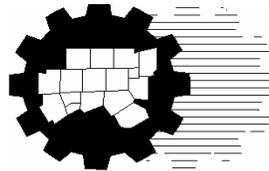


# **TEXAS EMISSIONS REDUCTION PLAN (TERP)**

**Tower 55 Technical Advisory Group  
August 28, 2008**



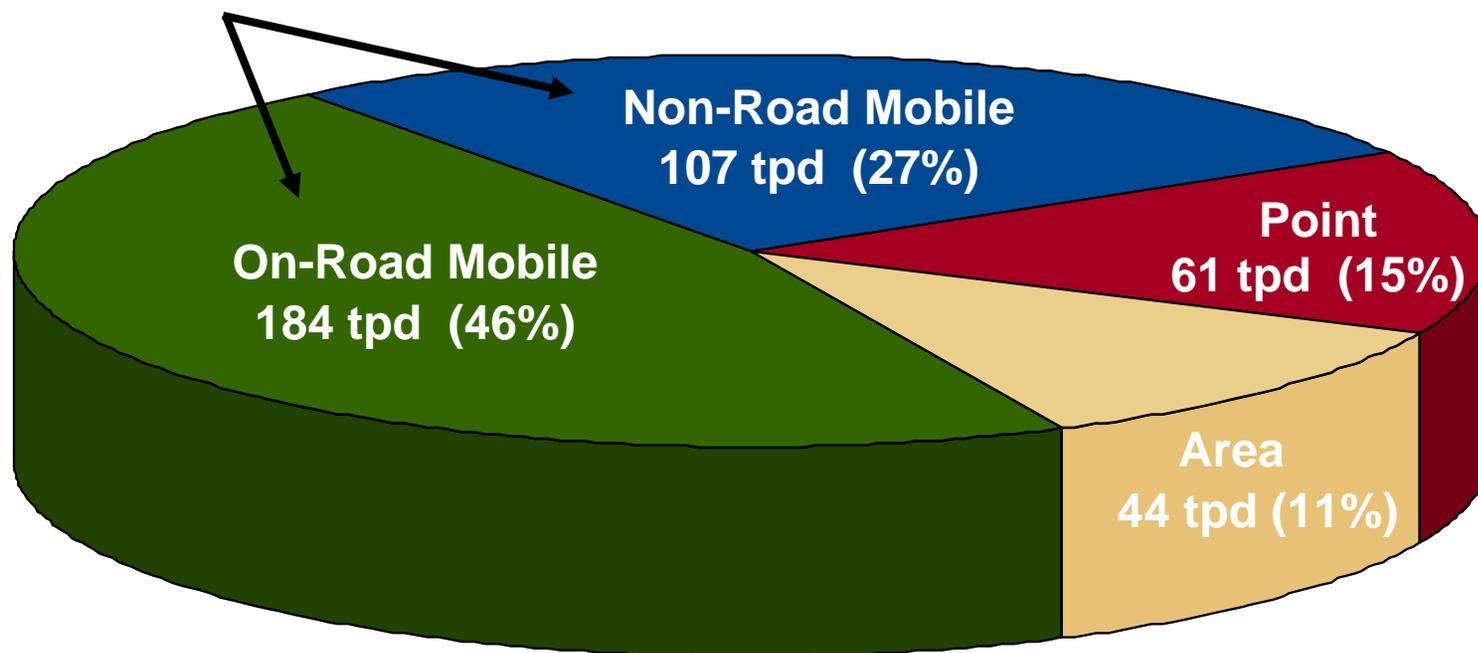
**Amanda Brimmer, E.I.T.  
North Central Texas Council of Governments**

