

John R. Kasich
Governor

For Immediate Release

April 6, 2011

Ohio Third Frontier Invests in Advanced Energy Sectors and Cincinnati Research and Development Project

Columbus – The Ohio Third Frontier is making another round of investments that will work to support Ohio's advanced energy industry. The Ohio Third Frontier Commission today recommended more than \$7.5 million in funding to eight companies through the Ohio Third Frontier's Fuel Cell, Advanced Energy, and Targeted Industry Attraction programs. The Commission also recommended a \$1.7 million funding commitment for a Research and Development Center in Cincinnati.

"The investments we make today will have a lasting impact on the economy of Ohio," said James A. Leftwich, Director of the Ohio Department of Development and Chair of the Ohio Third Frontier Commission. "Ohio must keep pressing for results that contribute to economic development."

The programs work to accelerate the development and growth of some of the state's most promising green technologies. The grants will benefit both the industry and its supply chain by providing direct financial support to organizations seeking to investigate near-term specific commercial objectives; commercialize new products; commercialize manufacturing processes/technologies, or adapt or modify existing components that can reduce the cost and improve the efficiency of fuel cell systems and other advanced energy technologies; address technical and commercialization barriers; or demonstrate market readiness.

Fiscal Year 2011 Ohio Third Frontier Fuel Cell Program Awards

American Trim, LLC (Allen County) will receive \$994,263, in collaboration with Ohio Northern University, The Ohio State University, and the Edison Materials Technology Center, for the project *Low-cost Manufacturing System for Fuel Cell Components*. The project is further developing low-cost manufacturing systems, utilizing high velocity metal forming technology to produce fuel cell components, including plates for heat exchangers.

Battelle Memorial Institute (Franklin County) will receive \$1 million, in collaboration with Energy Technologies Inc., UES, and Wright-Patterson Air Force Research Laboratory, for the project *Improving the Manufacturing Readiness of a Solid Oxide Fuel Cell Military Power Generator*. The project is further developing a more efficient, quiet, lightweight, compact power generator for the military.

Lockheed Martin MS2 (Summit County) will receive \$1 million, in collaboration with Technology Management, Inc., Catacel Corporation, Energy Technologies Inc., Gorman-Rupp Industries, Refractory Specialties Inc., and Core Technology, Inc., for the project *Military Solid Oxide Fuel Cell Genset Demonstration*. The project is further developing a fuel cell-based generator set critical for supplying electrical power for military missions and to soldiers in the field.

Fiscal Year 2011 Ohio Third Frontier Advanced Energy Program Awards

AFS Technology, LLC (Miami County) will receive \$150,000, in collaboration with Weldments, Inc., for the project *Tire Fuel Delivery System for Cement Kilns with Calciners*. The project is further developing a more environmentally safe system that allows modern precalciner cement kilns to burn

tires as a solid waste, supplemental fuel source for cement plants.

Calgon Carbon Corporation (Franklin County) will receive \$1.35 million, in collaboration with Case Western Reserve University, JME, Inc., Maxwell Technologies, and Novolyte Technologies, for the project *Development and Commercialization of Advanced Activated Carbons for Energy Storage Applications*. The project is further developing carbon products that will meet the requirements of the ultracapacitor energy storage industry and drive down the cost of ultracapacitor electrodes.

NANOTEK Instruments, Inc. (Montgomery County) will receive \$999,996, in collaboration with Angstrom Materials and Maxwell Technologies, for the project *Nano Graphene-Enabled Supercapacitors for Electric Vehicle, Renewable Energy, and Modern Grid Technology Applications*. The project is further developing nano graphene platelet materials to be used in electrodes for supercapacitors with potential applications in electric vehicles and energy storage solutions for the wind power, solar energy, and modern grid systems industries.

Polyflow LLC (Summit County) will receive \$1.6 million, in collaboration with Youngstown State University, the City of Stow, Defense and Energy Systems, PolyOne, and Chemstress Engineering, for the project *Semi-Works Demonstration of Polyflow's Waste to Fuels Processor*. The project is further developing a technology that will convert polymer waste streams intended for landfills and convert that waste into high-value petroleum products such as gasoline, diesel fuel, and virgin polymer feedstocks.

Fiscal Year 2011 Targeted Industry Attraction Grant Program

Plantic Technologies Limited (Summit County) will receive \$500,000 to locate a new manufacturing line to Akron. Plantic develops renewable and biodegradable polymers for sheet, film, injection molding, and blow molding. Plantic is expanding and refining the technology to meet the growing global needs for more environmentally and performance efficient plastics. Also, from the Ohio Department of Development, the company will receive a Job Creation Tax Credit for \$89,000.

Fiscal Year 2011 Ohio Third Frontier Research and Development Center Attraction Program

The Wornick Company (Hamilton County) will receive a \$1.7 million commitment to establish the Wornick Foods MATS Research and Development Center, located in Cincinnati that will support the commercialization of *Microwave Assisted Thermal Sterilization (MATS)* into food processing and packaging. Collaborators include The Ohio State University, the Center for Innovative Food Technology of Toledo, AmPac Packaging, and Nestle. The state grant is contingent upon the MATS Consortium, a nationwide collection of large-branded food companies, the U.S. Army, and food processing equipment suppliers, selecting Wornick as the exclusive owner/operator of the MATS Research and Development Center.

Ohio Third Frontier, an unprecedented and bipartisan commitment to create new technology-based products, companies, industries, and jobs, has attracted more than \$5.9 billion in other investments to Ohio, and has a nearly 9:1 return on investment since its inception. The Ohio Third Frontier has also assisted in the creation and retention of more than 68,000 direct and indirect jobs for Ohioans. For more information, visit ohiothirdfrontier.com.

*Working with partners across business, state and local governments, academia, and the nonprofit sector, the **Ohio Department of Development** works to attract, create, grow, and retain businesses through competitive incentives and targeted investments. Engaged every day in marketing, innovating, investing, and collaborating, the **Ohio Department of Development** works at the speed of business to accelerate and support the teamwork that is necessary for success by providing financial, informational, and technical assistance to those making an investment in Ohio's future.*

###

Media contacts: Katie Sabatino at (614) 466-6212
or the Communications and Marketing Office at (614) 466-2609

Office of Communications & Marketing • 77 South High Street • P.O. Box 1001 • Columbus, Ohio 43215 • U.S.A. • 614 | 466 2609

The State of Ohio is an Equal Opportunity Employer and Provider of ADA Services.