

# 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 insure our fleets don't have to sacrifice jobs in their efforts to go green.

# NGV Station Map

*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 shifted 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

# *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
  - Washakie Renewables Biodiesel Station opened
- Vehicles
  - Over 220 vehicles have been ordered
  - Over 175 vehicles have been deployed



# *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.**