

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

Contract Number: 582-11-13470-2019
Grantee: GE Transportation (GE)
Report for the Monthly period: September 1, 2012 – September 30, 2012 **Date Submitted:** October 10, 2012

Section I. Accomplishments

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

- Task 2.3.1.2. a & b: For the month of September, the development team completed the 900 revolutions per minute (rpm) rating development for the 6L250. We have also started matching the 1000 rpm configuration to our engine. A disclosure for the production mounting solution has been submitted to the GE patent lawyers for consideration and a second disclosure has been submitted for the fuel limit strategy.

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

Task 2.3.1.2. The performance development will be used to develop various ratings for each engine configuration. The developed ratings will include, but are not limited to the following: a) 6L250, 900RPM 2009hp, b) 6L250, 1000RPM, 2232hp, c) 6L250, 1050RPM, 2344hp.

Section II: Problems/Solutions

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

- a) The 1000rpm matching has proved more challenging than the 900rpm rating. In order to correctly match the desired performance, the team needed to swap components numerous times to get the right match from an engine performance optimization standpoint. The team has planned well in advance to anticipate this time consuming process.

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

- a) This is part of the normal matching process and all required hardware was available. Nothing else was considered nor encountered.

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

- a) None

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

- The goal for the succeeding period is to complete the 1000 rpm rating in early October 2012 and begin certification testing for the 900 & 1050 rpm assemblies in mid-October 2012. Plan to demonstrate United States Environmental Protection Agency (EPA) emissions compliance by November 16, 2012, at the latest.

Date: October 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.*