

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.	
Report for the Monthly period:	September 2011	Date Submitted: 10/8/2011

Section I. Accomplishments

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

- Received signed NTP from TCEQ project manager on September 6, 2011.
- Started ordering parts for the 18 test vehicles in early September with an emphasis on the long lead time items such as battery cells and custom made components.
- Ordering was performed in our inventory management system which has direct cross compatibility with our financial software.
- Part placement systems were implemented which allows computerized inventory control and location tracking of all parts received and stocked on the assembly stations.
- Three vehicle frames and one deck (a frame inside the composite sandwich) were built.
- A full time machinist, an additional fiberglass cutter, and two additional engineers were hired.
- Meetings were performed with several key suppliers.
- Data logging implementation was refined as well as revision control procedures for our data logging supplier.

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

- All of the above items are critical to the successful completion of Task 2

Section II: Problems/Solutions

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

- a) A key supplier of our motors and controllers has discontinued the motor controllers and is developing a CAN based unit which will not be ready for production until late 2012. This might cause a delay in the delivery time of trucks 10 thru 18. The delay might be up to two months. We do not anticipate this will result in delayed results in the final reports.

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

- a) A secondary supplier who might have a higher quality product was contacted, priced, and our chief designer flew to California for a day of meetings with them to better understand the possible challenges of implementation of their system. We also have 9 previously ordered motors and controllers on hand which will help us stay on track for the first 9 of 18 trucks.

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

- a) 3D CAD files were obtained so that the motors and controllers of the secondary supplier could be dropped into models of our trucks for fitting and the resulting implementation looks promising. In addition one of our early hires was previously production manager for this motor controller company so implementation will be further eased.

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

During this next month we hope to order more parts, complete Bills of Materials by subassembly station, build more decks, complete the bar coding inventory management process, and get one model of the newer motor controllers in house for electronic implementation.

Date: 10/10/2011

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.*