

NORTH TEXAS ENVIRONMENTAL EFFORTS

**Energy Efficiency Summit & Fair
July 15, 2017**

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North Central Texas
Council of Governments

CRITERIA POLLUTANTS

Carbon Monoxide

Lead

Nitrogen Dioxide

Particular Matter

Sulfur Dioxide

Ozone

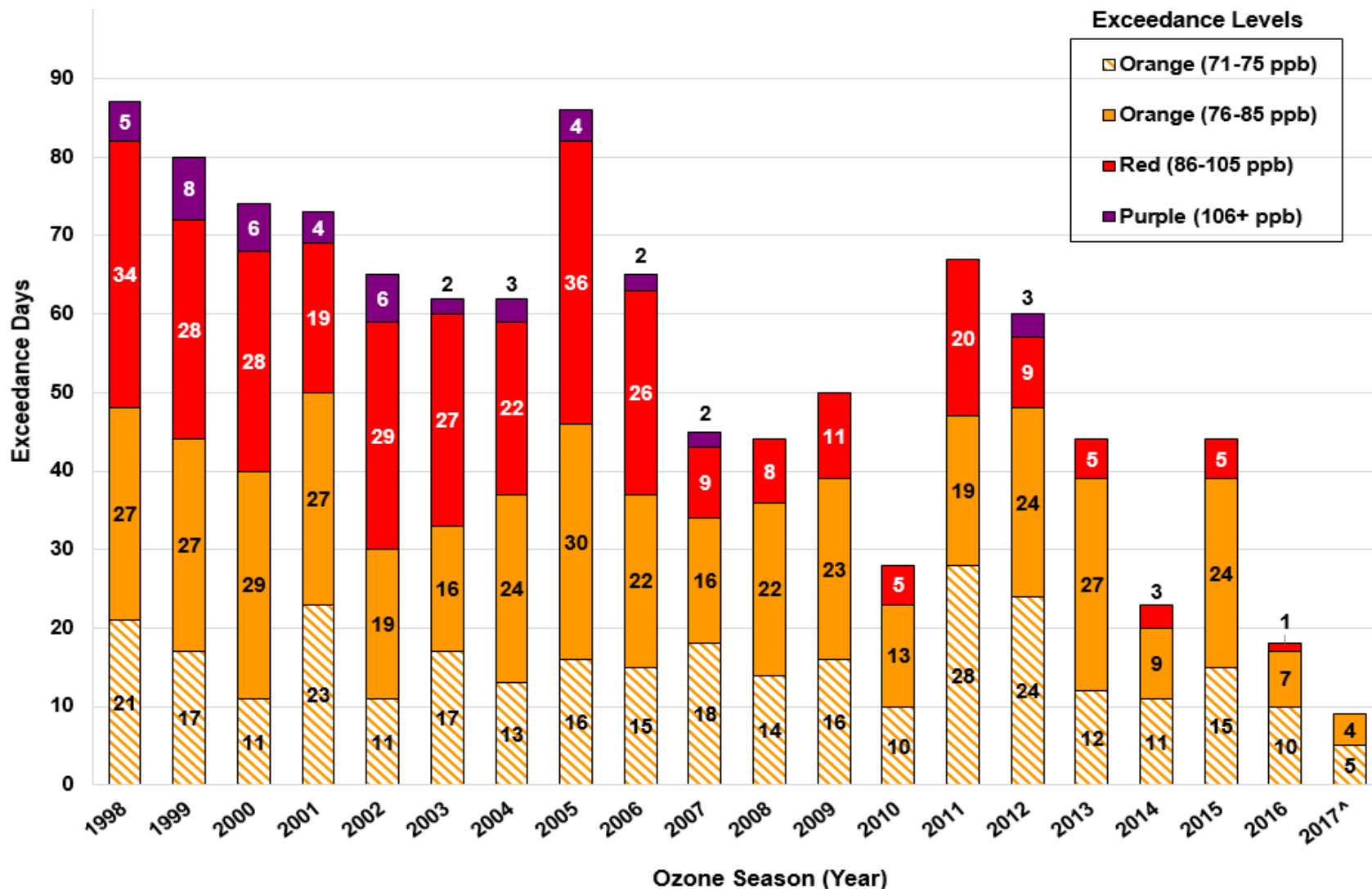
How are we doing?

What is the focus?

What is being done?

