



AGENDA

Electric Vehicles North Texas (EVNT) Stakeholder Meeting

North Central Texas Council of Governments Regional Forum Room Wednesday, February 18, 2015 9:00 – 11:00 am

1.	Introduction
2.	Recent Developments: a. EPA Ozone Standard UpdateJody Loza, NCTCOG
	b. Clean Fleet PolicyAmy Hodges, NCTCOG
	c. DFW Clean Cities Annual SurveyKenny Bergstrom, NCTCOG
3.	EVNT Update
4.	Other ItemsAll
5.	Adjourn

Audio:

Call-in: 800-250-3900 Participant PIN: 442318#

www.dfwcleancities.org/evnt

EVNT Goals

1 Year Goals

Vehicles			
<u>Goal</u>	Performance Measure	<u>Timeline</u>	
Continue/Expand Partnerships with			
Dealerships, Rental Car Companies, Service			
Centers, etc.			
Promote EV Adoption	3,000 Light-Duty EVs Registered by the End of 2015	Now	
Continue Promoting LDPLI Program	All Funding Used (about \$5.4 million still available)	Now	
<u>Infrastructure</u>			
<u>Goal</u>	Performance Measure	<u>Timeline</u>	
Develop Maps & Analysis of EV Registration	Update Thematic Map Quarterly to	Now	
Data with Recharging Infrastructure Sites	Follow Trends	NOW	
Research Integrating EV-Ready Guidelines			
Into Building Codes			
Engage Local Businesses in Workplace	5 Additional Workplaces Signed Up	Now	
Charging Challenge	3 Additional Workplaces Signed Op	NOW	
Initiate Conversation with TxDOT Regarding			
Recharging at Rest Areas			
Both			
<u>Goal</u>	Performance Measure	<u>Timeline</u>	
Develop Marketing/Education Materials		Now	
Host National Drive Electric Week Event(s)	100 People Attending	Now	
Create Degion Creatific Fact Chapts	1 for General Public & 1 for Local	Now	
Create Region Specific Fact Sheets	Governments		
Monitor Local Interest Group Activities &	Attend Meetings & Participate at	Now	
Meetings	Events	Now	

3-5 Year Goals

<u>Goal</u>	Performance Measure	<u>Timeline</u>
Develop multiple videos for educational and		
marketing purposes		
Further an electrification network on the		
heavily travelled road networks between the		
DFW, Houston, and Austin-San Antonio		
urban centers		
Pursue additional infrastructure deployment		
and engage transit agencies and universities		
in future infrastructure/rental/car loan		
projects		

Electric Vehicles North Texas (EVNT) Update

EVNT Stakeholder Meeting

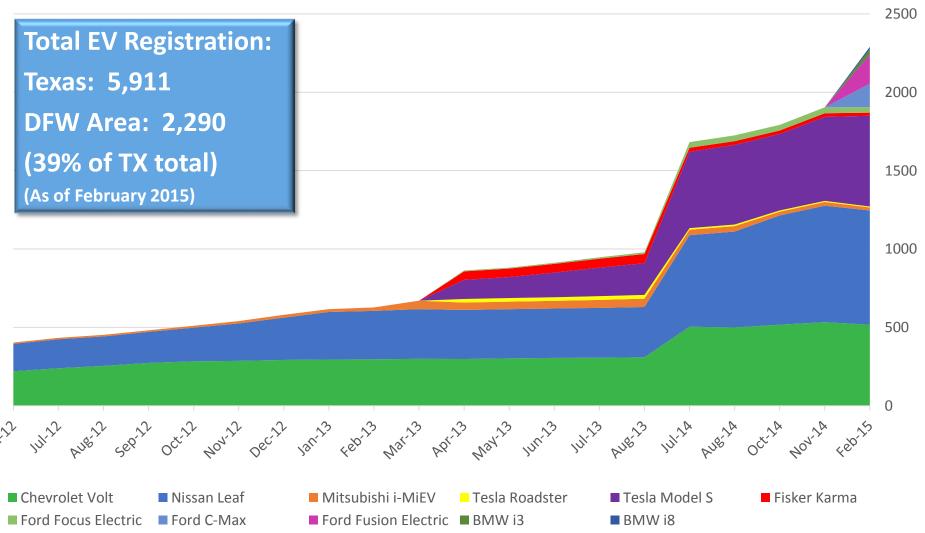
Marissa Fewell, Transportation Planner February 18, 2015





