DFW AIR QUALITY ROUNDUP

North Central Texas Stewardship Forum
October 13, 2014

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North Central Texas Council of Governments
Transportation Department
EMISSION SOURCES
Nitrogen Oxides (NOx)

Total NO$_X$ = 370 tons per day (tpd)

Source: Texas Commission on Environmental Quality (TCEQ)
Not a full year of data, current as of 9/29/2014

Note: The 2009-2013 data has been certified by TCEQ, and is currently undergoing review by the EPA for concurrence.

Source: TCEQ, http://www.tceq.state.tx.us/cgi-bin/compliance/monops/8hr_monthly.pl

ppb = parts per billion

**OZONE EXCEEDANCE DAYS**

Exceedance Level indicates daily maximum 8-hour average ozone concentration. Exceedance Levels are based on Air Quality Index (AQI) thresholds established by the EPA for the the revised ozone standard of 75 ppb.

= Additional level orange exceedance days under the revised standard that were not exceedances under the previous 84 ppb standard. (AQI level orange = 76-95 ppb)

*Not a full year of data, current as of 9/29/2014*

Note: The 2009-2013 data has been certified by TCEQ, and is currently undergoing review by the EPA for concurrence.

Source: TCEQ, http://www.tceq.state.tx.us/cgi-bin/compliance/monops/8hr_monthly.pl

ppb = parts per billion
2014 OZONE SEASON
8-Hour Ozone Historical Trends

Consecutive Three-Year Periods

1997 Standard < 85 ppb
2008 Revised Standard ≤ 75 ppb

^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).

*Not a full year of data, current as of 10/05/2014.

Source: NCTCOG TR Dept
8-HOUR OZONE STANDARD TIMELINE

2008 = 8-Hour Ozone Standard Revised to 75 ppb
State Designation Recommendations Submitted to EPA; Hood County Considered for Inclusion into Nonattainment Area

2010 = Reconsideration of Standard (60-70 ppb)
Standard Put On Hold (75 ppb)

2011 = Withdrawal of Reconsideration (60-70 ppb)
Standard Resumed (75 ppb)

2012 = Final Designations by EPA, Wise County Added to Nonattainment Region

2013 = Conformity Determination

2015 = State Submits State Implementation Plan (SIP) to EPA

2018 = “Moderate” Attainment Deadline
(2016-2018 Ozone Data)
<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
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<tbody>
<tr>
<td>April 20, 2014</td>
<td>Deadline for Submitting Control Measure Ideas for RACM 8-Hour Ozone Standard Revised to 75 ppb</td>
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<tr>
<td>May – August 2014</td>
<td>TCEQ Technical Work Finalized</td>
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<tr>
<td>December 2014</td>
<td>Public Comment Period Begins</td>
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<td>January 2015</td>
<td>Public Hearings</td>
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<td>June 2015</td>
<td>TCEQ Commissioners Adopt the SIP</td>
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<td>July 20, 2015</td>
<td>Deadline for State to Submit SIP to EPA</td>
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<tr>
<td>Various</td>
<td>Quarterly Public Air Quality Technical Committee Meetings Hosted by NCTCOG (Next Meeting – August 2014)</td>
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RACM – Reasonably Available Control Measures
AIR QUALITY PROGRAMS

- Propane-powered by Blue Bird
- HOV Lane
- Warning: 5 minute idle limit
- Solar Ready II
- No trucks left lane
- Regional Emissions Enforcement Program
- SmartWay
- RSVP
- Regional Smoking Vehicle Program
- AirCheck Texas
- Share the road
- Electric Vehicles North Texas
- Tryparkingit.com
- U.S. Department of Energy
- Dallas-Fort Worth Clean Cities
CLEAN AIR STRATEGIES

Organizations/Businesses/Governments

Move construction activities to evening hours
Postpone mowing to a day with healthy air
Conserve electricity
Coordinate on-site employee lunches
Purchase clean vehicles/DFW Clean Cities

Individuals

Bicycle or walk
Use mass transit or rideshare
Telecommute
CAA last revised in 1990
Ozone standards reviewed and/or updated every 5 years
CAA needs to be updated to account for new rules and regulations

EPA is finalizing a 5 year review of the 8-hour ozone standard
Proposed standard must be released by December 1, 2014
New standard must be finalized by October 1, 2015
60 – 70 ppb recommended by the Clean Air Scientific Advisory Committee

Challenges for DFW Region
Population increasing
Vehicle Miles of Travel increasing
Background ozone levels ~45-55 ppb during ozone season
DFW AIR QUALITY ROUNDUP

LEGISLATIVE UPDATE
TERP REVENUE & FUND BALANCE
Fiscal Years 2008 – 2015

Source: Texas Commission on Environmental Quality; House Select Committee on Transportation Funding, Expenditures & Finance; August 5, 2014

TERP – Texas Emissions Reduction Plan
ACCOUNT 0151 REVENUE & FUND BALANCE
Fiscal Years 2008 – 2015*

*Includes Funding for LIRAP (Low-Income Vehicle Repair & Replacement Assistance Program) and LIP (Local Initiative Projects)

Source: Texas Commission on Environmental Quality; House Select Committee on Transportation Funding, Expenditures & Finance; August 5, 2014
MOVING FORWARD
Proposed Regional Transportation Council
Program Positions

POSITION 1: Seek Full Funding of LIRAP/LIP Funds
Reach Out to State Legislators to Encourage Full Appropriation

POSITION 2: Expand Eligibility for Broader Reach
40% Funds: LIRAP
60% Funds: Transportation System Improvements and Traditional LIP-Type Projects

POSITION 3: Allow County Oversight of Project Selection
Counties Determine Fund Distribution

LIRAP – Low-Income Vehicle Repair & Replacement Assistance Program
LIP – Local Initiative Projects
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