

Partner Update



Fall 1997

Energy Efficiency and Renewable Energy

“EnergyWorks” For Bob Housh

Changing a culture isn't easy, but that is exactly what Bob Housh is out to do. As Project Director of **EnergyWorks** in Kansas City, Missouri, Housh intends to generate enough interest in energy efficiency to sustain his program after a five-year grant from DOE ends.

He freely acknowledges this is a tough sell in a metropolitan area with the world record for paved highway miles yet very little mass-transit. But he points out the area's huge market potential for energy efficiency services: 104 municipalities, 250 non-profit organizations, and numerous hospitals, universities, and schools.

EnergyWorks was founded two years ago by the Metropolitan Energy Center (MEC) to deliver energy efficiency services to community organizations and public agencies. “Many groups look at energy bills as something they have to pay, not manage,” Housh says. “Our goal was to show them how to manage energy and help them divert their resources to what they were chartered to do in the first place.”

Housh came to the MEC in 1985 to start a precursor to the EnergyWorks program. He had specialized in community studies at Baker University in Kansas, earning a degree in sociology, and worked with various community service agencies after graduating. “I got hooked on energy and how it

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“Team Rebuild” Rides Across Iowa By Bicycle

How can you get the attention of busy mayors and city managers to introduce them to Rebuild America? Try bicycling into town with 18,000 others on a cross-state ride that is the largest of its kind in the world.

That's what Ron Horstman, coordinator of the **Sioux Center, Iowa**, partnership, did for a week in July, when he wore a “Team Rebuild” jersey in the 25th *Des Moines Register's Annual Great Bicycle Ride Across Iowa*[®], known as RAGBRAI[®].

“When we got to host towns, I met with the mayor or city manager to discuss Rebuild America and present them with a Team Rebuild jersey,” Horstman said. He had ridden RAGBRAI before, so “this was a perfect opportunity.”

The bike ride, begun by two *Register* columnists in 1973, covered 464 miles this year. From Missouri Valley at the start of the ride to Fort Madison at the finish, the route climbed over two and a half miles.

Each evening, a community would host the riders from around the world, providing them with sleeping



Horstman (right) meets Steve Green, water utility manager for 13 Iowa communities.

accommodations, entertainment, and all types of delicious food. Horstman talked with city officials in all six communities, and met with three of them.

“The neatest thing was when one city manager met me on his Harley-Davidson, because it was the only motorized vehicle that could get around in the crowded community,” Horstman said. “I gave them Rebuild America information, including a brochure with answers to the most frequently asked questions about the program.”

Monica Stone, executive director of the Iowa Department of Natural Resources' (DNR) Energy Bureau, joined Horstman for part of the ride. “We think Rebuild America fits in because RAGBRAI is a great

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Housh Shows That "EnergyWorks"

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could help the community when I ran a neighborhood weatherization program for Della C. Lamb Community Services," Housh said.

"Energy efficiency is a tool to help improve communities and make them sustainable," Housh explains. The goal of EnergyWorks is to achieve a 25% savings in energy use in 56 million square feet of non-profit and local government building space. Housh estimates \$30 million will be invested in retrofit projects in the community over the five-year program.

Housh is energetic when he describes what his EnergyWorks staff of three has accomplished so far. "We've already identified over \$2.5 million in annual savings in about 6.5 million square feet of space," he said. In Jackson County, Missouri, for example, Housh expects retrofits to begin this Fall. And the City of Kansas City recently signed on as a partner.

In addition to EnergyWorks, Housh is now serving as acting executive director of the MEC. Peter Dreyfuss, who founded the MEC, has come to the U.S. Department of Energy to work with the Office of Energy Efficiency and Renewable Energy, where Rebuild America is based.

Serving the Community

Working with non-profits presents different challenges than local governments, Housh said, noting that "their prime motivator is not simply to cut energy costs." EnergyWorks retrofitted the headquarters of the local United Way, a renovated turn-of-the-century building being used as an example of what is possible for other United Way member agencies.

