



# north ridgeville, ohio

require sustainable waste management solutions

**Location:**

2350 Abbe Road  
Sheffield Village, Ohio 44054  
Lorain County

**Technology:**

Biomass Anaerobic  
Digestion Power Facility

**Renewable Energy Generation:**

**Electricity:**

1 MW per hour

**CNG Fuel:**

1,800 gge per day

**Tank Capacity:**

980,000 gallons

**Normal Digestion Time:**

28 days

**Inputs:**

Organic Biomass

**Annual Inputs:**

42,000 wet tons

**quasar energy group (quasar)** has partnered with the French Creek Wastewater Treatment Plant and the city of North Ridgeville to construct a 1MW anaerobic digestion renewable energy facility. The French Creek digester will manage all of the sludge currently produced at the treatment plant and will offer regional businesses an alternative to landfilling their organic waste. The energy created will be distributed locally, providing enough electricity to power 618 homes and offsetting the need for traditional fossil fuels. In addition, operating costs will be reduced by controlling the treatment plant's energy costs and reducing sludge disposal expenses.

**qng™ Fuel:** The French Creek project will feature a **quasar qng™ (quasar natural gas)** fueling station capable of generating 1,800 gasoline gallon equivalent each day.

**quasar** is a Cleveland, Ohio, based waste-to-energy company that designs, builds, owns and operates anaerobic digestion renewable energy systems. The technology has been commonly used in Europe, with over 8,000 systems in operation today. Our complete mix systems process organic waste to produce clean, renewable energy and valuable byproducts. **quasar's** state-of-the-art laboratory and engineering facilities are located on the OSU-OARDC campus in Wooster, Ohio.

**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. The French Creek facility will divert 42,000 wet tons per year that would otherwise be sent to landfills or waste water plants, while producing clean, renewable energy that can be used for electricity, compressed natural gas (CNG) for fueling vehicles and pipeline quality natural gas.

*Sustainable technology solutions...*



energy



economy



environment