

2016 RES-059

**AWARD OF CONTRACT AND AUTHORIZING AGREEMENTS FOR THE
NUTRIENT CONCENTRATION SYSTEM AT THE GL DAIRY BIOGAS
DIGESTER IN THE TOWN OF SPRINGFIELD**

The GL Dairy Biogas community digester in the Town of Springfield owned by Gundersen Health System converts cow manure from three dairy farms into valuable renewable electricity, reduces climate change emissions, and continues Dane County's partnership with the agricultural community by reducing phosphorus runoff to area lakes and streams.

The nutrient concentration system (NCS) proposed to be added to the digester project will treat the post-digester effluent resulting in clean water and concentrated liquid nutrients. The NCS effectively controls nearly 100% of the phosphorus from the dairy manure compared to 60% phosphorus removal from the current operating technology.

Additional phosphorus reductions from land-applied manure will enhance the County's efforts to further limit phosphorus runoff resulting in less algae growth and cleaner lakes and streams.

Dane County has been working collaboratively with GL Dairy Biogas, Dynamic Systems Management (digester operator), and the three participating family dairy farms in evaluating and selecting an NCS technology. AQUA Innovations, LLC was selected as the technology provider as a result of a Dane County Request for Proposals. Four successive County budgets have approved total funding of \$1.8 million for the evaluation and purchase of the technology.

This resolution awards the purchase contract and authorizes the County Executive and County Clerk to execute the necessary lease documents for the operation of the purchased equipment.

THEREFORE BE IT RESOLVED that AQUA INNOVATIONS, LLC be awarded the contract for the County's purchase and installation of the NCS equipment at a cost of \$1,650,000 and,

BE IT FURTHER RESOLVED that the County Executive and County Clerk are hereby authorized to sign the appropriate contract on behalf of Dane County and,

BE IT FURTHER RESOLVED that the County Executive and County Clerk are authorized to execute the documents to lease the NCS equipment to Springfield Clean Water, LLC and,

BE IT FINALLY RESOLVED that the County Executive and County Clerk are authorized to execute amendments to the County's existing agreements with GL Dairy Biogas, LLC allowing for the siting of the NCS equipment.