties) in 6 years (by 2008)	Reduce VOCs 3% annually after year 6 until the attainment date
Offsets	Require 1.15 to 1 offsets	Require 1.2 to 1 offsets
Inspection and Maintenance (I&M)	Adopt basic vehicle I&M program	Adopt enhanced vehicle I&M program
Vapor Recovery	Require Stage 1 vapor recovery at gas stations selling more than 10,000 gallons per month	Expand to Stage 2 vapor recovery
Texas Clean Fleet Program	N/A	Requires private, local government, and transit fleet owners to acquire a percentage of low emission vehicles when replacing or adding fleet
Transportation Control Measures (TCM)	N/A	Adopt TCMs
Monitoring	N/A	Improve Monitoring

RECLASSIFICATION OF NONATTAINMENT AREA

Timeline

DRAFT

Important Dates		Reclassification of Moderate Nonattainment Area
2010	May 1	TCEQ submits certified 2009 ozone data to EPA
	June/July	Estimated timeframe for EPA to propose reclassification action
	December	EPA submits final action for reclassification
2011	December	DFW Revised SIP to EPA
2013	June 15	Serious Attainment Date based on 2010–2012 ozone data

Reconsideration of 2008 8-Hour Ozone Standard

RECONSIDERATION OF 2008 OZONE STANDARD

History

EPA re-evaluates standards every five years.

In March 2008, EPA revised the 8-hour ozone standard from 0.08 parts per million (ppm) to 0.075 ppm.

The Texas Commission on Environmental Quality (TCEQ) recommended 10 counties in North Central Texas to be designated as nonattainment.

Existing 9 counties (Collin, Dallas, Denton, Ellis, Johnson, Kaufman, Parker, Rockwall, and Tarrant counties) plus Hood County

RECONSIDERATION OF 2008 OZONE STANDARD

Proposed Revision

Primary 8-Hour Standard

Protect Public Health

0.060-0.070 parts per million (ppm)

