

Our Company

As a fast growing company in the emerging renewable energy industry, Phase 3 Renewables (PHASE 3) specializes in the development and commercialization of waste to renewable energy systems. PHASE 3 chooses to focus on farms first. The self sufficiency and flexibility of farmers, ever-rising energy costs and environmental concerns, along with a ready supply of raw materials, make the generation of renewable energy a practical and economically feasible solution for farm operations.

Whether you're looking to reduce odor and pathogens or generate energy or income, we can build a customized, complete turn-key system for your operation. We have the experience, capabilities, resources and products needed to make your project a success.

Our Client Focus

We stand apart in the industry by offering you a full scope of services and products. You can select the level of services and specific products to meet your individual needs.

Because each project has unique aspects and many alternatives, PHASE 3 has developed a proprietary decision-support software tool called PATHWAYS 2 PROFIT™. This tool integrates data from your specific site and other operating systems around the world to provide you the financial and operational perspective needed to make intelligent system choices.

Our Technology Focus

We feel strongly about the importance of investing time and resources in new technologies to make systems both less expensive to buy, build, and operate, and to provide optimum revenue options for your operation.



Phase 3 Renewables is a trade name of Phase 3 Developments & Investments, LLC.

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www.phase3renewables.com



PHASE 3
RENEWABLES



PHASE 3
RENEWABLES

*Intelligent Options for
Waste, Energy & Revenue*

**Electrical
Generation
Systems**

**Design, Equipment
& Installation**



3754 N Shore Dr. Akron, OH 44333

www.phase3renewables.com

*Contact us today to see how we can
turn your **by-product** into **energy!***

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Our Electrical Generation Systems

PHASE 3 has made converting biogas into electricity a viable option for your farm. PHASE 3 has partnered with Newkirk Electric, a premier design-build power generation company, to provide customized electrical generation systems for farms across the country.

PHASE 3 Electrical Generation Systems are tailored to the specific requirements of each individual farm. This site-specific design better integrates the utility, customer and service requirements for each unique application.

Each PHASE 3 Generation System has easy to service equipment built with USA manufactured parts. Highly reliable designs and equipment are the foundation for simple operation and maintenance over the long term.

PHASE 3 Electrical Generation Systems are also very flexible. Multiple forms of heat recovery are possible and can be utilized for heating, evaporation, drying or other needs.

Newkirk Electric has nearly 50 years of experience designing and building electrical infrastructure, and integrating power generation systems with the electrical grid.



Our Process

As a full-service provider of Electrical Generation Systems, PHASE 3 can assist you every step of the way.

- ◇ Identify your site-specific electricity potential
- ◇ Identify your electrical system requirements
- ◇ Develop system integration requirements for your current operation and those of your local utility company
- ◇ Calculate utility rates and payback for consumed/excess energy
- ◇ Provide technical and economic feasibility studies
- ◇ Assist in securing financing
- ◇ Provide detailed engineering of the equipment, distribution and process
- ◇ Construct and install the system, collaborating with the best equipment suppliers and local construction companies in the industry
- ◇ Coordinate and support the start up and commissioning of your system
- ◇ Provide on-site training
- ◇ Provide on-going maintenance and service support

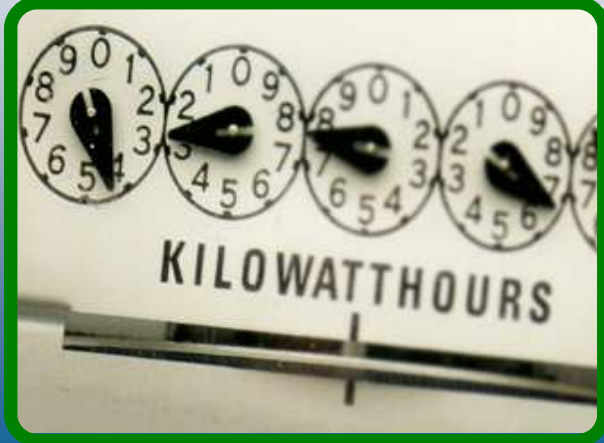
Our goal is your successful project!

Consider the Potential

Electricity can be generated for on-farm use, replacing purchased energy. Excess electricity can be sold to the local utility company.

POTENTIAL ENERGY PRODUCTION FROM 1000-COW DAIRY

		Replace Farm Only	100% ENERGY PROD TO ELECTRICAL
Electricity Production		22 days	22 days
Qty kWh per year		652,174	2,038,009
MMBTU in electricity	MM BTU	2,225	6,954
Farm only % of Total kWh			32%
Electrical Value per Year			
Cost savings on the farm		(\$58,696)	
Rev from sale of elec at this \$/kWh		\$0.0600	\$122,281
Rev per MMBTU's consumed (less OpEx)			\$5.05



PHASE 3 Intelligent Options for **Waste, Energy & Revenue**
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