# 2009 NO<sub>x</sub> EMISSIONS INVENTORY

## DFW Source Category Estimates

Total Mobile Sources

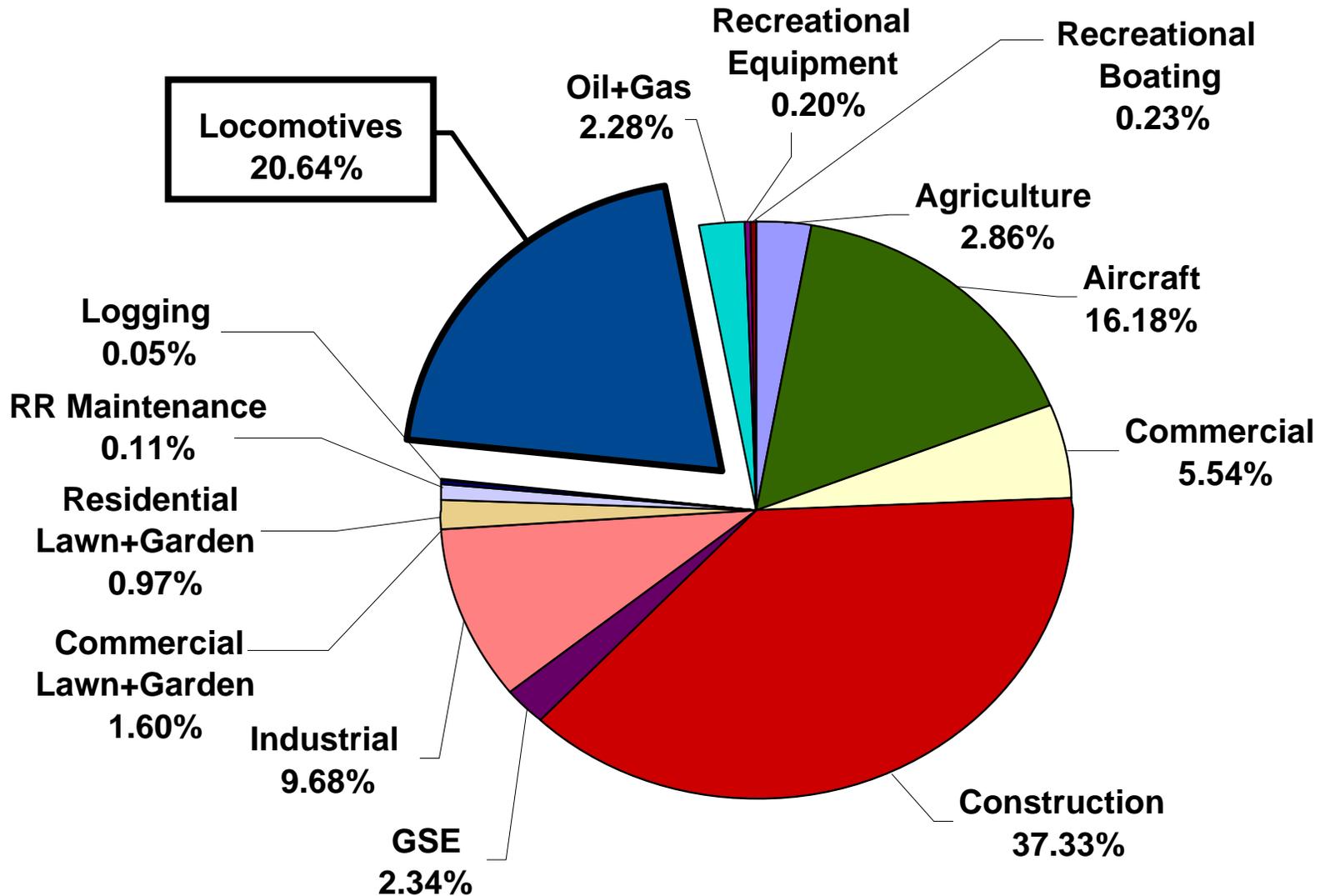
73%



**Total Nitrogen Oxide (NO<sub>x</sub>) Emissions  
= 396 Tons Per Day (tpd)**

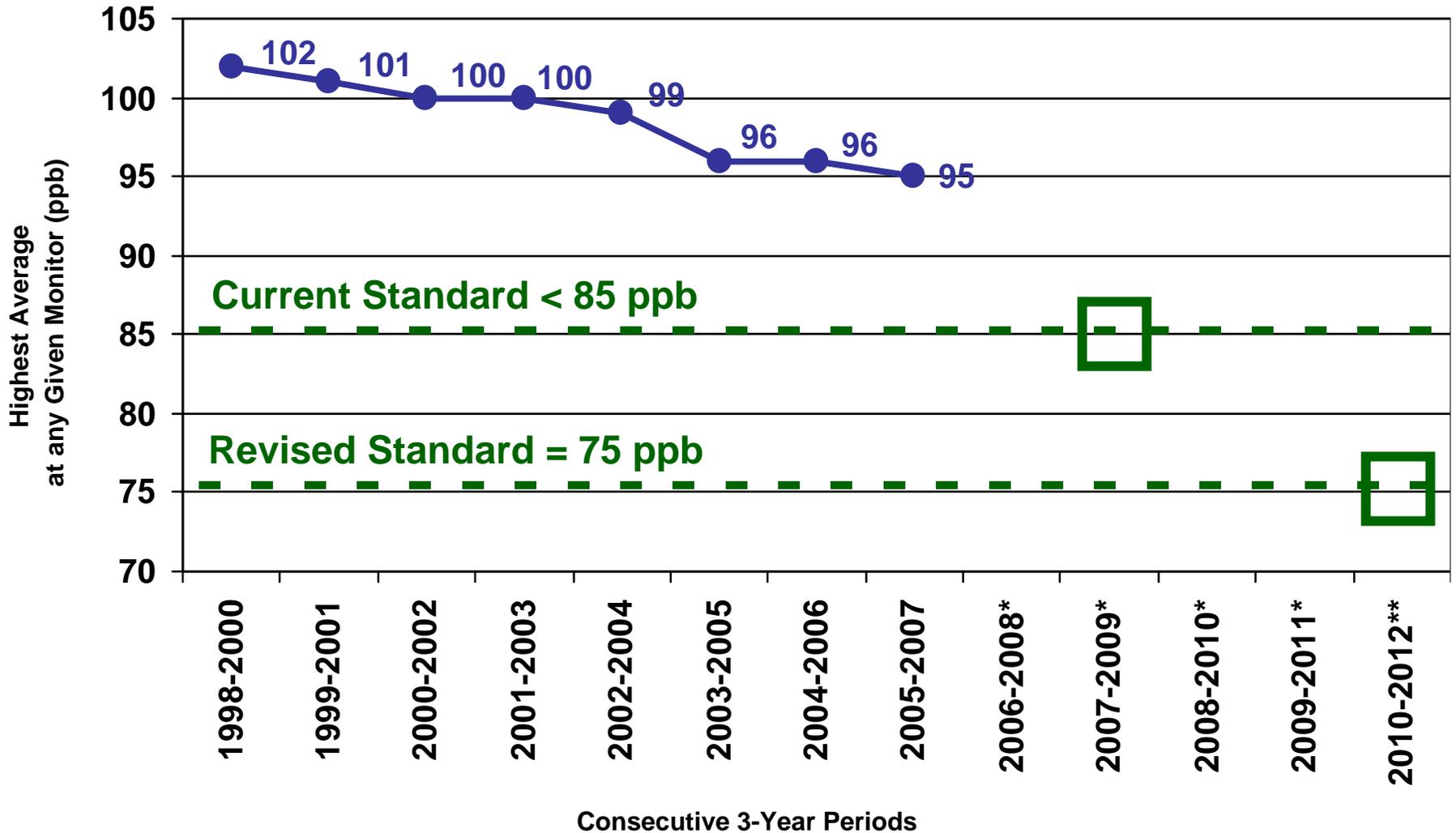
# DFW NONATTAINMENT AREA

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



# 8-HOUR OZONE HISTORICAL TRENDS\*

## DFW Nonattainment Area



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 the standard. parts per billion (ppb).