Secondary Standard

Protect Sensitive Vegetation & Ecosystems

7-15 ppm-Hours

Milestone

Public Hearings

Final Rule

State Designation Recommendations

Final Designations by EPA

State Implementation Plans Due

Attainment Dates

Date

February 2 & 4

August 31, 2010

January 2011

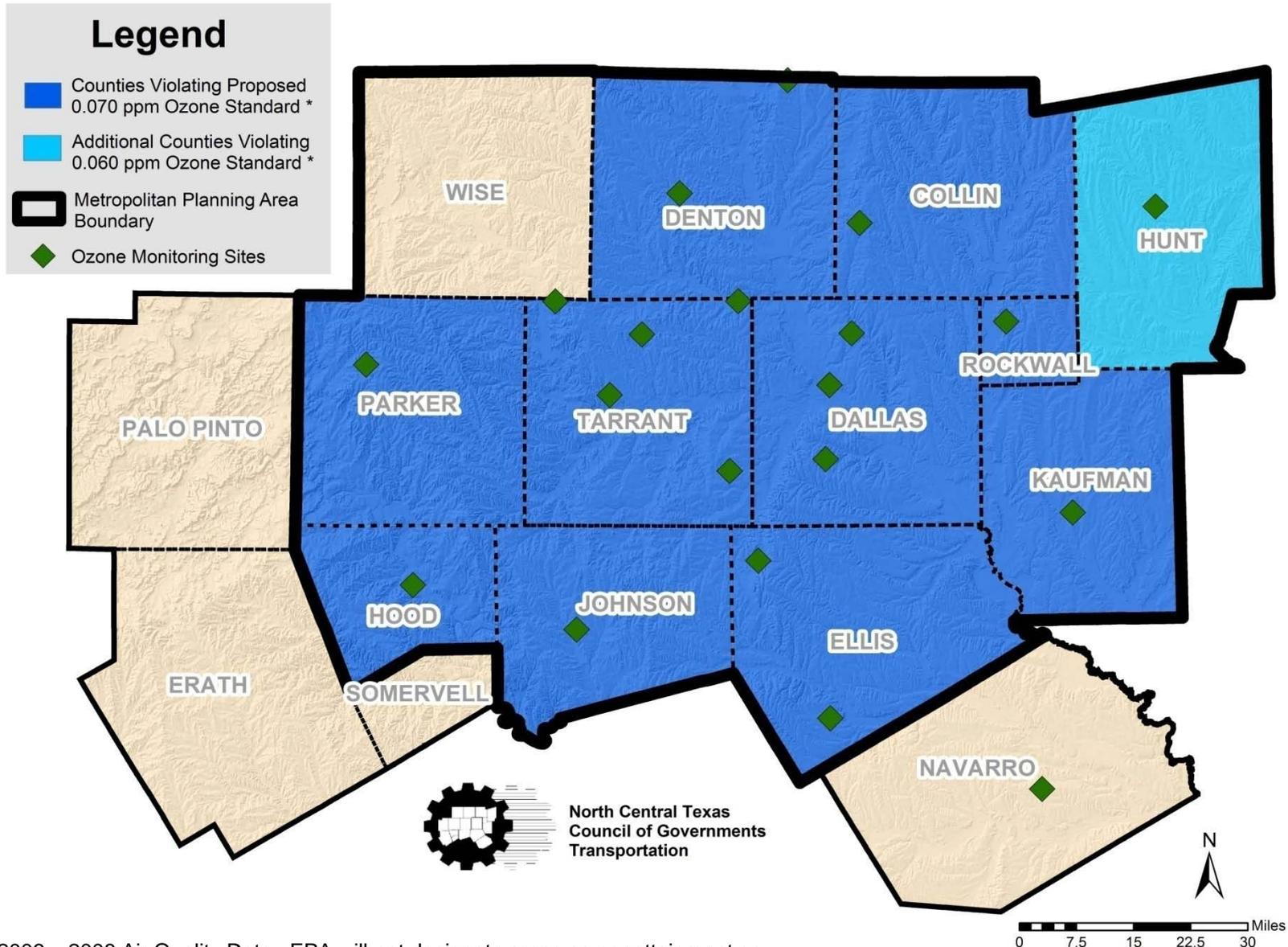
August 2011

December 2013

2014-2031

RECONSIDERATION OF 2008 OZONE STANDARD

Primary Standard

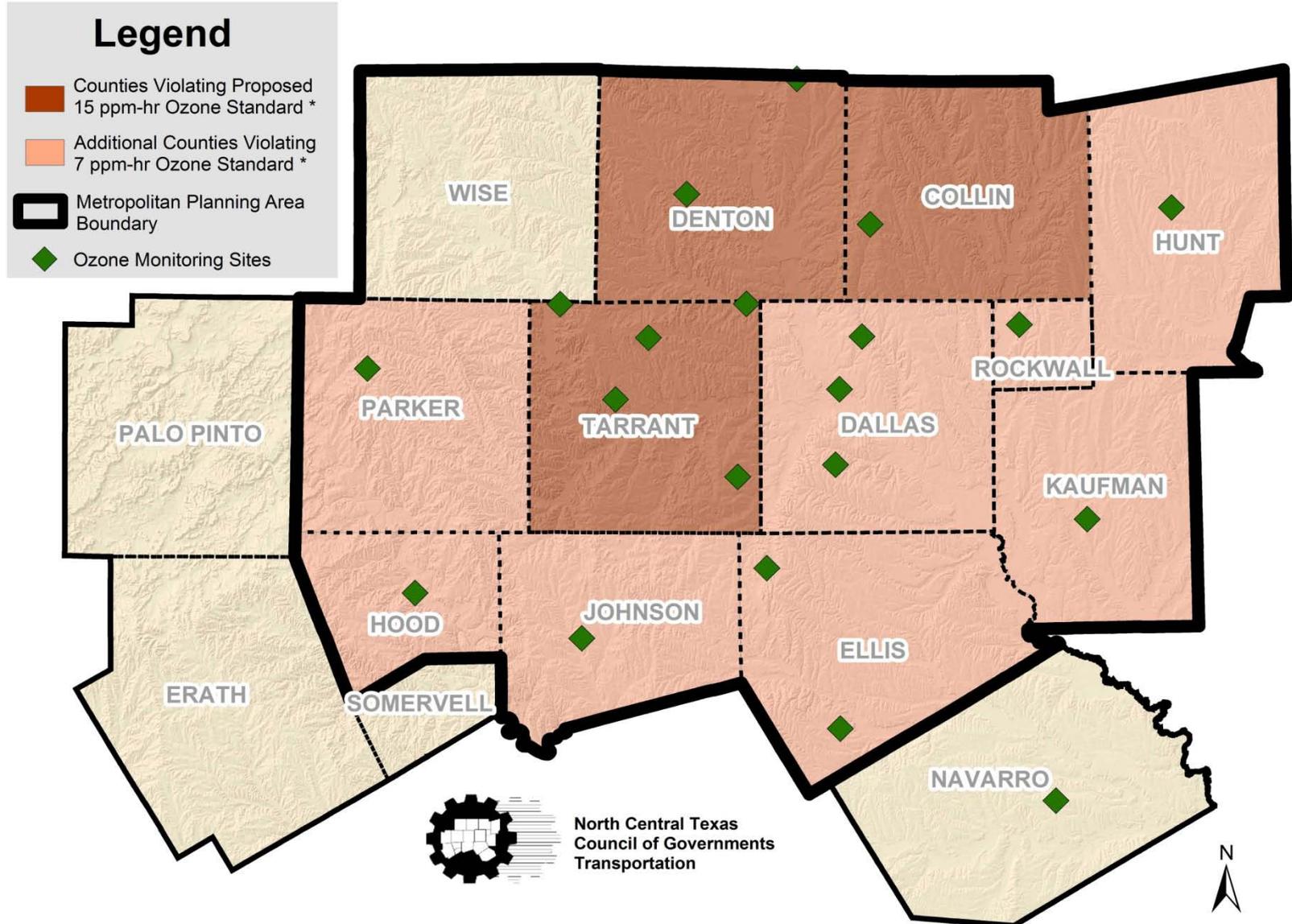


* Based on 2006 – 2008 Air Quality Data. EPA will not designate areas as nonattainment on these data, but likely on 2008 – 2010 data which are expected to show improved air quality.

Source: EPA; <http://www.epa.gov/groundlevelozone/pdfs/20100104maps.pdf>

RECONSIDERATION OF 2008 OZONE STANDARD

Secondary Standard



* Based on 2006 – 2008 Air Quality Data. EPA will not designate areas as nonattainment on these data, but likely on 2008 – 2010 data which are expected to show improved air quality.

NCTCOG Air Quality Programs

NCTCOG AIR QUALITY PROGRAMS

Clean Fleet Vehicle Policy

Goal to Minimize Emissions Among Public Sector Fleet Vehicles

98 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 Clark at 817-695-9232 or lclark@nctcoq.org

<http://www.nctcoq.org/fleetpolicy>

NCTCOG AIR QUALITY PROGRAMS

Clean Regulated Fleets

North Texas Green & Go Clean Taxi Partnership

Dallas Sustainable Skylines Initiative

Grant Opportunity

\$5,000 Awards for Cleaner Vehicles

Taxi Companies/Individual Operators

Incentives

Longer Service Allowances

Extensive Marketing Campaign

Future Program Expansion

Additional Fleets and Funding Model

Limousines, Courtesy Vans, Shuttles, etc.

Expanded Outreach Efforts

Incorporation into Regional Authority



NCTCOG AIR QUALITY PROGRAMS

Electric Vehicles North Texas

Goals

Launch Market for Electric Vehicles
Infrastructure Development and Installation

Regional Coalition

Electric Utility Companies
Regional Governments
Local Businesses
EV Industry Leaders



Statewide Coordination

