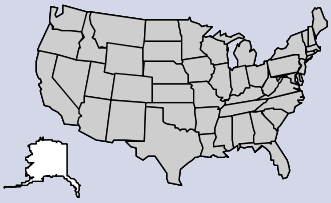
Economic Investments in Alaska



BTS invested a total of $3.5 million in Alaska in Fiscal Years 2001 and 2002

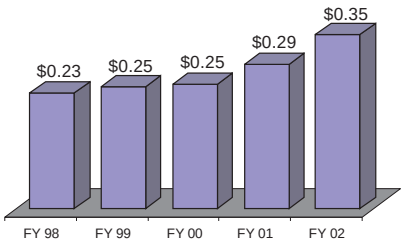
Office of Building Technology, State and Community Programs (BTS)

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.

The **Alaska Housing Finance Corporation (AHFC)** in **Anchorage**, through the State Energy Program (SEP) formula grant, received $292,000 in FY 2001 and $353,000 in FY 2002. Through SEP, AHFC works on a variety of activities including the delivery of extensive energy efficiency education to consumers, builders, and realtors. In FY 2001, lighting retrofit work at **Sheldon Jackson College** resulted in an estimated 140,000 kWh savings annually. AHFC initiated a community wide village retrofit project where electric baseload measures in entire communities were retrofitted. A combination of SEP, WAP and state funding was used to relamp entire villages. Up to 20% load reductions were recorded.

Alaska State Energy Program
(millions of dollars)



Chuathbaluk Traditional Council, Energy Efficiency in Education, Facilities Energy Efficiency Program, Re-Energize Sheldon Jackson College, and **Rural Alaskans Conserve Energy (RACE)** received technical assistance from the Rebuild America program valued at a combined total of $100,000 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.

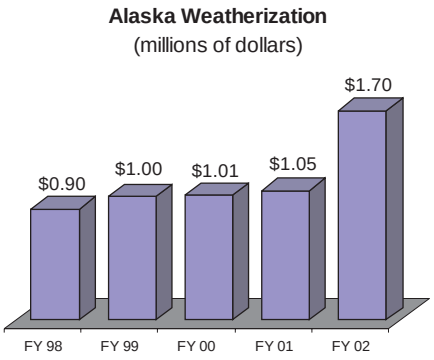
The **Alaska Energy Authority** in **Anchorage** received $50,000 in FY 2001 for a SEP Special Project in conjunction with Rebuild America involving energy audits and training at 75 facilities including public schools in 25 rural Alaskan communities. Audit results will be incorporated in a database that has been developed for project planning and development.

Economic Investments in Alaska

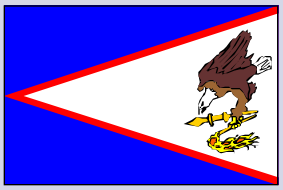
Office of Building Technology, State and Community Programs (BTS)

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 AHFC and local service providers (e.g., community action agencies) is working to increase energy efficiency and reduce the burden of energy costs to low-income Alaska 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 700 homes. In FY 2002, Alaska was awarded $1,700,925 in weatherization funding.

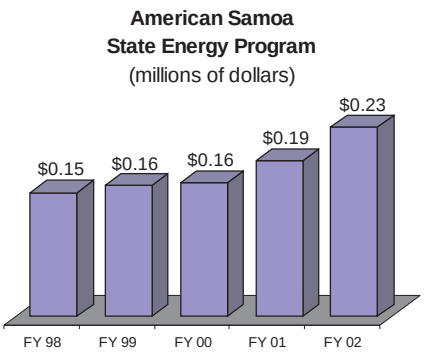


Economic Investments in American Samoa



BTS invested a total of $0.41 million in American Samoa in Fiscal Years 2001 and 2002

The **American Samoa Energy Office** in **Pago Pago,** through the State Energy Program (SEP), received $189,000 in FY 2001 and $230,000 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).



Aunu'u Island received $35,024 from the SEP Special Projects Office in FY 2001 for a study to determine the feasibility of using wind power to generate a significant portion of the electricity on Aunu'u Island.