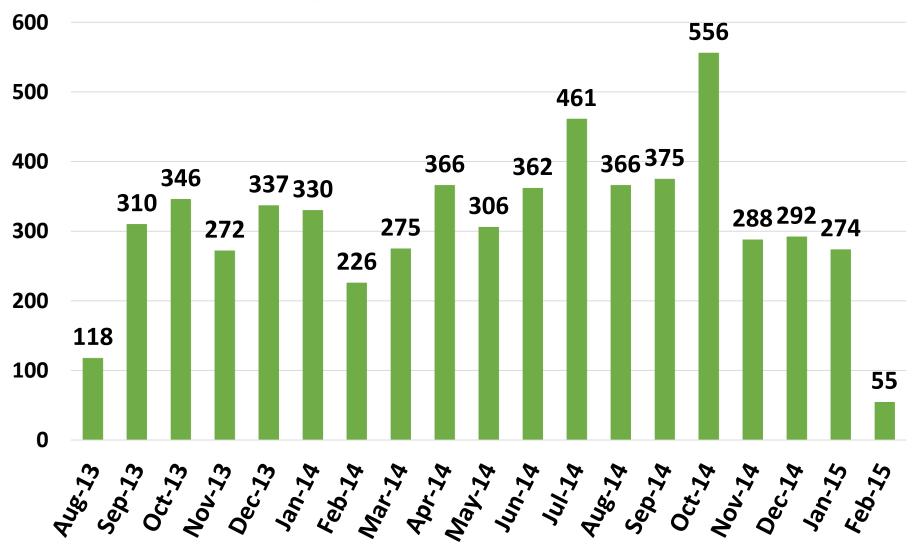


Registration by Electric Vehicle (EV) Model in North Texas



^{*}NCTCOG staff plans to include additional models including: Cadillac ELR, Chevrolet Spark, Fiat 500e, Honda Accord Plug-In & Fit EV, Toyota Plug In Prius, & RAV4 EV

EV Registration Frequency



■ Total Texas Registrations

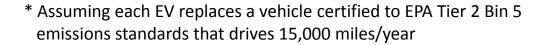
EV Emissions Benefits

DFW EV Registration Emissions Impacts* Tons per Year

NO _x	2.70
VOC	0.68
CO ₂	16,883.01
PM	0.31
CO	167.51

CO₂ Emissions
Reductions Equal
to**:

