

Regional and Local Air Quality Update

Forth Worth Chamber's Environment & Safety Committee

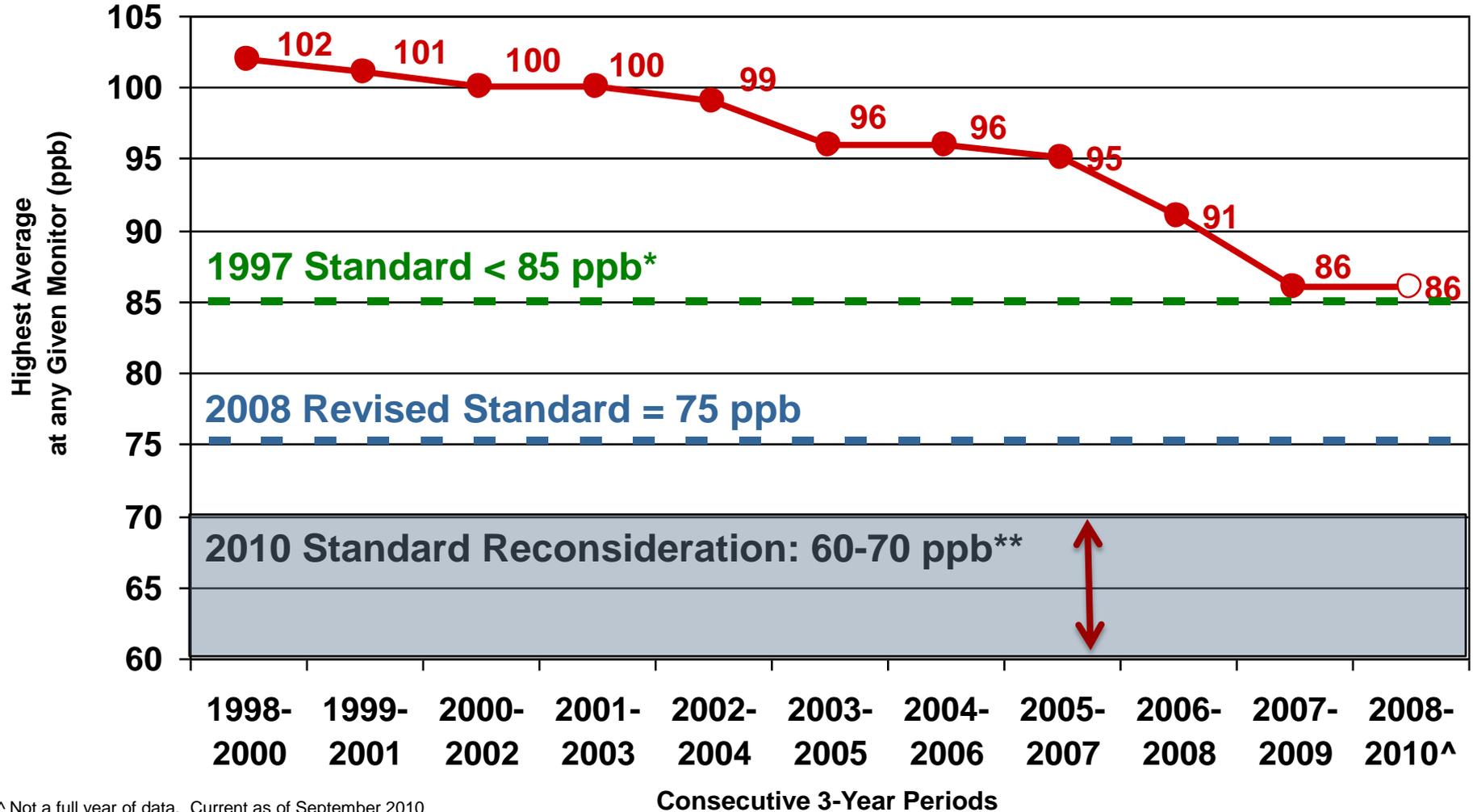
September 28, 2010



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North Central Texas Council of Governments

8-HOUR OZONE HISTORICAL TRENDS

DFW Nonattainment Area



[^] Not a full year of data. Current as of September 2010

* 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).