EIGHT-HOUR OZONE TRENDS

Eight-Hour Ozone Exceedance Days Based on ≤ 70 ppb



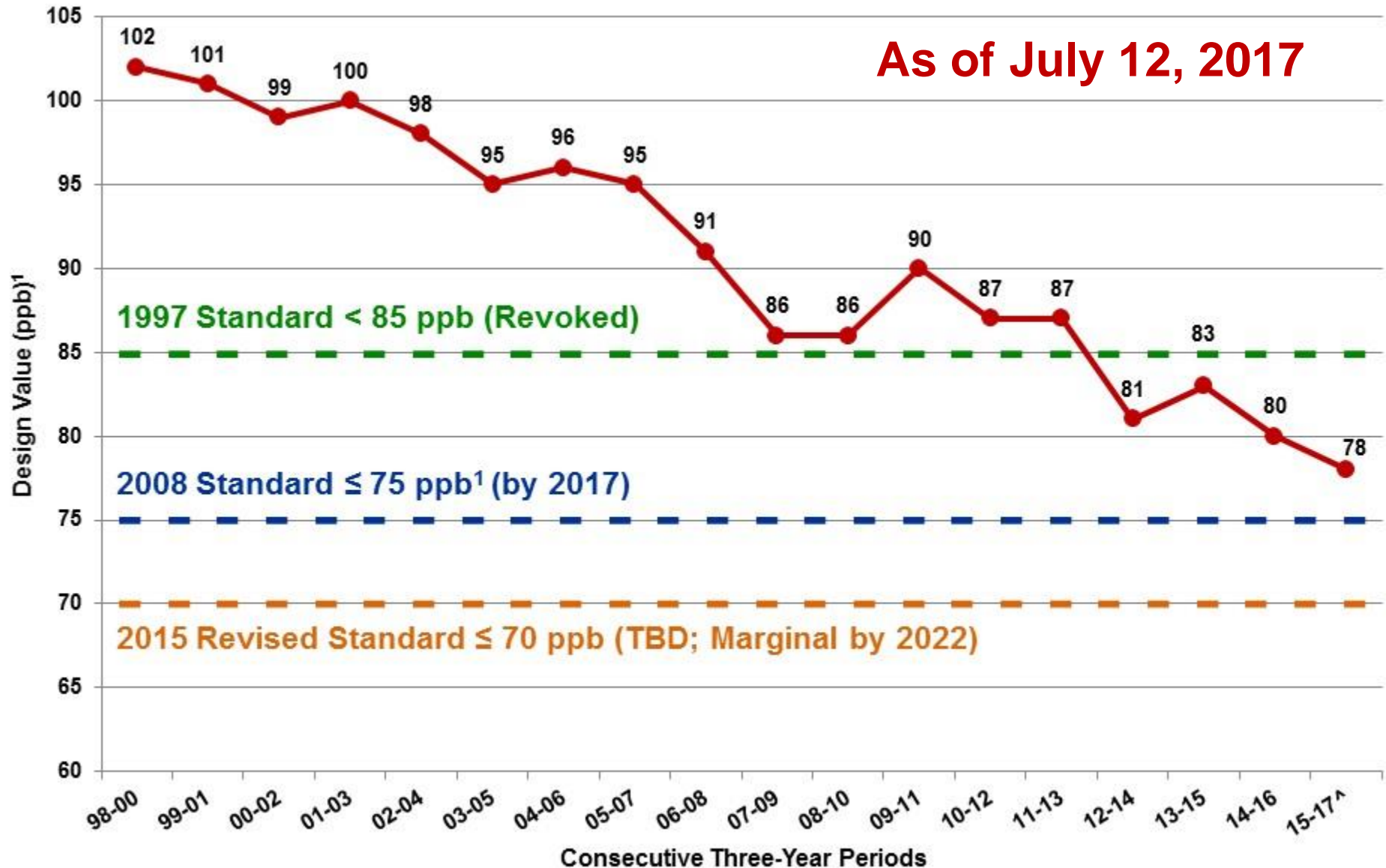
Exceedance Level indicates daily maximum eight-hour average ozone concentration. Exceedance Levels are based on Air Quality Index (AQI) thresholds established by the EPA for the revised ozone standard of 70 ppb.

= Additional level orange exceedance days under the revised standard that were not exceedances under the previous 75 ppb standard. (AQI level orange = 71-75 ppb)

^ANot a full year of data.

Source: TCEQ, http://www.tceq.state.tx.us/cgi-bin/compliance/monops/8hr_monthly.pl 3
ppb = parts per billion

