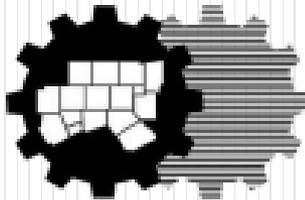


NORTH CENTRAL TEXAS ALTERNATIVE FUEL AND ADVANCED TECHNOLOGY INVESTMENTS

Lori Clark
North Central Texas Council of Governments
May 18, 2012



DALLAS-FORT WORTH
CLEAN CITIES



Project ID #
ARRAVT057

This presentation does not contain any proprietary, confidential, or otherwise restricted information.

OVERVIEW

Timeline

- **Start January 29, 2010**
- **End January 28, 2014**
- **82% of Activities Complete**

Budget

- **Total Project \$36,378,756**
- **DOE Funds \$13,181,171**
- **Cost Share \$23,197,585**
- **36% Federal / 64% Match**
- **63% Expended to Date**

Barriers

- **3rd Party Administration**
- **Timely Implementation**
- **Full Realization of Benefits**

Subrecipient Partners

- **Local Governments**
- **School Districts**
- **Private Sector Companies**
- **International Airport**
- **Nonprofit Organization**

RELEVANCE: OBJECTIVES

**Increase the Use, Availability, and Awareness of
Alternative Fuels and Advanced Technology Vehicles**

**Improve Air Quality By Reducing Criteria Pollutant and
Greenhouse Gas Emissions**

Reduce Petroleum Consumption and Energy Use

**Create/Preserve Jobs, Stimulate Economic Recovery,
and Invest in Long Term Growth in Line with American
Recovery and Investment Act (ARRA) Goals**

APPROACH: PROJECT SELECTION

NCTCOG is the Administrator of DOE Funds (\$13,181,171)

22 Project Partners Were Pre-Identified in an Open Process Prior to Submittal of an Application to DOE

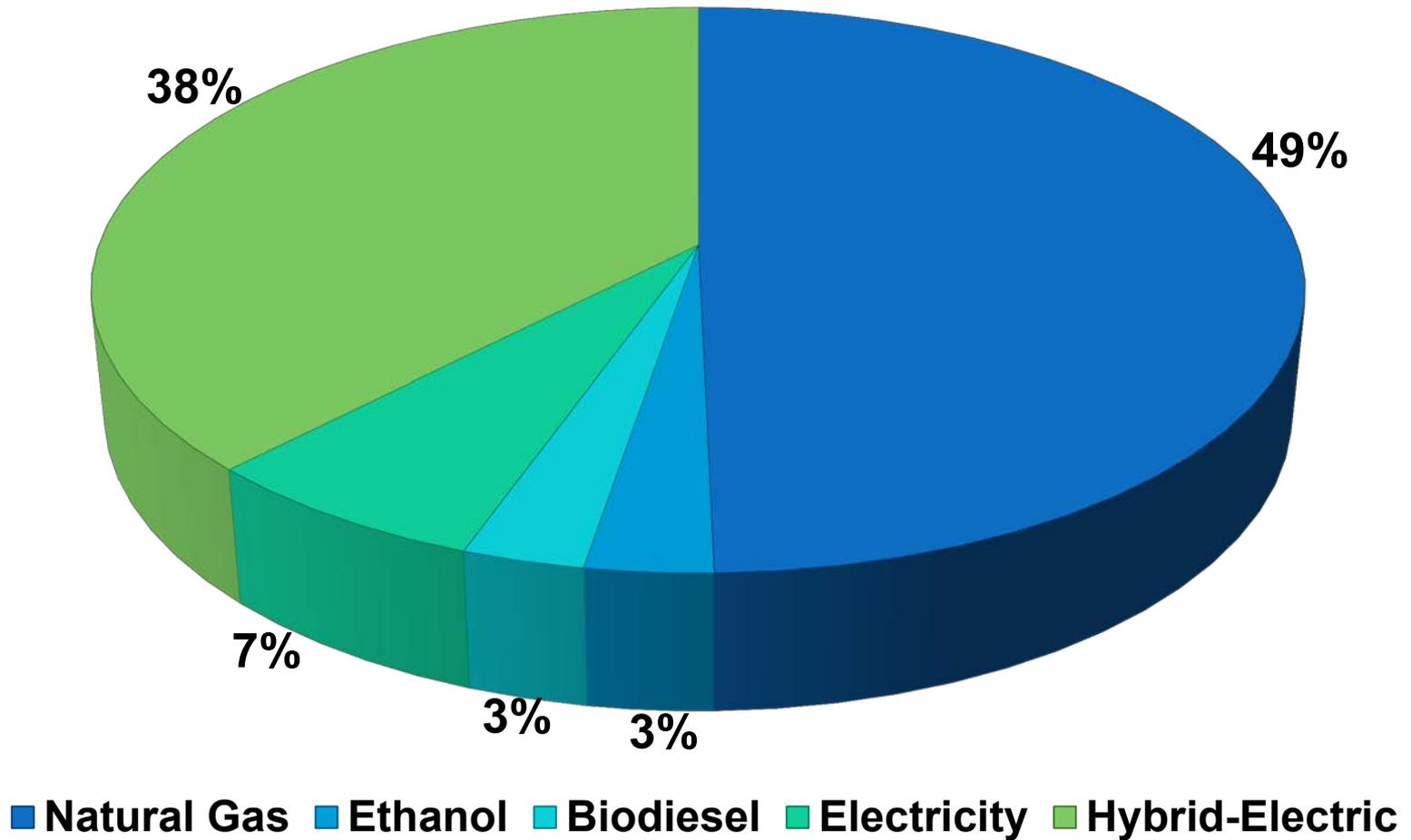
Since Award, Several Projects Have Been Withdrawn and Several Projects Have Been Completed Under Budget

