

Working Together to Solve Biomass Issues

- Joel Tallaksen
 - University of Minnesota Morris
 - West Central Research and Outreach Center

UNIVERSITY OF MINNESOTA

MORRIS

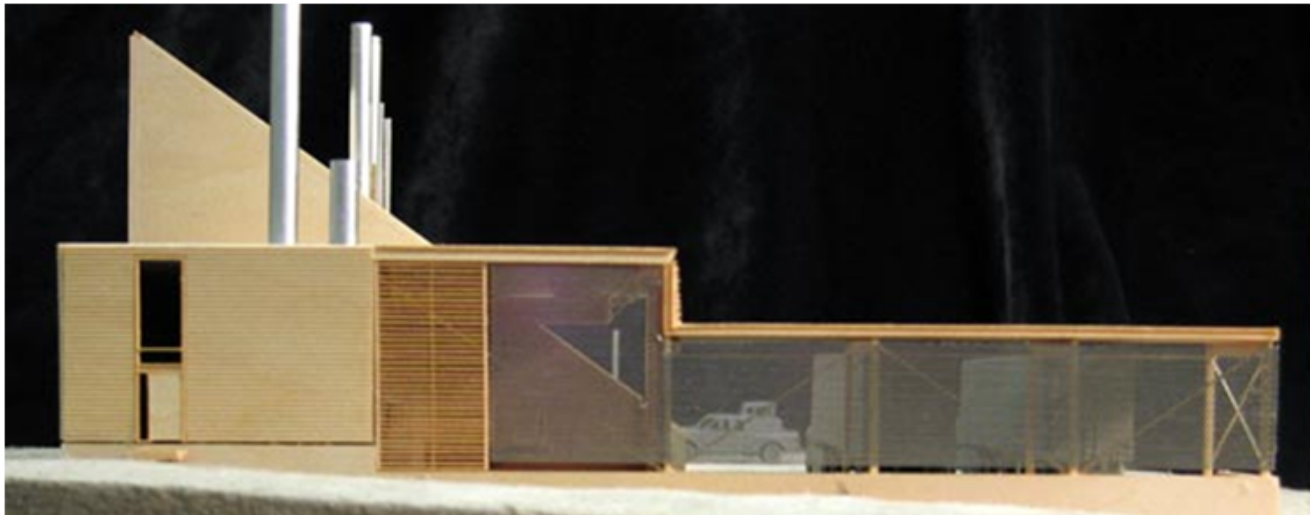



UNIVERSITY
OF MINNESOTA

Background

Renewable Energy Research And Demonstration Center
established in 2004

One of the core parts of the center was a Biomass
Gasification Facility



Goals of the Gasification Project



- Demonstrate Technology
 - Show that ag residues can be successfully used on a larger scale to provide energy.
- Find and Work Around Problems
 - Document the process of using gasification so that others could more easily plan and construct their own facility
- Heat Campus
 - 18 million btu/hr

Where are we now?



Basic research is in good shape.



How do we get the 100,000s of tons of Biomass from fields to the facilities that use it.

- -economically

- -sustainably

□ Now we need the 'Field to Facility' research.



Important to look at the practical details.

Important Points



- Cropping Systems that Maintain soil quality
- Developing Mechanical Systems
- Producing a good quality of Biomass.
- Maintaining an economically feasible model.

WCROC and Biomass.



Working to bring together parties that are interested in advancing the 'Field to Facility' research.

Collaborative research and development that makes sure we have a sustainable system that works for everyone.

Who Will Drive the Practical Research



- Farmers
- Crop/Soil Scientists
- Custom Baling Services
- Equipment Manufactures
- Haulers
- Biomass Consumers
- Financial Advisers
- And Many others!

Current Activities



- Stake holder meetings
- Steering committee to assess research needs
- Identifying sources of funding to meet those needs

Biomass Project Contacts

Mike Reese

Joel Tallaksen

West Central Research & Outreach Center
46352 State Hwy. 329
Morris, MN 56267
320-589-1711

UNIVERSITY OF MINNESOTA

MORRIS

