Partner Update

November—December 1998

Office of Energy Efficiency and Renewable Energy

Profile

RECEIVED

DEC 13 1998

Bob Friedman

Blue Devils See Green in Energy Efficiency

Smart campuses need energy-smart buildings. What better place to unleash a far-reaching energy retrofit program than at one of the nation's esteemed institutes of higher learning?

To Bob Friedman of Duke University's Facilities Management Department (FMD), it made perfect sense. In a little over a year, Friedman and FMD's energy management team at Duke have methodically pursued their goals for **Rebuild Duke University Facilities** and have completed lighting and water conservation improvements in 114 academic buildings comprising 3.2 million square feet on the 74-acre campus.

Friedman and other team members are especially looking forward to the next wave of planned improvements: a campus-wide retrofit of building heating, ventilation and air conditioning (HVAC) systems.

"We know the big energy savings are in HVAC systems and that's where we're heading next," said Friedman. "Several members of our energy team have an HVAC background."

When Friedman, a liberal arts graduate of the

Portland Exceeds Retrofit Goal By 64 Percent

The City of Portland, Oregon, has been swept up in retrofit fever, with energy-efficiency improvements completed in 42.3 million square feet. The impetus behind this flurry of activity was **Portland Partners for Energy Efficiency (P2E2)**, which surpassed by 64 percent its goal of facilitating the retrofit of 26.9 million square feet.

When P2E2 was launched in 1996 by the Portland Energy Office, the partnership intended to leverage existing utility program offerings and state tax credits to present a comprehensive package of energy and environmental services to commercial customers.

But before long, P2E2's utility partners became embroiled in industry restructuring. Enron Corporation bought Portland General Electric (PGE), a key P2E2 partner, in a move that signaled major changes to corporate plans. The rebate programs that were so central to the partnership's plans met with severe cutbacks.

"The pitfalls we could have fallen into at the time were overcome by a strong performance by our other partners," said Curt Nichols of the Portland Energy Office, who manages the P2E2 program

with partnership contact Phil Welker.

"The fact that a major partner had been sold diminished the program's appeal. But the Oregon Office of Energy (OOE) continued to offer the tax credit and others involved opted to stay as well," Nichols said.

In the absence of a strong rebate program, OOE's 35 percent Business Energy Tax Credit assumed a larger role in the program and proved to be the most effective tool for facilitating energy retrofits in the private sector. Offered since 1980, the tax credit applies to all types of fuel but is limited to businesses and is especially suited to larger companies that occupy significant blocks of space.

An "Earth Smart" Renovation

One of the partnership's standout retrofitting projects is Portland's City Hall. With PGE and the city, they undertook an "Earth Smart" renovation of the 87,500-square-foot building. The focus was on applying resource- and energy-efficient construction practices to the century-old building while protecting its historic character.

Continued on page 3 DISTRIBUTION OF THIS DOCUMENT IS UNLIMITED Continued on page 2

MASTER

Inside This Issue

3

PHILADELPHIA, WEST VIRGINIA, AND RICHLAND, WA

4

SALISBURY, NC, SIGNS ON

6

LIGHT UP ENERGY SAVINGS

7

SOURCEBOOK CUTS TO THE CHASE

Rebuild America is proud to add these 14 new partnerships to the many communities and businesses nationwide that are saving money through energy efficiency.

Arlington County, VA, Public Schools

Austin, TX, East Austin Economic

Development Corporation

City of Albuquerque, NM

Hawaiian Electric Co., Inc., Energy

Solutions

Las Cruces, NM, Negawatts, Inc.

Morgantown, WV, Main Street

Morgantown

New York, NY, Superintendents Club of

New York

Pittsburgh, PA, Rose Technology Group

Prichard, AL, Rebuild America Program

Rebuild Atlantic County, NJ

Rebuild Florida

Rebuild Preston County, WV

Ripley, WV, Main Street Ripley

State of Wisconsin, Cooperative

Educational Service Agency

To learn more about Rebuild America, call 1-800-DOE-EREC or visit www.eren.doe.gov/buildings/rebuild.