Unexpended Funds Were Reallocated on a Competitive Basis (\$534,554) to Current Project Partners for Additional Eligible Activities

Contingency List of Projects Approved for Use as Needed

APPROACH: FUEL NEUTRAL

Vehicle/Infrastructure Projects: Percent of Funding



APPROACH: PROJECT PACKAGE

**284 Light-, Medium-, and Heavy-Duty Vehicles:
Natural Gas, Gasoline-Electric Hybrid, Diesel
Electric Hybrid, and All Electric**

**11 Refueling Sites: Natural Gas, Electric, Ethanol, and
Biodiesel**

Project Benefits*

Pollutant	Annual Reductions
Nitrogen Oxides (NO_x)	63.7 Tons
Volatile Organic Compounds (VOC)	1.6 Tons
Particulate Matter (PM)	0.8 Tons
Tons Carbon Dioxide (CO₂)	376.5 Tons
Petroleum	872,847 Gallons

*Emission results quantified using the Clean Cities Area of Interest 4 Emissions Benefit Tool, estimating results of vehicle projects only. Petroleum displacement is also for vehicles only.

APPROACH: MILESTONES

Original Deadline	Revised/Actual Deadline	Tasks
October 2009	January 2010	Agreement Executed with DOE
February 2010	November 2010	Agreements Executed with Subgrantees
March 2010	October 2010	100% of NEPA Documentation Submitted
March 2010	April 2011	100% of NEPA Clearance Received
June 2010	September 2010	50% of Vehicle Orders Completed
September 2010	March 2011	50% of Vehicles Deployed
June 2011	January 2013	100% of Vehicle Orders Completed
December 2011	December 2013	100% of Vehicles Deployed
March 2010	July 2011	50% of Infrastructure Development Started
June 2011	October 2011	50% of Infrastructure Development Complete
December 2010	June 2012	100% of Infrastructure Development Started
March 2011	August 2012	100% of Infrastructure Development Complete
August 2012	August 2012	City of Dallas CNG/Hybrid Training Complete
Throughout	Throughout	Marketing, Outreach, and Training Campaign

