

Rebuild America

Program Brief

Rebuild America advances energy-based solutions for community needs by bringing together people, resources, ideas and practices. The program serves as a gateway to connect communities with energy-smart technologies and practices.

Working through state energy offices, Rebuild America accelerates energy-efficiency improvements through private-public partnerships. The program's community partnerships make energy-efficiency improvements, adopt best practices and add renewable energy technologies to commercial, government, college, multifamily and public housing, and K-12 school projects.

Rebuild America's work is results-driven, measured in terms of number of projects, dollars invested, dollars saved, energy saved and square feet of space improved. By using energy efficiency and renewable energy as a catalyst, the program helps improve communities nationwide. From improving buildings to creating jobs, communities that partner with Rebuild America are producing remarkable results.

Results

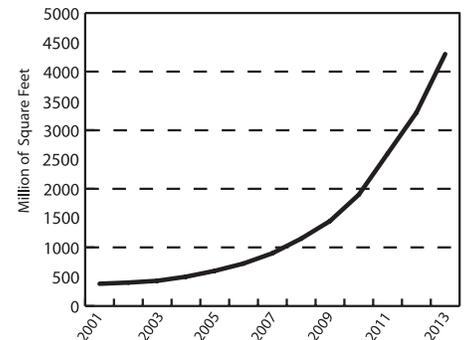
Over 560 participating communities in 53 states and territories have implemented improvements in buildings that save energy, reduce costs and improve occupant comfort. Community partnerships have completed renovations on 610 million square feet of building space. These projects – which range from installing energy-efficient and renewable energy technologies to adopting operations and maintenance best practices – resulted in cumulative savings of \$1.6 billion in energy costs. By committing to improve an additional 594 million square feet of space, Rebuild America partnerships will continue to benefit from energy-efficiency projects and the resulting savings for years to come.

By reducing energy consumption, communities are reducing the environmental impact associated with fossil fuel power generation. Rebuild America partnerships are saving 11.7 trillion Btu of energy annually, reducing harmful emissions by more than 244,484 tons of carbon dioxide emissions each year. The environmental benefit is the same as taking 198,900 passenger cars off the nation's roads. Additional improvements – either committed or underway – will save another 18.7 trillion Btu of energy annually, the equivalent of removing an additional 317,900 passenger cars from use.

Rebuild America partnerships are contributing to the economic revitalization of communities. Every federal dollar invested in program resources generates \$11.07 in private energy-efficiency improvements. The program has also created thousands of private-sector jobs and stimulates millions of dollars in additional economic activity at the local level.

For more information, contact Rebuild America at rebuildorders@rebuild.org or at 252-459-4664 or visit www.rebuild.gov.

Projected Space Improved
(Millions of Square Feet)



Each federal dollar invested in program resources leverages:

- \$20.27 in community energy savings annually
- \$11.07 in private energy-efficiency investments

Improving Communities

- Cumulative private investment in Rebuild America projects exceeds \$710 million. Additional commitments for new projects will bring that total to nearly \$1.7 billion.
- Completed renovations are saving communities nearly \$141 million in energy costs each year.
- Completed projects are saving 11.7 trillion Btu of energy annually – the equivalent energy content of 10,780 tanker trucks of oil, stretched end-to-end from the nation's capital to Philadelphia, PA.
- By reducing electricity consumption, communities are reducing carbon dioxide (CO₂) emissions by more than 244,484 tons each year – equal to removing nearly 198,900 passenger cars from America's roads.

All data reported as of fiscal year end 2003.



U.S. Department of Energy
**Energy Efficiency
and Renewable Energy**

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Public & Multifamily Housing

Smart Energy Choices Improve Public and Multifamily Housing

Many public and multifamily housing facilities use outdated heating, cooling and lighting systems that consume more energy than newer technologies. Aging buildings and equipment, coupled with inefficient operations and maintenance practices contribute to higher operating costs for property owners. Energy improvements in public and multifamily housing developments can reduce costs, improve living conditions and bolster community pride.

There are approximately 1.3 million public housing units in the United States, in over 13,000 housing developments, which generate more than \$1 billion in utility bills annually. Best practices training for facility managers can reduce operating and maintenance costs, while improving energy performance. Energy-smart improvements also benefit residents through increased comfort, better lighting and improved indoor air quality.

Public housing authorities and multifamily properties partner with Rebuild America to:

- Assess energy performance of multiunit buildings
- Identify energy-efficiency and renewable energy improvements and technologies
- Determine cost-effective project funding options
- Gain expert guidance on project design and implementation
- Provide operations and maintenance best practices training

Energy-efficient equipment and practices can:

- Create lasting reductions in building operating costs for property owners
- Improve comfort, security and sense of community for residents
- Reduce energy consumption and the environmental impacts

associated with fossil fuel power generation

- Demonstrate the effectiveness of renewable energy technologies

What can Rebuild America do for public housing authorities and multifamily properties?

Rebuild America provides technical assistance, expertise and products and services in critical areas of facilities management including:

- Building energy audits
- Energy improvement project design
- Construction management
- Metering and monitoring
- Data analysis and reporting
- Project financing

Rebuild America Strategic Partners

To promote smart energy use among public and multifamily housing, Rebuild America has strong strategic alliances with key organizations including:

- U.S. Department of Housing and Urban Development
- National Association of Housing and Redevelopment Officials
- Energy Services Coalition
- National Association of Energy Service Companies

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Public housing authorities and property owners partner with Rebuild America to improve public and multifamily housing through energy-smart improvements and practices.

Results:

- 31.3 million square feet of space improved
- Annual cost savings of \$23.2 million
- 403 trillion Btu of energy saved annually
- Total energy investment of \$42.3 million

