



**INDUSTRIAL COMMISSION OF NORTH DAKOTA**  
**RENEWABLE ENERGY PROGRAM**

Governor  
**Jack Dalrymple**  
Attorney General  
**Wayne Stenehjem**  
Agriculture Commissioner  
**Doug Goehring**

**Memorandum**

TO: Renewable Energy Council  
FR: Andrea Holl Pfennig & Karlene Fine  
DT: April 15, 2011  
RE: North Dakota Feedstock Selection

R009-C: "Promoting Standardization of Combustion Characteristics for Biofuels" (EERC, PI – Carolyn Nyberg), is underway. The objective of the project is to establish appropriate test methods and Standard Reference Materials (SRMs) for the chemical characterization of biomass to assess combustion and fuel quality parameters.

We stipulated that at least 5 ND dominate feedstocks would be included in the study. Carolyn would like Council to give some feedback on which feedstocks are utilized. She is proposing the following:

1. Switchgrass (North Dakota)
2. Wheat straw (North Dakota)
3. Corn stover (North Dakota)
4. Flax straw (North Dakota)
5. Beet pulp (North Dakota/Minnesota)
6. Woody biomass (to be determined)

The Council previously discussed utilizing DDGs as a feedstock.

We would like the Council to take a few minutes at the April 18 conference call meeting to provide some direction from the Council as to the feedstocks that should be utilized in the study.

Andrea & Karlene