A key part of the retrofit process for non-profits, financing, is arranged through a \$750,000 revolving loan fund set up by Hallmark Foundation, United Way and Greater Kansas City Community Foundation. Housh is also exploring ways to leverage that fund with the primary source of funding for government projects, the Missouri Environmental Improvement & Energy Resources Authority.

The MEC itself is housed in a super-efficient renovated house, which originally was an example and source of information on energy efficiency. "We show [clients] that by improving their equipment they can solve some building problem like maintenance and help manage their budgets at the same time."

When he's not working, Housh relaxes in a small rural community north of Kansas City. His two kids help take care of their part-Arabian horse, Big Boy. "I'm very involved, with school activities, coaching sports, Cubmaster," Housh says. "My priority in my life is my family."



Bob Housh (right) is congratulated by Mark Ginsberg, the deputy assistant secretary for building technologies at DOE, at the 1996 Rebuild America Fall Forum.

View From D.C.

by Lani MacRae

Have you begun making plans for the Rebuild America 1998 National Conference?

We have, and next year's conference promises to be the best ever. From March 10-12, 1998, the Rebuild America community will gather in San Antonio, Texas, to share success stories, learn about new ideas, and get to know more than 130 partners from throughout the country.

The two and one-half day conference will be packed with opportunities to learn things you can put to work immediately in your partnership.

We will have:

- sessions devoted to topics like project design, implementation, financing, and promotion;
- discussion roundtables;
- showcases of successful partners;
- plenty of opportunities for networking; and
- renowned speakers from the worlds of energy, environment, government, and the private sector.

Registration and agenda information will be posted on the Rebuild America website (www.eren.doe.gov/buildings/rebuild) in December, where you can register online. Printed registration packets and information will automatically be mailed to every partnership at the start of the new year.

We welcome your input and ideas to make this conference a rousing success. Please let us know who we should be inviting to the conference. Who are your local partners? What private sector businesses, government agencies, and community groups are you working with? They are all welcome to attend.

You can contact Rebecca Penovich of D&R International at (301) 588-9384, or e-mail her at rpenovich@aol.com.

Thanks, and see you in San Antonio.



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Partner Update is the quarterly newsletter from Rebuild America, a program of the Office of Energy Efficiency and Renewable Energy at the U.S. Department of Energy.

Rebuild America projects improve the energy efficiency of buildings to save money, create jobs, promote growth and protect the environment through cooperative partnerships with America's communities.

To submit an article to Partner Update, contact Lani MacRae, Editor, at the U.S. Department of Energy, Mail Stop EE-421, 1000 Independence Avenue, SW, Washington, D.C. 20585; or e-mail lanimacrae@hq.doe.gov.



Partner
Update

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Cool Off Energy Bills With Chiller Retrofits

By Lisa Gartland, Ph.D.

Energy professionals are taking a new look at the possibilities chillers present to save money and improve buildings as part of comprehensive energy-efficiency building retrofits.

In addition to the traditional systems explored for retrofits — such as lighting, ventilation and control systems — the cooling system, comprised of the chiller, cooling towers, fans and pumps, is a prime candidate for inclusion. It typically uses 15% of the energy consumed in a building, with chillers responsible for 60% of that.

Most chillers now in place use chlorofluorocarbons (CFCs) as the working fluid to cool the air or water flowing through them. But in an effort to halt depletion of the ozone layer and prevent global warming, Congress mandated the phaseout of CFCs as part of the Clean Air Act of 1990. Production ceased on January 1, 1996.

This has created a boom of interest in chiller retrofits. In part that is because it is becoming harder to obtain replacement CFC refrigerants, which are becoming more expensive as they get increasingly scarce. In addition, the U.S. Environmental Protection Agency has laid down tough rules governing the handling, replacement and disposal of CFCs, including strict requirements for record-keeping. As a result, facility managers have seen a steady rise in the costs to maintain their CFC-based chillers.

The most common replacements for CFCs are hydrochlorofluorocarbons (HCFCs) and hydrofluorocarbons (HFCs). But also as part of the Clean Air Act, a phaseout of HCFCs will begin in 2003.