ACCOMPLISHMENTS: ADMIN TASKS

Agreements Executed*

- 17 of 17 Subrecipients

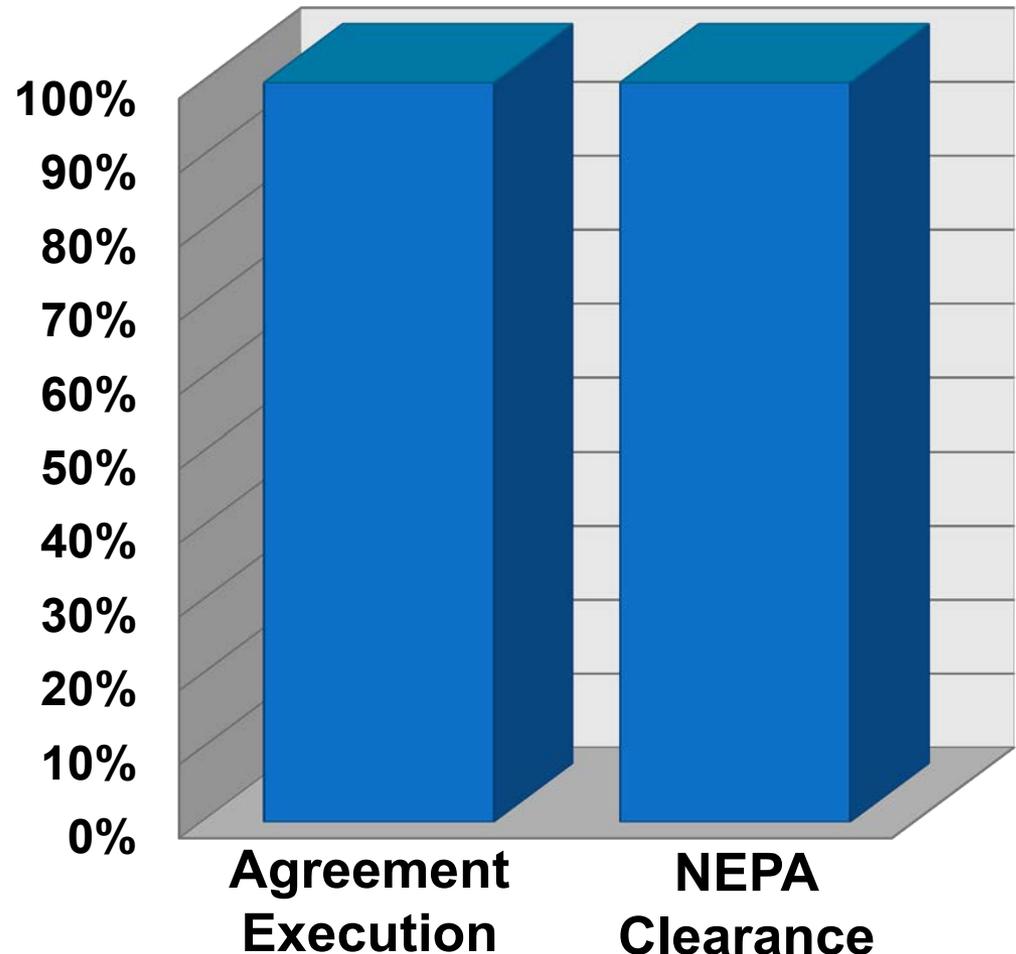
NEPA Submitted

- 10 of 11 Sites
- Vehicle Purchase and Conversion

NEPA Reviewed

- 11 of 11 Sites
- Vehicle Purchase and Conversion

■ Complete ■ In Progress



(As of March 14, 2012)

