

# LOCALLY ENFORCED IDLING RESTRICTIONS

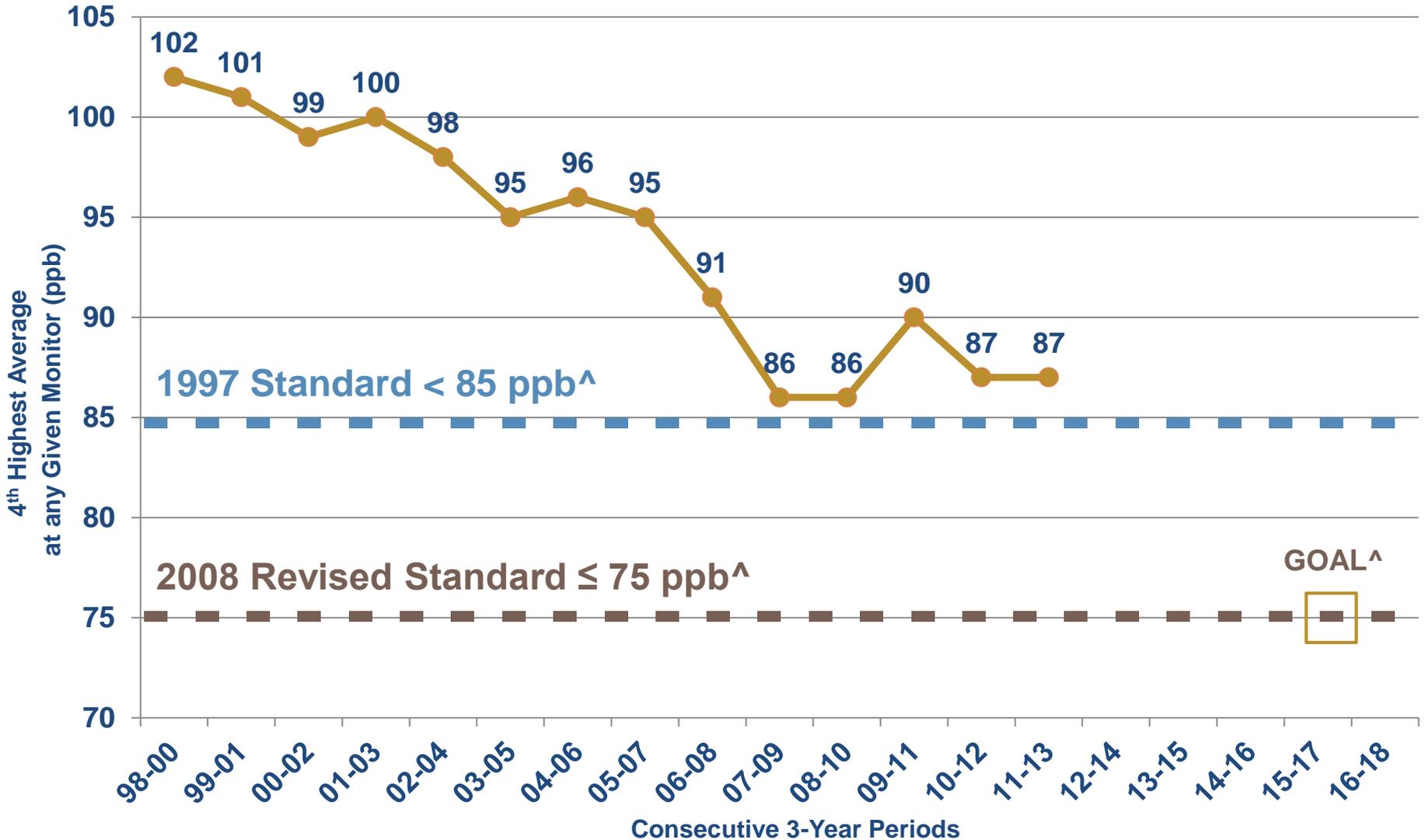
City of Denton  
City Council Work Session

