

Texas Propane Vehicle Pilot Project

Project ID #ARRAVT058

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Railroad Commission of Texas

May 5, 2010

Overview

Timeline

- Start: February 1, 2010
- End: January 31, 2014
- Less than 50 percent complete

Budget

- \$45,159,853
 - DOE share: \$12,633,080
 - Cost share: \$32,526,773

Barriers

- Technical
- Budgetary
- Administrative

Partners

- School districts
- Cities/counties
- Central Texas Clean Cities

Objectives

Texas Propane Vehicle Pilot Project

- Deploy ~800 propane vehicles
- Install/upgrade 35 propane fueling stations
- Operate concurrent public education and training programs

In order to:

- Reduce dependence on petroleum by ~12 million gallons
- Increase use of propane by ~15.9 million gallons
- Reduce GHG emissions by ~78,000 tons
- Educate the public about alternative fuels' benefits
- Create/retain 141 jobs

Milestones

Month/Year	Milestone
April 2010	100% of NEPA documentation for vehicle purchases and refueling infrastructure installations submitted for review
May 2010	100% of NEPA environmental questionnaires approved
May 2010	100% of sub-contract agreements signed
Nov. 2009–March 2014	Clean Cities public education program up and running
January 2010-January 2014	Training program for refuelers, technicians and emergency responders up and running
January 2011	50% of vehicles ordered
July 2010	50% of fueling stations ordered
January 2011	100% of fueling stations installed
January 2012	100% of vehicles deployed

Technical Accomplishments

Administrative infrastructure is in place

- Sub-recipient agreements sent to partners March 10, 2010
- NEPA documentation submitted for 100% of vehicles, retrofits, and fueling stations
- Wrote specifications for five standard configurations of propane fueling stations; worked with Buy Board to issue RFP on March 7, 2010



Technical Accomplishments

The training program is up and running

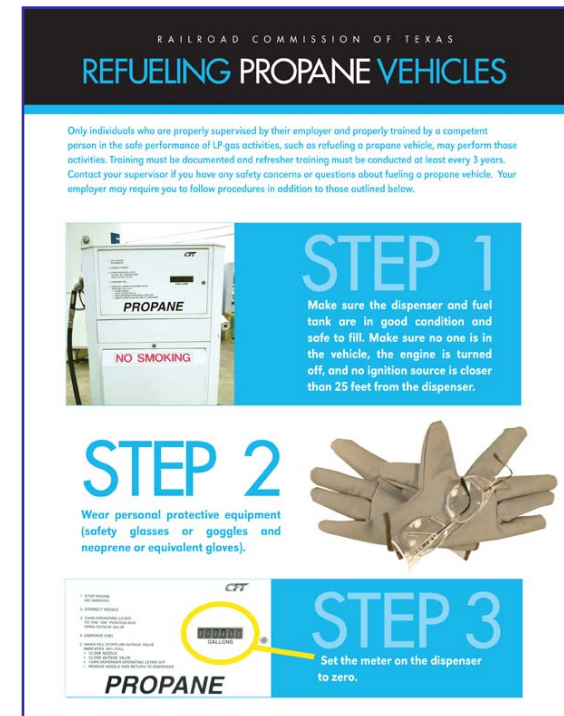
- Developed refueler training curriculum; provided Propane Refueler Training for over 60 bus drivers, shop foremen, mechanics and supervisory personnel from two school districts and a Head Start program.
- Trained 74 emergency responders from agencies that may be called to respond to incidents involving refueling stations and/or vehicles paid through this grant.



Technical Accomplishments

The training materials are available online

- In response to requests from districts receiving Refueler Training, developed a step-by-step laminated document on how to refuel propane vehicles.
- Provided DOE Project Officer with copies of training materials.
- Trained 28 automotive technicians to work on the propane systems of vehicles funded under this grant.



