

Economic Investments in Massachusetts



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 \$25.0 million in Massachusetts in Fiscal Years 2001 and 2002



The **Massachusetts Division of Energy Resources in Boston**, through the State Energy Program (SEP), received \$847,000 in FY 2001 and \$974,000 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).

Massachusetts State Energy Program
(millions of dollars)



As part of the Building America program, the **Building Science Consortium of Westford** received \$1.96 million and the **Hickory Consortium of West Wareham** received \$900,000 in FY 2002. Both groups provide research results used to design and construct thousands of energy efficient, environmentally friendly, and cost effective houses in communities throughout the U.S. 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.



Arthur D. Little in Cambridge received \$2.175 million in FY 2002 for the following services:

- Scientific and technical analysis to support program evaluation and planning;
- Market analysis and technology assessment focusing on high efficiency lighting, heat pump water heaters, and hotel air conditioners and heat pumps;
- Develop, maintain, simplify, and improve test procedures for appliances;
- Engineering and economic analysis to establish cost-effective standards for various appliances;
- Development of a procedure to ensure that products are properly certified and meet the appropriate standards;
- Impact analysis of new standards in the manufacturing sector; and
- Technical analysis and support for the Thermally Activated Heat Pump Program.



The **Massachusetts Division of Energy Resources in Boston**, received \$378,651 in FY 2001 from the SEP Special Projects Office of Codes and Standards to maintain the successful momentum of the current activities and extend efforts into new areas to more fully capture energy savings.



The **University of Massachusetts in Amherst** received \$240,000 in FY 2002 to support advanced thermal performance research.



Foster-Miller, Inc. of Waltham received \$150,000 in FY 2002 for baseline testing of display cases and analysis of alternative designs for energy savings food storage display cases.

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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 12 local service providers (e.g., community action agencies) is working to increase energy efficiency and reduce the burden of energy costs to low-income Massachusetts residents, especially households with elderly residents, 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 2,230 homes. In FY 2002, Massachusetts was allocated \$6,630,621 in weatherization funding.

Massachusetts Weatherization
(millions of dollars)



The **Center for Sustainable Buildings**, cities of **Medford** and **Newton**, **Massachusetts Electric Energy Efficient Schools**, **NESEA**, **Rebuild Boston Energy Initiative**, **Rebuild Springfield**, and the state of **Massachusetts** received technical assistance from the Rebuild America program valued at a combined total of \$160,000 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.



Lincoln Technical Services of **Sudbury** received \$67,000 in FY 2002 to support efforts to develop and market high efficiency lighting systems.



As part of the Building America program, **Dudley Neighbors, Inc.**, **Jamaica Plain CDC**, **Epoch Corporation**, **CWC/Thomas Construction** and **Oaktree** received technical assistance in FY 2002 through the Hickory Consortium valued at a combined total of \$60,000, that included planning and design support as well as a detailed series of recommendations for improving system performance, quality, comfort, and productivity. 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.