March 18, 2014

Amanda Brimmer, Principal Air Quality Planner  
North Central Texas Council of Governments

# NORTH TEXAS AIR QUALITY UPDATE

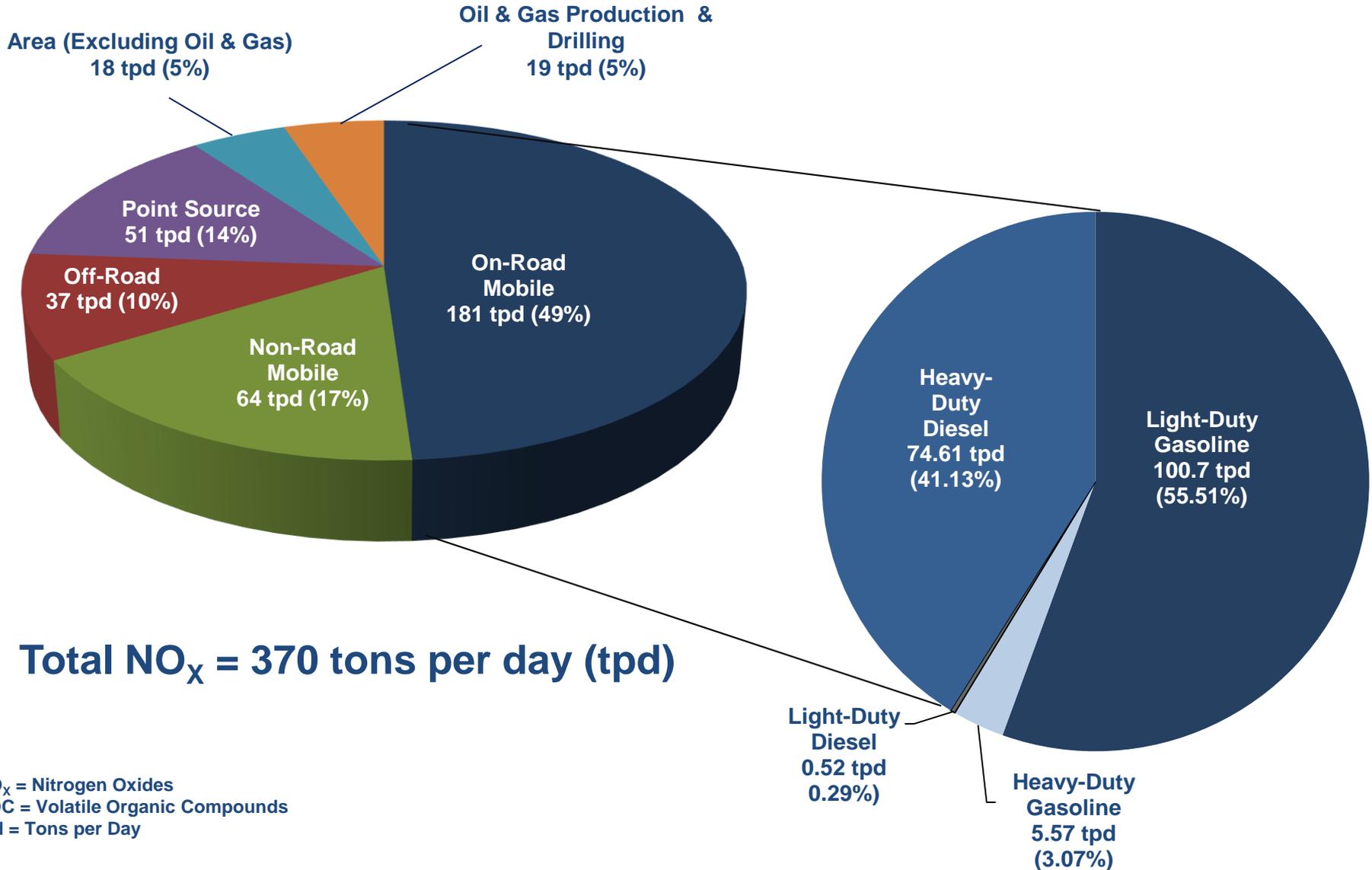
## 2008 8-Hour Ozone Standard Historical Trends



<sup>^</sup>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 equal to or less than 75 parts per billion (ppb).