Building Retrofits Hit Record Levels

Continued from page 1

"There has been a dramatic improvement - improved lighting, comfort and lower energy bills," Nichols said. "It's a model of what historic buildings can be."

Given the significantly weakened utility rebates and limited scope of the tax credit, P2E2 searched for new ways to include small businesses and housing in its program. P2E2's Rebuild America action plan called for a neighborhood-based program. This led to the inception of the Green Neighborhood Network (GNN) as a companion program.

"Through the GNN, we brought in other partners with an interest beyond energy-efficiency retrofitting - including water conservation, waste reduction, transportation alternatives, and natural vegetation enhancement," Nichols said.

"We're building on our work with Rebuild America while trying a more concentrated neighborhood approach through GNN. We plan to test different

approaches to service delivery that have potential in a deregulated utility market."

Nichols said they want to impart a consciousness about energy and resource efficiency into the business practices of Portland-area residents. One example is the local theater, which was spending too much to light its marquee. OOE and Pacific Power provided compact fluorescent lamps that save \$1,000 a year. Small steps like this can make a big difference for small businesses with thin profit margins.

Even though P2E2 has far surpassed its energy retrofitting goal of 26.9 million square feet, it has reached only 70 percent of its energy savings goal of 600 billion BTUs, Nichols said. Without utility rebates, the energy savings per building are closer to 15 to 20 percent, compared to 25 percent savings expected with the rebates. P2E2 plans to press on.

"We're not stopping," said Nichols. "Much remains to be done."

View from DC

By Mark Bailey

As we reach the end of 1998, we have a lot to be proud of:

- More than 175 people came to our National Conference in San Antonio in March, and 62 partnerships were represented.
- Seventy-five more communities made energy efficiency a priority and formed Rebuild America partnerships, ensuring that more than 200 communities are hard at work nationwide.
- We organized regional customer service teams to provide our partnerships with a wide array of products, services, and customized technical and business assistance.
- The first Energy Champion Awards were presented to Rebuild Webster City, Iowa (Partnership of the Year); Wendell Jones of Rebuild Little Rock, Arkansas (Partnership Leader of the Year); and John Ruckes of Connecticut (State Representative of the Year).

Looking ahead, we've set some ambitious goals for 1999. Our "New Year's Resolutions" are to:

- ① Bring 100 partnerships from planning to action, including 50 with K-12 schools as partners.
- ② Generate awareness of our partnerships' accomplishments through success stories and media reports.
- ③ Post a complete catalog of products and services on our web site.
- ④ Develop strategic alliances with important audiences, similar to our relationship with APPA: The Association of Higher Education Facilities Officers.
- ⑤ Involve 25 partnerships in other energy-efficiency programs, like Clean Cities and Alternative Fuel Vehicles.

We know from the hard work we've seen so far that we can accomplish these goals.

Mark Bailey is the Rebuild America national program manager.

DISCLAIMER

This report was prepared as an account of work sponsored by an agency of the United States Government. Neither the United States Government nor any agency thereof, nor any of their employees, make any warranty, express or implied, or assumes any legal liability or responsibility for the accuracy, completeness, or usefulness of any information, apparatus, product, or process disclosed, or represents that its use would not infringe privately owned rights. Reference herein to any specific commercial product, process, or service by trade name, trademark, manufacturer, or otherwise does not necessarily constitute or imply its endorsement, recommendation, or favoring by the United States Government or any agency thereof. The views and opinions of authors expressed herein do not necessarily state or reflect those of the United States Government or any agency thereof.

DISCLAIMER

Portions of this document may be illegible in electronic image products. Images are produced from the best available original document.