Corridor Recharging Infrastructure

NCTCOG AIR QUALITY 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 – September 30, 2009

15,602 Vehicles Retired and Replaced

19,585 Repaired

www.DriveaCleanMachine.org



NCTCOG AIR QUALITY PROGRAMS

Regional 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 7,222 Notifications since January 2008

NCTCOG AIR QUALITY PROGRAMS

Dallas-Fort Worth Clean Cities Coalition

Goal

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**



NCTCOG AIR QUALITY PROGRAMS

Air North Texas

A public awareness campaign that encourages residents of North Texas to make clean air choices.

Composed of a coalition of regional organizations committed to improving the air in North Texas.

Air North Texas aims to generate a consistent region-wide brand that promotes behavioral and lifestyle changes that impacts our health and the environment.



Don't be in such a rush.

The faster you go the more gas you use and the more emissions you create. So get your foot off the gas; it's the only slow approach to clean air we endorse.

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

Consejo de Aire Limpio #15
Cuéntele a un amigo.
Los vehículos causan casi más de la mitad de la contaminación del aire en nuestra región. Proteja su salud y el medio ambiente eligiendo opciones de aire limpio. Encuentre más consejos en airnorthtexas.org

air northtexas
www.airnorthtexas.org



North Texas Clean Air Coalition

Regional Partners – Business Outreach

The North Texas Clean Air Coalition is the only nonprofit organization in the region dedicated solely to encouraging voluntary efforts to improve air quality in North Texas through educating, engaging, and recognizing the business community.

www.workingforcleanair.org

Working for
cleanair™



NORTH TEXAS AIR QUALITY UPDATE

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www.nctcog.org/trans/air

www.nctcog.org/aqfunding

2009 OZONE STATUS AND FEDERAL ACTIONS

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