

Quarterly Technical Progress Report

Period of Performance: July 1 – September 30, 2000

Cofiring of Biomass at the University of North Dakota

Instrument No. DE-FG26-00NT40807

Prepared by: Darren D. Schmidt, Principal Investigator
Energy & Environmental Research Center
PO Box 9018
Grand Forks, ND 58202-9018

Prepared for: AAD Document Control
U.S. Department of Energy
National Energy Technology Laboratory
626 Cochrans Mill Road
PO Box 10940
Pittsburgh, PA 15236-0940

Summary

Project kickoff meetings were held this period. One meeting was held at the University of North Dakota (UND) for team members, and a second meeting was held at National Energy Technology Laboratory (NETL) as part of a kickoff for the Cofiring Program under the Department of Energy (DOE) Energy Efficiency and Renewable Energy (EERE) Office. The project is currently involved in the resource assessment task and is finding some promising fuels.

Accomplishments

- Team kickoff meeting at UND.
- Program kickoff meeting at NETL.
- Preliminary identification of various local biomass fuels.
- Site visit to evaluate beet pulp product from American Crystal Sugar.
- Site visit to Dahlgren Company to evaluate sunflower hull product.
- Hired student to assist in project.

Meetings

Kickoff UND

A meeting was held on September 19, 2000, at the EERC. Attendees included managers of UND facilities, plant managers of the boiler house, and EERC personnel. The agenda included introduction of the project, review of the statement of work, review of responsibilities, review of schedule and budget, establishment of contacts and immediate tasks, and a project risk assessment review. As a comment, the UND facilities department is delighted to be involved with this project. The project is structured in such a fashion that the best interests of UND and DOE can be achieved.

Kickoff NETL

A presentation of the project was made in Pittsburgh on October 24, 2000. The principal investigator, Darren Schmidt, presented. In attendance were all other awardees of the cofiring program, NETL, and DOE EERE.

Project Organization and Functions

NETL has awarded the EERC a grant to carry out a feasibility study for UND. UND and the North Dakota Division of Community Services (NDDCS) are providing project cost share in the form of in-kind and cash, respectively. The EERC will work with UND students, professors, and the university physical plant to carry out project objectives. The NETL project officer is Sean I. Plasynski, and the NETL contracts officer is Mary Beth Pearse.

Budget Report

Total Project	\$100,000	UND in-kind \$10,000
DOE Funding	\$ 80,000	
DCS Funding	<u>\$ 10,000</u>	
Funds Remaining as of 10/20/00	\$ 75,046	

Cost share is now in place from the NDDCS (\$10,000). UND has provided a budget to the EERC for its portion of the in-kind services (\$10,000).

Schedule

Project period is from 6/15/2000 until 6/14/2001. It is expected that the principal investigator will ask for a no-cost project extension through September 30, 2001, in order to more efficiently complete project tasks. This project has been paralleled with another award titled "Cofiring Biomass with Lignite Coal," since both projects are very similar. The milestone log has been modified to reflect the changes. Currently, this project is on schedule.