

NORTH CENTRAL TEXAS ALTERNATIVE FUEL AND ADVANCED TECHNOLOGY INVESTMENTS

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North Central Texas Council of Governments
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**Project ID #
ARRAVT057**

OVERVIEW

Timeline

- **Start January 29, 2010**
- **End January 28, 2014**
- **39% of Activities Complete**

Budget

- **Total Project \$35,699,187**
- **DOE Funds \$13,181,171**
- **Cost Share \$22,009,580**
- **37% Federal / 63% Match**
- **32% Expended to Date**

Barriers

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

Subrecipient Partners

- **Local Governments**
- **School Districts**
- **Private Sector Companies**
- **International Airport**
- **Non-Profit 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

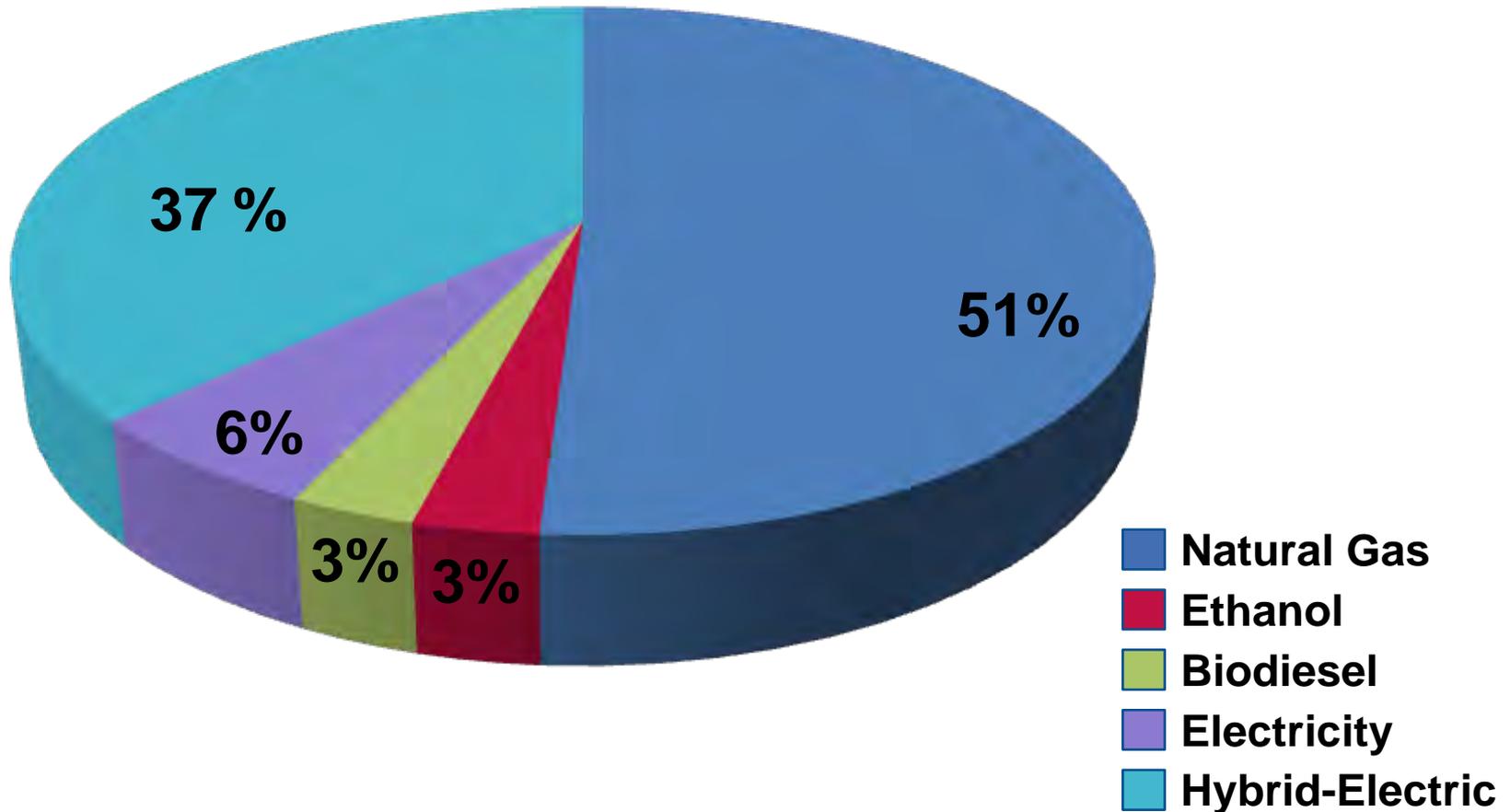
Since Award, Several Projects Have Been Withdrawn and Several Projects Have Been Completed Under Budget

