# Utah Clean Cities Transportation Sector Petroleum Reduction Technologies Program

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**Utah Clean Cities Coalition** 

May 3, 2010

Project ID # ARRAVT043

Alternative fruels

## Overview

#### **Timeline**

Start: January 28, 2010

Finish: January 27, 2017

40%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.

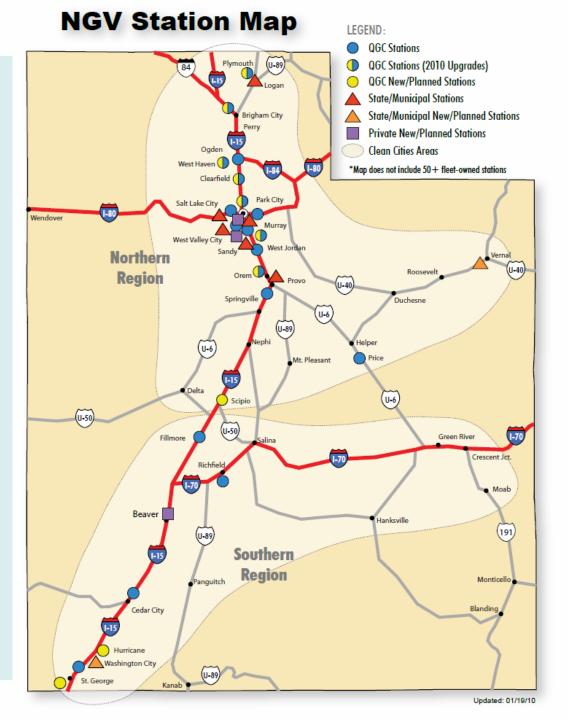
# **Objectives**

FY09/10/11/12 Project:
Utah Clean Cities Transportation Sector
Petroleum Reduction Technologies Program

**Project Objective:** 

To 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 can don't have to sacrifice jobs in their efforts to go green.

Anticipated public NGV sites after the grant



## **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  |   |
| March 2011     | 50% of vehicles are deployed and tracking fuel and mileage   |   |
| June 2011      | 100% of infrastructure is completed  |   |
| July 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  | 5 |

## Technical Accomplishments

- Sub-recipient agreements signed with 15 of partners
- NEPA documentation submitted for 80% of vehicles and stations
- Stations:
  - Semi- Service new public CNG station grand opening = May 14<sup>th</sup>
  - Upgrades completed to 6 State of Utah Station
  - Questar has broken ground on 5 new stations
  - Questar has upgraded 3 stations
  - Ground has been broken for 4 more stations
- Vehicles
  - Over 100 vehicles have been ordered
  - Over 30 vehicles have been deployed

# Project Partners

- CH4 Energy
- CP Fuels
- Go Natural Towing
- Jordan School District
- 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
- Zion National Park

### Future Work

- The first LCNG station in Utah will open at the end of the summer, with the ground breaking for 2 more by the end of the year.
- The first LNG Class 6-8 tractor trailers in Utah will be ordered by the end of summer.
- New CNG stations will be opened throughout the state, including a crucial station on I-70 to connect Utah and Colorado.
- A new biodiesel station will open.
- 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

## Summary

- This project will create more public attention in Utah than ever before.
- Over 20 new public alternative fuel stations and over 20 upgrades to public CNG stations will occur throughout the state.
- Over 600 new natural gas vehicles will be deployed in Utah.
- Over 100 jobs will be created or retained.