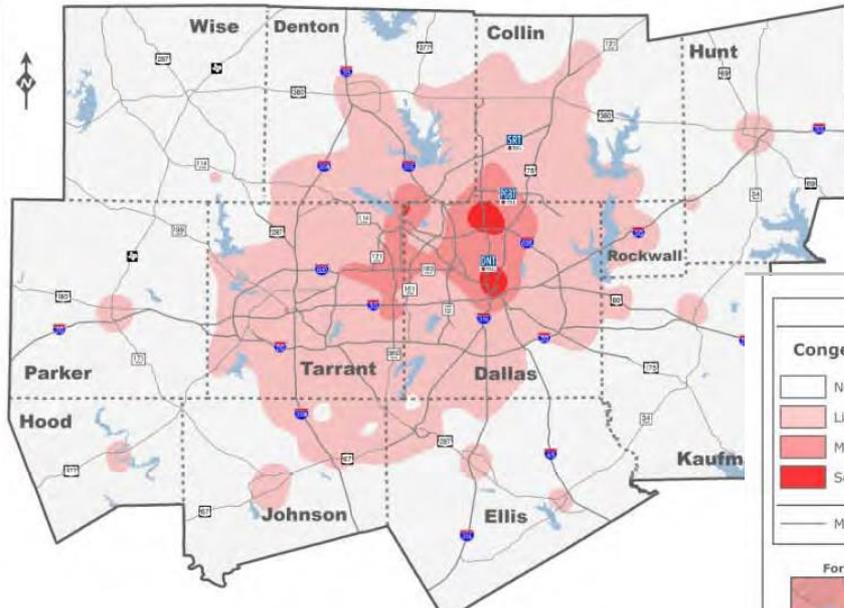
# NORTH TEXAS AIR QUALITY UPDATE

## 2012 Estimated NO<sub>x</sub> Emissions Inventories by Source



# LEVELS OF TRAFFIC CONGESTION

## North Central Texas



**2012**

**Legend**

**Congestion Index\***

- No Congestion
- Light Congestion
- Moderate Congestion
- Severe Congestion

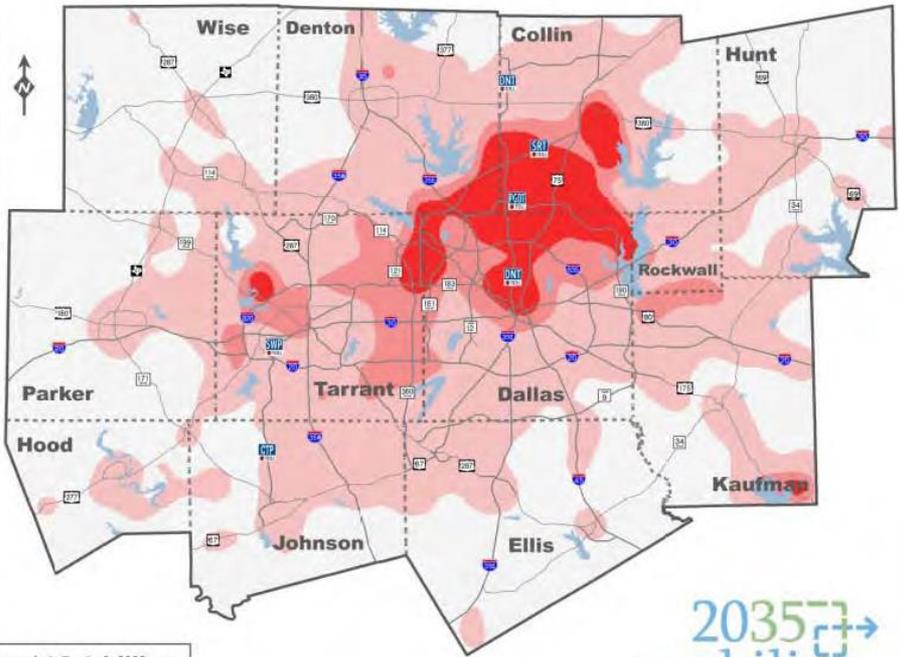
— Major Roads



**Cost of Congestion: \$10.1 billion**

\*Congestion Index is based on a percent increase in travel time.