Unexpended Funds (\$211,482) Were Reallocated on a Competitive Basis 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

- 376 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*

- 67.7 Tons Nitrogen Oxides (NO_x) Reduced**
- 4.5 Tons Volatile Organic Compounds (VOC) Reduced**
- 0.8 Tons Particulate Matter (PM) Reduced**
- 1,509 Tons Carbon Dioxide (CO₂) Reduced**
- 1.25 Million Gallons of Petroleum Displaced**

*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	October 2011	100% of Vehicle Orders Completed
December 2011	December 2011	100% of Vehicles Deployed
March 2010	March 2011	50% of Infrastructure Development Started
June 2011	September 2011	50% of Infrastructure Development Complete
December 2010	September 2011	100% of Infrastructure Development Started
March 2011	December 2011	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:

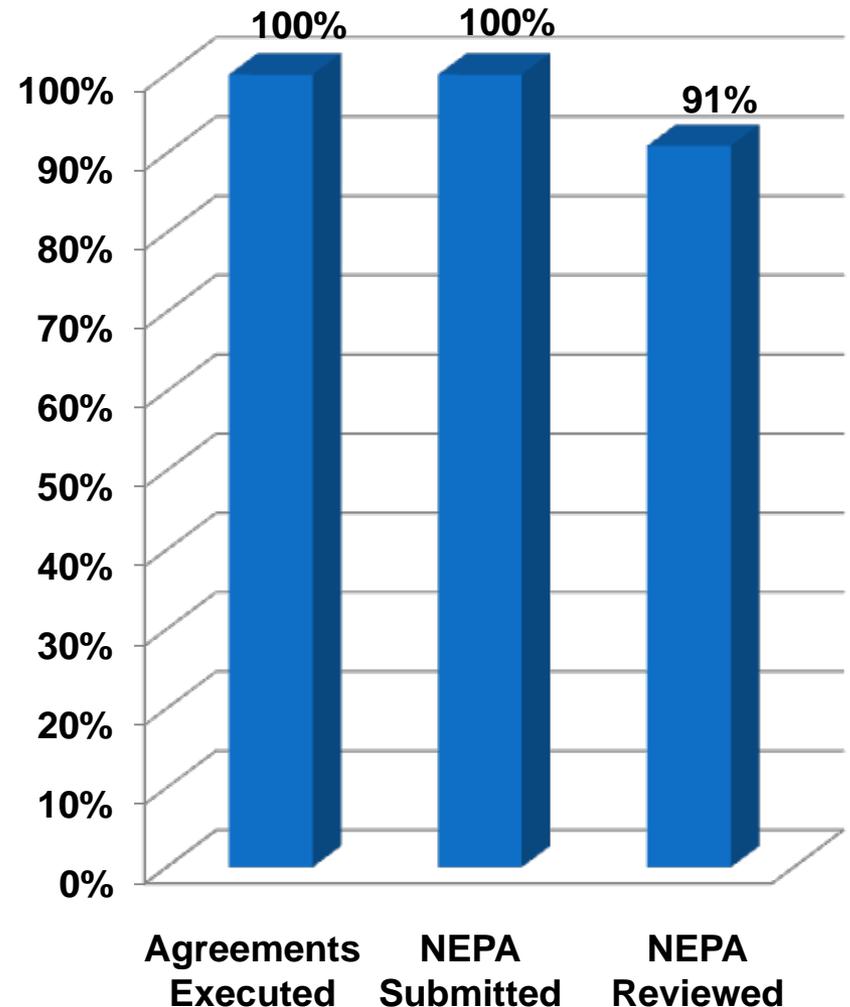
- 19 of 19 Subrecipients

NEPA Submitted:

- 11 of 11 Sites
- Vehicle Purchase and Conversion

NEPA Reviewed:

- 10 of 11 Sites
- Vehicle Purchase and Conversion



(As of March 10, 2011)

ACCOMPLISHMENTS: VEHICLES

376 Vehicle Projects Funded:

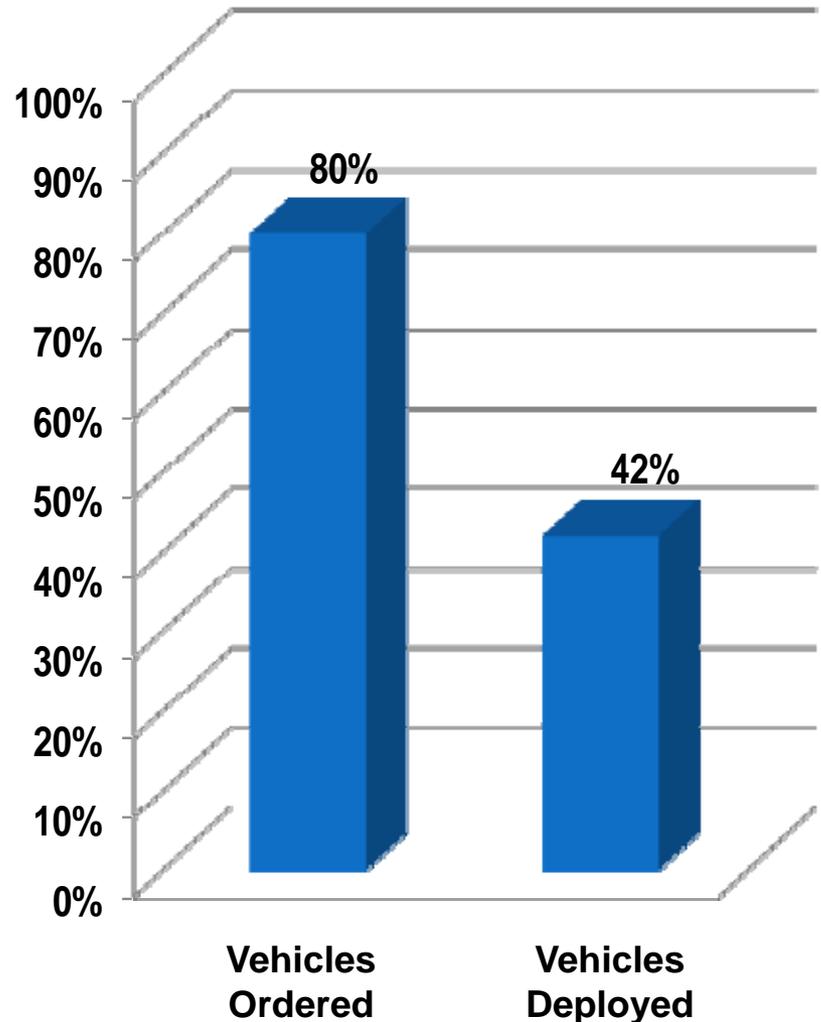
- CNG, Electric, Hybrid

Vehicles Deployed:

- 48 of 178 Light-Duty
- 111 of 198 Med-/Heavy-Duty

Additional Vehicles Ordered to Date:

- 64 of 130 Light-Duty
- 76 of 87 Med-/Heavy-Duty



(As of March 10, 2011)