Partnership Briefs

On September 26, **Rebuild Philadelphia** celebrated the reopening of the newly retrofitted Northeast Regional Library, the flagship project in the partnership's action plan. Philadelphia's Free Library and the City's Municipal Energy Office, with help from Rebuild America and the U.S. Environmental Protection Agency's ENERGY STAR Buildings Program, installed energy-efficient windows, lighting, computers, and heating/cooling equipment in the building. Mayor Edward Rendell lauded the project as an example of how public and private interests can work together to benefit the community. The partnership created a video chronicling its efforts to revitalize the building.

For additional information, contact Michelle Knapik of the Philadelphia Municipal Energy Office at (215) 686-3957.

Three communities are helping **Rebuild West Virginia** improve 600,000 square feet of Main Street building space, according to Monica Miller, state coordinator of Main Street West Virginia. **Main Street Ripley** is holding a workshop to incorporate the ongoing work on a city building and historic theater into its action plan. **Main Street Philippi** is currently auditing two buildings and recently met with community and business leaders to discuss Rebuild America. **Main Street Morgantown** has begun work on a historic hotel. Rebuild West Virginia's local partners have access to energy audits, technical assistance and a statewide network of experts. They are also eligible for financial assistance.

For more information, contact Judy Dyer of Rebuild West Virginia at (304) 558-0350 or e-mail judyd@wvdo.org.

The **City of Richland, Washington**, is offering low-interest loans through its revolving loan program for ENERGY STAR-approved appliances, including dishwashers, clothes washers, refrigerators and freezers. The loans are part of the city's program to encourage energy conservation improvements; they round out offerings including building insulation, replacement windows and heat pumps. "There has been considerable customer demand for appliance loans for some time now," said Larry Dunbar, the city's resource manager. "At the Rebuild America national conference, we were encouraged to keep the program development effort going. Thanks are in order ... for the guidance [they] offered my staff."

For more information, contact Larry Dunbar at (509) 942-7432 or e-mail ldunbar@ci.richland.wa.us.

Duke University Retrofits Campus Buildings

Continued from page 1

University of North Carolina-Chapel Hill, joined Duke University's facilities management staff 20 years ago, it was as an HVAC mechanic. From there he moved on to building controls, then building automation and, more recently, energy management.

He was impressed by the significant energy savings that could be achieved with efficiency improvements and worked with FMD's energy team to develop and implement a campus-wide energy-conservation program. During his search for resources and help, he and FMD Director Jerry Black came across Rebuild America and their plans began to gel.

Rebuild Duke University Facilities is now into its second year of a seven-year program aimed at achieving energy savings of \$600,000 and 42.1 billion BTUs annually. Improvements to date to the 114 buildings on campus include:

- retrofits and upgrades to lighting systems throughout campus, including

electronic ballasts, T8 lamps, motion sensors and LED exit signs;

- introducing water conservation measures campus-wide using domestic and non-domestic water-consuming and steam-heating equipment; and
- installing aerators and low-flow flush valves in restrooms.

Moving Forward

The next step - implementation of the HVAC systems retrofitting - will yield the greatest energy-efficiency gains for the program. The partnership plans to begin with the five buildings on campus that consume the most energy per square-foot. The buildings range from 150,000 square feet to 400,000 square feet.

Introducing variable air volume systems, replacing aging chillers, and setting up chill water systems on a loop to serve multiple buildings are part of the scope of work, said Friedman.

Friedman said the biggest challenge facing Rebuild Duke University is locating adequate funds to implement energy improvements. Rebuild Duke succeeded in persuading the university's Board of Trustees to finance the initial energy-efficiency improvements with a six-year loan.

One year later the partnership is on track and proving the soundness of its approach and its creditworthiness. The partnership has met its loan repayment obligations each month and was able to reinvest a portion of the energy savings from the first year into other improvements. For example, the Rebuild Duke energy team installed a processed water loop to reclaim and recirculate water used to cool equipment.

A North Carolina native and life-long resident, Friedman takes engineering courses on occasion at Duke and enjoys reading, the outdoors and spending time with his 7-year-old daughter.