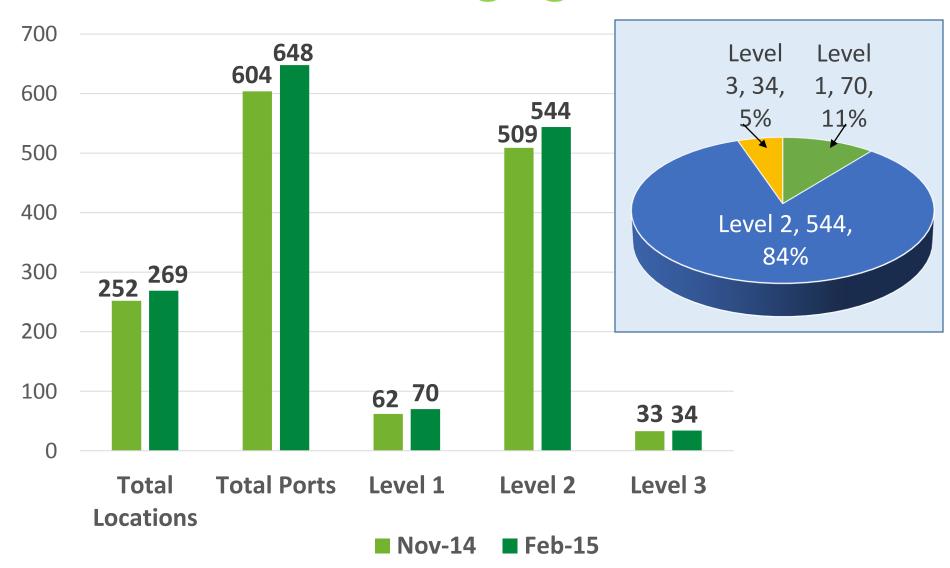




^{**} Based upon the EPA Greenhouse Gas Equivalencies Calculator



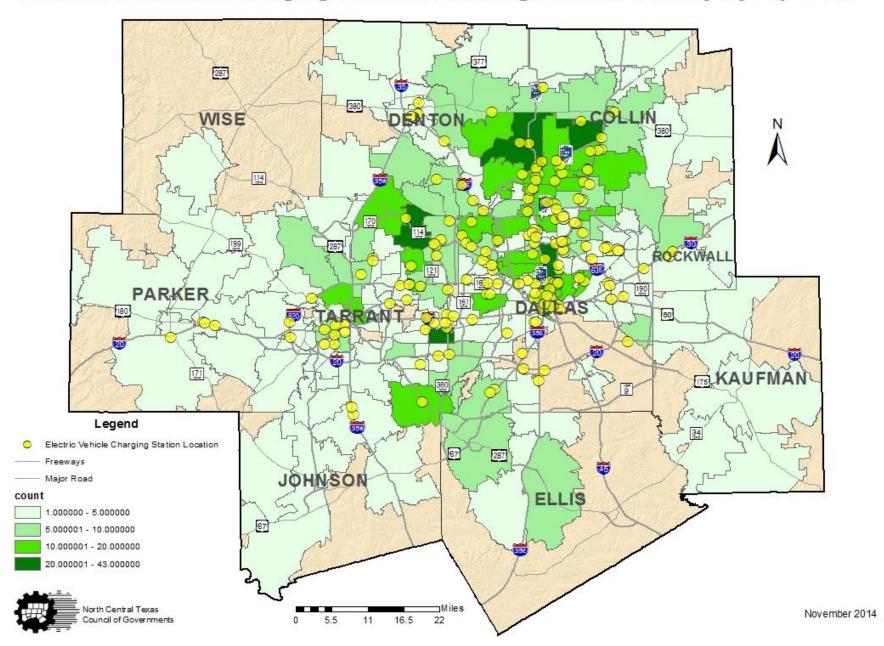
DFW Public EV Charging Infrastructure



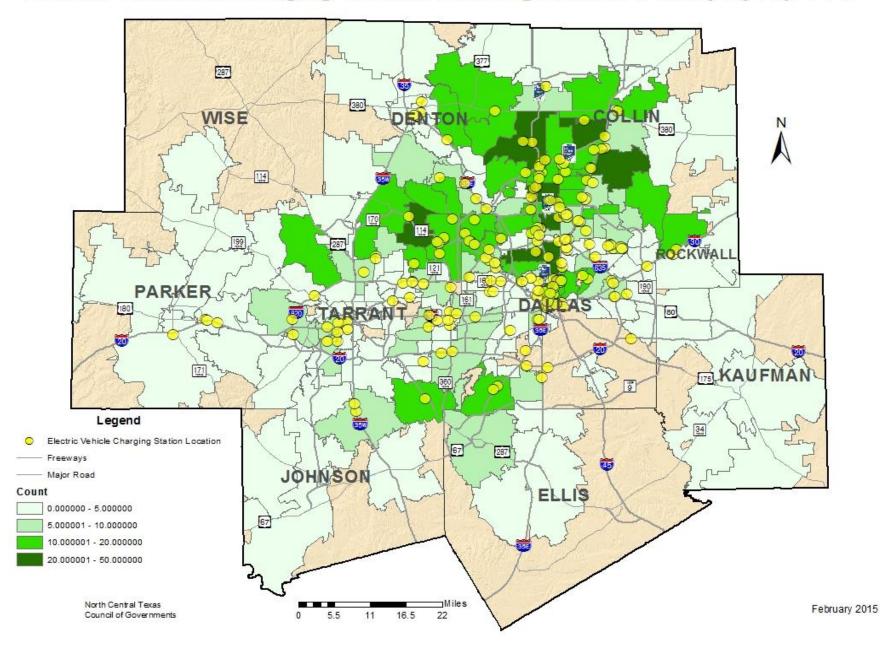
Source: NCTCOG

^{*}Data as of February 13, 2015

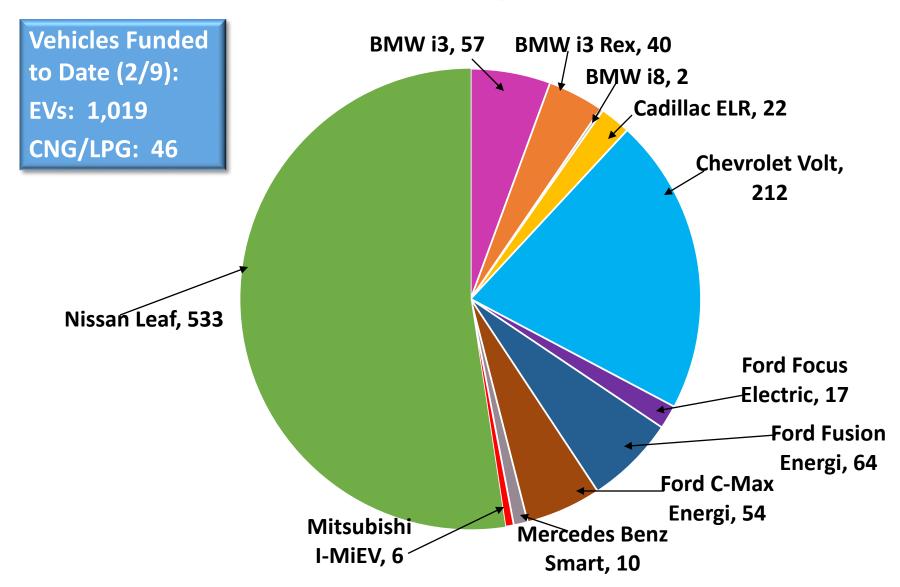
Electric Vehicle Recharging Stations and Registration Density by Zip Code



Electric Vehicle Recharging Stations and Registration Density by Zip Code



Light Duty Motor Vehicle Purchase or Lease Incentive Program (LDPLI) Update



Guide to Claiming the State Incentive for Electric Vehicles (EVs)





Guide to Claiming the State Incentive for Electric Vehicles (EVs)

What: Texas Commission on Environmental Quality (TCEQ) Light-Duty Motor Vehicle Purchase or Lease Incentive Program

How Much: \$2,500 rebate per vehicle for purchases

Up to \$2,500 rebate per vehicle for leases, pro-rated based on lease term

- 4-year or longer term = \$2,500
- 3-year to less than 4-year term = \$1,875
- 2-year to less than 3-year term = \$1,250
- 1-year to less than 2-year term = \$625

Application Process:

Purchase or Lease Eligible Vehicle



1) Rebate Application Form (Requires Dealer/Lessor Signature)
2) Copy of Executed Purchase/Lease Agreement