**2035**



# VEHICLE IDLING

## Why Be Concerned?

### Health

Exhaust Inhalation  
Impacts of Poor Air Quality

### Environment

200,000 Tons  $\text{NO}_x$  Each Year  
11 Million Tons of Carbon  
Dioxide ( $\text{CO}_2$ ) Each Year  
Elevated Noise Levels

### Energy Security

650,000 18-Wheelers → 685 Million Gallons of Fuel  
6.7% of Annual Fuel Use for Medium-Duty Vehicles

### Money

Zero Miles per Gallon; up to \$7,500/Year Spent on Fuel\*  
Decrease in Engine Life \ Increased Maintenance Costs



\*Assumes \$4.09 per gallon Diesel (04/12); 1,830 hours per year idling  
Source: Environmental Protection Agency (EPA), Department of Energy (DOE)

# LOCALLY ENFORCED IDLING RESTRICTIONS

## Overview

### Restriction

**No gasoline or diesel vehicle over 14,000 lbs. gross vehicle weight rating (GVWR) can idle for more than 5 minutes when vehicle is not in motion; in effect year round.**

### Exemptions



Vehicle Type	Operations	Location
With a sleeper berth and during a government mandated rest period	Power source for mechanical operations	Not within two (2) miles of a truck stop offering external heating/air conditioning
Airport ground support equipment		
Military, emergency, and law enforcement	Maintenance/ diagnostic purposes	
Armored vehicles	Windshield defrosting	
Buses (30 minute maximum)	Traffic congestion	
Certified clean idle engines (2008+)		

# LOCALLY ENFORCED IDLING RESTRICTIONS

## Applicability

### Types of Vehicles >14,000 lbs GVWR Include:

<b>Beverage Trucks</b>	<b>Garbage Trucks</b>	<b>Stake Trucks</b>
<b>Bucket Trucks</b>	<b>Heavy-Duty Utility Trucks</b>	<b>Step Vans</b>
<b>Delivery Trucks</b>	<b>Home Fuel Trucks</b>	<b>Tanker Trucks</b>
<b>Dump Trucks</b>	<b>Inner-City Tour Buses</b>	<b>Tow Trucks</b>
<b>Flat-Bed Trucks</b>	<b>Large Motor Homes</b>	<b>Tractor-Trailer Rigs</b>
<b>Fuel Trucks</b>	<b>Rack Trucks</b>	<b>Transit Buses</b>
<b>Furniture Trucks</b>	<b>School Buses</b>	<b>Utility Trucks</b>
	<b>Service Body Trucks</b>	