Money-Saving Alternatives

To help out the facility managers, engineers and auditors who have to deal with this issue, Dale Sartor, of DOE's **Lawrence Berkeley National Laboratory**, created Cool Sense, a nationwide network to promote integrated chiller retrofits. It serves as a clearinghouse for technical, design and financing information.

Since the chiller is a very expensive piece of equipment, it makes financial and managerial sense to look at the CFC phaseout as an opportunity to do a wide range of energy efficiency upgrades at the same time. Other energy efficiency measures (EEMs) not only reduce energy use and cooling loads on buildings, but they generally have lower costs and shorter pay-back periods and help to finance more expensive chiller work.

The benefits of conducting integrated chiller retrofits include:

- new chillers, which use 0.6 kilowatts/ton or less at full loads, are at least 30% more efficient than older ones, which used 0.9 kilowatts/ton;
- an appropriately sized chiller, often much smaller, since all the EEMs taken together will reduce the building's cooling needs, can add to the energy savings; and
- higher building value to owners and occupants, thanks to increased comfort, more efficient operation and lower energy bills.

Robert Rowan, assistant VP of Facilities Management at the **University of Maryland at Baltimore**, recently oversaw the change out of three aging 1,200 ton chillers, due to the CFC phaseout and an overall program of energy efficient upgrades. "[Energy efficiency] has to be an integrated process," he said, "because capacity issues are driven by the size of equipment and its efficiency. It's an all-inclusive methodology."

Lisa Gartland is the director of the Cool Sense program at DOE's Lawrence Berkeley National Laboratory. She can be reached at (510) 486-7334, or e-mail imgartland@lbl.gov.

How Harmful Are Refrigerants?

This table shows the environmental impacts of common refrigerants, including their Ozone Depletion Potential and Global Warming Potential. HFCs are harmless to the ozone layer because they don't include highly reactive chlorine. Meanwhile, CFC-12 is a prime contributor to global warming, as it is 7,100 times more effective at trapping heat in the upper atmosphere than carbon dioxide.

Refrigerant	ODP (CFC-12=1)	GWP (CO ₂ =1)
CFC-12	1	7,100
HCFC-22	0.05	1,600
HCFC-123	0.02	90
HFC-134a	0	1,200

Learn more about integrated chiller retrofits by exploring web sites for EPA (www.epa.gov/ozone) and Cool Sense (eande.lbl.gov/cbs/ateam/COOLSENSE/coolSense.html).

Atlanta Proclaims Earth Day With Energy Savings

Atlanta Mayor Bill Campbell celebrated Earth Day this year by delivering a keynote address at the CNN Center, visiting the City Zoo, and issuing an Earth Day proclamation.

This year's proclamation (right) was special because it recognized the city's Rebuild America partnership, and the role that energy savings play in helping the environment.

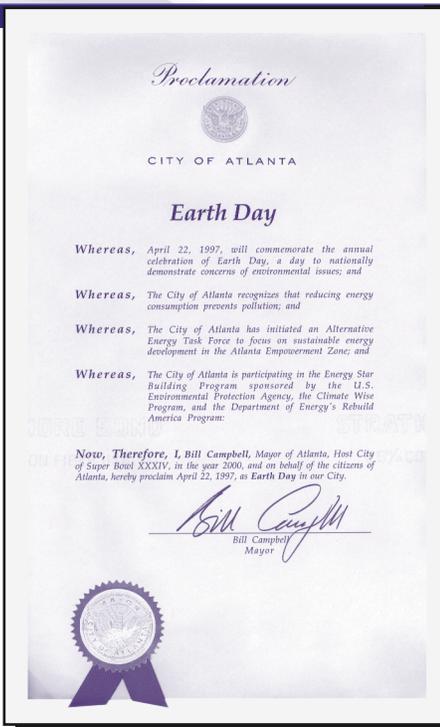
According to Janet Boykin, the city's Rebuild America coordinator, 1997 is the year of energy savings for Atlanta. "In his State of the City address in January, Mayor Campbell focused on energy and the environment. He then got us involved with Rebuild America."

