LEVERAGING THE EPA SMARTWAY PROGRAM FOR LOCAL GOALS

SmartWay Resources and Strategies to Meet Air Quality Goals and Support Sustainable Freight Systems

Lori Clark
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NCTCOG Role

Council of Governments

Metropolitan Planning Organization

Dallas Fort Worth Clean Cities Coalition (DFWCC)
8-Hour Ozone Trends

2015 OZONE SEASON
8-Hour Ozone Historical Trends

1997 Standard < 85 ppb

2008 Revised Standard ≤ 75 ppb¹ (by 2017)

Consecutive Three-Year Periods

98-00  99-01  00-02  01-03  02-04  03-05  04-06  05-07  06-08  07-09  08-10  09-11  10-12  11-13  12-14  13-15*

Design Value (ppb)¹

60  65  70  75  80  85  90  95  100  105

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 8-hour average ozone concentration) is equal to or less than 75 parts per billion (ppb).

*Not a full year of data. Current as of 9/13/2015.

Source: NCTCOG TR Dept
2012 DFW Nitrogen Oxides (NO\textsubscript{X}) Emission Inventory

On-Road Emission Source Category Estimate = 370 tons per day (tpd)

Source: Texas Commission on Environmental Quality, 2012 Dallas-Fort Worth 8-hour Ozone Attainment Demonstration State Implementation Plan
Examples of Local Efforts

- **WARNING**
  5 MINUTE IDLE LIMIT
  BUSES - MAXIMUM 30 MINUTES

- **HOV LANE**
  Diamonds are a driver's best friend.

- **Clean Cities**
  U.S. Department of Energy

- **Electric Vehicles North Texas**

- **Propane Powered by Blue Bird**

- **RSVP**
  Regional Smoking Vehicle Program
  Don't Choke, Call #SMOKE

- **TryParkingIt.com**

- **Drive a Clean Machine**
Why SmartWay?

Source: Texas Commission on Environmental Quality, 2012 Dallas-Fort Worth 8-hour Ozone Attainment Demonstration State Implementation Plan
SmartWay-Focused Efforts

SmartWay Certified Passenger Vehicles

- AirCheckTexas (ACT) Drive a Clean Machine Program
- ACT Participating Dealerships
SmartWay-Focused Efforts

SmartWay Affiliate

Idling Restrictions

Funding Initiatives
  • Diesel Idling Reduction Program
  • ARRA SmartWay Technology Upgrade Project
  • On-Site Idle Reduction

SMARTE Program

Source: Southeastern Freight Lines
SMARTE Program

EPA Climate Showcase Communities Program

Regional “One-Stop Shop”
- Education
- Outreach/Promotion
- Assistance

Engage Trucking Industry
- Clean Fleet Policy
- DFW Clean Cities Coalition
- SmartWay Transport Partnership
- Anti-Idling Efforts
Value Proposition

Address Any Goal

- $O_3$ NO$_X$
- GHGs PM
- Save $\$

Brand Recognition

Access to Resources

- Green Vehicle Guide
- Vehicle Certification
- Technology Verification

“It is actually OUR honor to be an EPA SmartWay Affiliate!” – Environmental Defense Fund, 2015 SmartWay Affiliate Challenge Honoree
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North Central Texas Council of Governments

2015 SmartWay Affiliate Challenge Honoree