

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

Contract Number: 582-11-11141-3264

Grantee: GRIDbot, LLC

Report for the Monthly period: 5/7/2012 – 6/4/2012 **Date Submitted:** 6/4/2012

Section I. Accomplishments

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

- In May 2012 the April 2012 monthly Progress Report and Financial Status Report were prepared and submitted.
- In May 2012 the Task 4 Deliverable Report was completed.
- The City of Houston (COH) continues to work on getting the entire fleet of cars assigned and dispatched for use. This includes assignment of drivers with insurance, assignment of parking fees, vehicle licensing and inspection, and application of city fleet identification decals. To date, twelve cars are still waiting to be assigned, so this is taking longer than anyone expected.
- Monthly data continues to be analyzed by the Houston Advanced Research Center (HARC), including compiling summary data on charging activity by station and by vehicle.
- Good Company continues to interact with COH staff to obtain information and feedback on the user experience.
- Information sharing and project coordination continues with representatives from COH, Good Company, HARC, GRIDbot, and the TCEQ to provide input on data collection and assessment.
- Staff continues to report any questions or issues with either the charging stations or the vehicles to Good Company. GRIDbot has followed up with solutions or answers on each occasion.
- Monthly Fleet Manager Reports continue to be produced by GRIDbot to report vehicle charging sessions, including length of time charging, electrical consumption.
- All parties have begun work on the Final Report.

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

- Task 1: Planning and Design – all activities under Task 1 have been completed.
- Task 2: Site Installation and Data Collection – all activities under Task 2 have been completed.
- Task 3: Interim Evaluation of Site - all activities under Task 3 have been completed.
- Task 4: Site installation and Data Collection of Site 2 – all activities under Task 4 have been completed.

- Task 5: Data Collection and Analysis – 2.5.1 project participants continue to monitor and collect data on the usage and performance of the charging stations and vehicles. GRIDbot is producing a downloadable report to the Fleet Management Department on a monthly basis.
- Reporting continues to meet the requirements under Task 6.

Section II: Problems/Solutions

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

- The COH Fleet Managements efforts to assign and dispatch the vehicles for use has taken longer than anyone expected. This includes assignment of drivers with insurance, assignment of parking fees, vehicle licensing and inspection, and application of city fleet identification decals.

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

- Review of all user information will be based on a smaller sampling, for the final report.

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

- We will use whatever information we have to complete the project, including lessons learned. While the sample size is smaller than we had anticipated, the data will be very valuable for future installations or fleet adoption of electric vehicles.

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

- GridBOT and Good Company will complete market and commercialization information for the final report.
- Data collection will continue on all vehicles, with final analysis completed for the final report, including analysis of vehicle charging, vehicle use and emissions modeling.
- Good Company will compile all documents and findings to complete the Final Report and submit final billing for the project.

Date: 6/4/2012

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.*