Mayor Campbell has charged Atlanta's Department of Administrative Services and Department of Planning, Development & Neighborhood Conservation to work with the International Council for Local Environmental Initiatives to recruit industries and manufacturers to the Climate Wise pledge.

They will also work with the Climate Institute on planned renovations to lighting and HVAC systems to make them more energy efficient.

The message sent by Atlanta's Earth Day proclamation is an important one. Buildings are a leading source of environmental pollution in the United States, according to the Energy Information Administration and the U.S. Environmental Protection Agency.

In 1993, buildings were responsible for:



- 50 percent of total U.S. emissions of sulfur dioxide;
- 35 percent of carbon dioxide emissions, which is a leading greenhouse gas; and
- 25 percent of nitrous oxide emissions.

By joining the Rebuild America program, however, the City of Atlanta will be helping partners across the country reduce greenhouse gas emissions by 1.6 million tons a year by the year 2000, an amount equal to removing 1.2 million cars from the road.

But, "energy is more than a policy issue," Mayor Campbell says. "It's about the future for children and the environment."

News Briefs

New Clean Air Standards

President Clinton recently signed new clean air standards proposed by the U.S. Environmental Protection Agency (EPA). These new National Ambient Air Quality Standards, for ground-level ozone (smog) and particulate matter (soot), will protect 125 million Americans. The new ozone standard, set at 0.08 parts-per-million (ppm), won't go into effect until the current standard has been met. Counties will be in attainment under the new ozone standard when the three-year average of the annual 4th-highest daily maximum 8-hour concentration is below 0.08 ppm. For particulate matter, EPA is adding a new PM2.5 (measured as particles 2.5 micrometers in diameter or smaller) standard set at 15 micrograms per cubic meter and a new 24-hour PM2.5 standard of 65 µg/m3. EPA is also retaining the current PM10 standard of 50 µg/m3.

For more information on the new clean air standards, visit the EPA website at www.epa.gov/ttn, or call (919) 541-5551.

Reicher Nominated For EE Post

Dan Reicher, a longtime Department of Energy official, has been nominated by President Clinton to serve as the assistant secretary for energy efficiency and renewable energy. Reicher is currently a senior advisor to Secretary Peña on legislative and program initiatives. He also served as former Secretary O'Leary's chief of staff and deputy chief of staff, from 1993 to 1997. Before coming to DOE Reicher was a senior attorney at the National Resources Defense Council. As assistant secretary, Reicher will oversee programs to increase energy efficiency, renewable energy, and energy conservation, including the Rebuild America program. The U.S. Senate must confirm Reicher for this post.

Partnerships Work for America's Communities

By Mark Ginsberg

In this unprecedented era that is redefining the energy industry, it is important that we keep our focus on energy as a business. The next few years will provide opportunities for those who understand energy's importance. There are profits to be had. Businesses can reduce costs and sell products the whole world is looking for.

DOE will continue to promote sound investments in energy efficiency and renewable energy. That's good for business, good for consumers, and yes, good for the environment. DOE's strategy relies on building partnerships to accomplish this, whether it's R&D on a new lighting technology like the sulfur lamp, or in working with local government, energy providers, community groups and businesses to implement community-wide retrofit projects.

We want to give customers tools and information to help them make smart choices concerning products, services and projects, and work toward transforming the market for energy efficiency.

Partnerships Work!

We hear about "Partnerships" a lot these days. There's a good reason — Partnerships Work! Partnerships build capabilities. Congress willing, my office will spend \$90 million next year developing new technologies, and providing tools and information to help building owners reduce energy costs.

That's just a small down payment on the future. This is too big a job to do alone. We need partners to accomplish our goals. And one of the model partnership programs within my office is Rebuild America.

Rebuild America is about local priorities, not the federal government's — and you've told us that key among those priorities are more affordable housing, economic development, leaner operating budgets, better environmental quality, and access to investment capital. We have designed the program so that you can address those priorities, and we continue to focus on what's important to you.