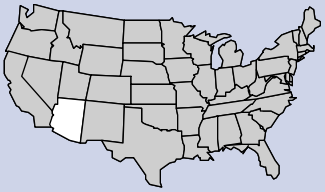
The city of **Pago Pago** received technical assistance from the Rebuild America program valued at $20,000 in FY 2002. This program accelerates energy efficiency improvements in existing commercial, institutional and multifamily residential buildings through private-public partnerships created at the community level. It also assists with business planning, technical product development, marketing, workshops, and training for its partners.

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.

Economic Investments in Arizona



BTS invested a total of $3.6 million in Arizona in Fiscal Years 2001 and 2002

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

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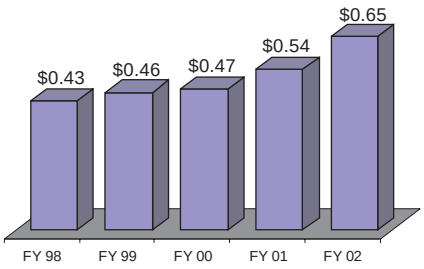
The **Arizona Department of Commerce Energy Office (AZDOC)** in **Phoenix,** through the State Energy Program (SEP) formula grant, received $537,000 in FY 2001 and $651,000 in FY 2002. Through SEP, AZDOC works on for a variety of activities including improving State Building Energy Codes, providing building audits, and implementing energy efficiency and renewable energy public education and awareness campaigns.



As part of the Building America program, the Industrialized Housing Partnership (IHP) provided technical assistance in FY 2002 valued at $340,000 to **Beazer Homes, Trend Homes, Hacienda Builders, Continental Homes,** and **Pulte Homes** in **Phoenix**, where 2,199 houses have been completed. IHP projects emphasize applied research and development with HUD code home manufacturers, Habitat for Humanity, and American Lung Association Affiliates.

The **AZDOC** in **Phoenix,** through the SEP Special Projects Office of Codes and Standards received $238,000 in FY 2000 and $100,000 in FY 2001 to conserve energy by successfully implementing the new International Energy Conservation Code and the locally-adopted Sustainable Energy Standard, where applicable.

Through the Building America program, the Building Science Consortium (BSC) provided **Pulte Homes Southwest Division** in **Tucson** with technical assistance in FY 2000 valued at $300,000 to create what one residential expert calls "the best production house in the world," which won the 2001 National Association of Home Builders' Energy Value Award. By using advanced insulation techniques, highly efficient equipment and windows, and right-sized heating and cooling systems, the homes use half the energy for heating and cooling at virtually no increase in construction costs. This whole building/systems engineering approach has been used by Pulte Homes in the planning and design of Arroyo Ridge (2 prototype houses), Retreat at the Bluffs (153 houses), and at 13 other locations in **Tucson,** where 635 houses of a planned buildout out 1250 are completed. In **Phoenix, Pulte Homes** has completed 300 of a planned 405 homes at four locations, and in **Chandler,** 607 houses have been completed at four additional locations. Since more insulation and efficient windows are used, the size of the heating and cooling equipment is reduced meaning no added cost to the builder, better value for the buyer, reduced electric load for the utility, and improved affordability.

Economic Investments in Arizona

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

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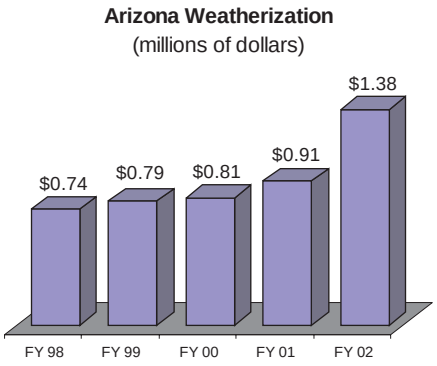
The **Weatherization Assistance Program,** through AZDOC and local service providers (e.g., community action agencies), is working to increase energy efficiency and reduce the burden of energy costs to low-income Arizona residents, especially households with elderly residents, individuals with disabilities, and families with children. In FY 2001, Federal funding combined with leveraged state and local resources resulted in the weatherization of approximately 794 homes. In FY 2002, Arizona was awarded $1,375,478 in weatherization funding.