** Ozone Standard is currently under reconsideration by the EPA and is anticipated to be revised in October 2010 to between 60 and 70 ppb.

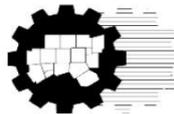
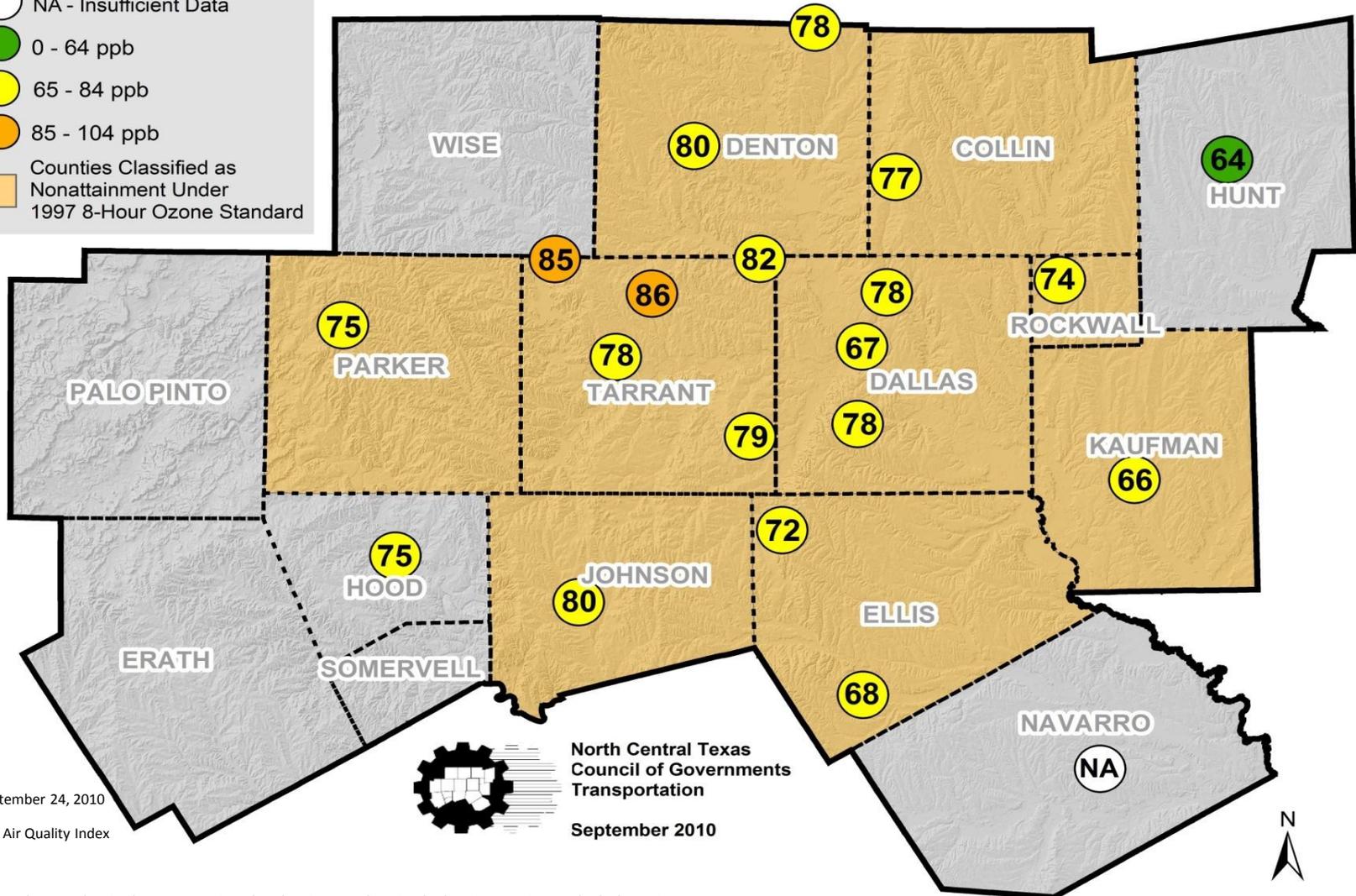
2010 OZONE SEASON UPDATE

