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Hampton Feed Lot To Build State's First Anaerobic Digester

On September 1, 2010 more than 100 people gathered at the Hampton Feed Lot, near Triplet in Chariton County, to participate in a ribbon cutting ceremony to mark the development of the state of Missouri's first anaerobic digester.

A number of public officials attended and participated in the event, including 21st District State Senator Bill Stouffer, Chariton County Commissioners Tony McCollum, Leonard Gladbach, Ray Dowell, Chariton County Assessor Darrin Gladbach, City of Brunswick Mayor Joe Moser as well as representatives of the United States Department of Agriculture, the

Missouri Departments of Agriculture, Natural Resources and Economic Development, the Moberly Area Economic Development organization and Kansas City Power and Light Company.

The Hampton Feed Lot Board of Directors, including Dr. John Perry, president, Dale Vandiver, vice-president, James Daniels, secretary/treasurer, Bob Vandiver, member and Peggy Daniels, member, also attended as did Dr. Ki Fanning, representing Great Plains Livestock Consulting, Inc., and Katy Disinger representing United States Senator Claire McCaskill.

Missouri Enterprise, which support-

ed Hampton Feed Lot with permitting, feasibility studies and business plans, and continues to assist the company with project management services, was represented by Dusty Cruise, president, Jimmy Story, business program manager and Ken Reynolds, project manager.

Andigen, LC is the designer of the digester and Cartwright Engineers is providing engineering services for the project.

When the Hampton Feed Lot digester is in full operation, manure from the approximately 2500 head of cattle regularly housed at the feedlot will be collected and pumped into one of six large above ground tanks, where it will be heated to approximately 100 degrees Fahrenheit to accelerate the naturally occurring digestion process for waste decomposition.

This process will create methane gas, which will be captured, cleaned and burned in a specially modified diesel generator to produce up to 14,400 kilowatt hours of electricity per day.

For comparison, the typical household residence uses approximately 3000-4000 kilowatt hours per month.

Among the environmental benefits of the digester system are reduced solid waste, odor and pathogen content in the waste stream, improved waste water quality and the capture and use as fuel of a large amount of methane gas that would otherwise be released into the atmosphere.



Donna Shadron (left), president of Custom Cable Crafters explains one of the company's fiber optic cable products to the Honorable Jo Ann Emerson (R-8th Dist.) during a visit last month to the company's Perryville facility. Custom Cable Crafters products are used in electronic equipment and networks worldwide.

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AC Component Specialists, Inc. To Launch Eureka Growth Strategies Project

“Our company has been in business for 15 years. We have a great product line and a loyal customer base,” says Don Day, Sales Manager for AC Component Specialists of Marshfield. “But,” he says, “Our management team recognizes and is committed to finding new ways to help our company grow.”

That commitment to growth is the reason that the management team, consisting of Sales Manager Don Day, Plant Manager Linda Caldwell and Controller Lucy Chastain decided to undertake a Missouri Enterprise Eureka Winning Ways® growth strategies program.

“We are looking at this project as a way to unleash our team’s creativity and really address the issue of what we can do to increase our revenues today and into the future,” Mr. Day said.

AC Component Specialists is the only authorized North American sales and service center for Hitachi screw compressors that are used in air conditioning and refrigeration equipment for large industrial and commercial buildings in the United States, Canada and Mexico.

The company also provides its customers with additional products and services to support their compressor equipment.

The first phase of the company’s Eureka Winning Ways® Growth Strategies project will be a day-long idea engineering session facilitated by Missouri Enterprise certified Growth Coach Rick Prugh, during which the AC Component Specialists team will generate as many as 50 ideas for new products, product improvements, new customers/markets and new marketing/sales messages.

Next, the team will select 2-4 of what they feel are the best ideas which will be evaluated using Merwyn Research, a unique combination of

a sophisticated computer database and a team of experts. The resulting Merwyn scores will indicate the probability of success of each of the ideas submitted. At that point, the team will select 1-2 of the ideas that they wish to consider further and will appoint a staff member to spend up to 30 days further investigating the idea and developing an action plan for moving forward.

During this period, the Missouri Enterprise Growth Coach will continue to provide mentoring and support.

The company’s team will then meet again to evaluate the action plans and make a “go – no go” decision on the ideas.

Past Missouri Enterprise Eureka Winning Ways® Growth Strategies projects have resulted in significant top line revenue growth for clients. For example, a \$9 million western Missouri company added two products as a result of its Eureka Winning Ways® Growth Strategies project that added approximately \$750,000 annually to its sales.

For more information about Eureka Winning Ways® Growth Strategies successes, visit the Missouri Enterprise Web Site at www.missouri-enterprise.org (click on Manufacturing Successes and Testimonials) or call your Missouri Enterprise Area Business Manager at 888-956-2682.

Hampton Feed Lot Digester

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When complete and in full operation in early 2011, the Hampton Feed Lot anaerobic digester will create methane gas in tanks like the ones shown above and will burn it to produce up to 14,400 kilowatt hours of electricity per day. Located in Chariton County, Hampton Feed Lot regularly houses approximately 2500 head of cattle.

The digester’s eventual output of electricity will be purchased by Kansas City Power and Light Company when the project is complete in early 2011.

The project is being supported by

an 80 percent loan guaranteed loan from the United States Department of Agriculture and a \$450,000 grant award from the Missouri Department of Natural Resources.