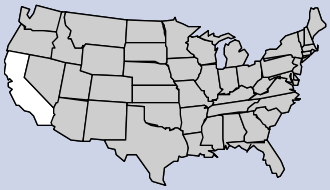


Havasupai Nation, Inter-Tribal Council of Arizona, Inc., Rebuild Arizona, Tolani Lake Elementary School Academy, and **Yavapai-Apache Nation** received technical assistance from the Rebuild America program valued at a combined total of $100,000 in FY 2002. This program accelerates energy efficiency improvements 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.

Through the Building America program, the Integrated Building and Construction Solutions (IBACOS) Consortium provided partners **RGC, Civano LLC, Contravest, TJ Bednar,** and **American Lung Association** with technical assistance in FY 2002 valued at $60,000 in building the **Civano Development** in **Tucson** where over 3400 homes are planned. The Consortium for Advanced Residential Buildings (CARB) provided **Del Webb Corporation's Sun City Grand Community** in **Surprise** technical assistance in FY 2002 valued at $10,000. 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.

The Building America program helped **John Wesley Miller Companies** in FY 2000 to evaluate the performance of 99 single-family homes equipped with cutting-edge solar technologies that provide electricity, hot water, and heating. This solar subdivision known as Armory Park del Sol in historic downtown **Tucson** features historic looking homes with modern amenities that provide energy savings of up to 40% while generating hot water and electricity from solar panels.

Economic Investments in California



BTS invested a total of $47.4 million in California in Fiscal Years 2001 and 2002

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

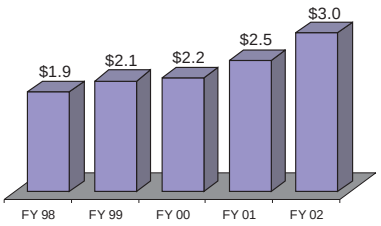
BTS works with partners in the private and non-profit sectors and in state and local governments to make the nation's residential and commercial building stock more energy-efficient, comfortable, affordable, and sustainable.

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.

STATE ENERGY PROGRAM

The **California Energy Commission (CEC)** in **Sacramento,** through the State Energy Program (SEP), received $2,496,000 in FY 2001 and $3,024,000 in FY 2002. Through SEP, the CEC works on a variety of activities including energy audits and low interest loan assistance to schools, and the delivery of extensive energy efficiency education to consumers.

California State Energy Program
(millions of dollars)



RESEARCH & DEVELOPMENT

Lawrence Berkeley Laboratory (LBL) in **Berkeley** received a combined total of $23.6 million in FYs 2001 and 2002 to support building efficiency. LBL provides many services including:

- Research on ventilation systems and improved indoor environments, advanced light sources and lighting impacts, gas-filled insulating panels, and high performance window glazings;
- Test procedures for appliances;
- Technical assistance on microclimate research, i.e., mitigation of cooling energy use through light surfaces and vegetation;
- Design options analysis to show the economic justification and technical feasibility of proposed standards for office equipment, lighting, and small motors;
- Development and testing of higher efficiency fan power systems for commercial buildings;
- Development of computer-based tools for building designers to provide detailed information on the energy performance of their designs; and
- Development of effective approaches to education, training, and support in the transfer of advanced energy-efficient building technologies and practices.

RESEARCH & DEVELOPMENT

The **Advanced Refrigeration Technical Institute (ARTI)** in **San Jose** received $1.7 million in FY 2001 and $800,000 in FY 2002 to support research work on refrigerant lubricants and materials compatibility in addition to $400,000 for a competitively awarded cooling R&D solicitation.

Rebuild America

The cities of **Davis, Los Angeles, Palo Alto, Richmond, San Diego, San Francisco, San Jose,** and **Santa Monica,** along with 22 other community partners received technical assistance from the Rebuild America program valued at a combined total of $600,000 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.

RESEARCH & DEVELOPMENT

Translight, LLC of **Pleasanton**, received $430,000 in FY 2001 for Advanced Lightguides for Daylight and Electric Light Distribution.

Economic Investments in California

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

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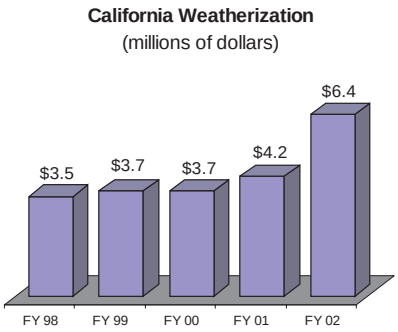
The **Weatherization Assistance Program,** through the California Department of Community Services & Development and local service providers (e.g., community action agencies) is working to increase energy efficiency and reduce the burden of energy costs to low-income California residents, especially 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 3,439 homes. In FY 2002, California was awarded $6,374,011 in weatherization funding.



