



wooster, ohio

require sustainable wastemanagement solutions

- Location:**
1123 Old Columbus Road
Wooster, OH 44691
- Collaborator:**
City of Wooster
- Input Substrates:**
Organic biomass and
Wooster WWTP biosolids
- Production:**
Electricity
- Renewable Energy Generation:**
1 MW electricity
- Technology:**
Anaerobic Digestion
- Normal Digestion Time:**
28 days
- Annual Input:**
100,000 wet tons
- Tank Capacity:**
1.8 million gallons

quasar energy group (quasar) has entered into a long-term contract with the City of Wooster to retrofit, operate and monitor existing anaerobic digesters located at the Wooster Water Pollution Control Plant. Improvements include increased capacity to manage solids, new insulation, enhanced mixing technology, Nutrient Resource Recovery System, and installation of state-of-the-art supervisory control and data acquisition (SCADA) systems.

ECONOMIC DEVELOPMENT - The updated anaerobic digesters will be able to manage five times the throughput of the original system while meeting EPA regulations. The retrofit has allowed the City of Wooster to provide waste management solutions to businesses interested in relocating to the area. The treatment plant has also become a regional resource for managing septic material and sludge from surrounding communities.

HELPING COMMUNITIES - Municipalities today are facing the overwhelming economic challenge of updating wastewater treatment plant infrastructure installed in the 1960's and 70's. As a solution, these facilities have turned to **quasar** to retrofit, upgrade or construct new anaerobic digesters that meet the throughput demands of growing communities while generating excess energy that can be sold to the local utility or used to offset the treatment plant's operating costs. By contracting with **quasar**, municipalities are able to enhance system performance while mitigating costs.

WATER RESOURCE RECOVERY - The future of the water industry lies in its ability to derive value from natural resources embedded in the wastewater. Wastewater has historically been treated as waste when in fact it is a natural resource rich in water, nutrients, and energy.



energy



economy



environment

Sustainable technology solutions...