3) Copy of State/Federal Identification Card (Individual/Sole Proprietor)
4) Copy of Completed Application for Texas Title/Registration

Mail Forms to TCEQ Implementation Grants Section (LDPU), MC204 Regular Mail: P.O. Box 13087, Austin, TX 78711-3087 Express Mail: 12100 Park 35 Circle, Austin, TX 78753

Eligible EVs:

Type	Make	<u>Model</u>
Electric Vehicle	BMW	i3, i3 w/range extender
Plug-In Hybrid Electric Vehicle	BMW	i8
Plug-In Hybrid Electric Vehicle	Cadillac*	ELR
Plug-In Hybrid Electric Vehicle	Chevrolet	Valt
Electric Vehicle	Ford*	Focus
Plug-In Hybrid Electric Vehicle	Ford*	C-Max, Fusion
Electric Vehicle	Kia*	Soul EV
Electric Vehicle	Mercedes-Benz*	B-Class E-Cell
Electric Vehicle	Mitsubishi	i-MiEV
Electric Vehicle	Nissan	LEAF (S, SV, & SL)
Plug-In Hybrid Electric Vehicle	Porsche	Panamera S E-Hybrid
Electric Vehicle	SmartCar	Smart for two Cabriolet & Coupe

*Model Year 2015; check with dealer for availability

Eligibility: Individuals, Businesses, and State/Local Governments

- · First-Come, First-Served Basis until June 26, 2015, or Until All Funding is Awarded
- Purchase/Lease Must be Made After May 13, 2014
- Must be Registered and Operated in Texas for One Year

The Rebate Application Form and additional information is available at www.terpgrants.org