EIGHT-HOUR OZONE HISTORICAL TRENDS

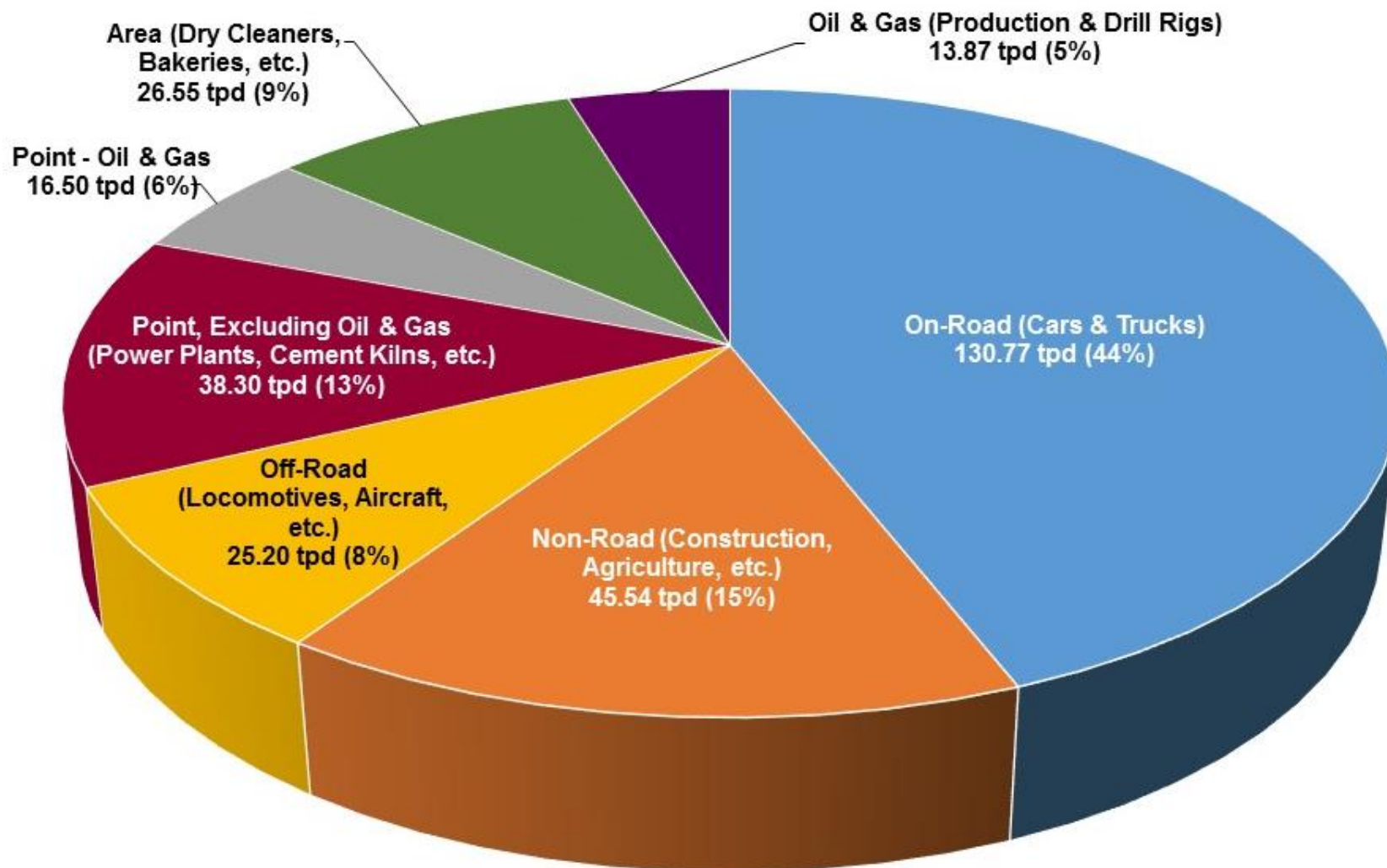


¹Attainment Goal - According to the US EPA National Ambient Air Quality Standards, attainment is reached when, at each monitor, the *Design Value* (three-year average of the annual fourth-highest daily maximum eight-hour average ozone concentration) is equal to or less than 70 parts per billion (ppb).

[^]Not a full year of data.

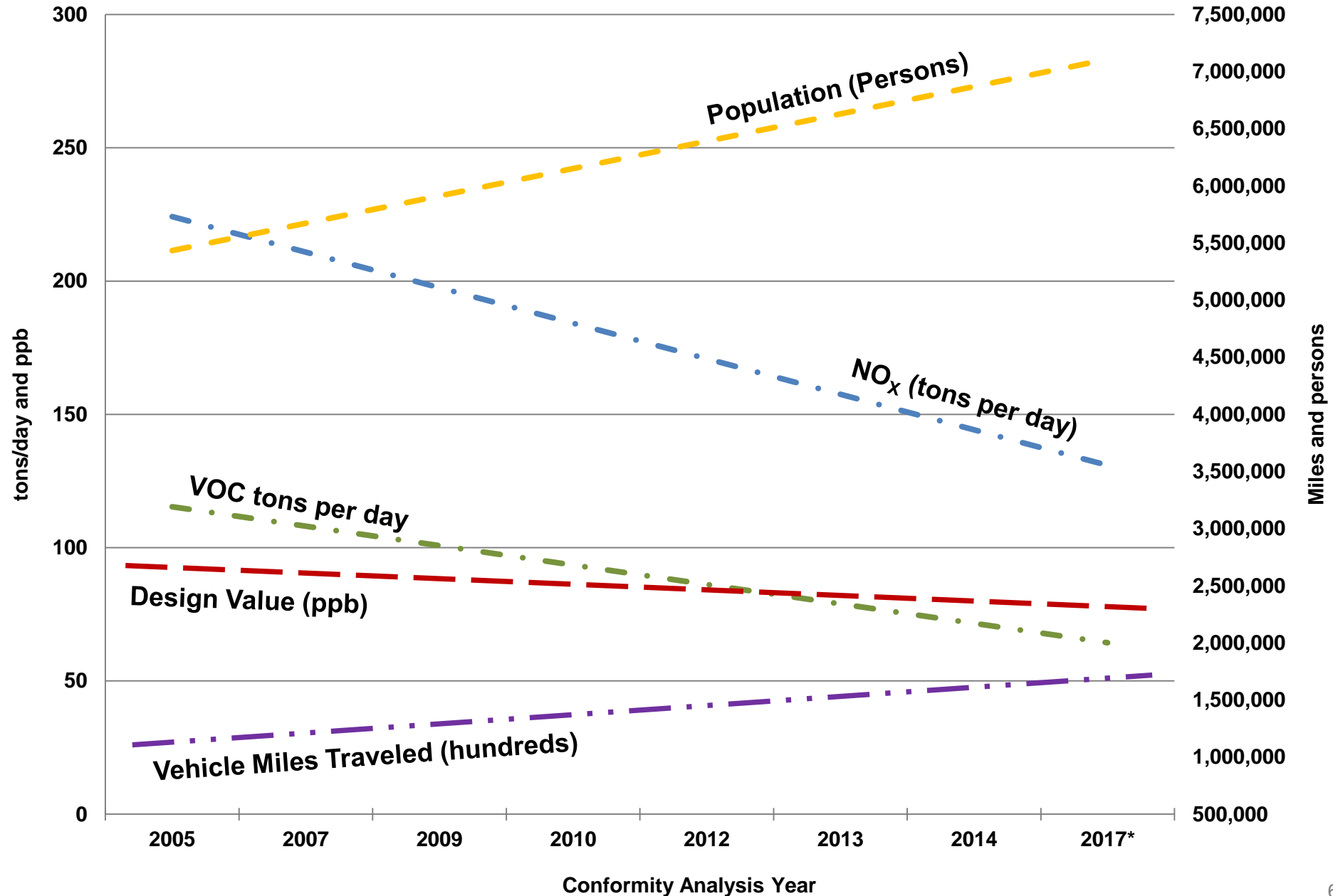
DFW EMISSIONS SOURCES

Oxides of Nitrogen (NO_x)