# LOCALLY ENFORCED IDLING RESTRICTIONS

## North Central Texas

### Cities

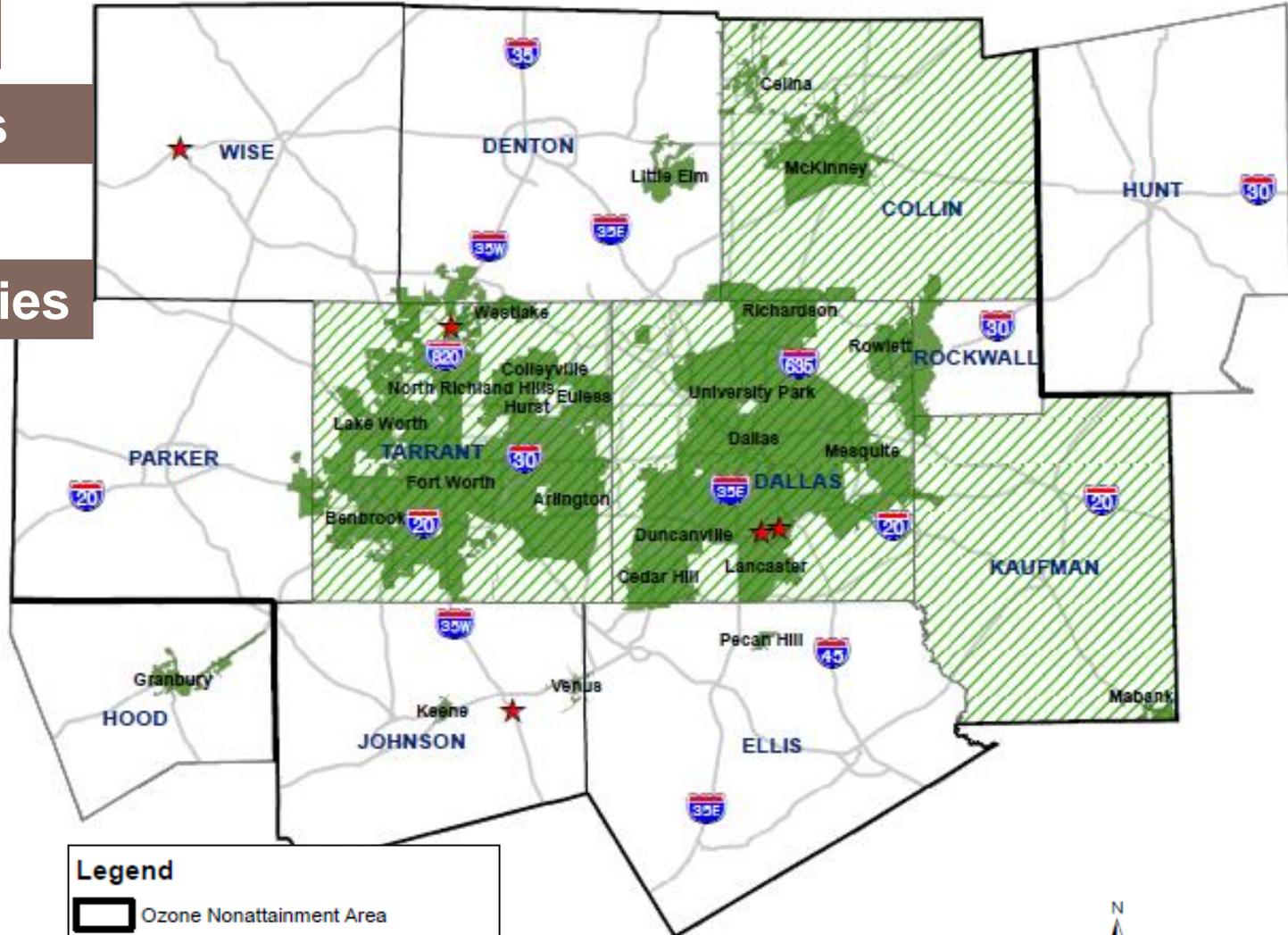
Arlington  
Benbrook  
Cedar Hill  
Celina  
Colleyville  
Dallas  
Duncanville  
Euless  
Fort Worth  
Granbury  
Hurst  
Keene  
Lake Worth  
Lancaster  
Mabank  
McKinney  
Mesquite  
North Richland Hills  
Pecan Hill  
Richardson  
Rowlett  
University Park  
Venus

### Towns

Little Elm  
Westlake

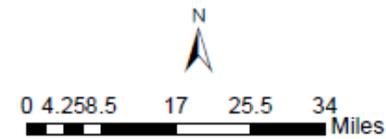
### Counties

Collin  
Dallas  
Kaufman  
Tarrant



### Legend

- Ozone Nonattainment Area
- Cities/Towns with Idling Restrictions
- Counties with Idling Restrictions
- Existing On-Site Infrastructure (Public)



# LOCAL GOVERNMENT IMPLEMENTATION

## Adoption

- 1) **Adopt City Anti-Idling Ordinance – OR –  
Sign North Texas Memorandum of Agreement (MOA) with the  
Texas Commission on Environmental Quality (TCEQ) to  
Enforce State Rule**

