

July 20, 2010

**GREENHOUSE GAS EMISSIONS REDUCTION FUND
Quarter 3 2010 Progress Report**

1. Program Title:

New England College- Science Building

2. Program Type

- Energy efficiency related industrial process and control system (Item # 5).
- Programs to improve the electric and thermal energy efficiency of new and existing commercial buildings (Item # 8).

3. Summary of work completed during the reporting period April 1st through June 30, 2010

Task 1: *Install a 1,000,000 Btu/hr boiler at the Science building at New England College.*

- The manufacturing of the boiler building container and the assembly of the boiler system components continues. About 85% complete. It will be ready to ship to the customer in August



- The Site work for the boiler building and silo is complete.



- Silo and auger components are in stock waiting for delivery and assembly on site.
 - All components have been received by the boiler integrator.
- **Percentage of completion: 65%**

Task 2: *Set up a web portal through collaboration with New England College that will provide interested parties with pertinent energy data regarding this project.*

- Not much has been done on the web portal at this time.

Percentage of completion: 5%

4. **Summary of work to be completed during the reporting period July 1, 2010 through September 30, 2010**

Task 1: *Install a 1,000,000 Btu/hr boiler at the Science building at New England College.*

- Boiler and building will be delivered to the site and put in position
- Silo will be erected on site and the auger will be assembled
- Connections will be made to the boiler
- Start-up and commissioning of the boiler. Timing will depend on the weather. Need colder weather to run boiler for a length of time.

Task 2: *Set up a web portal through collaboration with New England College that will provide interested parties with pertinent energy data regarding this project.*

- The Propell Energy and New England College web portal will go Live and documentation of the beginning phases of the project.

5. **Work scope, schedule, responsibility (major milestones)**

- Order boiler and major components (week 1, Propell Engineering/ Purchasing) **Completed**
- Release enclosure to in-house production (week 6 Propell Engineering, Fabricating) **Completed**
- Foundation for silo and boiler enclosure (week 12, Propell Project Management, Concrete vendor) **Completed**
- Receive boiler and major components (week 12, Propell Fabricating) **Completed**
- Complete in-house boiler integration (week 15, Propell Engineering & Fabricating, Plumbing & Electrical subs.) **85% complete**
- Deliver boiler system to site (middle of August, Propell Project Management, Rigging sub.)
- Interconnect to building systems, start-up (August/September, Propell Project Management, Plumbing & Electrical subs Granite State Plumbing and Heating., New England College)
- Commissioning and training (September/October Propell Project Management, New England College)

6. Jobs Created

This project created the equivalent of four jobs for a period of four weeks through site preparation work, foundation work, building construction, plumbing, electrical work, and mechanical assembly, all in the state of New Hampshire.

7. Obstacles Encountered

There were some delays in the UL listing of the boiler control panel which has been resolved.

8. Beyond the Contract

As part of Task 2, Propell Energy will collaborate with New England College to create a web portal documenting the pellet boiler project. We are excited to work with the students at New England College to design and maintain this Website, and we hope that it will encourage other area schools and colleges to seek alternative energy heating systems and improve their energy efficient processes on campus.

New England College will allow access (at NEC's discretion) to pre-scheduled visitors interested in seeing the pellet boiler in operation.

Also as a result of this funding, Propell Energy is working in partnership with Granite State Plumbing on additional projects.

9. Promotional Materials

Not applicable at this time.

10. Budget vs. Actual Expenditures

Please see attached worksheet.