Source: NCTCOG TR Dept – August 2008

\* Ozone Seasons have not yet concluded/occurred

\*\* Earliest possible attainment date under new standard (NOTE: EPA has not yet determined an attainment date for the DFW area. Designations will occur by March 2010)

# TEXAS EMISSIONS REDUCTION PLAN

## Background

**Established in 2001 by the 77<sup>th</sup> Texas Legislature  
Through Senate Bill 5**

**Revised 1-Hour Ozone Attainment Demonstration SIP  
to Replace Deleted Control Measures:**

- **Accelerated Purchase of Tier 2/3 Non-Road Diesel Equipment**
- **Heavy-Duty Construction Equipment Operating Restrictions**

**Funded in 2003 by the 78th Texas Legislature at \$150  
Million Per Year for Fiscal Year 2004-2008**

**Extended in 2005 by the 79th Texas Legislature  
Through Fiscal Year 2010**

# **TEXAS EMISSIONS REDUCTION PLAN**

## **80th Texas Legislature Passed Senate Bill 12**

**Extended TERP Through Fiscal Year 2013**

**Increased Cost Effectiveness to \$15,000 Per Ton NO<sub>x</sub>**

**Expanded Areas Eligible for TERP Funding to Include  
Major Intrastate Highway Transportation Corridors**

**Added Rail Relocation and Improvement as Eligible  
Project Type**

**Included as Control Measure in DFW 8-Hour Ozone  
Attainment Demonstration State Implementation Plan**

**Attainment Date = June 15, 2010**



# TERP Eligible Counties

## Austin Area:

Bastrop  
Caldwell  
Hays  
Travis  
Williamson

## Houston-Galveston-Brazoria:

Brazoria  
Chambers  
Fort Bend  
Galveston  
Harris  
Liberty  
Montgomery  
Waller