8-Hour Ozone Design Values

Legend

2008-2010 Design Value (ppb)

- NA - Insufficient Data
- 0 - 64 ppb
- 65 - 84 ppb
- 85 - 104 ppb
- Counties Classified as Nonattainment Under 1997 8-Hour Ozone Standard



North Central Texas
Council of Governments
Transportation

September 2010



Current as of September 24, 2010

Colors represent Air Quality Index breakpoints

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

CLEAN AIR ACT MANDATED STRATEGIES

Category	Moderate Area Strategies	Serious Area Strategies
Reasonably Available Control Technology (RACT)	Impose RACT on all major sources emitting more than <u>100 tons per year</u>	Impose RACT on all major sources emitting more than <u>50 tons per year</u>
Volatile Organic Compounds (VOCs)	Impose a 15% reduction in VOCs in 6 years	Meet all requirements for moderate areas, and: <ul style="list-style-type: none"> • Reduce VOCs 3% annually for years seven through nine • Adopt contingency measures if the area does not meet required VOC reductions
Offsets	Require <u>1.15</u> to 1 offsets	Require <u>1.2</u> to 1 offsets
Inspection and Maintenance (I&M)	Adopt <u>basic</u> vehicle I&M program	Adopt <u>enhanced</u> vehicle I&M program
Vapor Recovery	Require vapor recovery at gas stations selling more than 10,000 gallons per month	<i>No additional requirements for serious classification</i>
Clean Fleet Program	N/A	Require fleet vehicles to use clean alternative fuels
Transportation Control Measures (TCM)	N/A	Adopt TCMs
Monitoring	N/A	Improve Monitoring

RECLASSIFICATION OF NONATTAINMENT AREA

Timeline

Important Dates		Reclassification of Moderate Nonattainment Area
2010	May 1	TCEQ Submits Certified 2009 Ozone Data to EPA
	August	Estimated Timeframe for EPA to Propose Reclassification Action
	December	EPA Issues Final Action for Reclassification
2011	January	Revised DFW Air Quality Plan to EPA
2013	June 15	Serious Attainment Date Based On 2010–2012 Ozone Data