**State Rule Sets Minimum Standards**

**NCTCOG Encourages Consideration of Additional  
Restrictions:**

**Prohibition in Sensitive Areas**

**(i.e. school zones, hospitals, and neighborhoods)**

**Regulation of More Fuel Types and Weight Classes**

**Fewer Exemptions/Shorter Duration**

- 2) **Identify Personnel for Education and Enforcement Efforts**

# LOCAL GOVERNMENT IMPLEMENTATION

## Education and Outreach

### Identify Idling Hotspots

(i.e. warehousing districts, gas drilling sites, etc.)

Promote Awareness of Restrictions and Idle-Reduction  
Technology Options

### Available Outreach Items:

Local Government Guide

Anti-Idling Posters and Street Signs

Driver Education Brochures

Idling Complaint Hotline and Website

**877-NTX-IDLE**

**[www.EngineOffNorthTexas.org](http://www.EngineOffNorthTexas.org)**



# LOCAL GOVERNMENT IMPLEMENTATION

## Enforcement

### Local Government Action

**Identify Enforcement Personnel**

**Determine Procedures to Spot and Cite Violators**

**Establish Mechanism for Complaints to Be Reported**

**NCTCOG Hotline (forwarded to city contact(s))**

**City Phone Number and/or Webpage**

### Resource

**NCTCOG Emissions Database:**

**Access Provided to Law**

**Enforcement to Log Citations**



# REGIONAL EMISSIONS ENFORCEMENT PROGRAM

## Overview

Reduce Number of Fictitious/Counterfeit Inspection Certificates by:

- Conducting Covert Operations on State Inspection Stations
- Identifying Inspectors Performing Improper Inspections
- Prosecuting Offenders for Counterfeit Inspection Certificates
- Utilizing NCTCOG's Emissions Database (NED)