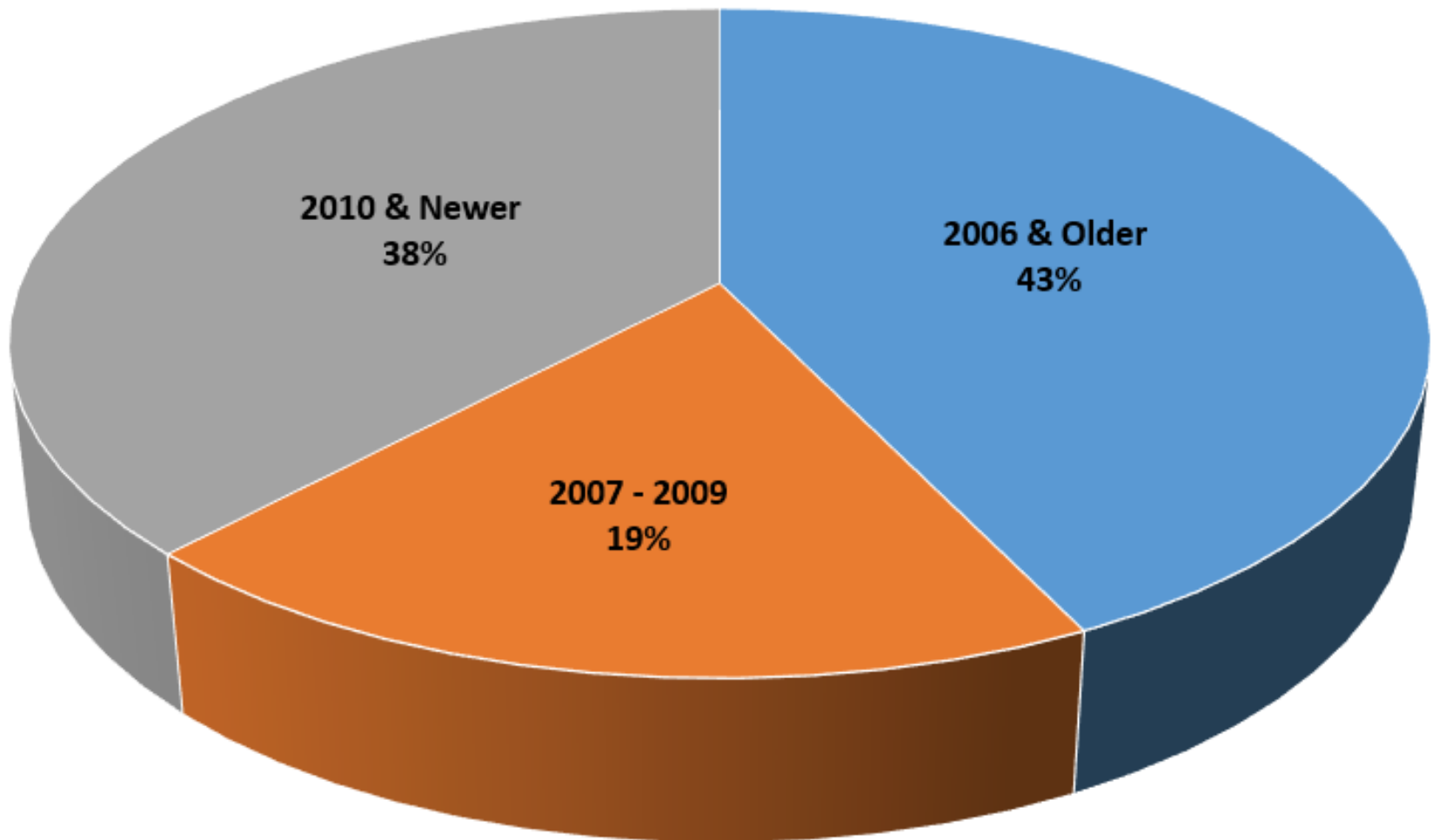
Total NO_x = 296.73 tons per day (tpd)