ACCOMPLISHMENTS: REFUELING

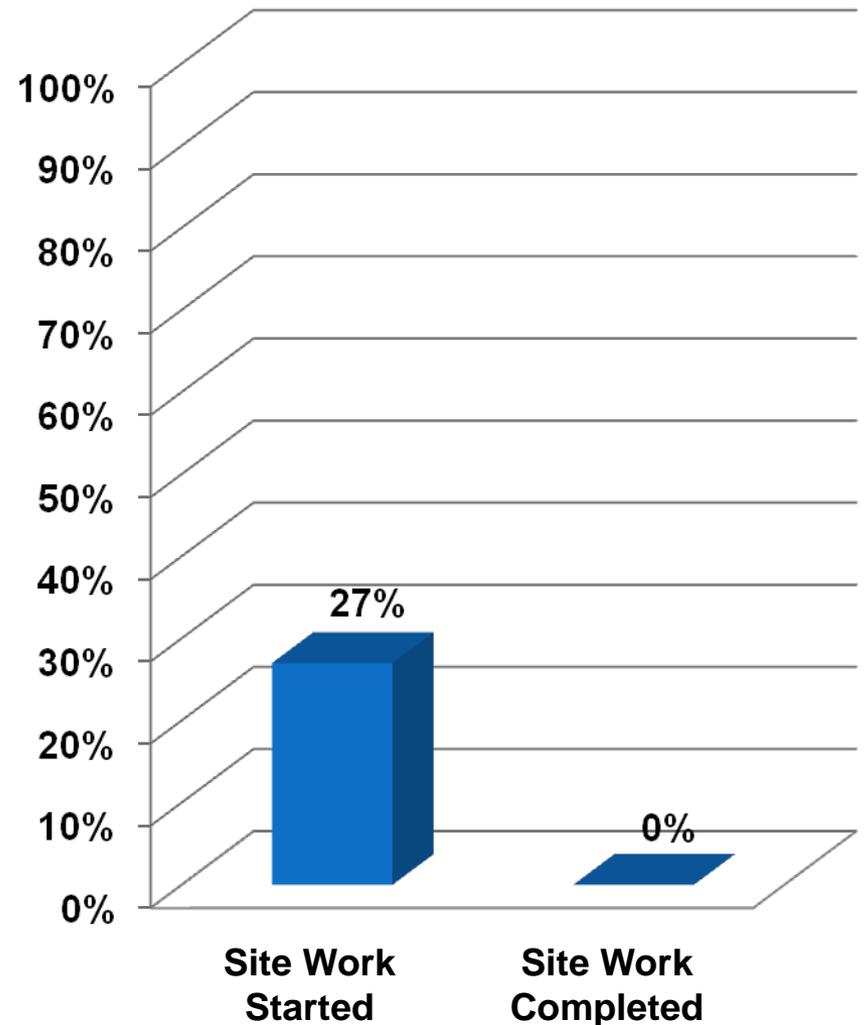
11 Refueling Sites Funded:

- **CNG, Electric, Ethanol, Biodiesel**

Site Work Started:

- **3 of 11 Refueling Stations**

(5 Additional Sites currently in Design, Engineering, Permitting and Contracting Phases)



(As of March 10, 2011)

ACCOMPLISHMENTS: OUTREACH

Highlights:

- Advancing the Choice Event
- EV Showcase at State Fair

NCTCOG:

- 34 Total Events
- 1,670 Total Attendees

Partners:

- Presentations
- Press Releases and Articles
- Training and Education
- Decals on Projects

(As of March 10, 2011)



COLLABORATION AND PARTNERS

**Private/Non-Profit
(46% of DOE Funds)**

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

**Public
(52% of DOE Funds)**

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

FUTURE WORK (FY2011-2012)

Continue Administration and Oversight of Project

Complete NEPA Review of Funded Projects

Complete Construction of All Infrastructure Projects

Deploy Remaining 58% 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 Non-Profit 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 # Activities	FY 09-10	FY 10-11*	Percent Increase	Percent Remaining
Agreements Executed	19	4	19	78%	0%
NEPA Submitted	11	10	11	9%	0%
NEPA Reviewed	11	6	10	67%	9%
Vehicles Ordered	376	123	291	137%	20%
Vehicles Deployed	376	30	156	420%	58%
Site Work Started	11	1	3	200%	73%
Site Work Complete	11	0	0	0%	100%
City of Dallas CNG and Hybrid Training	2	0	0	0%	100%
Marketing, Outreach, Training Campaign	NA	4	36	800%	NA

*Cumulative Total