



Ohio Biomass Energy Program

Newsletter – January 2000

2000 GREETINGS FROM THE OHIO BIOMASS ENERGY PROGRAM

Our New Website—Check It Out!

The Ohio Biomass Energy program invites you to visit our new website at the following address:

<http://www.puc.state.oh.us/ohioutil/bio/index.htm>

The site features the latest in biomass energy projects and applications in Ohio, in addition to information about the program, funding opportunities, Ohio's electric restructuring law, and links to other related sites.

Get On Our Electronic and Printed Mailing Lists

Send us your e-mail address and/or mailing address for occasional news and information.

Send to Bibhakar.Shakya@puc.state.oh.us or
Anne.Goodge@puc.state.oh.us, or by mail:
Ohio Biomass Energy Program, 180 E. Broad St.,
Columbus, Ohio 43215

Farm Animal Waste Study

The Midwest Energy Research Center of Findlay, Ohio is publishing the report "Turning Manure Into Gold: Converting Agricultural Waste to Energy." Copies will be available soon. Contact: Marnie M. Sullivan, 419/425-8860.

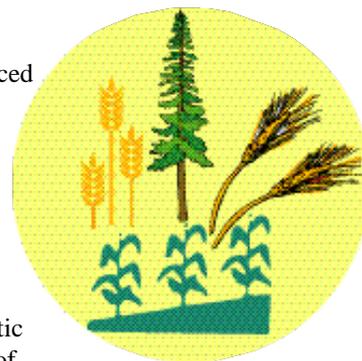
Ohio 2000 Ethanol Workshop

Stay in touch for details on a comprehensive workshop on ethanol for Ohio sponsored by The Department of Energy.

FEDERAL FUNDING OPPORTUNITIES (NOTE nearing deadlines)

DOE Issues \$4.3 Million Solicitation to Support Development of Bioenergy Industry

Secretary of Energy Bill Richardson recently announced a new initiative that will bring biomass energy and biomass-based chemicals a step closer to the marketplace. Bioenergy comes from natural sources such as corn, trees, crops, agricultural, forest and aquatic resources to make an array of commercial products, including fuels, electricity, chemicals, adhesives, lubricants and building materials.



"An integrated bioenergy industry will boost opportunities for American farmers, while enhancing our energy security and protecting the environment," said Secretary Richardson. "Consumers will have a broader selection of products for purchase, while helping the environment."

Projects for this solicitation will be selected in either of two phases.

The first phase would result in a laboratory-scale demonstration of the proposed technology. The second would advance the technology to prototype-scale hardware and include a detailed design for a pilot-scale facility. The awards will be cooperative agreements with a term of 12 months or longer. Between two and four individual awards are anticipated in each of the two phases. Responses are due March 7, 2000. There is a required minimum of 20 percent cost share by each participant. The Energy Department will provide \$4.3 million for the award program.

President Clinton's Executive Order 13134 on bio-based products and bioenergy issued last August was designed to stimulate development of a new bio-based industry. The President's goal of tripling U.S. use of bio-based products and bioenergy by the year 2010 could create billions of dollars in

new income for farmers and rural America. At the same time, it would reduce greenhouse gas emissions by tens of millions of tons of carbon equivalent.

Copies of the solicitation can be obtained from the Department of Energy's Golden Field Office home page at <http://www.eren.doe.gov/golden/solicitations.html>. For more information on the Bio-energy Initiative, visit the Web site at http://www.eren.doe.gov/bioenergy_initiative. For more info, contact Ruth Adams, DOE, at (303) 275-4722. Refer to Sol# DE-PS36-00GO10482.

Other Federal Register funding announcements:

<http://www.access.gpo.gov/nara/index.html>

Commerce Business Daily (CBD) announcements can be queried (under "simple search") on CBDNet:

<http://cbdnet.access.gpo.gov/>

1) **Million Solar Roofs**

The U.S. Department of Energy requests proposals for the Million Solar Roofs (MSR) Program for State and Local Partnerships. The goal of this solicitation is to assist State and Local Partnerships in contributing to the installation of one million solar energy systems (PV or solar thermal panels) on U.S. rooftops by the year 2010. This solicitation is open to new and existing MSR State and Local Partnerships who did not receive DOE funding in the FY99 MSR State and Local Partnerships solicitation or the FY99 State Energy Program Special Projects Solicitation. Cost share is not required but is encouraged. Approx. \$500K expected to be available, 10 - 25 awards anticipated. Award range \$10K - \$50K. Responses due 2/1/00. For more info, contact Ruth Adams, DOE, at ruth_adams@nrel.gov or go to <http://www.eren.doe.gov/golden/solicit.htm>. Refer to Sol# DE-PS36-00GO10496. (Federal Register 12/20/99)

2) **Carbon Sequestration**

The U.S. Department of Energy announces its interest in receiving applications for research on Carbon Sequestration in the Terrestrial Biosphere and the Oceans. Up to \$2M expected to be available. Proposals due 3/2/00. For more info, contact John Houghton, DOE, at (301) 903-8288 or go to <http://www.sc.doe.gov/production/grants/grants.html>. Refer to Program Notice 00-09. (Federal Register 12/30/99)

3) **Pollution Prevention**

The Environmental Protection Agency announces that they expect to have approx. \$5M available in FY00 for grants and cooperative agreements under the Pollution Prevention Incentives for States (PPIS) Program. The PPIS funds state and tribal programs that address the reduction or elimination of air, land, and water pollution and strengthens the efficiency and effectiveness of State technical assistance programs in providing source reduction information to businesses. Application due dates will be set by each EPA Region. For general information, contact Christopher Kent, EPA, at (202) 260-3480. (Federal Register 12/16/99)

