

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

**Contract**

**Number:** 582-11-11145-3264

**Grantee:** The University of Texas at Austin

**Report for the** July 2011 **Date** August 8,  
**Monthly period:** July 2011 **Submitted:** 2011

**Section I. Accomplishments**

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

- Received approval on July 22, 2011 of contract amendment to include back-up supply of hydrogen gas at no increase in overall budget or schedule.
- Continued organizational setup with Gas Technology Institute (GTI) for hydrogen fueling station tasks.
- Oversaw Proterra Bus charger installation and operational checkout at Capital Metro facilities. (Photo of charger is included below.)
- Updated projections by Proterra are for a late-August 2011 delivery to Austin.
- Continued preparations for the Proterra bus delivery. Met with Proterra and Capital Metro personnel at both the Pickle Research Campus fueling site and Capital Metro facilities to work through daily operational logistics for charging, fueling, and maintenance.
- Assembled pre-service trials test plan to be performed upon delivery of Proterra bus.



**Figure 1. Proterra bus charger installed at Capital Metro facilities.**

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

- **Task 2.1:** The PERFORMING PARTY will contract with GTI to prepare hydrogen fueling station and increase hydrogen fuel capacity.
- **Task 2.3:** The PERFORMING PARTY will ensure that the Proterra bus, Capital Metro personnel, and support material are prepared for the demonstration.
- **Task 2.4.1:** The PERFORMING PARTY will complete pre-service trials to verify that the Proterra bus can satisfy route trip times and route range on the planned demonstration routes.

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

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

- a) None for this reporting period. CEM is currently tracking delivery of the Proterra bus and GTI subcontract setup through UT's Office of Sponsored Projects. CEM is aware that if any of these become issues they will have an impact on the program's schedule.

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

- a) N/A

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

- a) N/A

### **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*

- Complete organizational setup with GTI and begin hydrogen fueling station preparation. (Task 2.2)
- Complete preparations for bus demonstration. (Task 2.3)
- Begin general operation and maintenance training for Capital Metro personnel. (Task 2.4)
- Start pre-service trials with the Proterra bus to verify the bus can satisfy planned demonstration routes. (Task 2.4)

Date: August 8, 2011

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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.*