

FIBROMINN 55-MW BIOMASS POWER PLANT (PRIMARY FUEL: TURKEY LITTER)

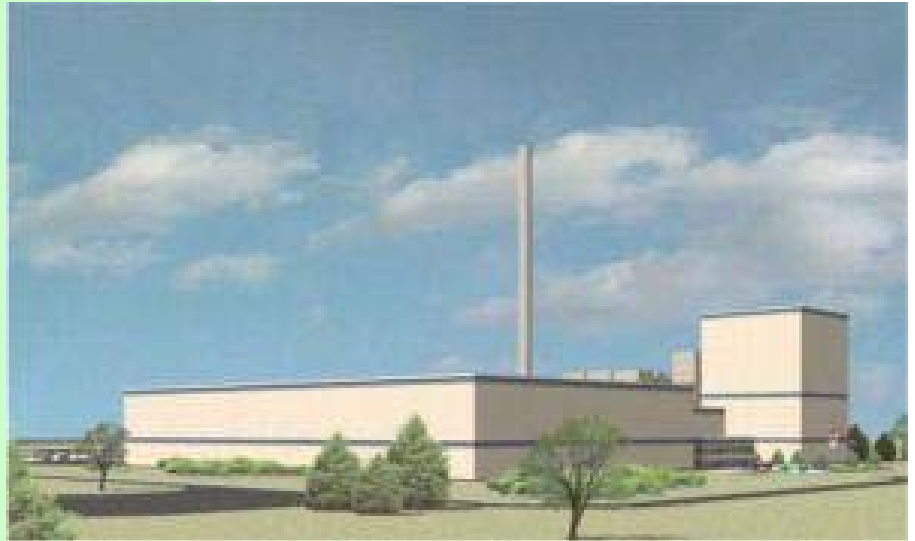
Benson, Swift County, Minnesota

CLIENT:

Fibrowatt, LLC

PROJECT FEATURES:

- Prepared the conceptual engineering design
- Supplied expert testimony to the Minnesota state legislature regarding poultry litter power projects
- Secured the complex air-quality permits, both state and federal, needed to construct and operate the power plant. **Milestone:** this is the first, large poultry-litter-fueled power plant to be permitted successfully in North America.



PROJECT REFERENCE:

Mr. Carl Strickler, P.E.
Vice President
Fibrowatt, LLC
Newtown Pavilion, Suite 201
6 Penns Trail
Newtown, PA 18940
(267) 352-0014 x100

ARI provided key consulting services to support the development of this landmark power project, the Fibrominn Biomass Power Plant. This will be the nation's first large power plant to be fueled with poultry litter. Located in the turkey-rearing area of west-central Minnesota, the Fibrominn power plant will be fueled principally with turkey litter, supplemented with other biomass fuels such as wood chips, alfalfa stems and corn stover. With environmental concerns mounting over the excessive land spreading of manures, the Fibrominn Plant will provide the local poultry industry with a reliable alternative for management of turkey litter.

ARI prepared testimony submitted to the Minnesota State legislature. Our testimony provided the technical basis for legislation – subsequently passed into law – ensuring that the project

receives a favorable “renewable energy” price for the electric power it produces.

ARI developed the conceptual engineering design for the plant, including preliminary mass and energy balances, emissions quantification, and emission control design. We also prepared the design-build procurement specification for the emissions controls and continuous emission monitors.

ARI prepared the comprehensive, State and Federal air-permit applications required for construction and operation of the plant. This entailed assessment of Best Available Control Technology (BACT), extensive air-quality impact modeling, a Compliance Assurance Monitoring (CAM) Plan, and negotiation of permit conditions with the permitting agencies. The permits that ARI has secured set the benchmark that all future plants nationally must follow.

Corporate Headquarters
1732 Main Street
Concord, MA 01742
Tel. (978) 371-2054
Fax (978) 371-7269



ARI

Alternative Resources, Inc.