*Reduced From 19 at Previous Merit Review Due to Withdrawal of Project Partners

ACCOMPLISHMENTS: VEHICLES

■ Deployed ■ Ordered ■ Planned

284 Vehicle Projects Funded*

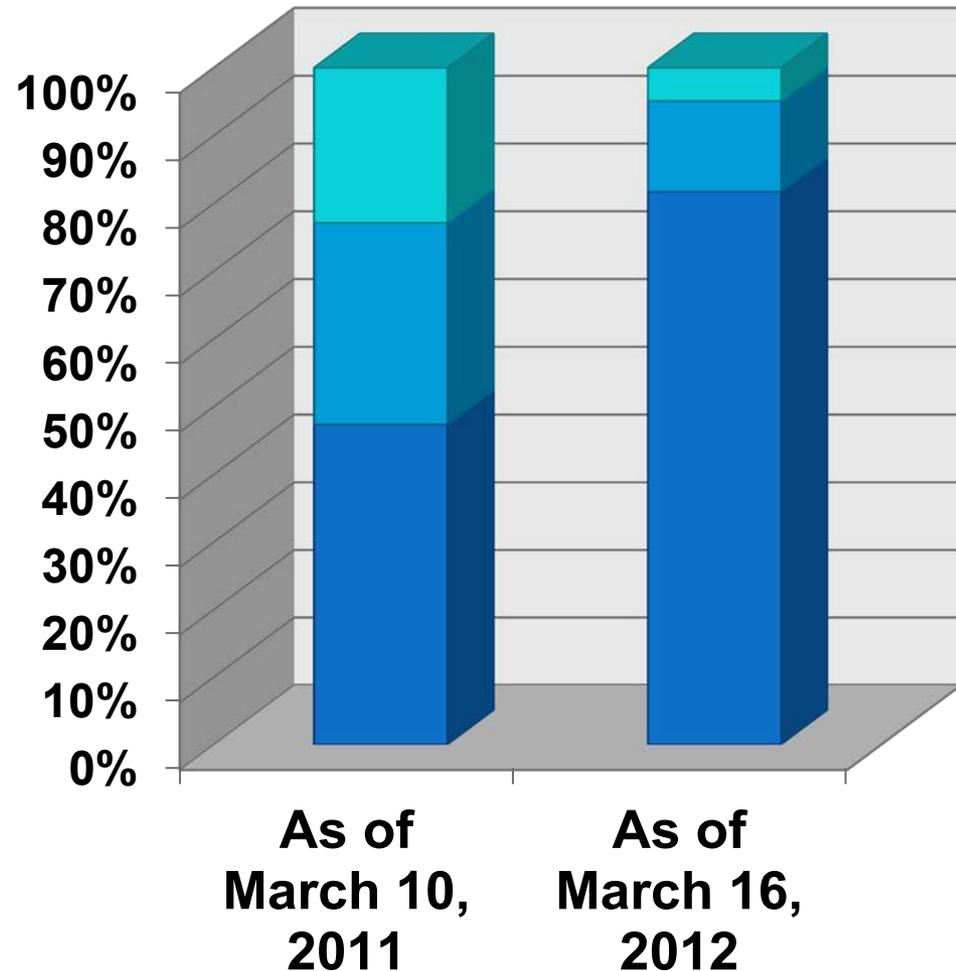
- CNG, Electric, Hybrid

Vehicles Deployed

- 52 of 77 Light-Duty
- 180 of 207 Med-/Heavy-Duty

Additional Vehicles Ordered to Date

- 25 of 25 Light-Duty
- 13 of 27 Med-/Heavy-Duty



(As of March 14, 2012)