California State University in **Fullerton** received $400,000 in FY 2001 and $200,000 in FY 2002 to support research on advanced housing systems.

Through the SEP Special Projects Office of Codes and Standards, the **California Energy Commission** in **Sacramento** received funding of $400,000 in FY 2001 to continue the training efforts and accomplishments from the prior years.

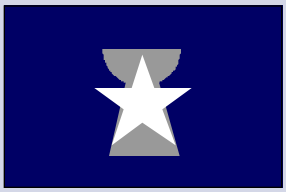
Abratech, Inc. of **Sausalito** received $235,000 in FY 2002 for a Field Demonstration of Scotopic Lighting Effects and $183,000 in FY 2001 for Student Visual Acuity Research.

Southern California Edison in **Torrance** received $300,000 in FYs 1999 and 2000 to support supermarket refrigeration research, and $100,000 in FY 2000 for GAX Heat Pump technology transfer work with the gas industry and major manufacturers of HVAC equipment, and to assist Robur and Rocky Research of Nevada in developing a service infrastructure for monitoring.

The Deringer Group of **Berkeley** received $200,000 in FY 2002 to develop internet-based Green Building training to provide entry-level training to building managers, decision makers, educators and students.

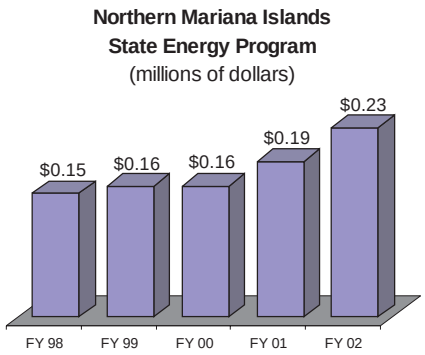
As part of the Building America program, **Playa Vista Development Corp.** of **Los Angeles,** and **RGC** of **Newport Beach, Irvine** and **San Diego** with over 13,000 houses planned, received technical assistance in FY 2002 valued at $80,000 through the Integrated Building Construction Solutions (IBACOS) Consortium. **Beazer Homes** of **Simi Valley** and **Sacramento** received technical assistance in FY 2002 valued at $60,000 through the Consortium for Advanced Residential Buildings (CARB). **Beazer** has completed 829 homes of a planned buildout of 2000. **Braemar Urban Ventures** of **Sylmar, Kaufman & Broad** of **Fort Ord** and **Investec** of **San Luis Obispo** received technical assistance valued at $30,000 in FY 2002 through the Building Science Consortium (BSC). 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.

Economic Investments in Northern Mariana Islands



BTS invested a total of $0.4 million in Northern Mariana Islands in Fiscal Years 2001 and 2002

The **Northern Mariana Islands Energy Office** in **Saipan,** through the State Energy Program (SEP), received $188,000 in FY 2001 and $229,000 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).



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

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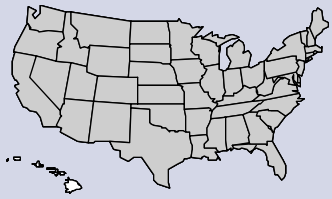
The mission of DOE's Office of Energy Efficiency and Renewable Energy is to promote a strong economy, cleaner environment, and more secure future through the development and deployment of energy efficient and renewable energy technologies.

Economic Investments in Hawaii



BTS invested a total of $0.9 million in Hawaii in Fiscal Years 2001 and 2002

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

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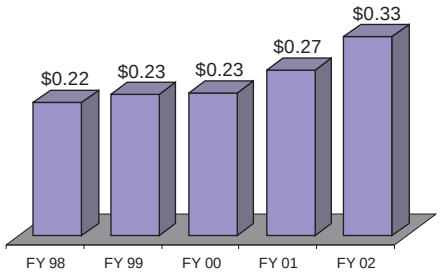
The **Hawaii Department of Business, Economic Development, and Tourism (DBEDT)–Energy, Resources, and Technology Division** in **Honolulu,** through the State Energy Program (SEP) formula grant, received $271,000 in FY 2001 and $326,000 in FY 2002. Through SEP, DBEDT works on a variety of activities, including improving State Building Energy Codes and implementing energy efficiency and renewable energy public education and awareness campaigns.