Unveiling The ENERGY STAR® Building Label

The ENERGY STAR Building Label gives RebuildAmerica partnerships a powerful new way to recognize top-performing buildings.

Created by the U.S. Department of Energy and the U.S. Environmental Protection Agency, the ENERGY STAR Building Label is awarded to distinguish commercial and public buildings that have an indoor environment that conforms to industry standards and are among the top 25 percent nationwide in terms of energy performance.

Two new tools are freely available to help identify ENERGY STAR buildings – the Benchmarking Tool and the Statement of Energy Performance. They can also be used to help building owners develop an energy performance baseline, prioritize buildings by energy performance, measure and verify energy savings via performance contracts, and serve as an official statement in building ownership transactions.

The Internet-based Benchmarking Tool rates a building's energy performance on a 0 to 100 scale after users input data about building size and location, occupancy patterns, and utility bills. Buildings that score 75 or greater can qualify as an ENERGY STAR Building.

The Statement of Energy Performance is generated by the Benchmarking Tool to document energy performance and indoor environment conditions. The Statement is largely based on industry standards for control of indoor air pollutants, ventilation, thermal comfort and illumination levels. When validated by a licensed Professional Engineer, the Statement of Energy Performance can be used to apply for the ENERGY STAR Building Label.

Qualified buildings are sent the ENERGY STAR building plaque (above), which indicates the year and

is inscribed, "The Mark Of Excellence In Energy Performance." Qualified buildings are also listed on the ENERGY STAR Building Label web site.

The Mark of a Quality Building

The ENERGY STAR Building Label is a way to add value to buildings that are retrofitted by RebuildAmerica partnerships, said Rebuild America National Manager for Customer Service Jeff Brown.

"RebuildAmerica partnerships should encourage owners of participating buildings to apply for the ENERGY STAR label," he said. "It's a sign of a high-performing, quality building – and that can only help their marketing efforts. Partnership leaders can use the label as an incentive to draw greater private sector involvement in their programs."

Tom Hicks, EPA program manager for the ENERGY STAR Building Label, agreed. "The label can be a significant marketing advantage for owners of qualified buildings. In a competitive market, it can help boost occupancy levels, increase profit margins, and increase asset value."

No fees are involved in applying for the ENERGY STAR Building Label. It is currently limited to office buildings, but will be expanded to include schools by year's end, followed by the retail and hospitality industries.

To learn more about the ENERGY STAR Building Label and access its tools, visit www.epa.gov/buildinglabel, or call Tom Hicks at (202) 564-9324.

Salisbury, NC, Hoists a Sign of the Times

"We wanted to start something," is how Hilary Edwards explains why her North Carolina partnership, the Salisbury Housing Authority, put up six road signs that say, "Welcome To A Rebuild America Community."

"When people come to our community, especially those interested in economic development, we want them to have something to talk about right off the bat," she said. The signs are located on main roads leading into town, just inside the city limits.

The signs are one of the ways Edwards is attracting attention to the partnership she leads as special programs manager for the Authority. The partnership has begun HVAC retrofits of a 68,000-square-foot senior housing building, and is working closely with its partners to ensure maximum savings from their efforts. Piedmont Natural Gas, for example, is providing its services and new equipment for free, and Duke Power is helping to educate residents to track their energy use.

"We're really pleased with the collaboration with the City of Salisbury and all of our partners," Edwards said. Now the partnership aims to bring in three local colleges that have begun expansion and renovation projects.

"RebuildAmerica is a philosophy as much as a program – we like looking for ways to conserve energy," she said.

Visitors to Salisbury, NC, are welcomed by the city's Rebuild America partnership.

EnergySmart Schools Take Center Stage

Secretary of Energy Bill Richardson (right) joined Secretary of Education Richard Riley to announce EnergySmart Schools— a new initiative to cut school energy bills and reinvest the savings in educating the nation's children— on October 5 at the National Symposium on School Design in Washington, D.C. [see September-October 1998 *Partner Update*].