DESIGN VALUE AND DEMOGRAPHIC DATA



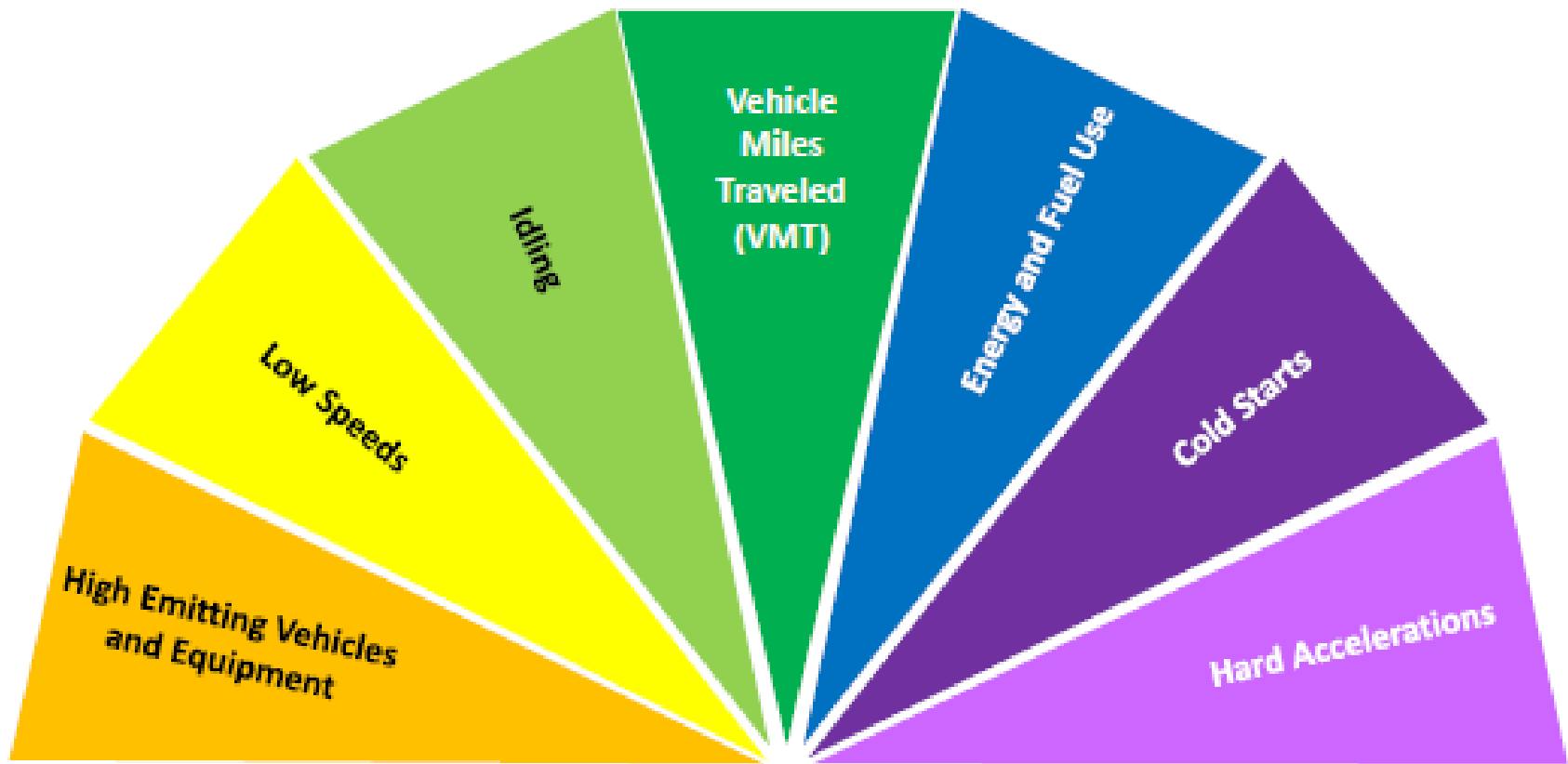
HEAVY-DUTY VEHICLE AGE DISTRIBUTION

**DFW Ten-County Nonattainment Region
(Greater than 26,000 Gross Vehicle Weight Rating)**



SEVEN AIR QUALITY EMPHASIS AREAS

Mobile Sources



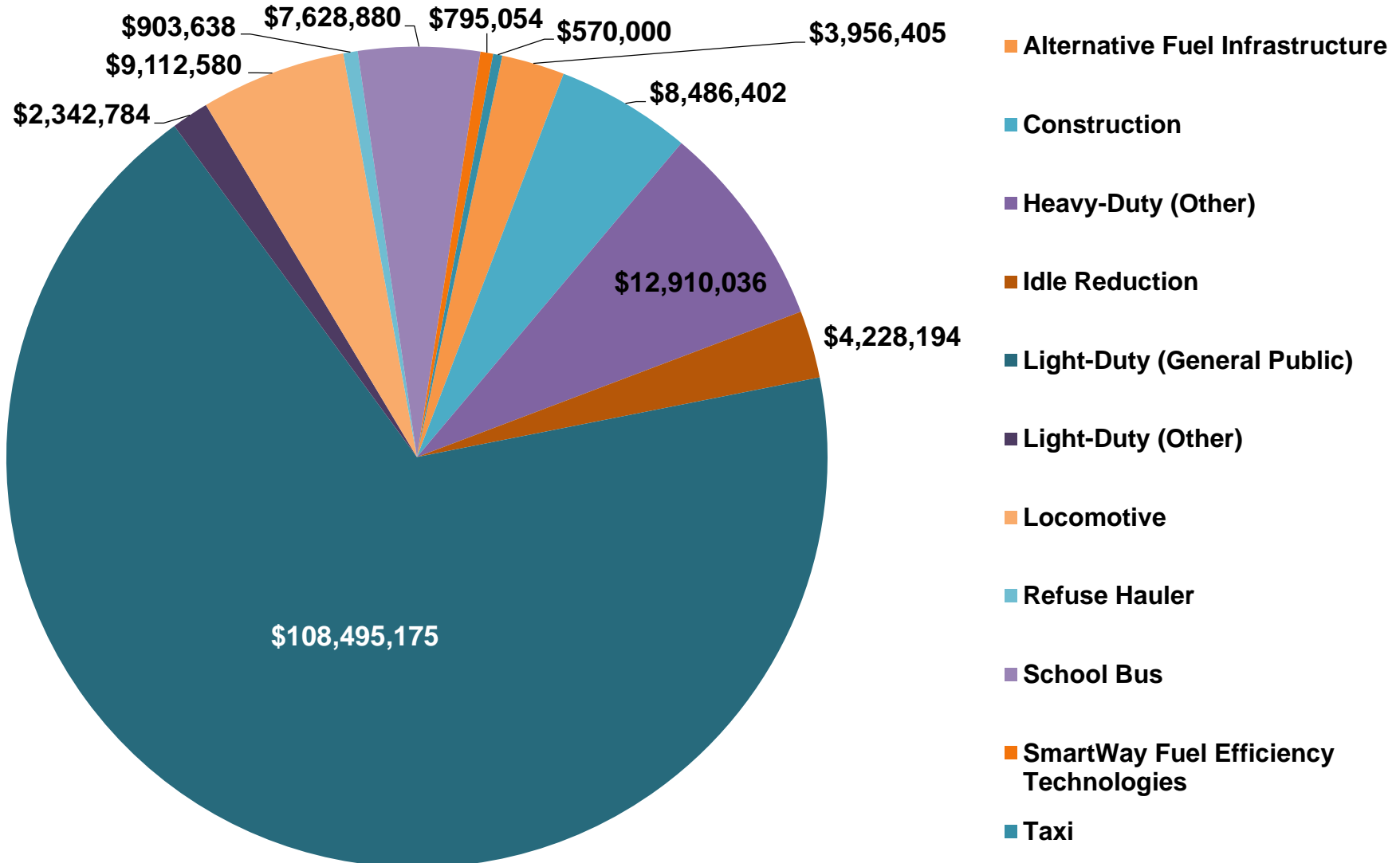
SAMPLE OF AIR QUALITY INITIATIVES



Rideshare. Record. Reward.



NCTCOG CLEAN VEHICLE FUNDING EFFORTS



DOLLARS AWARDED FROM 2006-2016; TOTAL = \$159,429,148

GO SOLAR TEXAS

Goal/Description

- Streamline of Regulatory Processes