The city and county of **Honolulu, Hawaii Community Colleges, Hawaii State Public Library System, Hawaiian Electric Company, Inc., Housing & Community Development Corp. of Hawaii, Maui Community College, Rebuild Hawaii County, Rebuild Hawaii Schools, Rebuild Hawaii State, Rebuild Kauai, Rebuild Maui County, The Gas Company/Kauai Electric Co.-EnergyWise,** and **University of Hawaii-School of Architecture** received technical assistance from the Rebuild America program valued at a combined total of $260,000 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 **DBEDT** in **Honolulu** received $190,000 in FY 2000 from SEP Special Projects Office of Codes and Standards to conduct research necessary to lead the way in improving building efficiency by bringing superior technologies to the forefront.

Economic Investments in Hawaii

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

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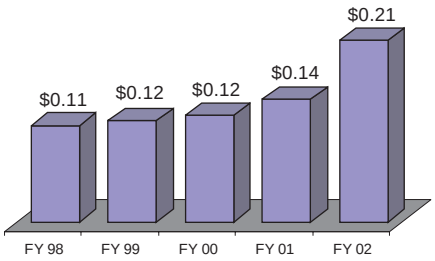
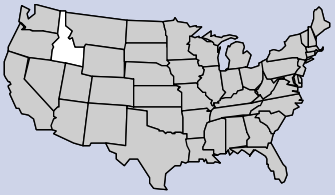
The **Weatherization Assistance Program,** through the Hawaii Office of Community Services and local service providers (e.g., community action agencies), is working to increase energy efficiency and reduce the burden of energy costs to low-income Hawaii residents, especially households with elderly residents, 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 111 homes. In FY 2002, Hawaii was awarded $206,257 in weatherization funding.

Hawaii Weatherization
(millions of dollars)



Economic Investments in Idaho



BTS invested a total of $4.0 million in Idaho in Fiscal Years 2001 and 2002

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

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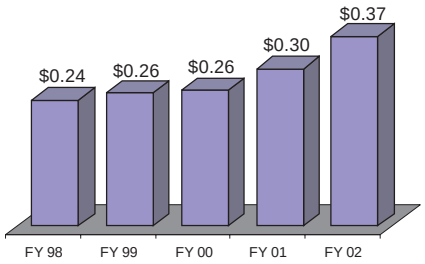
The **Idaho Department of Water Resources (IDWR)** in **Boise,** through the State Energy Program (SEP) formula grant, received $303,000 in FY 2001 and $366,000 in FY 2002. Through SEP, IDWR works on a variety of activities, including energy efficient irrigation methods, public information campaigns, and energy code support.



The cities of **Caldwell, Eagle, Garden City,** and **Nampa,** along with 22 other community partners received technical assistance from the Rebuild America program valued at a combined total of $520,000 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.

IDWR in **Boise,** through the SEP Office of Codes and Standards, received $50,000 in FY 2001 where the **Division of Building Safety** takes over lead responsibility for energy code activities in Idaho which includes hiring and training Energy Specialists to implement energy codes and develop a strategy for code compliance.

As part of the Building America program, **Grossman Family Properties** received technical assistance in FY 2002 valued at $10,000 through the Building Science Consortium (BSC) to support the planning and design of the **Hidden Springs** project in **Boise.** One hundred and thirty four houses have been completed in this potential community of 900 houses. 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.

Economic Investments in Idaho

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

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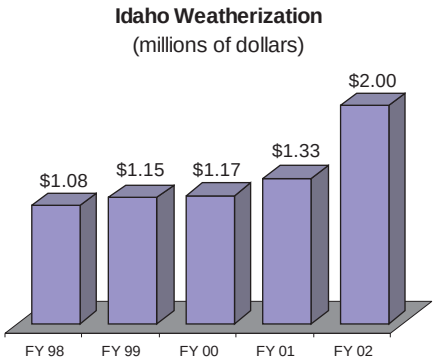
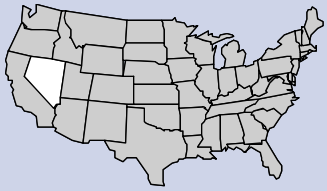
The **Weatherization Assistance Program,** through the Idaho Department of Health & Welfare and local service providers (e.g., community action agencies) is working to increase energy efficiency and reduce the burden of energy costs to low-income Idaho residents, especially households with elderly residents, 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 1,487 homes. In FY 2002, Idaho was awarded $1,997,798 in weatherization funding.