*Reduced From 376 at Previous Merit Review Due to Withdrawal of Project Partners

ACCOMPLISHMENTS: REFUELING

11 Refueling Sites Funded

- CNG, Electric, Ethanol, Biodiesel

Operational

- 6 of 11 Refueling Stations

Site Work Started

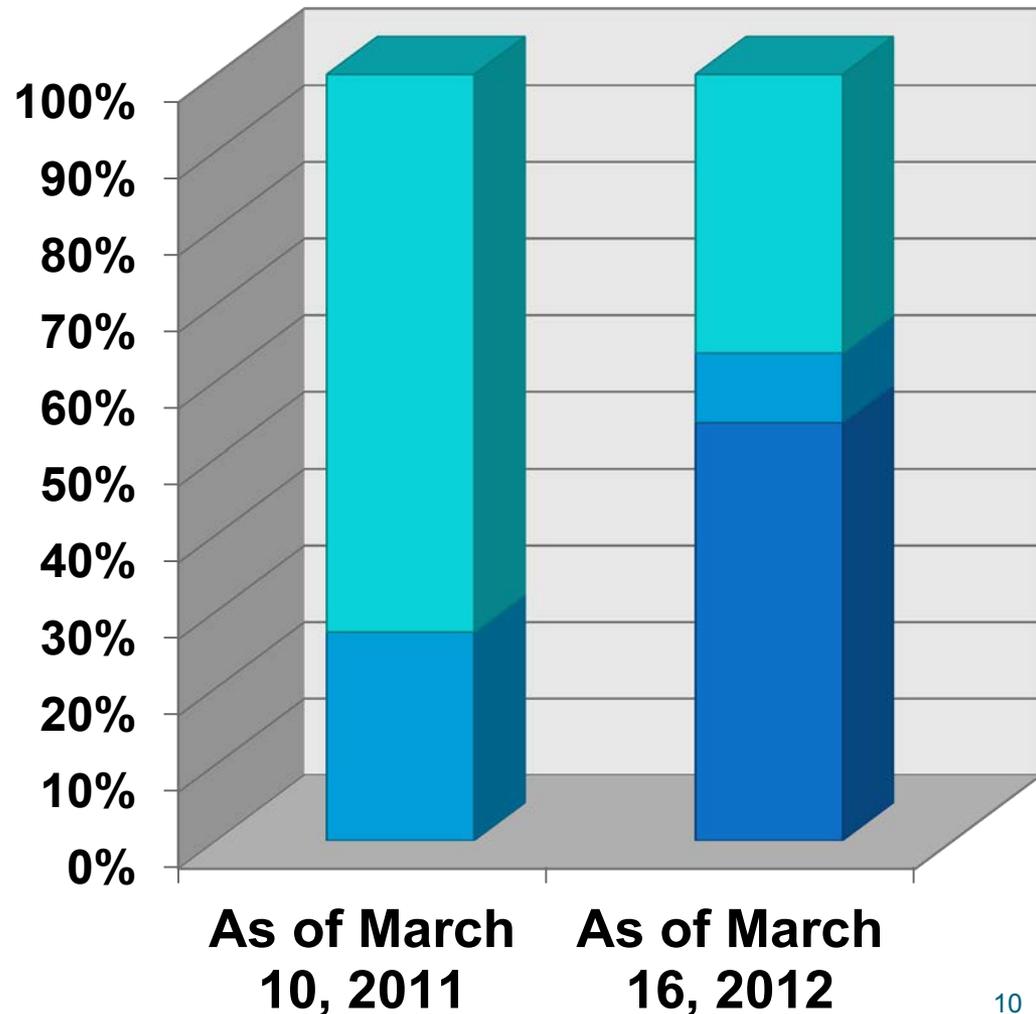
- 1 of 11 Refueling Stations

Planning/Design/Permitting

- 4 of 11 Refueling Stations

(As of March 14, 2012)

