

Economic Investments in New Jersey



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 \$11.9 million in New Jersey in Fiscal Years 2001 and 2002



The New Jersey Board of Public Utilities, Division of Energy in Newark, through the State Energy Program (SEP), received \$1,088,000 in FY 2001 and \$1,253,000 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).

New Jersey State Energy Program
(millions of dollars)



Kathabar Inc. in New Brunswick received \$300,000 in FY 2000 for work in advanced desiccant technology. Kathabar will continue to laboratory test and evaluate a prototype liquid desiccant system.

Gallop Poll of Princeton received \$200,000 in FY 2001 to help evaluate BTS program effectiveness and stakeholder satisfaction.



Newark Housing Authority, Newark Public Schools, Piscataway School District, Rebuild Atlantic County, Rebuild Bergen County, Rebuild Camden County, Rebuild Hudson County, Rebuild Rahway Housing, Renaissance Station Condo Association, and the state of **New Jersey** 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 multi-family 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.



The New Jersey Board of Public Utilities, Division of Energy in Newark received \$52,912 in FY 2001 from the SEP Office of Codes and Standards for adoption of the 1995 MEC, ASHRAE/IESNA Standard 90.1-1999, and integration of the Public Service Electric and Gas Five Star Program into the Department's Balanced Housing Program.

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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 20 local service providers (e.g., community action agencies) is working to increase energy efficiency and reduce the burden of energy costs to low-income New Jersey 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 1,148 homes. In FY 2002, New Jersey was allocated \$5,166,645 in weatherization funding.

New Jersey Weatherization
(millions of dollars)



The **New Jersey Board of Public Utilities, Division of Energy in Newark**, through the SEP Office of Special Projects, was awarded \$50,000 in FY 2001 for a project involving the construction of a solar powered bed and breakfast on an urban brownfield site in Atlantic City, as part of an overall neighborhood redevelopment plan with a sustainability theme. The project will showcase the use of photovoltaics in supplying renewable energy and also contain sustainable features such as recycled building materials and Energy Star appliances, and will be located in the "Cityscape Neighborhood," an area designed to promote renewable energy, sustainable building materials, and concepts of New Urbanism.



AJD Builders of East Ampton received technical assistance from the Building America program valued at \$10,000 in FY 2002 that included planning, design support, and a detailed series of recommendations for improving system performance, quality, comfort, and productivity. Two homes of a planned buildout of 54 are under construction. 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.