Economic Investments in Nevada



BTS invested a total of $3.9 million in Nevada in Fiscal Years 2001 and 2002

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

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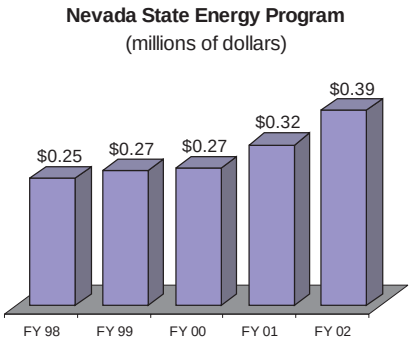
STATE ENERGY PROGRAM

The **Nevada Office of Energy** in **Carson City,** through the State Energy Program (SEP) formula grant, received $321,000 in FY 2001 and $394,000 in FY 2002 for a variety of activities including implementation of the State Energy Plan, improving State Building Energy Codes, and implementing public education and awareness efforts.



RESEARCH & DEVELOPMENT

The University of Nevada in **Reno** received $1,801,574 in FY 2001 as Grant Program Support of the Energy Efficiency Science Initiative. Funding is for the installation and checkout of the 25 kW dish system at the University of Nevada, part of the Adaptive Full-Spectrum Solar Energy Systems.

RESEARCH & DEVELOPMENT

Rocky Research, Inc. in **Bolder City** received $675,000 in FY 2000 in cost-shared funding with the gas industry to begin the design and scale-up of residential GAX heat pump technology to light commercial gas chillers and heat pumps. Rocky also received $175,000 to continue heat exchanger development for the Hi-Cool heat pump and assist in developing a Sealed Module and critical components for absorption heat pumps and chillers. The goal is to bring the technology out of the laboratory and into a manufacturing facility for development and testing of prototype units.

Rebuild America

Rebuild Clark County, Rebuild Henderson, Rebuild Nevada, Rebuild Pershing Schools, and **Rebuild Reno,** along with 17 other community partners received technical assistance from the Rebuild America program valued at a combined total of $440,000 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.

CODES & STANDARDS

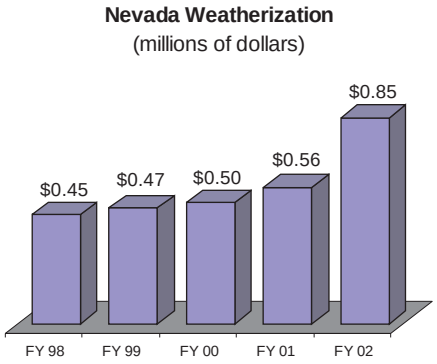
The **Nevada Office of Energy** in **Carson City** received $153,434 in FY 2000 from the SEP Special Projects Office of Codes and Standards to assess the rate of code compliance with the MEC in jurisdictions that have adopted the code and to increase energy code enforcement through education in the jurisdictions that have adopted a version of the MEC.

Economic Investments in Nevada

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

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.

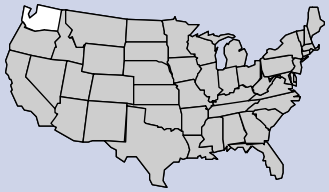
The **Weatherization Assistance Program,** through the Nevada Housing Division and local service providers (e.g., community action agencies) is working to increase energy efficiency and reduce the burden of energy costs to low-income Nevada residents, especially households with elderly residents, individuals with disabilities, and families with children. In FY 2001, Federal funding combined with leveraged state and local resources resulted in the weatherization of approximately 218 homes. In FY 2002, Nevada was awarded $845,342 in weatherization funding.



Collier Corporation in **Reno** received $100,000 in FY 2000 for work in advanced desiccant technologies which have potential to lower cooling energy costs and improve indoor air quality.