Guide to Claiming the Federal Incentive for Electric Vehicles (EVs) What: Plug-In Electric Drive Vehicle Credit (IRC 30D) How Much: \$2,500 - \$7,500 Tax Credit per Vehicle Application Process: Purchase Eligible Vehicle Complete IRS Form 8936, Qualified Plug-in Electric Drive **Motor Vehicle Credit** or vehicles acquired for business use Report the credit on Form 3800, General Business Credit or vehicles acquired for personal use: Report the credit on Form 1040, U.S. Individual Income Tax Return Eligible EVs: Model Year GCE Electric Vehicle 2012 MP ALE Electric Vehicl \$7.500 2011 2012 Dynamics Transit Connect Electric Vehicle \$7.500 3 Sedan & I3 Sedan with Ranger Extender \$7,500 \$7,500 2012, 2013, 2014 \$7,500 Cadillas \$7.500 2011, 2012, 2013, 2014, 2015 \$7,500 \$7,500 EVI-MD (Medium Duty) Electric truck ternational (EVI) EVI-WI (Walk-In) Electric truck \$7,50 \$7,500 2012, 2013, 2014 \$7,500 \$4.007 2013, 2014 C-MAX Energ 2013, 2014 Fusion Energi Accord Plug-In Hybrid \$3,626 2014 013, 2014

Additional information available at www.irs.gov/Businesses/Plug-In-Electric-Vehicle-Credit-(IRC-30-and-IRC-30D)

B-Class EV

Panamera S E Hybrid

fortwo Electric Drive Vehicle

Prius Plug-in Electic Drive Vehic

2500 Extended Range Electric Passenger Van or Cargo Van

500 Extended Range Electric Truck 2WD & 4WD (All-body styles

i-MiEV

Roadste

RAV4 EV

Electric Van

Model S Vehicle

Source: NCTCOG EVNT Program www.dfwcleancities.org/evnt Date: 10/13/2014 Source: NCTCOG EVNT Program www.dfwcleancities.org/evnt Date: 09/18/2014

tercedes-Benz

2012, 2014

2014, 2015

2012, 2013, 2014

2012, 2013, 2014

2011

2014

Mitsubishi

orsche

Smart

oyota

Wheeg

\$7.500

\$7,500

\$4,751.80

\$7.500

\$7,500

\$7,50

\$2.50

\$7,500

\$7,500

\$7,500

Legislative Update

HB 735 - filed January 15

- Establishes a program to collect information about the number of alternatively fueled vehicles registered on an annual basis.
- Includes: electric plug-in drives, hybrid electric drives, hybrid electric plug-in drives, flexible fuel, fuel cells, natural gas, propane, or other alternative fuels.
- If passed, will take effect September 1, 2016

HB 1184 - filed February 5

- Authorizes "alternative fuel programs resulting in energy cost savings and reduced emissions for local government vehicles, including fleet vehicles" as eligible for local government energy savings performance contracts.
- If passed, will take effect September 1, 2015

Program Goals

Contact Information

Marissa Fewell

Transportation Planner

mfewell@nctcog.org

817-695-9226

Lori Clark

Principal Air Quality Planner

Iclark@nctcog.org

817-695-9232

www.dfwcleancities.org/evnt







Other Items?

Clean Fleet Policy Revisions

Electric Vehicles North Texas February 18, 2015

Amy Hodges
Air Quality Planner
Air Quality Planning & Operations



Clean Fleet Vehicle Policy Background

Regional Transportation Council Adopted Policy in October 2005 Sections:

Acquisition

Operations

Maintenance

Compliance Verification

Working Group Developed in October 2013 to Update Policy Goal-Oriented Structure:

Reduce Emissions from Fleet Activities

Reduce Overall Fuel Consumption, Particularly Use of Conventional Petroleum Fuels

Partner with NCTCOG and DFW Clean Cities

Ensure Drivers/Operators and Fleet Personnel are Familiar With Air Quality and Petroleum Reduction Goals

Fleet Representative Working Group

Participants

City of Allen Frito-Lay North America

City of Burleson HT Bar, Inc.