There are over 135 partnerships underway in over 35 different states and territories. The common thread throughout them is the diversity of their approaches. While they all improve energy efficiency, they all choose the approach that will work best in their communities.

Rebuild America is about choices. Community leaders choose which buildings to retrofit, who to partner with, and what kind of financing will work for them. The community ultimately chooses the direction to take based on local priorities. You tell us what's important, and develop action plans that make sense for you.

Mark Ginsberg is the deputy assistant secretary for building technologies, state and community programs at the U.S. Department of Energy. This article is excerpted from his speech at the National Business Energy Forum in June, 1997.

RAGBRAI Brings Iowans Together

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opportunity to talk to people in communities about how we can help them." She joked that the original intent of the ride was "to prove that Iowa isn't flat. Everyone who's ridden agrees."

The **Rebuild Iowa** and Sioux Center partnerships intend to keep in touch with the community leaders they met with. "We want to develop partnerships with them, to match up our technical resources

with their community resources," Stone said.

In Sioux Center, Horstman is working with a partnership team that includes the local utility, Chamber of Commerce and city government. Together with the Iowa DNR and U.S. Department of Energy, they are aiming for a 25% reduction in energy use in participating buildings. "Those are dollars that will stay in the

community and roll over a few times. And that creates more jobs," Horstman said.

Stone and Horstman agree they will be back for the 1998 RAGBRAI. "It's a lot of fun, but it takes a lot of planning," Horstman said. "We want to get some press coverage and have a booth set up in each community to give out information."

Partner Briefs

The **City of Cuyahoga Falls** in Ohio recently installed a HVAC energy management system in its City Hall. The 65,000-square-foot building, built in 1952, previously had HVAC systems that ran 24 hours a day. Mayor Don L. Robart put together a team that included Comse Energy Managers, a subsidiary of Ohio Edison Company and also a Rebuild America partner. According to Project Engineer George Locher, Jr., "We're already seeing that our estimated annual savings of \$13,000 are on target. The City will recoup its investment in two and a half years."

For more information, contact George Locher, Jr., project engineer, at (888) 429-7283, or Valerie Waxcarr, the City's deputy service director, at (330) 971-8204.

The **South Carolina Energy Office** will celebrate its one-year anniversary in October with four local partners. According to Project Administrator Rick Baldauf, "That's half of our goal of eight partners in two years, and we have three more on the way." The Energy Office has already identified and auditing has begun on over 360,000 square feet of space in the County of Berkeley, City of Charleston and Charleston County Housing Authority. "We are targeting government buildings," Baldauf said, "like city halls, courthouses, a convention center and a 13-story apartment building." The plan, Baldauf says, is to retrofit high energy use buildings as examples, to show the benefits of energy efficiency and train others to expand the program.

For more information, contact Rick Baldauf at (803) 737-8030.

Planning is underway in the **City of Lancaster, Pennsylvania**, for two projects. The 35,000-square-foot Excelsior Hall will be renovated to showcase the adaptive reuse of a historic building. Excelsior Hall is listed on the National Register of Historic Places. An RFP has been sent out to solicit developers interested in carrying out the project. According to Charles Maneval, the City's director of economic development, the second project will be even larger. "A nationally known consultant is beginning work on a strategic plan for downtown and a major north-south corridor," he said. "The City of Lancaster will be looking to Rebuild America for technical assistance." The multiyear project will benefit the Lancaster economy.

For more information, contact Charles Maneval at (717) 291-4779.

Regional Roundup

In the **Boston** region, five partnerships in Connecticut will receive \$150,000 each from Connecticut's Office of Policy and Management. "As soon as the communities receive the grants, they will begin implementing their action plans," says John Ruckes, the Connecticut program representative. The **Town of Cheshire**, for example, will be focusing on the area's booming greenhouse industry. Also in the region, the **Rhode Island Energy Efficiency Partnership** will be weatherizing six publicly assisted housing duplexes. They are co-sponsoring a workshop in October for partners who are also DOE low-income weatherization

assistance providers, with the Boston region and ORNL. According to Christine McKay, regional representative, "We did a status survey of partners this summer, to see how they're doing and where we can provide more assistance."