Enforce Truck Lane Restrictions

Support Anti-Idling Restrictions

Enforce Smoking Vehicle Statute

Train Local Law Enforcement Officers

Encourage Collaboration Between  
Counties to Increase Enforcement Efforts





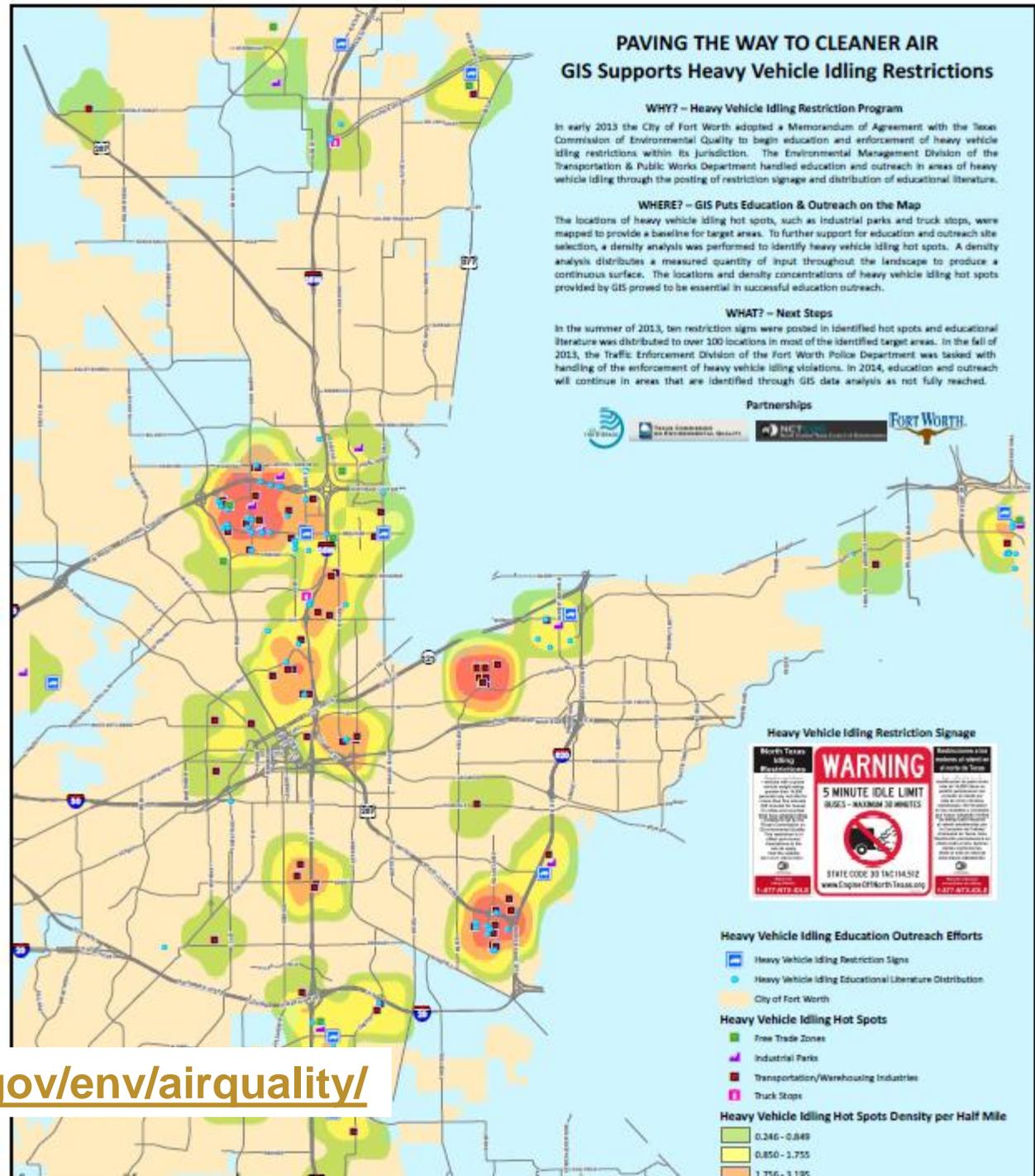
## Education

Posted signs in 10 locations city wide.

Distributed literature (brochures and posters) to 105 businesses to date.

Staff made personal visits to businesses reported for idling.

<http://fortworthtexas.gov/env/airquality/>



# NORTH TEXAS ANTI-IDLING EFFORTS

## City of Dallas

### Enforcement



### City Marshals Office – Illegal Dump Team

Investigate Idling complaints from citizens, City Council, other departments, 311 (CRMS), 911.

Patrol the City of Dallas monitoring idling vehicles.

Marshals issue citations to drivers of idling vehicles; fine not to exceed \$500.

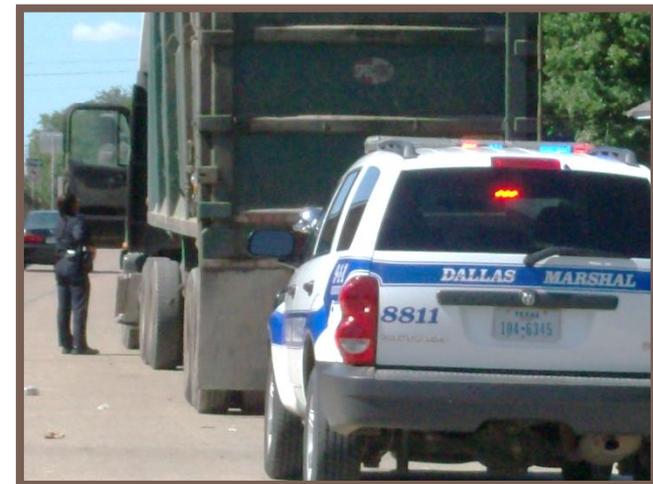
### Motor Vehicle Citations Issued by Fiscal Year

2010-2011 - 226 citations

2011-2012 - 185 citations

2012-2013 - 70 citations

<http://greendallas.net/air-quality/idling/>



# Contact Information

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