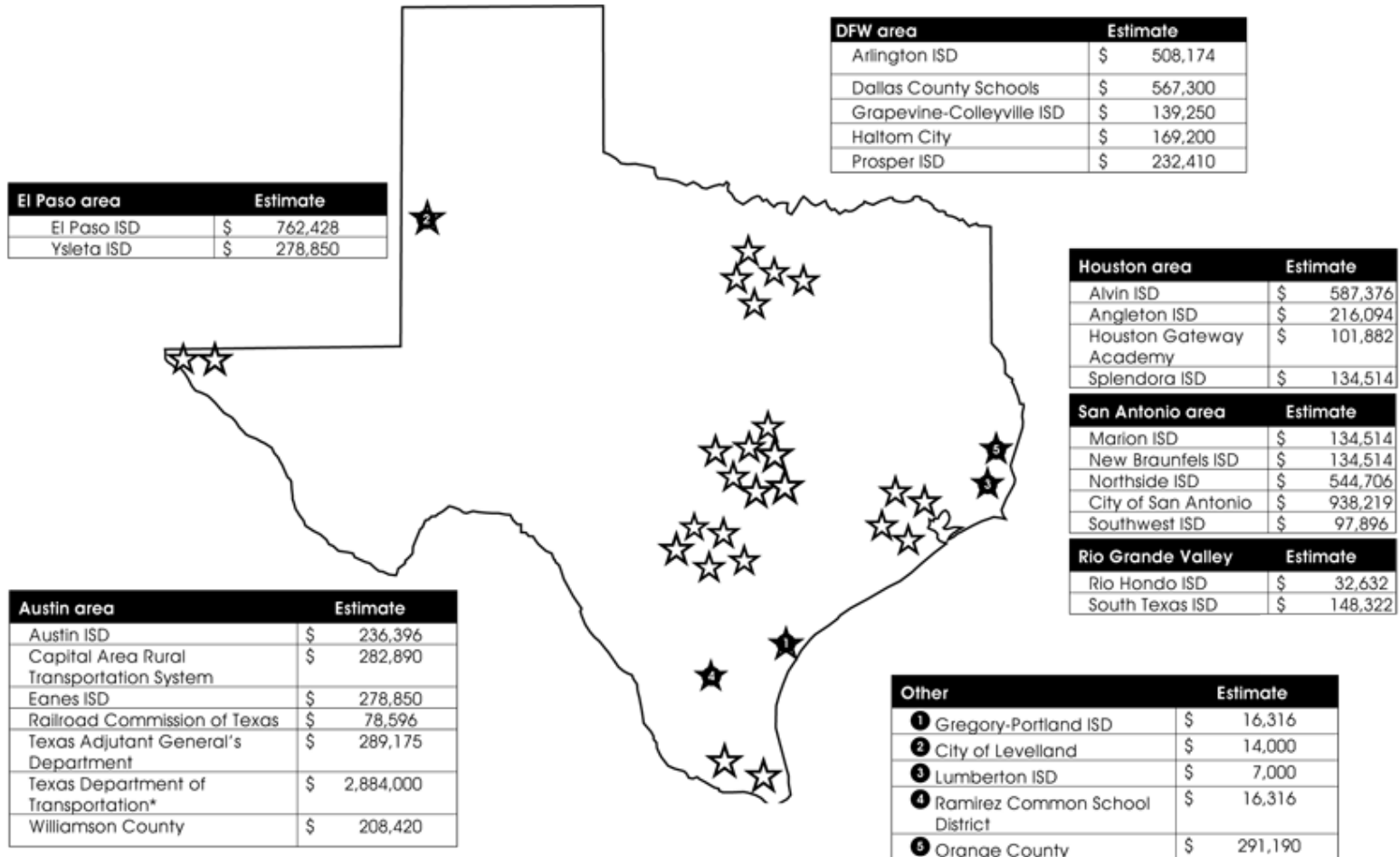
Technical Accomplishments

The public education program is up and running

- Held 8 seminars in conjunction with Clean Cities organizations for 290 fleet managers representing 98 fleets about the advantages of propane as an alternative fuel
- More than 100 Texas media outlets ran articles or provided live coverage of these events.
- Project ARRA Web site is up; includes Clean Propane Fleet blog



Partners



Future Work

By January 31, 2011 (end of Program Year 1)

- Secure approval of all submitted NEPA EQs
- Complete vehicle and infrastructure reimbursement programs (9/30/2010)
- Complete MY 2010 vehicle ordering (9/30/2010)
- Complete refueling station equipment ordering (July 2010)
- Deliver MY 2010 vehicles (1/31/2011)
- Install refueling stations and station upgrades (1/31/2011)
- Continue Clean Cities seminars, special events, media outreach
- Continue driver, refueler, technician and emergency responder training
- Evaluate public education and training program; implement Year 2 plan
- Collect data; report on time

Summary

- **The project will deploy many propane vehicles and fueling stations**
 - Place 800+ school buses, pickups and other vehicles in service
 - Install or upgrade 35 cost-saving fueling stations on partners' properties
- **Administrative infrastructure is in place**
 - All NEPA EQ's submitted and subrecipient contracts issued
 - Revised PMP and SOPO approved; kickoff briefing held April 1 at NETL
 - Reporting and reimbursement processes developed and operational
- **The public education program is off to a fast start**
 - 8 seminars, 98 fleets, 290 fleet managers through 3/31/2010
 - Events covered by more than 100 Texas media outlets
 - Project ARRA Web site is up; includes Clean Propane Fleet blog
- **The training program is off to a fast start**
 - Certified lead automotive instructor as Roush Performance trainer
 - Trained 60 drivers, mechanics and others through 3/31/2010
 - Trained 74 emergency responders near partner fleets
 - Trained 28 technicians to work on certified propane systems