

State of Indiana/GICC Alternative Fuels Implementation Plan

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Indiana Office of Energy Development
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Project ID #
ARRAVT050

Timeline

- ▶ Project Begin –
December 31, 2009
- ▶ Project implementation –
September 30, 2011
- ▶ Project Reporting –
December 31, 2013

- ▶ Project To Date: 10% Percent complete
– Beginning of contracting phase

Budget

- Total project funding - \$22,792,168
- DOE share - \$10,125,000
 - Contractor share - \$12,585,868

Barriers

- ▶ Education of Rules and Regulations associated with funding
- ▶ Economy – Planning for an unknown future
- ▶ Kit Approval – Timing and Models
- ▶ User education and use procedures

Partners

- Indiana Office of Energy Development
- Greater Indiana Clean Cities

Aiding Alternative Transportation

Relevance

- ▶ Indiana's project will further the installation of propane, compressed natural gas and E85 vehicle fuel stations as well as increase use of hybrid vehicles.
- ▶ The fleets involved span Greater Indiana Clean Cities (GICC's) entire region, from State of Indiana and Indiana municipality fleets to a national partners, Sysco Distribution and RUAN. This application incorporates 914 vehicles and 120 infrastructure sites.
- ▶ 210 jobs are expected to be created
- ▶ The project will displace 1,264,290 gallons of petroleum annually.
- ▶ Marketing and outreach will be administered statewide

Milestones

Approach

| Month/Year | Milestone |
|--------------------------------|---|
| April 2010 | Finalize All Sub-recipient agreements/contracts |
| July 2010 | All Sub-rec. Agreements Fully Executed |
| June 2010 | All NEPA Esq. Submitted and Approved |
| September 2010 January 2011 | Vehicle Ordering 50% complete Vehicle Ordering 100% complete |
| December 2010 July 2011 | Fuel infrastructure development 50% complete Fuel infrastructure development 100% complete |
| November 2010 August 2011 | Vehicle Deployment 50% complete Vehicle Deployment 100% complete |
| July 2011 | Completion of training activities |
| August 2011 | Completion of outreach/education activities |

What Makes Our Plan Unique

Technical Accomplishments and Progress

- Over 900 vehicles from light duty to heavy duty, will reduce their foreign oil consumption by switching to the alternative fuel that has been found to best suite that fleets operation needs.
- NEPA Project Status
 - All sites are shovel ready
 - All NEPA vehicles under review
 - 80% of infrastructure have been submitted and under review

What Makes Our Plan Unique

Technical Accomplishments and Progress

- ▶ The infrastructure being utilized for the CNG vehicles is existing public access sites owned by Citizens Energy and Indiana Geothermal.
- ▶ Citizens Energy and Indiana Geothermal, project partners, are upgrading their facilities to add a higher rate of compression and more storage, ensuring adequate fuel supply for fleets.

What Makes Our Plan Unique

Technical Accomplishments and Progress

- ▶ Lassus is a project partner providing three inner-city public stations with E85 so the City of Ft. Wayne's police FFV fleet will have access to the fuel, not available to date.
- ▶ Both CNG stations have public access.
- ▶ INDOT is considering making propane sites available to other municipalities.

Key Upcoming Events

Technical Accomplishments and Progress

- June 2010 Project Ribbon Cutting Press Event
- September 2010 – Lassus Brothers, Ft. Wayne E85 pump ribbon cutting for police vehicles
- October 2010 RUAN Ground Breaking
- October 2011 Project Completion Celebration

Milestones to date

Technical Accomplishments and Progress

| Date | Milestone |
|---------------|--|
| August 2009 | Award Negotiations Announced |
| December 2009 | Official Award |
| February 2010 | Notified Partners of contract terms |
| March 2010 | 50% of NEPA – Vehicle and Infrastructure proposals submitted |
| March 2010 | Project Partners Kick Off Meeting |
| April 2010 | Finalized Scope Change Finalized Contract Templates |

Project Partners

Collaborations/Partnerships

| Partner | Project |
|--------------------------------------|-----------------|
| Indiana Office of Energy Development | Lead Applicant |
| Greater Indiana Clean Cities | Project Manager |
| Citizens Energy | Project Partner |
| City of Indianapolis | Project Partner |
| City of Fort Wayne | Project Partner |
| Indiana Department of Transportation | Project Partner |
| Indiana Geothermal | Project Partner |
| Lassus Brothers | Project Partner |
| RUAN | Project Partner |
| Sysco | Project Partner |

Project Timeline

Future Work

| Date | Accomplishments |
|--------------------------------|--|
| December 2009 | Received approval for full executed project agreement |
| June 2010 | Partners take projects out for competitive bid |
| July 2010 | Partner bids awarded |
| August 2010 | Partners begin project implementation |
| January 2011 | Complete Vehicle Ordering |
| January 2011 | Complete Equipment Ordering |
| September 2010 | First Station Grand Opening |
| November 2010 – August 2011 | Promotional events coordinated to announce project completions |
| September 2010 | Upon project implementation, GICC will begin marketing and outreach efforts |
| September 2011 | Quarterly reporting of operational and fuel displacement data begins and continues for four years. |

The State of Indiana/GICC Alternative Fuels Implementation Plan

The Summary

- ▶ Due to the fact that projects span statewide and encompass numerous alternative fuels, communities will have a greater awareness of alternative fuels
- ▶ The fuel savings within the state and city fleets will help budgets and therefore could help retain jobs with the resulting cost savings.
- ▶ The impact of the plan will displace over one million gallons of petroleum a year and provide a emission reduction benefit of over **15,000 tons.**
- ▶ Job creation and retention will have a lasting impact on all communities within Indiana as well as SYSCO, RUAN and Dailmer which are national companies.

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- ▶ Indiana's project will further the installation of propane, compressed natural gas and E85 vehicle fuel stations as well as increase the use of hybrid vehicles.
- ▶ This project incorporates 914 vehicles and 120 infrastructure sites.
- ▶ 1,264,290 gallons of petroleum will be displaced annually.

Contact Information

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