

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

**Contract Number:** 582-11-11146-3264  
**Grantee:** Capacity of Texas, Inc.  
**Report for the Monthly period:** October, 2011 **Date Submitted:** 11/13/11

**Section I. Accomplishments**

*Provide a bulleted list of project accomplishments as well as a description of their importance to the project.*

- Just as last month, due to heavy involvement by the Capacity Engineering team on a multitude of large customer orders, no significant movement was made on the project, therefore no hours will be submitted.
- Capacity of Texas, Inc., has seen the need for standard diesel truck production jump from 8 trucks per week to over 28 units per week. With that, engineering support for production related issues has increased as well.
- With those factors in mind, serious consideration is being given to bringing a sub-contractor on board to assist with the design and advance the project more rapidly. The company under consideration is US Hybrid based in Torrance, California. US Hybrid Corporation specializes in the design and manufacture of power conversion systems for medium and heavy-duty electric, hybrid, and fuel cell commercial buses and trucks to enable them to become more reliable and fuel-efficient, with lower emissions and better responsiveness. US Hybrid can offer comprehensive engineering expertise and experience in electric and hybrid vehicle systems and components, including integrated motor drive, DC-DC power conversions and high-performance AC motors and controllers. Additionally, US hybrid has firsthand experience with fuel cell vehicles and hybrid terminal tractors. Thus, they are a natural fit to develop a fuel cell terminal tractor. Please visit <http://ushybrid.com/> to see why a potential partnership with the US Hybrid team could be mutually beneficial for both parties.

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

- N/A

## **Section II: Problems/Solutions**

*Problem(s) Identified: Report anticipated or unanticipated problem(s) encountered and its effect on the progress of the project*

Due to a lack of progress on the project, consideration is being given to adding a sub-contract partner as described above. Upon completion of internal discussions within the Capacity of Texas team, a request for sub-contract approval form will be submitted to the TCEQ.

*Proposed Solution(s): Report any possible solution(s) to the problem(s) that were considered/encountered*

- None.

*Action(s) Conducted and Results: Describe the action(s) taken to resolve the problem(s) and its effect*

### **Section III. Goals and Issues for Succeeding Period:**

*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*

The goals for the next month include the following:

- Submit and receive approval for the sub-contract partner, US Hybrid.
- Rapidly complete all design related tasks by working with the US Hybrid team to incorporate their thoughts and expertise with the design work we have developed thus far.

*Date:* 11/13/11

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*Authorized Project Representative's Signature*

**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.*