■ Operational ■ Site Work Started ■ Planned



ACCOMPLISHMENTS: OUTREACH

Highlights

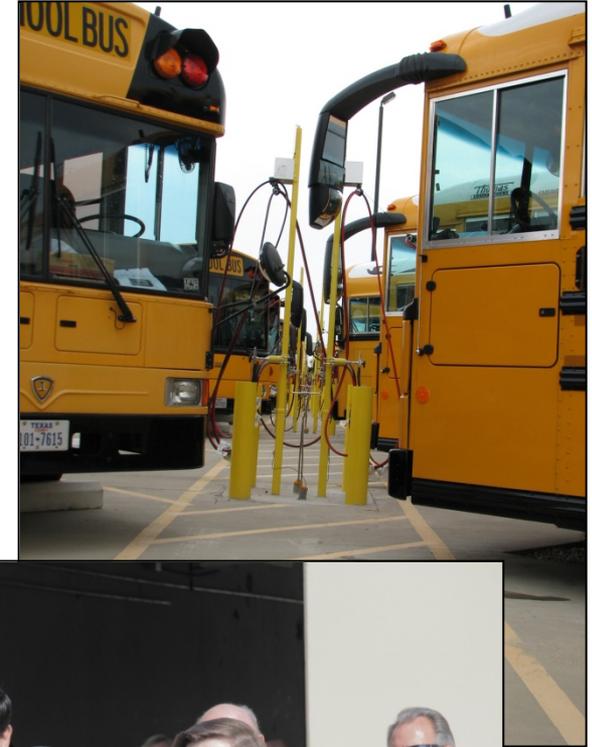
- Clean Air Action Day Alt Fuel Expo
- Denton Fuel Station Opening

NCTCOG

- Success Stories on Projects
- Promotion at Outreach Events

Partners

- Presentations
- Press Releases and Articles
- Employee Training and Education
- Decals & Ads on Projects



(As of March 14, 2012)

COLLABORATION AND PARTNERS

**Private/Nonprofit
(44% of DOE Funds)**

**Canteen Vending
Coca-Cola Enterprises
Frito-Lay North America, Inc.
Highway of Hope
New Bern Transport Corp.
PAM Transport, Inc.
Splash Transport, Inc.
Sysco Corporation**

**Public
(56% of DOE Funds)**

**City of Dallas
City of Denton
City of Fort Worth
City of Garland
City of Richardson
City of Southlake
DFW International Airport
Fort Worth ISD
Mansfield ISD**

FUTURE WORK (FY2012-2013)

Continue Administration and Oversight of Project

Complete NEPA Review of Funded Projects

Complete Construction of All Infrastructure Projects

Deploy Remaining 18% of Vehicle Projects

Access “Contingency” List of Approved Projects as Needed

Continue Development of CNG/Hybrid-Electric Training

Continue Marketing, Outreach, and Training Campaign

SUMMARY

Project Enhances Air Quality, Reduces Petroleum Use, and Preserves/Creates Jobs

Project is Fuel Neutral and Facilitates Use of a Variety of Alternative Fuels and Advanced Technologies

Project Engages a Number of Public, Private, and Nonprofit Interests and Partnerships Remain Strong

Overall Project Currently Slightly Behind Schedule

- **Vehicle Lead Times and Infrastructure NEPA Clearance**
- **Subrecipient Internal Procurement/Approval Processes**
- **Reallocation of Funds**

SUMMARY TABLE

Tasks	Total # Planned Activities	Through FY 11	FY 11-12 ¹	Percent Change	Percent Remaining
Agreements Executed ²	17	19	17	-11%	0%
NEPA Submitted ³	13	13	13	0%	0%
NEPA Reviewed ³	13	13	13	0%	0%
Vehicles Ordered ²	284	291	260	-11%	7%
Vehicles Deployed	284	156	232	49%	18%
Site Work Started	11	3	7	133%	36%
Site Work Complete	11	0	6	600%	45%
City of Dallas CNG and Hybrid Training	2	0	0	0%	100%
Marketing, Outreach, Training Campaign	NA	36	75	108%	NA

¹Cumulative Total

²Total # Planned Has Decreased Since FY11 Due to Withdrawal of Project Partners

³Some NEPA May Need to be Resubmitted Due to Changes in Projects