For more information, contact Christine McKay at (617) 565-9711, or e-mail christine.mckay@hq.doe.gov.

The new **Atlanta Regional Support Office** representative for Rebuild America has big plans for the coming year. Program Manager Yolanda Jones says she will be working closely with existing partners and state energy offices to "identify their needs

and assist in marketing initiatives." A key focus will be on helping partners in the planning phase complete their action plans and begin to implement them. Jones serves as the point of contact for partners, arranging technical assistance and helping with action plan development. She came to Atlanta from DOE's Savannah River office, where she was a general engineer working on pollution prevention initiatives. Joining Jones is Traci Goins, who will also work with partners and the Atlanta RSO as a program representative.

For more information, contact Yolanda Jones at (404) 347-2386, fax (404) 347-3098, or e-mail yolanda.jones@hq.doe.gov.

Calendar

The Remodeler's Show. October 17-19, 1997 in Kansas City, MO. Contact the National Association of Home Builders at (800) 368-5242, ext. 111, or e-mail nahbexpo@nahb.com.

Sustainable Building Technology Conference. October 27-29, 1997 in Seattle, WA. Contact O'Brien & Company at (206) 842-8995, or e-mail obrien@halcyon.com.

1997 Green Building Conference. October 31-November 2, 1997 in Austin, TX. Contact Nick Denner at (512) 264-0004, or www.greenbuilder.com/conference/aus97.html.

Excellence in Building Conference & Exposition. November 5-8, 1997 in Denver, CO. Contact the Energy Efficiency Building Association at (612) 851-9940, or www.eeba.org.

HERSC-FREE '97. November 14-16, 1997 in Indianapolis, IN. Contact the Home Energy Rating Systems Council at (202) 638-3700, or e-mail hers@aecnet.com.

NAESCO Annual Conference. November 19-21, 1997 in New Orleans, LA. Contact NAESCO at 1615 M Street, NW, Suite 800, Washington, DC 20036, or phone (202) 822-0950.

Rebuild America 1998 National Conference. March 10-12, 1998 in San Antonio, TX. Contact Rebecca Penovich of D&R International at (301) 588- 9384, or e-mail rpenovich@aol.com.

Resource Library

Worthwhile Web Sites

Thousands of web sites have information useful to Rebuild America partners. Here are a few that stand out for the breadth or depth of their resources.

Rebuild America



www.eren.doe.gov/buildings/rebuild

The Rebuild America Home Page introduces potential partners to the program, provides a useful on-line application form, and has links to other helpful sites.

EERE



www.eren.doe.gov

The Energy Efficiency and Renewable Energy Network [*Partner Update*, Spring 1997] offers timely news, "Ask an Energy Expert," and information about DOE's Energy Efficiency and Renewable Energy programs and offices.

Solstice



solstice.crest.org

The Center for Renewable Energy and Sustainable Technology provides a wealth of material dealing with energy efficient building practices, discussion groups and software.

The Utility Connection



www.magicnet.net/~metzler/index.html

The Utility Connection provides links to just about everything related to electric, gas and water utilities, including organizations, news, magazines, resources, and federal and state regulatory sites.

BuildNet



www.abuildnet.com

BuildNet connects to over 3,200 pages of building industry resources, companies, links and listings.

Mention of a site here does not confer or imply U.S. Department of Energy endorsement or support.

Rebuild America Partners

137 partners and counting...