As part of the Building America program, **Pulte Home Corporation** received technical assistance valued at $110,000 in FY 2002 through the Building Science Consortium to support the planning and design of the **Angel Park, Arbor View, Cottonwood Terrace, Crown Ridge, Cypress Pointe, Eden Ridge, Stallion Mountain, Sienna Vista, Breamoor Heights, Cortina Hills,** and **Country Gardens** in **Las Vegas,** where 1017 homes of a planned buildout of 1605 are completed. 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.

Economic Investments in Washington



BTS invested a total of $25.1 million in Washington in Fiscal Years 2001 and 2002

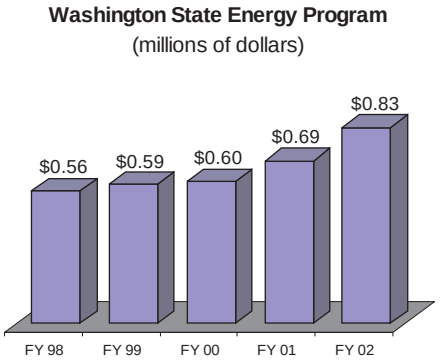
Office of Building Technology, State and Community Programs (BTS)

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.

STATE ENERGY PROGRAM

The **Washington State Office of Trade and Economic Development (OTED)** in **Olympia,** through the State Energy Program (SEP) formula grant, received $689,000 in FY 2001 and $830,000 in FY 2002. Through SEP, OTED works on a number of activities including providing support for the State Energy Library, organizing and hosting energy efficiency conferences, and implementing public building efficiency measures.



RESEARCH & DEVELOPMENT

Pacific Northwest Laboratory (PNL) in **Richland** received a combined total of $15.4 million in FYs 2001 and 2002 to support a variety of building efficiency projects and programs. For example, PNL:

- Assists states in their efforts to update and improve building codes and standards;
- Conducts research on improving the efficiency of manufactured houses;
- Develops whole-building diagnostic systems;
- Provides marketing and information management support;
- Assists efforts to improve the energy efficiency of affordable housing units; and,
- Provides technical support for the Rebuild America Program.

Rebuild America

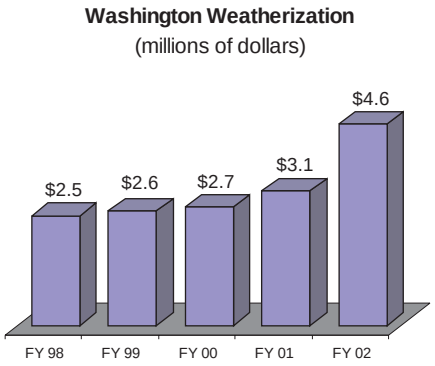
Affiliated Tribes of Northwest Indians, Avista Utilities, City of Richland, Clark Public Utilities, Climate Solutions, Northwest Energy Efficiency Council, Rebuild REMI, Seattle City Light, Spokane Neighborhood Action Program, Tacoma Housing Authority, Thurston County Fire District #4, Town of Rainier, Washington Department of General Administration, and **Washington State University** received technical assistance from the Rebuild America program valued at a combined total of $280,000 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.

Economic Investments in Washington

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

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 CTED and local service providers (e.g., community action agencies) is working to increase energy efficiency and reduce the burden of energy costs to low-income Washington 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 1,445 homes. In FY 2002, Washington was awarded $4,596,956 in weatherization funding.



The **Washington State Department of Community, Trade and Economic Development (CTED)** in **Olympia** received $150,000 in FY 2000 from the SEP Special Projects Office of Codes and Standards to foster a highly energy-efficient new construction market by ensuring that energy code compliance tools are widely available, user friendly, cost-efficient, and promote construction of homes exceeding the code.

Ecotope in **Seattle** received $146,000 in FY 2002 for field evaluation of improved methods for measuring the air leakage of duct systems under normal operating conditions.

As part of the Building America program, **Super Good Cents** in **Woodland** and **Valley Manufactured Housing** in **Sunnyside** received technical assistance through the Industrialized Housing Partnership (IHP) valued at $20,000 in FY 2002 that included planning and design support as well as a detailed series of recommendations for improving system performance, quality, comfort, and productivity. Ninety homes have been built in this project. 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.