

GreenWhey Energy Biodigester

Turtle Lake

The GreenWhey Energy project is a greenfield development located in Turtle Lake, Wisconsin that processes food wastes from the dairy products facility and generates electricity and heat. High strength wastewater from area dairies is piped and trucked to the site where the feedstock is blended and fed into two 2 million gallon reinforced concrete anaerobic digesters that consume and break down the organic material and produce biogas. The biogas is treated and then supplied to two gas engine generators that generate 3.2 MW of electricity that is sold to Xcel Energy for distribution on their grid. The heat is captured from the engines and transferred back to the adjacent food processing facility.



Partners in the project included Symbiont – Science, Engineering and Construction, Miron Construction, and Ecolab. For more in-depth information on this project, [click here](#).