Richardson said schools could save an estimated 25 percent of the \$6 billion they spend annually on energy. The savings could pay for 40 million new textbooks, 30,000 new teachers, or 1.5 million new computers every year, he said.

The initiative's 10-point action plan calls for training school representatives about innovative financing, building and renovating energy-smart schools and modular classrooms, and conducting technology demonstrations at schools across the country. Richardson noted that the process has already begun.

"Through DOE's Rebuild America program, a school in Tanana, Alaska, is saving \$22,000 annually by cutting its energy use by 30 percent," he said. "In Indio, California, the

Desert Sands Unified School District is using energy savings performance contracts that guarantee savings of over \$300,000 each year for 10 years. And right here [in] Washington, D.C., schools will save an estimated \$3 million annually" through retrofit projects.

Helping Kids Learn

Educators voiced strong support for energy-efficient schools that provide a healthy environment during a session co-led by Jonathan Schnier of Vice President Gore's office. Key points included:

- A teaching curriculum can be built around the concept of good school design.
- Schools should be "centers of the community" and designed to accommodate community needs before and after the regular school day.
- Good design doesn't have to cost more if it's incorporated into the plans early on.
- Indoor air quality needs special attention with the reported doubling of asthma

rates among children under age 12.

"What this is ultimately about is educating our children, not quads of BTUs," Assistant Secretary of Energy Dan Reicher said in a session devoted to energy efficiency, "but [reducing those] is a means to an end of helping kids learn."

To learn more about EnergySmart Schools, call Mark Bailey at (202) 586-9445 or visit www.eren.doe.gov/buildings/energysmart.

DOE Secretary Bill Richardson

Partnerships Sponsor Energy Events

Hawaii Energy Expo

The 1998 Efficient Electro-Technology Expo & Conference on October 23 was a resounding success. Cosponsored by Hawaii's Department of Business, Economic Development & Tourism and the Hawaiian Electric Company, the Expo attracted 350 participants and dignitaries from all over the Pacific islands. A representative of Governor Ben Cayetano presented Rebuild America's Mark Bailey with a special proclamation for the program's assistance with energy issues in Hawaii. Rebuild America also recognized partnerships for their outstanding work: **Rebuild Hawaii; Rebuild Hawaii State;**

Rebuild Hawaii Island; Rebuild Hawaii Schools; Rebuild Maui County; Rebuild Kauai; the Hawaiian Electric Company; Hawaii State Public Library System; Hawaii Community Colleges; and the University of Hawaii, School of Architecture.

Rebuild Roanoke-Chowan Energy Forum

The Rebuild Roanoke-Chowan partnership is bringing new energy to business in northeastern North Carolina. The partnership held a special energy forum and luncheon on October 22 for 100 building owners in the region. Oak Ridge National

Laboratory presented results from building audits conducted last summer as part of the Summer Youth Job Training Partnership Act [see September-October 1998 *Partner Update*].

Local bankers, Rebuild America representatives, the North Carolina Department of Commerce, and ENERGY STAR Small Business representatives showed building and business owners how to obtain funding for energy retrofit projects.

Rebuild America's national manager for customer service, Jeff Brown, presented Rebuild Roanoke-Chowan with a Certificate of Achievement.

Workbench

Light Up Energy Savings

By Doug Avery

"We're seeing 60 percent more light with less energy use. The superintendent said the lighting is so much better now people are asking if the school was repainted."

- Bruce Tiedeman,
Rural Alaskans
Conserve Energy

The new lighting RACE installed in Tanana's school is easier on the eyes, and the wallet – they expect savings of 30 percent [see September-October 1998 *Partner Update*].

Rebuild America participants can reduce their energy consumption and improve the appearance and performance of their buildings through lighting upgrades. The improved systems pay for themselves, with average energy savings of 25 percent and payback periods ranging from a few months to four years.

