

Final Report

Submitted to the Iowa Energy Center

Bioenergy Technology Education Center (BTEC) Partner Summit (14-005-PG)

Project Duration: June 1, 2014 – August 31, 2014

BTEC Partner Summit – June 23-25, 2014

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BIOENERGY TECHNOLOGY EDUCATION CENTER (BTEC) OVERVIEW

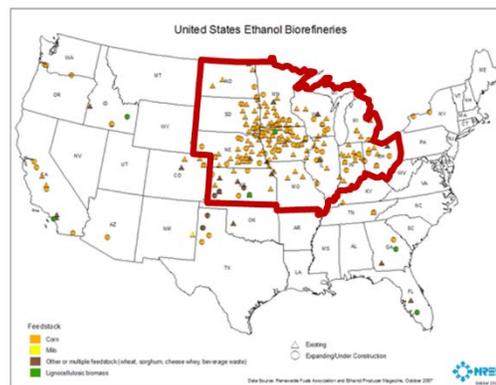
In March of 2013, Indian Hills Community College (IHCC) was awarded a National Science Foundation (NSF) Advanced Technology Education (ATE) grant designed to plan for the development of the “Bioenergy Technology Education Center” (BTEC). The main purpose of BTEC will be to develop a network of educational, industrial and workforce development partners throughout the upper-Midwest in order to provide education and training that supports the bioenergy industry.

The regional focus of BTEC will be the upper-Midwest that includes the 12 states identified in the map to the right. The technological area of focus will be defined as:

“Renewable energy that is produced from biologically-based feedstocks or processes.”

Given this definition, bioenergies that fall within the scope of BTEC would include, but would not be limited to:

- Bioethanol (from all feedstocks)
- Biodiesel (from all feedstocks and including advanced fuels such as JP-8)
- Biobutanol
- Methane/methanol (from anaerobic digesters or other biological process)
- Biomass (in its various and abundant forms)
- Biogas/Syngas (from all feedstocks)
- Biocrude oil (from all feedstocks)



BTEC PARTNER SUMMIT OVERVIEW

BTEC PARTNER SUMMIT MEETING

The BTEC Partner Summit took place on June 23-25, 2014 at the Honey Creek Resort State Park in Moravia, IA. There were a total of 25 attendees to the BTEC Partner Summit. They included representatives from community colleges, universities, other NSF Centers, workforce development, government, and industry. The purpose of the meeting was to create partnerships that will result in a successful proposal submission to the National Science Foundation’s Advanced Technological Education (ATE) program that will provide \$3,000,000 to help establish and support BTEC for 4 years. Indian Hills Community College in Ottumwa, IA would be the submitting and administrative organization for the grant. It is anticipated that around 50% of the grant (\$1.5 million) will stay in the state of Iowa.

COORDINATING PARTNERS

In addition to our financial partners, there were others who assisted with the Summit planning and with contacting and working with potential partners. These included the Advanced Technology Energy and Environment Center (ATEEC) at Eastern Iowa Community College and the Center for Biorenewable Chemicals (CBiRC) at Iowa State University. The surveys of both

industry and educational institutions were conducted by ATEEC and they presented the results of those surveys at the Summit. Dr. Peter Keeling at CBiRC was instrumental in using his extensive contacts with industry to get some of their representatives to attend the Summit.

FUNDING

The financial sponsors for the BTEC Partner Summit were the National Science Foundation (NSF) through their Advanced Technological Education (ATE) program (Planning grant). Supplemental funding through the Iowa Energy Center's Planning Grant program was also provided.

The Iowa Energy Center Planning Grant program provided \$5,000 toward the cost of holding the BTEC Partner Summit. Of the \$5,000 authorized, \$4,839.02 was spent on travel support to bring the partners together at the Summit. The following details the expenditures:

Regan Silvestri

Lorain County Community College (Elyria, OH): \$805.26 (airfare, car, gas)

Wijitha Nilaweera

Iowa Falls Community College (Iowa Falls, IA): \$183.68 (mileage)

James Powell

Ivy Tech Community College (South Bend, IN): \$515.20 (mileage)

Timothy Stanton

Chippewa Valley Technical College (Eau Claire, WI): \$436.80 (mileage)

Eilene Lyons

BioLink (NSF funded Center for biotechnology): \$287.84 (mileage)

Darcie Hoenig

Indian Hills Community College (Ottumwa, IA): \$44.80 (mileage)

Adam Gross

REG, Ames, IA: \$129.92 (mileage)

Peter Coomar

Monroe county Community College (Monroe, MI): \$778.42 (mileage and toll)

Pat Berntsen

IDEAS (Marion, IA): \$175.84 (mileage)

Sarah Hill

Stark State College (North Canton, OH): \$1,113.65 (airfare, car, gas, parking)

Alyse Vroegh

Indian Hills Community College (Ottumwa, IA): \$44.80 (mileage)

Al Javoroski

Mid-State Technical College (Wisconsin Rapids, WI): \$322.81 (mileage)

NEXT STEPS

We are currently working with each of the partners who attended to define their roles in BTEC and prepare for the grant submission on October 6, 2014.