- Provide Resources for Cities
- Increase Awareness

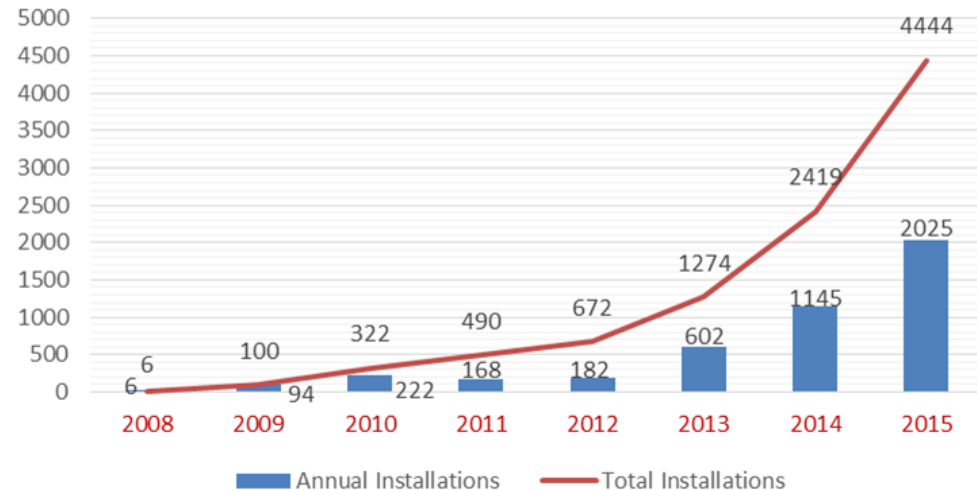
NCTCOG Resources

- Template Permitting Documents
- Ordinance Guidance
- Website Clearinghouse

How To Get Involved

- Adopt Suggested Best Practices
- Attend Upcoming Webinars & Trainings

Annual and Total DFW Area
Solar Installations (2008 to 2015)



Source: NTREG, 2016



www.GoSolarNorthTexas.org

SOLSMART

Goal/Description

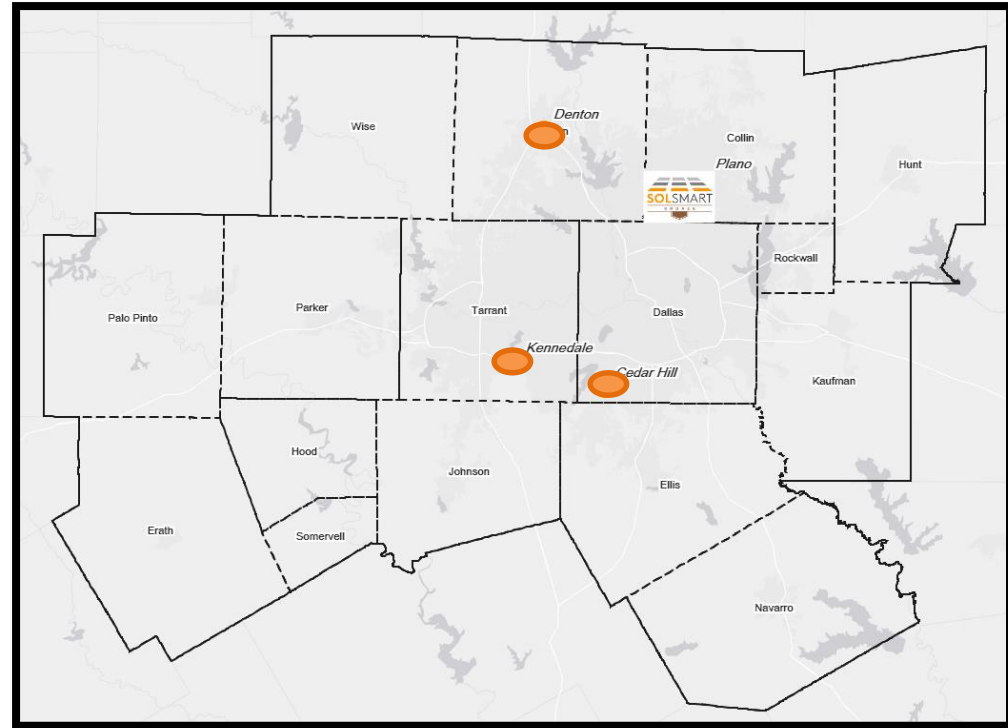
- Reduce Solar Soft Costs
- Adopt Solar-Friendly Processes and Policies
- Designate Communities

