

**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: February 2012 **Date Submitted:** 3/10/2012

Section I. Accomplishments

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

- Parts are ordered up to 400 purchase orders.
- The first 10 trucks have their axles on them, and 5 of these are onto Station 2 and are on their wheels and tires.
- Station 1 bills of materials are verified and the process is becoming streamlined.
- Engineering for the deck alterations for the service body and flatbed build outs has been completed and deck drawings have been released for build.
- The engineering drawings of the additional sheet metal parts for the flat bed and service body trucks have been completed and are out for price bidding.
- The dash board sub wiring harnesses are completed for the first 10 trucks and the dashboards are being assembled with harnesses.
- Engineering for the UPS trucks is on schedule for June 2012 deliveries with axle modifications as well as fiberglass upper body designs completed.
- Various vendors have visited including seating and motor controller suppliers in order to better determine the fit and finish of specific parts.
- A new process was developed to “rhino-line” the top surface of the decks. This has been completed for the 6 FedEx trucks.
- We performed an onsite inspection of our shelving vendor and determined that they make a fine product which we will use.
- We have the Knapheide flat bed and service body build out parts determined and sent for pricing.

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

- All of the above accomplishments are related to 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) We are finding there is not enough room in our facility for the large fiberglass cab and upper body parts to be stocked

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

- a) We are exploring the installation of a manufacturing “mezzanine” where the materials can be stored and easily moved about the plant.

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

- a) We are starting to price out mezzanine possibilities as well as additional shelving racking for storage of battery components. A 40 foot long trailer was rented for outside storage of components and materials not needed on this grant.

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

- By the end of March we hope to have all of the parts ordered for the slightly larger UPS trucks.
- We plan to have the first five units of the new drive train in house for electronic integration.
- We plan to have 15 trucks on the 5 assembly lines 5 each in stations 1, 2 and 3.
- Station 4 will be battery pack install. They go out to be painted and back in for windshields and doors and lights and mirrors on Stations 5.
- We plan to have an on-site installation visit scheduled for the first week of April with a two person team in all 3 demonstration cities in Texas. This will be to verify install schedules for charge stations and address timing for driver training.

Date: 3/10/2012

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.*