4) **Mobile Source Outreach Assistance**

The Environmental Protection Agency requests proposals from state, local, multi-state and tribal air pollution control agencies for mobile sources-related public education and outreach projects. Proposals due 2/23/00. An "Intent to Apply Notice" is requested by 1/7/00 but is not required. Approx. \$550K available, coop. agreements NTE \$100K. 40% match required. For more info, contact Susan Bullard, EPA, at (202) 564-9856 or go to <http://www.epa.gov/oms/rfp.htm>. (Federal Register 12/16/99)

5) **Ultra-Clean Fuels**

The U.S. Department of Energy announces its intent to request proposals for the Ultra-Clean Transportation Fuels Program. DOE seeks R&D projects that will lead to the production of ultra-clean transportation fuels from fossil resources, alone or in combination with other hydrocarbon materials. \$10M - \$15M expected to be available between FY99 - FY05. Solicitation expected to open 1/14/00 and will be posted at: <http://www.netl.doe.gov/business>. For more info, contact David Hunter, DOE, at (412) 386-4872. Refer to Sol# DE-PS26-00FT40758. (Federal Register 12/28/99)

6) **Environmental Management**

The Environmental Protection Agency requests proposals for research in the area of market-based mechanisms and other incentives for environmental management (MM&I). The MM&I competition encourages research that will contribute to the development of practical, credible approaches for designing environmental programs that will meet the nation's environmental goals cost-effectively. Researchers from all behavioral, social, and economic sciences encouraged to apply. Approx. \$2M available. 10 awards ranging from \$50K - \$200K anticipated. Responses due 2/2/00. For more info, contact Matthew Clark, EPA at (202) 564-6842 or go to: <http://es.epa.gov/ncercq/rfa/market2000.html> (Federal Register 12/16/99)

7) **Black Liquor/Biomass Gasification**

The U.S. Department of Energy requests proposals for a program entitled: "Development and Demonstration of Black Liquor/Biomass Gasification in the Forest Products Industry." Approx. \$14M available in FY00, a total of \$100M planned for this solicitation through the course of the program. 50% cost share required. Proposals due 2/29/00 and 6/1/00. For more info, contact William Mundorf, DOE, at (412) 386-4483 or go to <http://www.NETL.doe.gov/business/solicit>. Refer to Sol# DE-PS26-00FT40772. (Federal Register 1/6/00)

8) **Bioscience**

The U.S. Department of Energy requests proposals for Energy Bioscience research funding. The objective of this R&D effort is to pursue basic biochemical, genetic and physiological investigations that may contribute towards providing alternate fuels, petroleum replacement products, energy conservation measures as well as other technologies. Preapps due 4/12/00, final apps due 6/13/00. For more info, contact Pat Snyder, DOE at (301) 903-2873. Refer to Program Notice 00-06. (Federal Register 12/15/99)

9) **Village Power Planning**

On behalf of the U.S. Department of Energy, the National Renewable Energy Laboratory (NREL) seeks industrial partners for the licensing and commercialization of a set of software optimization models for planning and designing distributed and off-grid power systems using combinations of renewable and conventional generation technologies. The set of software is called "Village Power Planning Modeling Software: HOMER and ViPOR." A simplified version of Homer can be downloaded at: <http://www.nrel.gov/international/tools/homer.html>. Responses due 1/31/00. For more info, contact Peter Lilienthal, NREL, at (303) 384-7444. (CBD 12/30/.org/about/jobs.html).

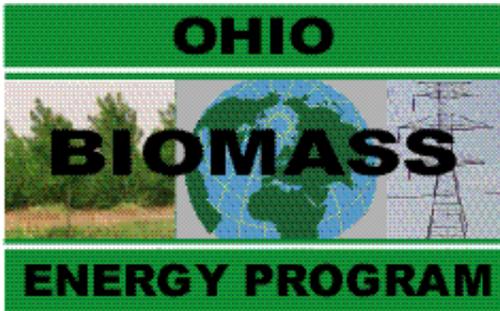
10) **Spatial Data**

The U.S. Geological Survey announces its intent to solicit applications for the National Spatial Data Infrastructure (NSDI) Cooperative Agreement Program. The purpose of the Program is to facilitate and foster partnerships, alliances and technology within and among various public and private entities to assist in building the NSDI. The NSDI consists of technologies, policies, organizations and people necessary to promote cost-effective production, ready availability, and greater utilization of high quality geospatial data among a variety of sectors, disciplines and communities. \$1M available. The solicitation is expected to open on or about 1/15/00 and close 3/15/00. It will be accessible at: <http://www.usgs.gov/contracts/index.html>. For more info, contact Kathleen Craig, U.S. Geological Survey, at (703) 648-7357. (Federal Register 1/4/00)

Promoting Bioenergy and Biobased Products

On January 21, 2000, The White House announced that the President's FY2001 budget proposal includes a new initiative in research and development in bio-based technologies, which convert crops, trees, and other "biomass" into a vast array of fuels and products. Biobased industries use agricultural, forest, and aquatic resources to make an array of commercial products including fuels, electricity, chemicals, adhesives, lubricants, and building materials.

The initiative provides an increase of more than \$93 million over the amounts available for FY 2000, with \$49 million directed towards the Department of Energy (DOE) and \$44 million for increased R&D efforts at the Department of Agriculture (USDA). In addition to this increase in R&D, the Commodity Credit Corporation will provide \$100 million in FY 2000 and up to \$150 million in FY 2001 and 2002 in incentive payments to encourage production of biobased fuels. (http://www.whitehouse.gov/WH/New/html/20000121_1.html)

OHIO
BIOMASS
ENERGY PROGRAM

Wood and Agricultural Residues
Biomass Energy Crops
Ethanol
Biodiesel
Landfill-Gas-to-Energy
Municipal Solid Waste