

**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 (UT-CEM)

Report for the Monthly period: November 2011 **Date Submitted:** December 9, 2011

Section I. Accomplishments

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

- Completed fabrication of external storage framework and support structure. Storage cylinders were shipped by Gas Technology Institute (GTI) to UT-CEM.
- Preparations and procurement for the hydrogen tube trailer back-up supply were finalized. The off-loading post fabrication was also completed. Expect delivery of the tube trail in mid-December 2011, with installation and setup completed at the first part of January 2012.
- Continued preparations for the Proterra bus delivery. Proterra is nearing completion of bus trial operations prior to delivery. Current projections are for a January 2012 delivery.
- Submitted no-cost amendment request to extend project expiration date to May 2013 and adjust schedule. This schedule change will allow for a full 12-month bus and hydrogen fuel station demonstration.

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

- Task 2.1.1: The PERFORMING PARTY will contract with GTI to prepare hydrogen fueling station and increase hydrogen fuel capacity.
- Task 2.1.2.5: The PERFORMING PARTY and GTI will provide a supply of backup hydrogen for bus refueling.
- Task 2.3: The PERFORMING PARTY will ensure that the Proterra bus, Capital Metro personnel, and support material are prepared for the demonstration.

Section II: Problems/Solutions

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

- a) No issues for November.

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

- a) No issues for November.

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

- a) Issues reported in the October monthly status report were addressed with the amendment request submitted this month.

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

- Continue fueling station upgrades and preparation with GTI. GTI personnel will be in Austin the week of December 12, 2011, to install external storage and plumb back-up hydrogen supply tube trailer. (Task 2.1)
- Complete/continue preparations for bus demonstration. (Task 2.3) (Bus is scheduled to arrive in Austin in January 2012.)

Date: 12/9/2011

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.*