

## FIBROWATT

### *About Fibrowatt*

- Fibrowatt LLC is a Pennsylvania-based developer, builder, owner and operator of electrical power plants fueled by poultry litter and other agricultural biomass. It was founded in 2000 by the management team that built the world's first three poultry litter-fueled power plants in the United Kingdom in the 1990s.
- The United Kingdom plants have converted more than seven million tons of poultry litter into more than four million megawatt-hours of electricity and 500,000 tons of ash fertilizer.
- Fibrowatt's subsidiary, Fibrominn, has built the United States' first poultry litter-fueled power plant in Minnesota, which opened in mid-2007.
- Fibrowatt is working to develop additional facilities in other states.

### *About biomass*

- Poultry litter is a type of biomass. Biomass is any organic matter that is available on a renewable or recurring basis, including animal waste and bedding, dedicated energy crops, agricultural by-products, crop residues, wood and wood wastes, and grasses.

### *Proven technology*

- Fibrowatt has 15 years of operating experience using a proven technology that supplies enough electricity from three plants in the United Kingdom to serve 150,000 homes. Fibrominn generates enough electricity to serve 40,000 homes.
- Through long-term contracts and spot market purchases, Fibrowatt obtains poultry litter from surrounding farms. The process begins with poultry house cleaning, then the poultry litter is transported in tightly covered trucks to a fuel storage building, where

it is kept at negative pressure to prevent the escape of odors. Inside the power plant, the furnace burns the litter at very high temperatures, heating water in a boiler to produce steam, which drives a turbine and generates electricity.

### *Benefits*

- Fibrowatt plants provide an outlet for poultry litter in regions that produce more litter than can be utilized for land application. This enhances the sustainability of the poultry industry, protecting poultry industry jobs.
- Fibrowatt's technology is a logistics solution that can eliminate the over-accumulation of local nutrients.
- Fibrowatt plants create renewable energy from locally abundant agricultural by-products, which displaces limited fossil fuels, is environmentally sustainable, and offsets additional carbon dioxide and other greenhouse gas emissions.
- Fibrowatt plants help promote proper fertilizer management, thereby eliminating the over-application of poultry litter as a fertilizer, which can degrade local water quality, release excess greenhouse gases, and result in offensive odors.
- Communities with Fibrowatt plants benefit from an average of several hundred construction jobs, 100 full-time jobs once operational (30 on-site jobs, 60 in litter transportation, and 10 at the ash fertilizer plant), and an economy boosted by increased local wages, spending, and tax revenues.

### *Contact*

- For more information, please contact Patty Dunn at 651/292-8062.