

NTRD Program Disclaimers

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9/2/05

**Texas Commission on Environmental Quality
New Technology Research & Development (NTRD) Program
Monthly Project Status Report**

Contract Number: 582-5-70807-0002Grantee: County of El PasoDate Submitted: 08-04-05Report for the **Monthly** period:Starting Date 04-01-05Ending Date 07-31-05

Section I. Accomplishments *(Please provide a bulleted list of project accomplishments as well as a description of their importance to the project.)*

To date, El Paso County, Ruby Mountain Inc., the Idaho National Lab, and Border Quality Campaign of El Paso del Norte have been coordinating with industry and local service providers in El Paso on the development of the LNG shuttle bus for El Paso County. This has included the following:

- ARBOC (formerly Heart International) the manufacturer of the bus.
- John Deere and Bell Power Systems about the feasibility of integrating their engine into the International 3200 series chassis. This includes details regarding the wiring harness and the physical size of the engine.
- Taylor-Wharton (natural gas tank manufacturer) about the different sizes and configurations as well as required components to configure and install tanks onboard the bus.
- Tom Growney Equipment in El Paso who is a John Deere service dealer regarding their ability to support and service the engine on this vehicle.
- Border International trucks regarding the service of the International 3200 series chassis.
- Idaho Transportation Department regarding lessons learned on a rural transportation district they have developed in Pocatello, Idaho.
- Idaho National Laboratory maintenance personnel that would be installing the natural gas system on this bus.

All entities have been introduced to the project and an explanation of the goals has been discussed. In areas where questions need to be addressed, industry partners were tasked to research the area of concern and bring us back an answer. All in all everyone is quite excited about this project and looking forward to working as a team to meet the project objectives.

Additionally, briefings have been prepared and delivered to the El Paso County Commissioner's Court, the local John Deere dealership and Border International Trucks (International Dealership) on the totality project.

Complete specs on the vehicle have been given to ARBOC (formerly Heart International) and fabrication is expected to take up to 90 days.

Indicate which part of the Grant Activities as defined in the grant agreement, the above accomplishments are related to:

Task 1: Engineering Design and Packaging

Section II: Problems/Solutions

<p>Problem(s) Identified</p> <p><i>(Please report anticipated or unanticipated problem(s) encountered and its effect on the progress of the project)</i></p>	<p>N/A</p>
<p>Proposed Solution(s)</p> <p><i>(Please report any possible solution(s) to the problem(s) that were considered/encountered)</i></p>	<p>N/A</p>
<p>Action(s) Conducted and Results</p> <p><i>(Please describe the action(s) taken to resolve the problem(s) and its effect)</i></p>	<p>N/A</p>

Section III. Goals and Issues for Succeeding Period: *(Please provide a brief description of the goal(s) you hope to realize in the coming period and identify any notable challenges that can be foreseen)*

Work in the next month of the project period will focus on the following contract tasks:

Task 1: Engineering Design and Packaging

2.1 Task Statement: Engineering design and packaging to integrate the HLA and LNG engine to the ADA transit bus chassis and will submit the design to TCEQ for approval prior to installation and fabrication described under Task 2.

2.1.1. Engineering and design and packaging to integrate the HLA and LNG engine to the ADA transit bus chassis.

2.1.1.1. Package HLA in low floor rear drive chassis.

2.1.1.2. Design/detail required parts sufficient for fabrication.

Additionally, project partners will be concentrating on the design and development of the bus. Specifications will be further defined and finalized with ARBOC (formerly Heart International). Industry partners will be integrated with and the individual components of the project will be advanced.


Authorized Project Representative's Signature

Date: 8/18/05

NOTE: *Please attach any additional information that you feel should be a part of your report or that may be required to meet the deliverable requirements for tasks completed during this reporting period.*