ALASKA
Rural Alaskans Conserve Energy

ARIZONA
City of Chandler
City of Tempe
Rebuild Arizona

ARKANSAS
City of Fayetteville
City of Little Rock
State of Arkansas

CALIFORNIA
City of Los Angeles
City of Petaluma
City of San Diego
ReEnergize East Bay Consortium
State of California

COLORADO
Rebuild Colorado

CONNECTICUT
City of Bridgeport
City of Hartford
City of Meriden
City of New Haven
City of Stamford
City of West Haven
State of Connecticut, Hartford
Town of Cheshire
Town of Colebrook
Town of East Hartford
Town of Ellington
Town of Fairfield
Town of Manchester
Town of Newington
Town of Stonington
Town of Vernon

Town of West Hartford
Town of Westbrook
Town of Windham
Town of Windsor
Town of Wolcott

GEORGIA
City of Atlanta

GUAM
Territory of Guam, Tiyán

HAWAII
County of Hawaii
County of Kauai
County of Maui
Hawaii State Public Library System
State of Hawaii

IDAHO
State of Idaho
University of Idaho

ILLINOIS
Chicago Housing Authority
City of Chicago
Stark Metropolitan Housing Authority

INDIANA
Job Source

IOWA
Chamber of Commerce, Des Moines
City of Sioux Center
Hancock County
Ottumwa Area Chamber of Commerce
Rebuild Iowa
City of Webster

KANSAS
SE Kansas Education
Service Center

LOUISIANA
Central Health System, Baton Rouge
City of New Iberia
City of New Orleans

MAINE
Community Concepts Inc
York County

MARYLAND
Chesapeake Sustainability
Historic East Baltimore Community
Action Coalition
Southeast Development Inc
University of MD at Baltimore

MASSACHUSETTS
Center for Sustainable Building
City of Cambridge
City of Newton
City of Springfield
Hampden County
NESEA
Rebuild Boston Energy Initiative
Renewable News Network

MICHIGAN
City of Ann Arbor
City of Berkley
City of Dearborn

MINNESOTA
City of St. Paul / Minneapolis MN

MISSISSIPPI
City of Meridian

City of Natchez

MISSOURI
City of St. Louis
EnergyWorks, The Metropolitan Energy Center,
Kansas City
Missouri Energy Resources Project (MERP)

MONTANA
Montana Partners for Energy Efficiency

NEBRASKA
State of Nebraska

NEW HAMPSHIRE
State of New Hampshire
SW Community Services/Energy & Housing
Collaborative

NEW JERSEY
Bergen County Improvement Authority
City of Newark
Rebuild Camden County
Township of Gloucester

NEW MEXICO
City of Roswell

NEW YORK
City of Albany
City of Binghamton
City of Troy
Energy Services Associates, Inc.
Rebuild New York
Rebuild Western NY

NORTH CAROLINA
Duke University
NC Dept of Commerce, Energy Division

NORTH DAKOTA
State of North Dakota

OHIO
1500 Days, The Central Ohio Energy
Efficiency Project
Alois Alzheimer Center
American Electric Power Service Corp.
CEC Consultants
City of Cuyahoga Falls
City of Kettering
City of Toledo
Comse Energy Managers
J. Rossi Engineering
Kreeger & Associates, Inc.
Lucas Metropolitan Housing Authority
Ohio Dept. of Aging, Columbus
Ohio Foundation for Independent Colleges
SEED Ohio
Stark Metropolitan Housing Authority
State of Ohio

OREGON
PzEz Portland Partners for Energy Efficiency

PENNSYLVANIA
City of Lancaster
City of Binghamton
City of McKeesport
City of Philadelphia
Pittsburgh Housing Authority
State of Pennsylvania, Harrisburg

RHODE ISLAND
Rhode Island Energy Efficiency Partnership

SOUTH CAROLINA
State of South Carolina, Columbia

TENNESSEE
State of Tennessee, Nashville

TEXAS
Brazos Valley Energy Conservation Coalition
EnerSource Capital
State of Texas - Austin
Texas Christian University
Texas City

VERMONT
Burlington Energy Efficiency Project
State of Vermont, Montpelier

VIRGIN ISLANDS
Territory of Virgin Islands, St. Croix

WASHINGTON
City of Richland
Energy Outreach Center, Olympia, WA
Northwest Energy Efficiency Council
Seattle City Light

WISCONSIN
State of Wisconsin

WEST VIRGINIA
State of West Virginia

For information on Rebuild America, please call the Energy Efficiency and Renewable Energy Clearinghouse at 1-800-DOE-EREC.

Partner Update

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Washington, DC 20585-0121



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