City of Coppell City of Richardson

City of Dallas Southeastern Freight Lines

Dallas Area Rapid Transit City of Southlake

City of Denton Tarrant County

DFW International Airport UT Southwestern Medical Center

City of Fort Worth City of Wylie

2013-2014 Meetings in October, November, February, May, June, August and October

Major Considerations for Revision

Remain Relevant/Effective



Remove Obsolete Emissions References

Engage Private Sector and Non-Road Equipment

Capture Comprehensive Air Quality Goals



Incorporate Volatile Organic Compounds

Reflect Role as DFW Clean Cities Coalition



Incorporate Petroleum Reduction

Streamline Annual Reporting Requirements

New Concepts

Implement Separate Idle-Reduction Policy/Standard Operation Procedure (SOP)

Goal: Ensure Idle Reduction is Part of Emissions Reduction Strategy

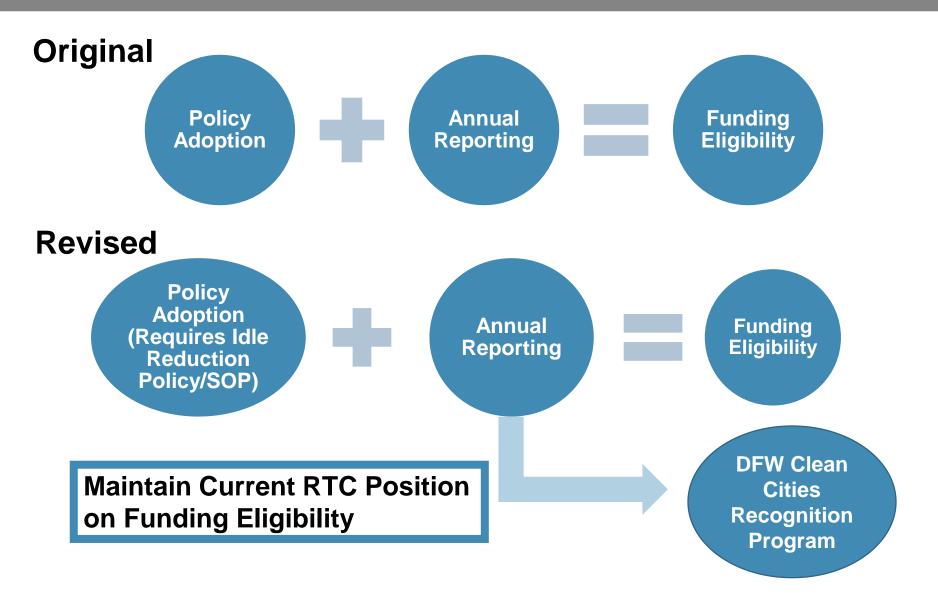
Support Peer Fleets' Efforts by Sharing and Maximizing Resources

Goal: Promote Innovative Collaborations

Encourage Activities to Minimize Water, Solid Waste, or Other Environmental Impacts

Goal: Address Indirect Air Quality Impacts and Ensure Air Quality Improvement is Not at Expense of Other Environmental Issues

Clean Fleet Policy Implications



RTC Position on Funding Eligibility

Policy Adoption and Compliance Required for all Vehicle Funding

Adoption and Compliance May be Considered in Other RTC Funding Actions

Utilized for Regional Toll Revenue Call for Projects

Next Steps

Continue to Simplify and Improve Reporting Template

Coordinate with Department of Energy Staff for Report Streamlining Opportunities

Revised Schedule

Task/Milestone	Date
STTC/RTC Information	August/September 2013
DFW Clean Cities Meetings	July 2013 and June 2014
Working Group Meetings	October 2013 – October 2014
STTC/RTC Information	March/May 2014
STTC Information	July 2014
STTC and RTC Information	October/November 2014
Final Clean Fleet Policy	November 2014
STTC/RTC Action	December 2014
Adoption by Regional Fleets	Beginning January 2015

Regional Fleet Adoptions – Revised Policy

Re-adoptions

City of Euless

City of Lancaster

City of North Richland Hills

City of Richland Hills

City of Wylie

Lipan ISD

SPAN, Inc.