Even new buildings can benefit. In Taos, New Mexico, a new college building uses the right lamps (highly efficient T8 fluorescents), but installed a magnetic ballast, significantly reducing lamp efficiency and actual energy savings possible. Here are some tips on getting savings to "light up."

Understand the Options

Fluorescents are the preferred lamp for most general indoor tasks. They're either compact (optimized to replace existing incandescent lamps) or linear (typically four or eight feet long). Compact fluorescents last on average 10 times longer than incandescents and use less energy to produce the equivalent light output. New dedicated fluorescent fixtures insure that incandescents aren't reinstalled.

Linear fluorescents – typically used in ceiling-mounted fixtures – come in different diameters. Due to the

phosphors and lamp construction, the T8 variety (measuring eight 1/8th of an inch in diameter) is 11 percent more efficient than typical T12 bulbs (12 1/8th of an inch in diameter).

When combined with a high-frequency electronic ballast (which regulates current and voltage), T8 bulbs eliminate the flickering associated with standard fluorescent lighting systems.

For exterior applications, metal halide is becoming the lamp of choice. With a high-intensity white light, it's a good choice for public areas such as the exterior of retail shops. Another option is high-pressure sodium, whose amber glow is often seen in parking lots.

Capture the Benefits

"EXIT" signs, on 24 hours a day, can use up to 80 watts per fixture. Replacing those bulbs with LEDs (light-emitting diodes) lowers energy use to under five watts.

High-efficiency lighting provides benefits in addition to fiscal and energy savings. Purchasing departments have fewer items to buy; maintenance staff can easily replace failed lamps and ballasts; employees are more productive in a well-lit environment; and buildings with consistent, high-quality lighting have a more pleasing appearance.

Do Your Homework

First, conduct a thorough facility lighting assessment. Work with a lighting systems expert to identify opportunities and develop a plan to take advantage of them.

Then, find local expertise to provide an unbiased review of the plan; Rebuild America program representatives are one of the potential resources available. Critically question an upgrade plan – is it using state-of-the-art solutions? Is it over-promising savings? Always focus on the bottom line – will the proposed upgrades provide sufficient lighting for the tasks at hand?

Verify Your Savings

Creating a baseline of current lighting costs helps track whether expected savings materialize. Efficient lighting solutions may have a higher first cost, but are overall life-cycle cost winners – they require less maintenance, are cheaper to operate, last longer and provide a better quality of light.

Doug Avery is staff scientist for lighting at Lawrence Berkeley National Laboratory. He can be reached at (310) 798-6927, or e-mail davery@lbl.gov.

Doug Avery (left) examines the lighting in Cid's Food Market in Taos, New Mexico, with local champion Peter Alexander and owner Betty Backer.

Tools

Sourcebook Cuts to the Chase

The new Rebuild America Sourcebook is a comprehensive source of information about contracts and agreements for energy projects. The Internet-based Sourcebook is organized around the five project phases and contains a wealth of useful material for partnerships.

The phases are:

- ❶ Planning and goal setting
- ❷ Information gathering and studies
- ❸ Design and procurement
- ❹ Construction and installation
- ❺ Operation phase activities

Within each section are examples of sample documents, products, resources, and issues relating to that specific phase of contract development. The Sourcebook includes files of procurement documents, contracts and agreements that can be viewed and downloaded. Many documents are specific to Rebuild America. There is a link for partnerships to send in their documents.

The Sourcebook also contains:

- Energy project planning tips.
- Links to sites with contract documents online.
- A glossary of contract terminology.
- Frequently asked questions.
- An easy-to-use help section.

Many types of buildings and projects are covered, including schools, multi-family housing units, and health care buildings. There is also information on hiring energy auditors and energy service companies, financing, sustainable building specifications, building commissioning, and operations and maintenance.

To access the Sourcebook, visit www.eren.doe.gov/buildings/rebuild/ca.main.html. For more information, contact Nance Matson of Lawrence Berkeley National Laboratory at (510) 486-7328 or e-mail nematson@lbl.gov.