NCTCOG Resources

- Host Trainings
- Share Regional Best Practices
- Conduct Technical Review of Community Documents and Policies

How To Get Involved

- Contact NCTCOG Air Quality Staff
- Attend Upcoming Trainings



www.GoSolarNorthTexas.org/SolSmart

ELECTRIC VEHICLES NORTH TEXAS

Goal/Description

Promote Adoption & Use of Electric Vehicles (EVs)
Encourage On-site Charging at Workplaces

NCTCOG Resources

EV Fact Sheets & Regional Data
Guide to Claiming EV Incentives
Presentations at Community Meetings

How To Get Involved

Attend EVNT & DFW Clean Cities Meetings
Sign Up to Receive Email Announcements
Attend **National Drive Electric Week** Event
Install Workplace Charging



www.dfwcleancities.org/evnt

NATIONAL DRIVE ELECTRIC WEEK

September 9 – Kickoff Event at Grapevine Mills Mall

Over 100 EV Owners Available

Unbiased, No-Pressure Opportunity to Ask Questions

September 11-16

Webinar Series – Different EV Topic Each Day



www.DriveElectricDFW.org

AIRCHECKTEXAS DRIVE A CLEAN MACHINE

Program Goals

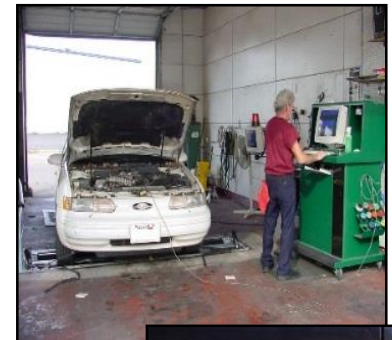
- Offers Financial Assistance to Low-Moderate Income Vehicle Owners Whose Vehicles Fail Emissions Inspection Test
- Helps Vehicle Owners Comply with Vehicle Emissions Standards to Reduce Ozone-Forming Pollutants Created by On-Road Motor Vehicles
- Targets the Highest Polluting Vehicles and Provides an Incentive for Citizens to Contribute to the Regional Air Quality Solution

NCTCOG Resources

Program Applications, Informational Brochure, Banners

How To Get Involved

- Place Applications at Businesses
- Promote Program Assistance



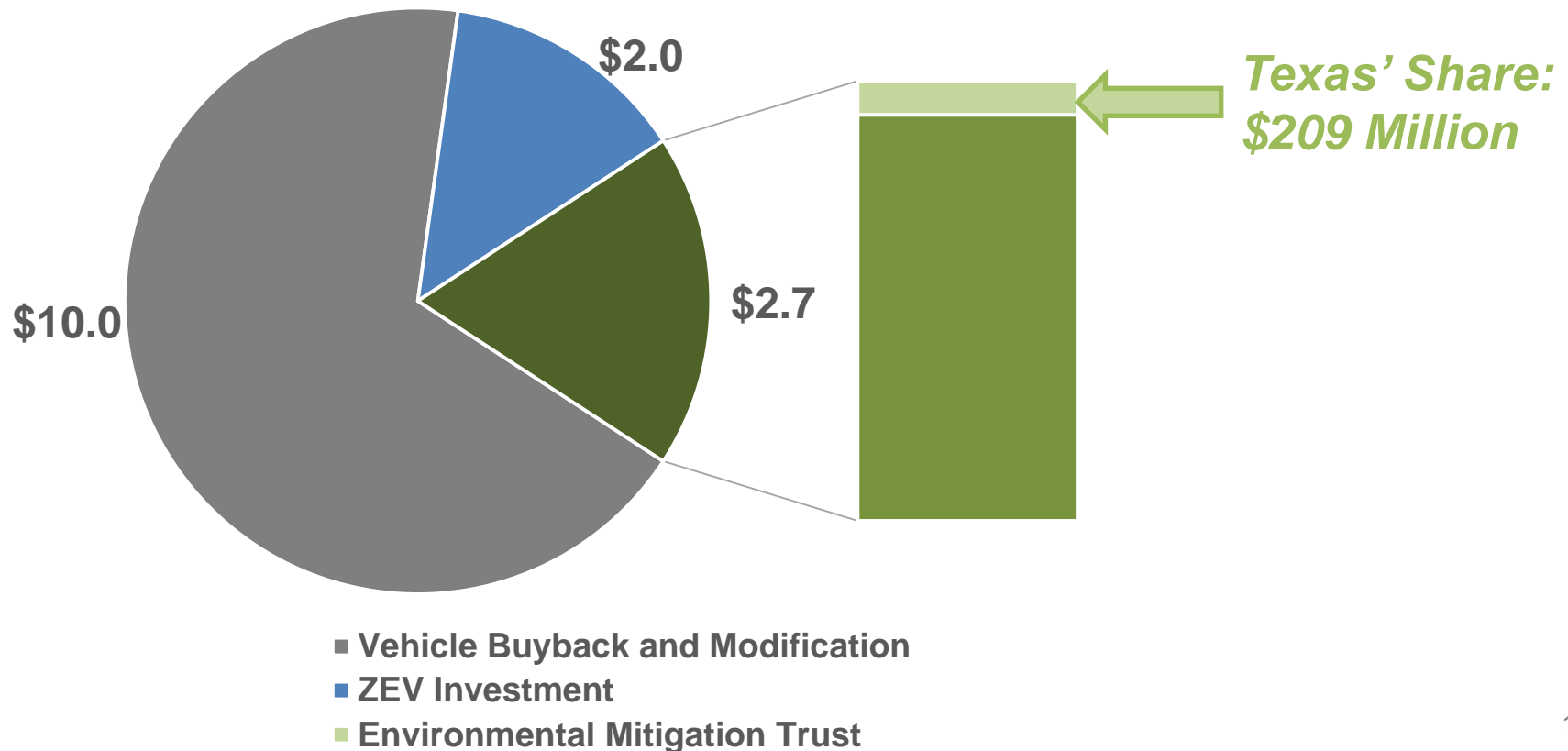
VOLKSWAGEN SETTLEMENT

Total Settlement to Date: \$14.7 Billion

Zero Emission Vehicle (ZEV) Investment - Managed by Electrify America

Environmental Mitigation Trust (EMT) - Distributed to States

Settlement Breakdown (\$ in Billions)