New Adoptions

City of Aubrey

City of Krum

City of Springtown

Contact Information

Amy Hodges

Air Quality Planner

ahodges@nctcog.org

817-704-2508

Lori Clark

Principal Air Quality Planner

Iclark@nctcog.org

817-695-9232

Shannon Stevenson

Program Manager

sstevenson@nctcog.org

817-608-2304

Website

www.nctcog.org/fleetpolicy

EVNT Stakeholder Meeting





DFW Clean Cities Annual Survey

February 18, 2015

Kenny Bergstrom

DFW Clean Cities Staff kbergstrom@nctcog.org

DFW Clean Cities Committee Overview



- Cover the 16 County North Central Texas Region
- Fuel specific committee structure covering different fuel types
- Electric vehicle committee provides key feedback on real world trends and ideas to expand adoption of EVs in North Texas
- EV committee crucial to understanding ownership experience, concerns with vehicles and/or recharging, and utilizing available incentives.
- All EV committee stakeholders will be DFW CC stakeholders
- Membership is free









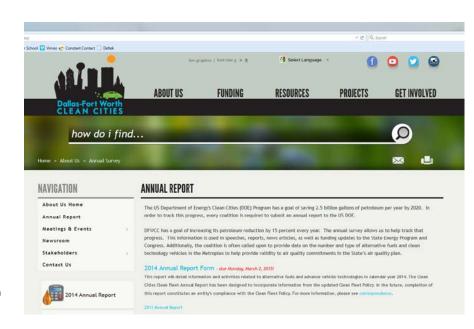




DFW Clean Cities Annual Survey



- Collected every year and sent to the Department of Energy (DOE)
- DOE goal to save 2.5 billion gallons of petroleum per year by 2020
- DFWCC goal to increase petroleum reduction by 15 percent every year
- Combined with Clean Fleet Policy



www.dfwcleancities.org/annualreport

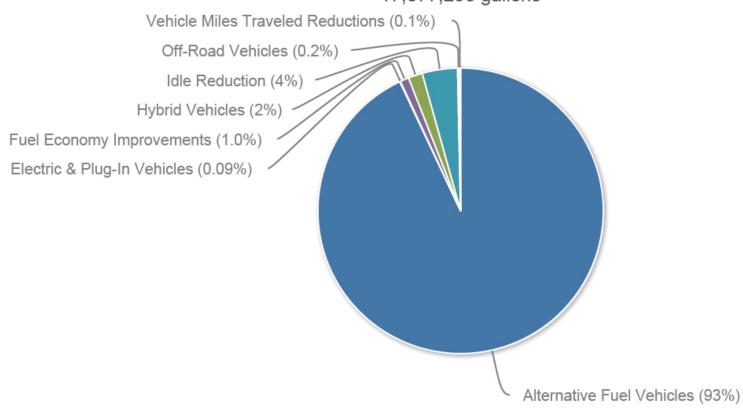
DFW Clean Cities 2013 Annual Report Results



Over 17 Million GGE Reduced

2013 Gallons of Gasoline Equivalent Reduced



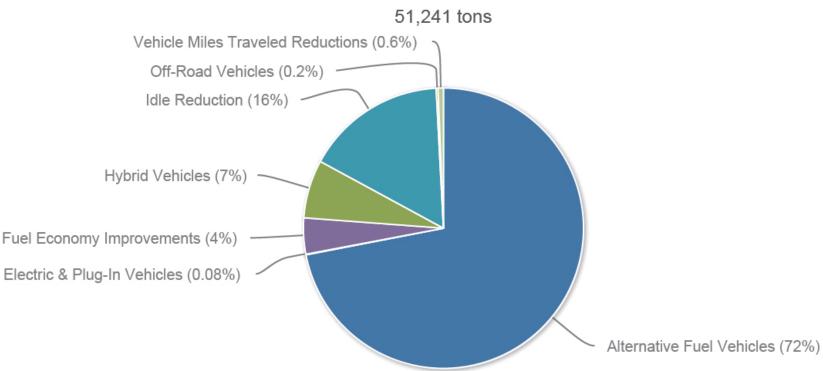


DFW Clean Cities 2013 Annual Report Results



Over 50,000 Tons GHG Emissions Reduced

2013 Greenhouse Gas Emissions Reduced



Contact Information



Pamela Burns
Communications Supervisor
DFW Clean Cities Coordinator
817-704-2510
pburns@nctcog.org

DFW Clean Cities Website www.dfwcleancities.org

NCTCOG Funding Website www.nctcog.org/aqfunding

Kenny Bergstrom
Communications Specialist
DFW Clean Cities Staff
817-704-5643
kbergstrom@nctcog.org



