Utah Clean Cities Transportation Sector Petroleum Reduction Technologies Program

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Project ID # ARRAVT043

Overview

Timeline

Start: January 28, 2010

Finish: January 27, 2014

65%Percent complete

Budget

- Total project funding
 - DOE share:
 - **\$14,906,648.00**
 - Recipient share:
 - **\$37,458,715.00**

Barriers

The current economic recession has caused a few private partners and small municipalities to have to be replaced.

Partners

The state of Utah and numerous universities, private companies, and municipalities are contributing vehicles or stations toward this project.

Relevance

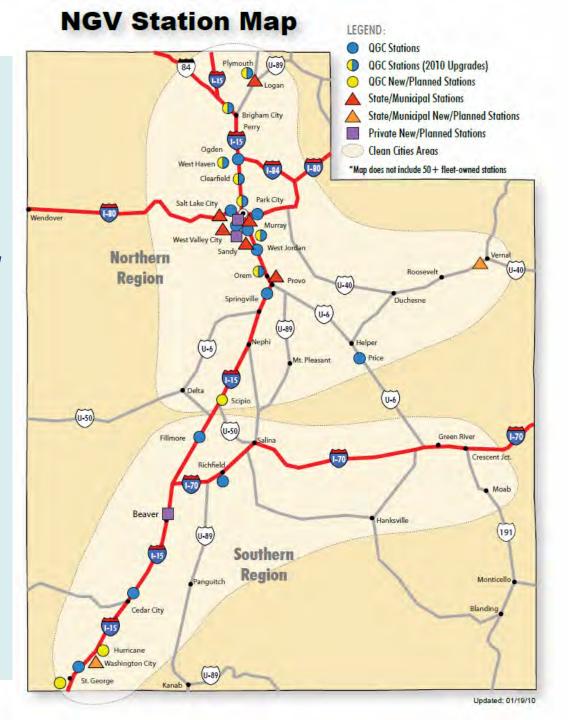
FY09/10/11/12 Project:

Utah Clean Cities Transportation Sector Petroleum Reduction Technologies Program

Project Objective:

To promote economic growth and reduce petroleum use in Utah by increasing the number of CNG, LNG, Hybrid, and biodiesel vehicles on the road, creating an I-15 corridor for alternative fuels, and helping in insure our fleets don't have to sacrifice jobs in their efforts to go green.

Anticipated public NGV sites after the grant



Approach

- Subrecipient contracts were signed
- All NEPAs were approved
- Station construction and vehicle ordering began
- Partner plans were adjusted to meet their updated plans
- Stations and vehicles were shifter to existing and new partners, in order to meet the grant parameters.

UCCC Milestones

Month/Year	Milestone	
May 2010	75 % of the vehicle NEPA's have approval. 50% of the approval vehicle NEPA's have been ordered or purchased 80% of the infrastructure NEPA's have been approved 50% of the approved infrastructure is under construction	
June 2010	100% of the sub-contract agreements signed	
July 2010	100% of vehicle NEPA's approved	
August 2010	25% of the vehicles are deployed and tracking fuel and mileage	
September 2010	25% of the approved infrastructure is complete	
October 2010	100%balance of the vehicle NEPA's have been ordered or purchased. 100%balance of the infrastructure NEPA's have been approved	
January 2011	50% of infrastructure is complete	
January 2011	50% of vehicles are deployed and tracking fuel and mileage	
August 2011	100% of infrastructure is completed	
August 2011	100% of the vehicles are deployed and tracking fuel and mileage 100% of trainings are complete 100% of outreach and education activities are complete	6

Technical Accomplishments

 UCCC reached the milestone of 50% project completion ahead of schedule with the following projects:

Stations:

- Semi- Service new public CNG station
- New Questar® stations in St George, Hurricane, Scipio, and Naples
- Upgrades completed to 6 State of Utah Stations
- Questar has broken ground on 4 new stations
- Questar has upgraded 7 stations
- Ground has been broken for 4 more stations
- CH4 Energy LNG Station Complete
- Washington City Public Station Complete
- 5 EV Stations Completed
- Washakie Renewables Biodiesel Station opened

Vehicles

- Over 220 vehicles have been ordered
- Over 175 vehicles have been deployed

Technical Accomplishments Progress

 In the past year, new CNG stations and upgrades have been completed. The first LNG station in the state has open as well as the first Electric Vehicle Charging Stations

Stations:

- New Questar station in Scipio
- Questar has broken ground on 1 new station
- Questar has upgraded 2 stations
- Ground has been broken for 4 more stations
- CH4 Energy LNG Station Complete
- Washington City Public Station Complete
- 5 EV Stations Completed
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Project Partners

- CH4 Energy
- CP Fuels
- Go Natural Towing
- Jordan School District
- Kenworth PacLease
- Ogden City
- Questar Gas Company
- Robinson Waste
- Salt Lake City
- Semi Service Inc
- State of Utah

- St. George Express
- •Sysco®
- University of Utah
- Utah State University
- Utah Transit Authority
- Wasatch CNG
- Washakie Renewables
- Washington City

Future Work

- The second and third LCNG stations in Utah will open this year.
- The first LNG Class 6-8 tractor trailers in Utah will be deployed by August.
- New CNG stations will be opened throughout the state.
- More stations grand openings and vehicle unveilings will be held.
- Educational and media campaigns will begin
- Signage will be created to advertise alternative fuels on the highways in Utah for the first time
- Risk management for these projects are additional projects that current partners have created, which could be implemented if needed

Summary

- This project will create more public attention for Alternative Fuels in Utah than ever before.
- Over 20 new public alternative fuel stations and over 20 upgrades to public stations will occur throughout the state.
- Over 400 new natural gas vehicles will be deployed in Utah.
- Over 100 jobs will be created or retained.