ZEV INVESTMENT

\$1.2 Billion Commitment (All States Except CA)

Cycle 1 (Q1 2017 – Q2 2019)	Cycle 2 (Q3 2019 - Q4 2021)	Cycle 3 (Q1 2022 – Q2 2024)	Cycle 4 (Q3 2024 – Q4 2026)	Full 10 years
\$300M	\$300M	\$300M	\$300M	\$1,200M



Charging Infrastructure Installation – Approx. \$250 Million

Long Distance Highway Network

Interstate Highway (IH) 30, IH 20, and IH 35 Named

Community Charging

Houston One of 11 Initial Metropolitan Areas

Public Education Initiatives – Approx. \$25 Million

ZEV Access Initiatives – Under Development

\$25 Million Reserved for Electrify America Administrative Costs

ELIGIBLE NO_x MITIGATION ACTIONS

Eligible Mitigation Actions 1-9

- 1. Replace/Repower Freight and Port Drayage Trucks (Class 8)**
Includes Dump Trucks, Waste Haulers, Concrete Mixers
- 2. Replace/Repower School, Shuttle, & Transit Buses (Class 4-8)**
- 3. Replace/Repower Freight Switchers**
- 4. Replace/Repower Ferries/Tugs**
- 5. Install Ocean Going Vessels Shorepower**
- 6. Replace/Repower Freight Trucks (Class 4-7)**
Includes Dump Trucks, Waste Haulers, Concrete Mixers
- 7. Replace/Repower Airport Ground Support Equipment**
- 8. Replace/Repower Forklifts and Port Cargo Handling Equipment**
- 9. Deploy Light-Duty ZEV Supply Equipment**

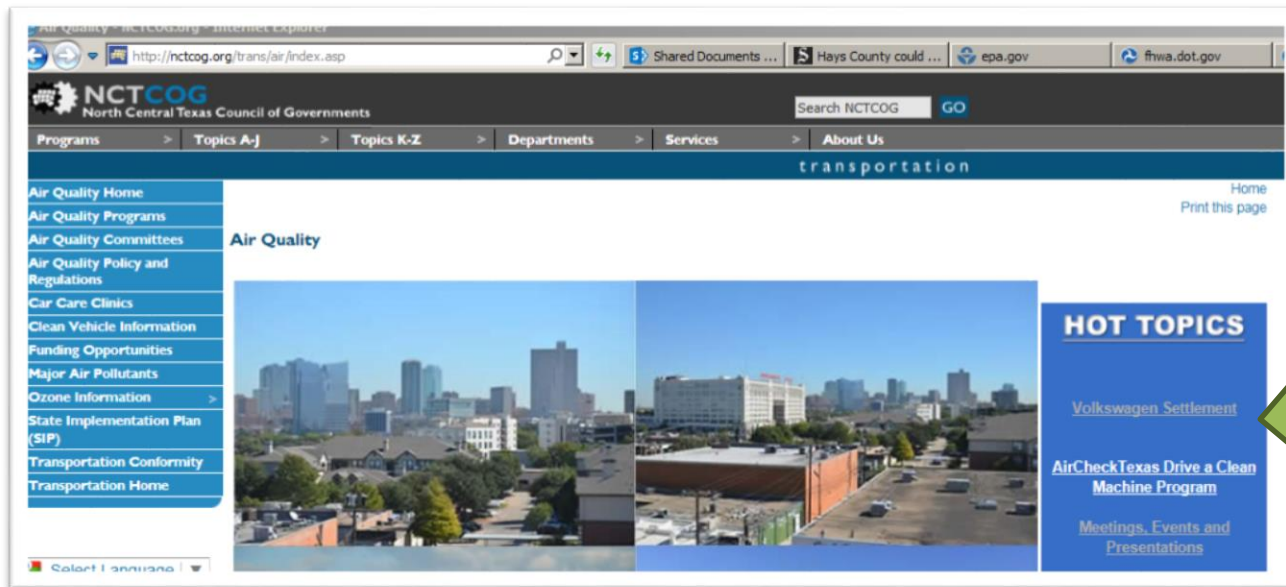
Eligible Mitigation Action 10

- 10. Diesel Emission Reduction Act (DERA) Option for State Clean Diesel Program**
Texas' State Clean Diesel Program Currently for School Buses

NEXT STEPS

Work Toward Identifying Quantities and Types of Vehicles to be Replaced by Local Fleets

www.nctcog.org/airquality



**On Volkswagen Page:
“NCTCOG Survey: Fleet Project Wish List”**

FOR MORE INFORMATION

Visit the NCTCOG Table to Pick Up Details on:

AirCheckTexas Drive a Clean Machine

National Drive Electric Week

Go Solar Texas

Additional Air Quality and Clean Vehicle Programs

Transportation Planning Information

Environmental Programs

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www.nctcog.org/airquality