Reconsideration of 2008 8-Hour Ozone Standard

OZONE STANDARD RECONSIDERATION

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

Date

Final Rule

October 29, 2010

State Designation Comments Due

November 3, 2010

State Designation Recommendations

January 2011*

EPA Designations & Classifications

July 2011*

State Implementation Plans Due

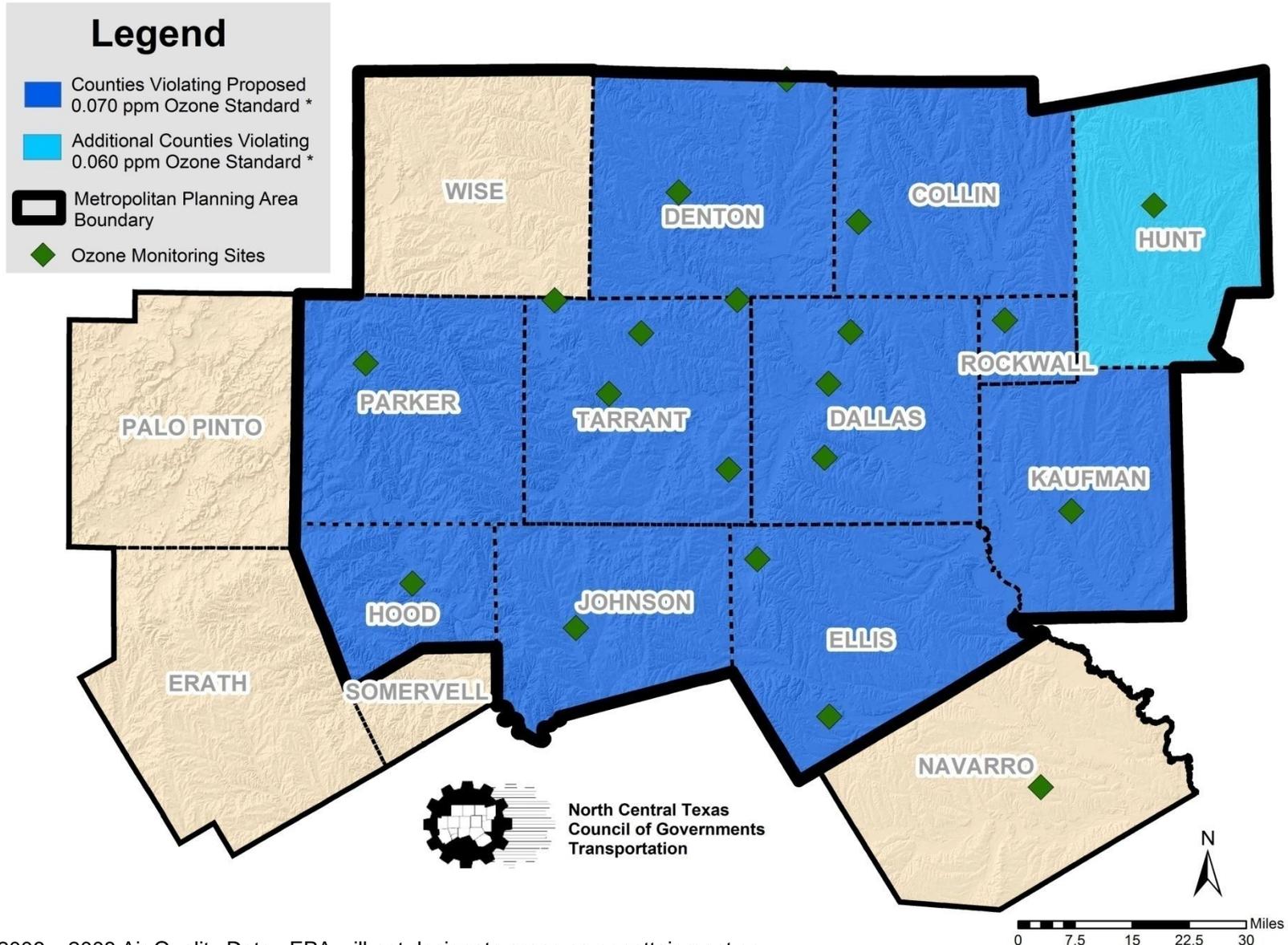
December 2013*

Attainment Dates

2014-2031

RECONSIDERATION OF 2008 OZONE STANDARD

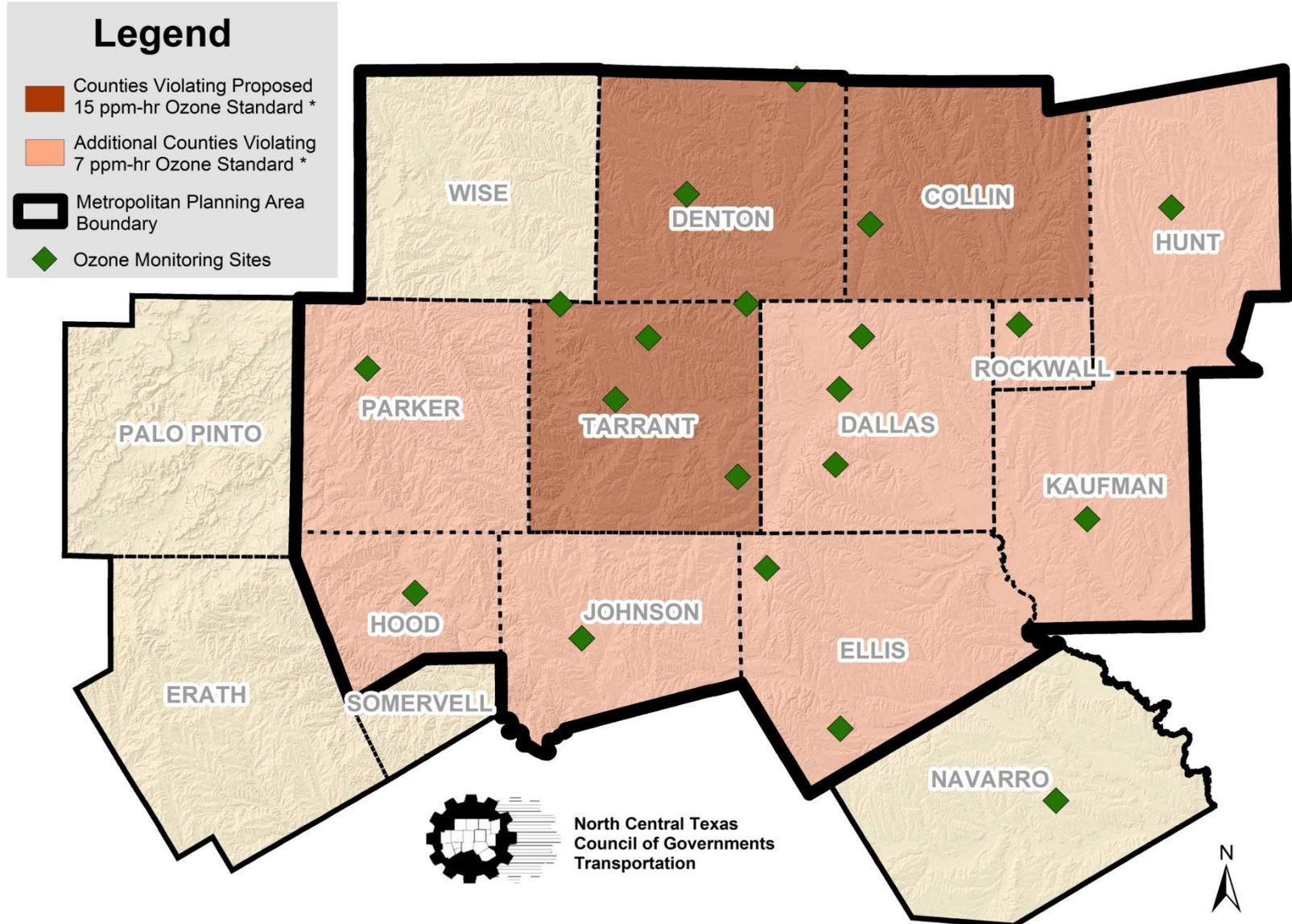
Primary Standard



* 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.

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.

CLEAN AIR INITIATIVE SUGGESTIONS

Commuter Programs

Transit

Vanpool

Carpool

TryParkingIt.com

Incentives

Offer so employees participate in commuter programs

Business Operations

Telecommuting

Flexible Scheduling

Energy Efficiency

Recycle/Renew

Green Building

Sustainable Development

CLEAN AIR INITIATIVE SUGGESTIONS

Clean Vehicle and Fleet Operations

Address Vehicle Acquisitions

Limit Vehicle Idling

Maintain Vehicles

Provide Alternative fuel/Electric Recharging Stations

Participate in Dallas-Fort Worth Clean Cities Coalition

Complete Annual Fleet Survey

**Operate a Fleet of Clean Vehicles for Car- or
Vanpools**

Delay Use of Two-Cycle Engines

REGIONAL AND LOCAL AIR QUALITY UPDATE

Conclusion

Region Experiences Cleanest Air on Record

Monitor Success => Control Strategies => Inventories

On-Road Mobile Sources Continue Significant Decline

Extensive Array of Emission Reduction Control Strategies

Major Challenges on Horizon

REGIONAL AND LOCAL AIR QUALITY UPDATE

Contact Information

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