EPA OZONE STANDARD UPDATE

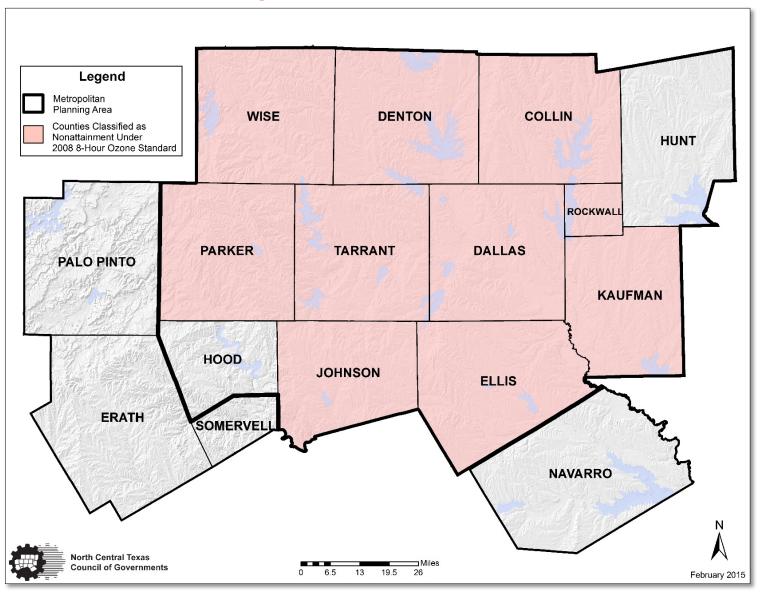
Jody Loza, Air Quality Planner Electric Vehicles North Texas February 18, 2015





10-County Nonattainment Area

2008 Eight-Hour Ozone Standard



2008 EIGHT-HOUR OZONE STANDARD

•		•	
lır	nel	lır	le

July 20, 2012 Dallas-Fort Worth Nonattainment Area

Designated as "Moderate" Nonattainment

November 21, 2014 SIP Package Filed with the TCEQ Chief Clerk's

Office

December 10, 2014 TCEQ Commissioners' Proposal Agenda

December 26, 2014 thru Public Comment Period and Public Hearings

January 30, 2015

February 13, 2015 EPA Signed Final Rule - Implementation of the 2008 National Ambient Air Quality Standards for Ozone: State Implementation Plan (SIP)

Requirements

July 20, 2015 SIP Package Due to EPA

July 20, 2018 Attainment Date

EPA: Environmental Protection Agency SIP: State Implementation Plan

TCEQ: Texas Commission on Environmental Quality

EIGHT-HOUR OZONE STANDARD

Proposed Revision

Clean Air Act Requires EPA to Periodically Review all NAAQS

EPA Policy Assessment – Recommend Lowering Ozone NAAQS from ≤75 ppb to Between 60 to 70 ppb

November 26, 2014 – Proposed Rule Released by EPA¹

65 – 70 ppb to Protect Public Health and Environment

EPA Accepting Comments on ≤60 ppb

Ozone Season Extended to March – November²

New EPA Air Quality Index to be Developed Based on New Standard

December 17, 2014 – Proposed Rule Published in the *Federal Register*³ 90-day Public Comment Period (Closes March 17, 2015)

Additional Counties Added to Nonattainment Area Under Revised Standard

EIGHT-HOUR OZONE STANDARD

Revision Timeline

By October 1, 2015

Final Rule

December 1, 2015

Effective Date for Revised

Standard¹

By October 1, 2016

States to Submit Nonattainment

Designation Recommendations²

By October 1, 2017

EPA Nonattainment Area

Designations³

2020 - 2037

Potential Attainment Dates for Revised Standard, Based on Region's Classification

60?

65?

70?

¹Approximate - Effective date is 60 days after publication of Final Rule in the Federal Register.

²States have one year from "Final Rule" to recommend areas to be designated as nonattainment under the revised 8-hour ozone standard. ³EPA has two years from "Final Rule" to designate areas as nonattainment under the revised 8-hour ozone standard.

EPA OZONE STANDARD UPDATE

For Further Information

Jenny Narvaez
Principal Transportation Planner
817-608-2342

jnarvaez@nctcog.org

Jody Purvis Loza
Air Quality Planner
817-704-5609

jloza@nctcog.org