



# Idaho Petroleum Reduction Leadership Project

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**ARRAVT041**

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# Project Overview

## Timeline

- Start date - Jan. 2010
- End date - Jan. 2014
- 21% CNG vehicle deployment complete
- 25% CNG fueling facilities complete

## Budget

- Total project funding - \$12,358,939  
(DOE - \$5,519,862 /  
Match - \$6,839,077)
- DOE funding for FY10 - \$4,902,936
- DOE funding for FY11 - \$484,262
- Invoice submitted for \$308,385 on  
5/3/2010
- Matching funds contributed up to  
5/3/2010 - \$1,473,846

## Potential barriers

- State regulations on resale of Compressed Natural Gas (CNG) to public – **THIS HAS BEEN OVERCOME**

## Partners

- Treasure Valley Clean Cities Coalition
- Allied Waste (the largest refuse hauler in the Treasure Valley)

# Idaho Petroleum Reduction Leadership Project Objectives

## Relevance to DOE's Clean Cities Goals:

- Achieve a significant reduction in petroleum consumption by switching the majority of the trucks used by the largest refuse hauler in the Treasure Valley (Allied Waste) from diesel to CNG
- Create a sustainable market for CNG as a transportation fuel in the Treasure Valley through the development of two public fueling stations (one in Boise and one in Nampa) and promotion of CNG fuel use by additional fleets and individuals

**Summary: This project will meet numerous objectives of the Department of Energy's Clean Cities Program.**

# Idaho Petroleum Reduction Leadership Project Objectives

## Relevance to ARRA of 2009 Goals:

- **Create and maintain jobs** through the construction of fueling facilities and production of CNG vehicles
- **Spur economic activity** with immediate investments in fueling facilities and vehicles
- **Support long-term economic growth** by reducing fuel costs of fleets and individuals and establishing a new alternative fuel market in the Treasure Valley
- **Provide environmental benefits** through emissions reductions associated with a fuel shift from diesel to CNG

**Summary: The project will meet numerous objectives of the American Recovery and Reinvestment Act of 2009.**

# Project Approach

- **Develop facilities for fueling Allied Waste's CNG refuse vehicles in two locations (Boise, Ada County and Nampa, Canyon County)**
- **Deploy 28 CNG refuse vehicles for use by Allied Waste in the Treasure Valley**
- **Develop public fueling stations in two locations (Boise and Nampa)**
- **Complete training activities**
- **Complete outreach and marketing activities to promote adoption and use of CNG by additional fleets and individuals in the Treasure Valley**
- **Complete all required monitoring and reporting**

**Summary: The project will meet its objectives through development of fueling facilities for Allied Waste's CNG refuse vehicles, deployment of 28 CNG refuse vehicles by Allied Waste, development of two public fueling stations, and outreach and marketing of CNG fuel and vehicles to area fleets and the public.**

# Key Project Milestones

<u>Month-Year</u>	<u>Milestone</u>
August-2009	Allied Waste's fueling facilities in Boise completed
August-2009	Safety training on CNG equipment and vehicle fueling for Allied Waste employees completed
March-2010	All NEPA EQs submitted and approved
April-2010	Treasure Valley Clean Cities Coalition agreement with sub-recipient (Allied Waste) completed
Dec-2009	6 CNG refuse trucks deployed (21% of project total)
April-2011	28 CNG refuse trucks deployed (100% of project total)
September-2010	Allied Waste's fueling facilities in Nampa completed
October-2010	Public fueling stations in Boise completed
November-2010	Public fueling stations in Nampa completed
September-2010	Public roll-out of marketing campaign

**Summary: The project is on track achieve planned milestones on schedule. 21% of the vehicles have been deployed, 25% of fueling facilities is complete, safety training has been completed, and outreach and marketing to fleets has begun.**

# Technical Accomplishments

- **Sub-recipient agreement signed with project partner (Allied Waste)**
- **Safety training completed**
- **NEPA documentation (100% complete)**
  - **Completed for fueling facilities and vehicle purchases**
- **CNG refuse vehicles (21% complete)**
  - **6 vehicles deployed (the remaining 22 vehicles will be deployed by April 2011)**
- **Fueling facilities (25% complete)**
  - **Site work and maintenance shop modifications completed at Allied Waste's Boise fueling location**
  - **Fueling equipment constructed and in use at Allied Waste's facility in Boise**
  - **Pre-construction begun on Allied Waste's Nampa fueling equipment and both public fueling stations (completion expected fall 2010)**
- **Outreach and marketing (10% complete)**
  - **Outreach and marketing plans prepared**
  - **2 events completed and 6 future events planned in FY2010**
  - **3 fleet or dealer meetings completed and 6 additional meetings planned for the current quarter**

**Summary: The TVCCC has met all planned project milestones to date. Allied has finished fueling facilities in Boise and deployed 6 CNG refuse vehicles.**

# Partnerships

- **Treasure Valley Clean Cities Coalition**
- **Allied Waste**



**Summary: All project partners have contributed fully to the project's progress to date and are on track to complete project activities.**



# Future Work

<b>Activities for remainder of FY10</b>	<ul style="list-style-type: none"><li>• Deploy 18 additional CNG refuse vehicles</li><li>• Complete development of CNG equipment for fueling Allied Waste's vehicles in Nampa</li><li>• Conduct outreach to area fleets and vehicle dealers</li><li>• Commence public marketing campaign</li></ul>
<b>Activities in FY11</b>	<ul style="list-style-type: none"><li>• Complete development of public CNG fueling stations in both Boise and Nampa</li><li>• Deploy 4 additional CNG refuse vehicles</li><li>• Conduct additional outreach to area fleets and vehicle dealers and continue public marketing campaign</li></ul>
<b>Activities in FY12</b>	<ul style="list-style-type: none"><li>• Complete outreach and marketing</li><li>• Complete all required monitoring and reporting</li></ul>

**Summary: All future work will be completed within two years of the award date. Monitoring and reporting will continue until all criteria are met.**

# Project Summary

- ✓ This project will meet numerous objectives of DOE's Clean Cities Program and the ARRA of 2009.
- ✓ The project is on track to achieve planned milestones on schedule. 21% of CNG vehicles have been deployed, 25% of fueling facilities are complete, safety training has been completed, and outreach and marketing to fleets has begun.
- ✓ The project has resulted in Allied Waste ordering additional CNG vehicles (17 in addition to the original 28 planned under the grant, for a total of 45 CNG refuse vehicles that will be in use in the Treasure Valley).
- ✓ All project partners have contributed fully to the project's progress.
- ✓ All work will be completed within two years of the award date.

**Summary:** This project has spurred the purchase of additional CNG refuse vehicles by Allied Waste's parent company (Republic Services), which plans to purchase approximately 200 CNG refuse vehicles across the country. That shift will make Republic Services a national leader in alternative fuel use.