

# Economic Investments in Maryland



## Office of Building Technology, State and Community Programs (BTS)

BTS works with partners in the private and non-profit sectors and in state and local governments to make the nation's residential and commercial building stock more energy-efficient, comfortable, affordable, and sustainable.

The mission of DOE's Office of Energy Efficiency and Renewable Energy is to promote a strong economy, cleaner environment, and more secure future through the development and deployment of energy efficient and renewable energy technologies.

**BTS invested a total of \$35.0 million in Maryland in Fiscal Years 2001 and 2002**



The **Maryland Energy Administration** in Annapolis, through the State Energy Program (SEP), received \$694,000 in FY 2001 and \$808,000 in FY 2002 for a variety of activities including implementation of the State Energy Plan, improving State Building Energy Codes, and providing public education and awareness efforts (e.g., hotlines, publications, and training).

**Maryland State Energy Program**  
(millions of dollars)



**Aspen Systems of Rockville** received \$3,430,000 in FY 2002 to provide direct technical, and business support, as well as workshops and training for Rebuild America partners.

**D&R International of Silver Spring** received \$2,679,000 in FY 2002, to provide a variety of program support services including: technical and analytical support for the Building America, Rebuild America, Energy Star, and Weatherization programs; buildings data support; and, utility demonstration project support.



**Fusion Lighting, Inc. of Rockville** received \$1,500,000 in FY 2002, to continue development of the very high frequency, low power (less than 100 watts) sulfur lamp designed to replace the most commonly used types of fluorescent and incandescent lamps.



The **National Institute of Science and Technology (NIST) in Gaithersburg** received a total of \$510,000 in FY 2002 for a variety of activities in support of building efficiency, including:

- Research to develop, maintain, simplify, and improve test procedures for appliances;
- Engineering and economic analysis to establish the most cost effective standards for appliances and to ensure that products are properly certified and meet the standards;
- Support for assessments of the energy impact of various ventilation strategies; and,
- Fault detection and diagnostic research programs on commercial building controls and energy management technologies.



**Energetics, Inc. of Columbia** received \$420,000 in FY 2002, to provide program support for certification, monitoring, and labeling activities and to provide technical support to Rebuild America partners.



**Brookman King Associates of Baltimore** received \$300,000 in FY 2001 to provide support to conduct meetings, write and package information on energy efficient building technologies and programs, including codes and appliance standards.



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America's buildings — our homes, workplaces, and institutional buildings — consume roughly \$230 billion worth of energy each year. The average family spends about \$1,300 on home energy. Energy for buildings has environmental as well as economic implications: its production, distribution, and use affect our environment and health through the emission of carbon dioxide, sulfur dioxide and nitrogen oxides.



The **Weatherization Assistance Program**, through 17 local service providers (e.g., community action agencies) is working to increase energy efficiency and reduce the burden of energy costs to low-income Maryland residents, especially households with elderly members, individuals with disabilities, and families with children. In FY 2001, Federal funding combined with leveraged state and local resources resulted in the weatherization of approximately 497 homes. In FY 2002, Maryland was allocated \$2,685,405 in weatherization funding.

**Maryland Weatherization**  
(millions of dollars)



The **National Fenestration Rating Council of Silver Spring** received \$260,000 in FY 2002 to develop and implement a window rating program to comply with the Energy Policy Act and to support an education and awareness program to be coordinated with the Efficient Window Collaborative and Energy Star programs.



**Annapolis Housing Authority, City of Mount Rainier, Cumberland Housing Authority, HABC Energy Conservation Project, Hagerstown Housing Authority, Harbor Energy Initiative, Historic East Baltimore Community Action Coalition, Inc., Prince George's County, South East Development, Inc., and the University of Maryland at Baltimore** received technical assistance from the Rebuild America program valued at a combined total of \$200,000 in FY 2002. This program accelerates energy efficiency improvements in existing commercial, institutional and multifamily residential buildings through private-public partnerships created at the community level. It also assists with business planning, technical product development, marketing, workshops, and training for its partners.



As part of the Building America program, **Beazer Homes of Columbia** and **Ryan Homes of Frederick** received technical assistance valued at \$20,000 in FY 2002 through the Consortium for Advanced Residential Buildings (CARB) to support the planning and design of the Dearbought Community Project. The project is expected to cut costs to the builder (and home buyer) while reducing energy consumption by 40%. Building America is an industry-driven program helping to stimulate major changes in how residential buildings are designed, built, and delivered to the consumer. The program applies systems engineering in order to accelerate the adoption of building processes and technical innovations which result in energy efficient, environmentally sensitive, affordable, and adaptable residences on a community-wide scale.