

Contract No. R002-007
**“Development of Economically Sustainable Distributed Power From
Biomass Gasification for North Dakota”**

Submitted by Energy & Environmental Research Center
Principal Investigators: Debra Pflughoeft-Hasset

PARTICIPANTS

Sponsor	Cost Share
Energy & Environmental Research Center	
Construction Engineering Research Laboratory	\$ 50,000
North Dakota Industrial Commission	<u>\$ 50,000</u>
Total Project Cost	\$100,000

Project Schedule – 12 months	Project Deliverables:
Contract Date – October 22, 2008	Report on results from Task 1 long-term biomass gasification demonstration
Start Date – October 1, 2008	Report on Task 2 results on individual testing for interested North Dakota parties
Completion Date – September 30, 2009	Status Report: December 31, 2008
	Status Report – March 31, 2009
	Status Report – June 30, 2009
	Final Report – September 30, 2009

OBJECTIVE/STATEMENT OF WORK:

The EERC will demonstrate biomass gasification in an effort to educate potential North Dakota users. The project will use an existing 50-kW gasification system in Grand Forks, North Dakota, and will demonstrate long-term operation of the system for heat and power at the existing facility and short-term testing of additional biomass fuels for interested parties. The project will make potential North Dakota gasification users aware of the environmental and economic benefits of installing and operating a gasification system to replace a portion or all their current energy consumption. The project will include long- and short-term demonstration tasks, development of educational materials, and reporting.

STATUS

Contract signed

June, 2009 - Unanticipated development issues have prevented completion of the scope of work as originally outlined. It has been mutually agreed that this project should be terminated.

06/24/09