BOMA Atlanta Gets Recognized

Mark Bailey, Rebuild America's national program manager, recently presented the **BOMA Atlanta** partnership with a Certificate of Achievement during their monthly lunch meeting. Over 200 Atlanta commercial building owners and managers were on hand to learn about Rebuild America's national efforts and discuss the city's energy opportunities.

The BOMA Atlanta partnership plans to retrofit an estimated 30 million square feet of shopping centers, office parks, market centers, and other commercial properties. *Office and Commercial Real Estate* magazine will print an article on Rebuild America and BOMA Atlanta in an upcoming issue.

Step Right Up

If your partnership has an upcoming event that would provide a good opportunity for recognition, please let your Rebuild America representative know. You may also request Rebuild America Certificates of Appreciation (below) for outstanding individuals within your partnership.

Upcoming Events

1999 National Conference on Education. February 19-22, 1999 in New Orleans, LA. The American Association of School Administrators sponsors its 131st annual conference, focusing on preparing schools for the 21st century and connecting schools and communities. Contact AASA at (703) 875-0748, or visit www.aasa.org.

1999 Greenprints – Sustainable Communities By Design. February 22-23, 1999 in Atlanta, GA. Greenprints is the annual southeastern conference and trade show on environmentally appropriate building technology and sustainable community design. There will be a workshop focusing on Rebuild America K-12 projects. Contact the Southface Energy Institute at (404) 872-3549, ext. 126, or visit www.southface.org.

Seventh National Conference on Building Commissioning. May 3-5, 1999 in Portland, OR. The Conference brings together experts from private industry and government to discuss commissioning, operating and maintaining buildings. Contact Carolyn Dasher of Portland Energy Conservation, Inc., at (503) 248-4636, ext. 204, or visit www.peci.org.

Solar 99 Conference – Growing the Market. June 12-16, 1999 in Portland, ME. A symposium focusing on solar technology, applications and marketing. Contact the American Solar Energy Society at (303) 443-3130, e-mail ases@ases.org, or visit www.ases.org/solar.

Make sure to visit Rebuild America's web site: www.eren.doe.gov/buildings/rebuild

**Partner Update
Reader Poll—
Your Chance to
Sound Off!**

**An Online
Challenge—
Are You an
Energy Expert?**

Share Your Success

Rebuild America Partner Update, the bimonthly newsletter about the Rebuild America community, covers partnership activities, industry trends, and program news.

To submit news or story ideas, contact:

- Jonathan T. Alloy, (202) 466-7391, or e-mail jalloy@pcgpr.com.
- Rebecca Penovich, (301) 588-9387, or e-mail beckyp@drintl.com.

Learn More

Rebuild America is part of DOE's Buildings for the 21st Century. If you would like information about Rebuild America or the other energy efficiency and renewable energy programs and resources, call 1-800-DOE-EREC or visit www.eren.doe.gov.

To be placed on the mailing list for *Rebuild America Partner Update*, e-mail rebuildamerica@drintl.com.

Rebuild America is a network of community partnerships – made up of local governments and businesses – that save money by saving energy. These voluntary partnerships, working with the U.S. Department of Energy, choose the best ways to improve the energy efficiency of commercial, government and apartment buildings. Rebuild America supports them with business and technical tools and customized assistance.

By the year 2003, 250 Rebuild America partnerships will be involved in over 2 billion square feet of building renovations, which will save \$650 million every year in energy costs, generate \$3 billion in private community investment, create 26,000 new private sector jobs, and reduce air pollution by 1.6 million tons of carbon dioxide a year.

U.S. DEPARTMENT OF Energy

Rebuild America
Office of Building Technology,
State and Community Programs
U.S. Department of Energy
1000 Independence Avenue, SW
Washington, DC 20585-0121

Address Correction Requested

Printed on
Recycled Paper