## Beaumont-Port Arthur:

Hardin  
Jefferson  
Orange

## Dallas-Fort Worth:

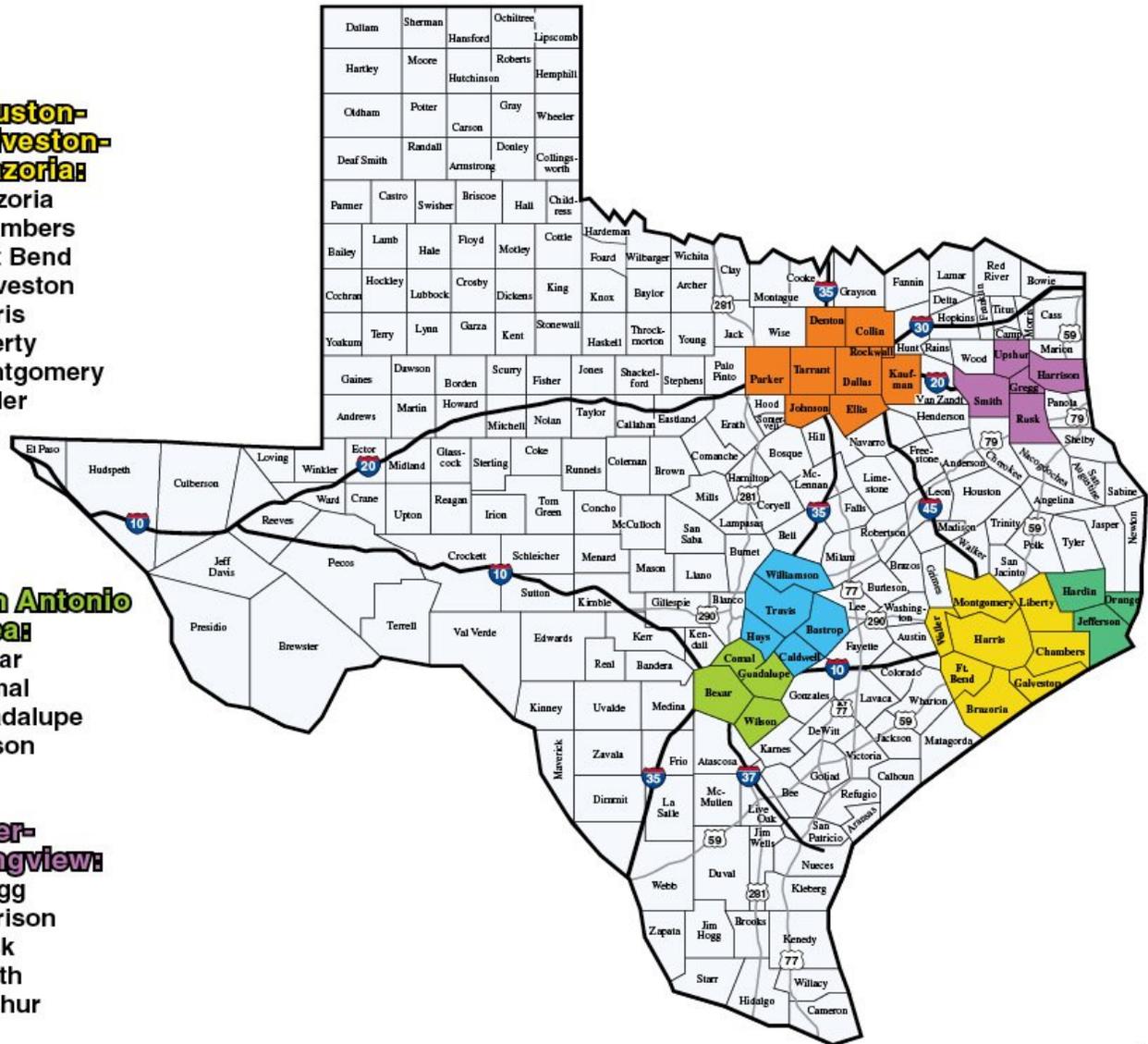
Collin  
Dallas  
Denton  
Ellis  
Johnson  
Kaufman  
Parker  
Rockwall  
Tarrant

## San Antonio Area:

Bexar  
Comal  
Guadalupe  
Wilson

## Tyler-Longview:

Gregg  
Harrison  
Rusk  
Smith  
Upshur



# TEXAS EMISSIONS REDUCTION PLAN

## Emissions Reduction Incentive Grants Program

### Eligible Categories

**On-Road**

**Non-Road**

**Marine Vessel**

**Locomotive**

**Stationary  
Equipment**

### Eligible Types of Projects

**New Purchase and Lease**

**Replacement**

**Repower**

**Retrofit or Add-On Device**

**Infrastructure**

**Rail Relocation and  
Improvement**

# TEXAS EMISSIONS REDUCTION PLAN

## Rail Relocation and Improvement

### Eligible Activities

**Relocation of Rail Lines to Reduce Number of Grade Crossings**

**Improvements at Rail Intersections**

**Other Improvements that Directly Reduce Locomotive and/or Vehicle Engine Idling at Rail Intersections**

**Projects may not exceed \$5,000 Per Ton of NO<sub>x</sub> Reduced**

**Improvements Not Directly Associated with Congestion at Rail Intersections are Not Eligible**

**Projects Must be Completed Within 18 Months After End of TCEQ Fiscal Year Funding is Awarded**

**(TCEQ FY is September – August)**

# TEXAS EMISSIONS REDUCTION PLAN

## Contact Information

**Next Round of Funding:**

**October/November 2008**

**Web site:** [www.terpgrants.org](http://www.terpgrants.org)

**E-mail:** [terp@tceq.state.tx.us](mailto:terp@tceq.state.tx.us)

**Toll Free:** 800-919-TERP (8377)