



energy economy environment

ECOFARMSYSTEM 825

quasar's F825:

Tank Capacity: 825,000 gallons

Incoming Biomass Storage: 3 days

Normal Digestion Time: 28 days

Inputs: organic waste

Annual Inputs: 29,656 wet tons

Renewable Energy Generated:

Electricity: 1MW

Valuable Byproducts:

21,000 yards³ per year sold regionally
as nutrient rich soil amendment

Environmental Benefits:

Reduced Greenhouse Gas Emissions

Nutrient Management

ZANESVILLE, OHIO



quasar's F825 system under construction in Zanesville, Ohio

quasar energy group, llc (quasar) is a Cleveland, Ohio based waste-to-energy company with a state of the art laboratory and engineering facility located on The Ohio State University's Ohio Agricultural Research and Development Center campus in Wooster, Ohio.

The Zanesville project uses proven, advanced anaerobic digestion technology to recycle energy from organic waste. Anaerobic digestion is a natural process where microorganisms break down organic waste materials (biomass) in the absence of oxygen. The technology has been commonly used on farms in Europe, with over 8,000 systems in operation today.

The Zanesville project achieved significant recognition in 2008 when it was awarded the nation's largest grant and guaranteed loan by the United States Department of Agriculture - Rural Energy for America Program.

Preserving Our Environment

Today, the most common methods for disposing of organic waste are landfilling and incineration. Both options pollute the air, soil, and water in surrounding communities without producing any beneficial products. **quasar** systems improve the regional environment by diverting organic waste from landfills and incinerators and processing it naturally to produce clean, renewable energy and nutrient rich soil amendments.

quasar's Zanesville system is fully permitted by the Ohio Environmental Protection Agency Division of Surface Water and the Division of Air Pollution Control and approved for installation by the Maysville Regional Water District.



renewable
ENERGY



for Ohio's
ECONOMY



and a cleaner
ENVIRONMENT
www.quasarenergygroup.com

Corporate Headquarters:
7624 Riverview Road
Cleveland, OH 44141

Laboratory & Engineering:
2705 Selby Road
Wooster, OH 44691

(216) 986-9999
www.quasarenergygroup.com

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