

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

Contract Number: 582-11-13471-2019
Grantee: Boulder Electric Vehicle, Inc. (BEV)
Report for the Monthly period: March 2012 **Date Submitted:** 4/10/2012

Section I. Accomplishments

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

- We have received the specialty end cap pieces used to seal off the honeycomb frame specifically for the service body and flat bed trucks.
- We have completed Federal Motor Vehicle Safety Standards testing of a new seat and seat belt which will have greater safety protection than mandated by the applicable regulatory body. This was in partnership with one of the best seating companies in the country. These seats and seat belts are now on order and are slated for the last build station of the vehicles.
- We have finally received all battery cells into the building and are starting to build the battery boxes.
- We have furthered our conversations with the three city government fleet management about the charge station install schedule.
- Tooling orders for upper body fiberglass plugs and molds and design validation for the larger UPS trucks is proceeding on schedule.
- All chargers have arrived and are being built into the high voltage cabinets.
- Our shelving supplier and our engineers finalized the designs of the shelving ribbing system for the first nine trucks and these should be into our plant during the month of April 2012.

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

- All of the above activities apply to Tasks 2, 3 and 4.

Section II: Problems/Solutions

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

- a) We think all fleets are behind schedule in the install of their charge stations. Depending on the delivery dates of the first vehicles this may or may not be a problem.
- b) Our secondary motor controller supplier who was scheduled to have five units to us in March 2012 is now saying that the first unit will be sometime in April 2012. This affects the drive shaft length and coupling and the electronic integration for the second set of nine trucks.

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

- a) We are sending one of our charge install people to live on the ground in Texas the entire month of May 2012. We are also accelerating the conversations with city councils needed to install the charge stations and working on written synopsis of the bailment agreements so that fleet managers rather than their lawyers can understand what we are all working to accomplish.
- b) We are planning on installing the motor and drive shaft later in the build process if this becomes an issue that will delay timing.

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

- a) Phone and e mail communication with the fleet partners is in process. Charge stations will arrive with our advance person so that they do not get “misplaced” in a random city receiving area.
- b) Alternative install timing has been thought out for the motor controller install.

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

- We hope to have the upper bodies on the first five trucks and be sending them out of the shop to the paint company in the month of April 2012. The second set of five are already out of station one and have their wheels onto them. We hope to have the next set of six service body and flatbed build out trucks onto station one and getting their axles on them. We hope to have definitive install times from all of our fleet partners for the charge station installs.
- UPS has scheduled an onsite visit with us in late April 2012.

Date: 4/10/2012

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.*