

The Rebuild America May 2000 Flash Report

“Good News from America’s Communities”

In This Edition of the Flash Report:

New Partnerships
Native American Tribes Explore Energy Efficiency Opportunities
The Department of Energy and the Environmental Protection Agency Recognize Euclid Elementary School with an ENERGY STAR® Building Label
Rebuild America Featured on the Cover of *Today's Facility Manager*
Energy Team 2000 Exceeds Its Goals at Christmas in April
Energize Muscatine and DEED Scholarship Winner to Investigate Geothermal Possibilities
Energy User News Calls for Award Nominations
Roanoke-Chowan Partnership Used as Case Study and Featured in *NaCo Online County News*
Rebuild New Hampshire Hosts Financial Services Workshop
Financial Concerns of Performance Contracting Addressed at Montana Workshop
Rebuild Fairfield Celebrates Their Environmental Efforts
Chicago Workshop Addresses Performance Contracting in Public Housing
Upcoming Events

New Partnerships

Eight Northern Indian Pueblos Council, Inc., San Juan Pueblo, NM
Rebuild Moscow Community, Moscow, ID
Saving Water & Energy Education Program, Salem, OR
Hamilton County S.E.E.D., Webster City, IA
Rebuild Scotland Public Schools, Scotland, AR
Rebuild Portland Public Schools, Portland, OR
Rebuild City of Idaho Falls, Idaho Falls, ID
Partners for Energy Efficient Redevelopment - Salt Lake City (PEER-SLC), Salt Lake City, UT
Rebuild Hayti, Hayti, NC

Native American Tribes Explore Energy Efficiency Opportunities

As a matter of culture, Native American Tribes have been proponents of the ideas of sustainability, energy efficiency, solar and wind energy and environmental preservation. For the federal agencies that can offer solutions, the challenge has been determining the Tribes’ energy needs. On May 16, 2000, the U.S. Department of Energy (DOE) and the Bureau of Indian Affairs (BIA) offered a one-day energy workshop in hopes of bringing the groups together to discuss energy issues such as housing, economic development, energy entrepreneurship, equitable power distribution and energy-efficient building practices, including Codes and Standards.

The event attracted participants from the Tonto Apache, Yavapai-Apache, Rosebud-Sioux and Northern Ute Tribes and was a complete success. The event opened a dialogue between the Tribes regarding energy issues and provided information about the federal energy programs currently available to the Tribes. Representatives from five federal agencies were on-hand to offer



The Yavapai-Apache Tribe is currently utilizing renewable energy technologies like this photovoltaic system, located at the Tribal day care center.

resources to assist in energy planning. Participating agencies included the Department of Health and Human Services – Administration of Native Americans, the Department of Energy, the Department of Agriculture – Rural Development, the Department of Commerce and the Bureau of Indian Affairs.

During workshop discussions, Tribal representatives stressed the need for long-range planning as opposed to short-term fixes. One Tribal representative pointed out that historically the Tribes have planned seven generations ahead when considering community changes and that these energy issues should be no different. Tribal representatives expressed a desire for energy efficiency education at all levels -- K-12 schools, Tribal energy employees, Tribal policy makers and the general population. Suggestions for training sessions included general energy efficiency, long-term energy planning, utilities and renewable energy sources and their installation and maintenance.

Overall the event was informative and helpful, and in an effort to keep the dialogue open participants agreed that a follow-up workshop should be held in six months' time. Rebuild America would like to extend a special thanks to the Yavapai-Apache Nation for their hospitality during the event, which was held at the Administrative Complex in the beautiful Verde Valley. For more information about the event or to be included on the mailing list for the follow-up meeting, contact Paul Johnson at 206/553-2154 or email at paul.johnson@ee.doe.gov

The Department of Energy and the Environmental Protection Agency Recognize Euclid Elementary School with an ENERGYSTAR® Building Label



Pictured in front of the award-winning elementary school are (L-R): Ron Ottinger, San Diego School Board Member; Kurt Kammerer, Executive Director, San Diego Regional Energy Office; Robert Gee, Assist Secretary for Fossil Energy; Mitzi Merino, Euclid Elementary School Principal; Henry Hurley, Chief Administrative Officer, San Diego City Schools; and Ed Lopez, President, San Diego School Board.

At the San Diego, California Unified School District's Euclid Elementary School and surrounded pupils, their parents and teachers, the Assistant Secretary for Fossil Energy, Robert Gee, announced that the Department of Energy (DOE) is providing \$4.7 million in State Energy Program grants, much of which will be used to lower energy costs and upgrade the energy efficiency of America's classrooms.

"The students, teachers and administrators of Euclid Elementary School, and other schools around the country, will benefit for years to come from the improved lighting, comfort and performance of their school buildings," said Assistant Secretary Gee. "We can save \$1.5 billion in America's schools by using energy efficiency as a tool for improving learning conditions for our kids."

Joined by Superintendent of Schools, Dr. Alan Bersin, and San Diego Mayor Susan Golding, the Assistant Secretary awarded students, teachers and administrators with the ENERGY STAR® Buildings Label for the school's exceptional

energy performance. Schools that rank in the top 25 percent for energy performance and meet indoor environmental quality standards are awarded the distinction. ENERGY STAR® is the national symbol for energy performance and is a registered trademark of the Department of Energy and Environmental Protection Agency.

The district has been at the forefront of a national movement to improve student achievement by providing students and teachers with supportive classroom learning environments. A recent \$216,000 investment to improve Euclid Elementary School has already resulted in the school's electric bill dropping by 40% and

energy consumption falling 28 %. Although the size of the elementary school has increased and utility rates have risen, the school has managed to trim its utility bill by \$20,000 per year.

The investment is part of a recent capital project that will save the United School District \$5.5 million in annual utility and maintenance costs. San Diego voters also recently overwhelmingly approved a \$1.51 billion program to repair and renovate 167 schools and build 14 schools in the school district - the largest bond measure in the city's history. For more information about the event, contact John B. Townsend at 202/586-5806.

Rebuild America Featured on the Cover of *Today's Facility Manager*

The highly effective partnership between Rebuild America and the Building Owners and Manager's Association International (BOMA) is now front -page news! The story of their collaboration, written by Ron Shelton and Doug Hinrichs, both of Rebuild America, has made the front page of the April 2000 edition of *Today's Facility Manager*. The article focuses on Stewart Huey, executive vice president of BOMA Atlanta, who is convinced that commercial facility managers can slash energy waste by adopting energy-efficient technologies and practices. Huey, along with Rebuild America, Oak Ridge National Laboratory (ORNL) and the Energy Alliance Group (part of BOMA Atlanta) have embarked on an international energy bench-marking project using sophisticated metering. The project studies the economic benefits of retrofits by providing energy profiles of 65 of the Alliance's larger buildings to ORNL for more accurate data.

The project includes evaluation of metered data and enables facility managers to learn about energy use patterns, peak demands, avoided costs and the dollar and value of energy efficiency. Participating facility managers can access the data on a password-protected Web site and can determine which, if any, energy-efficient retrofits should be performed. The project also makes provisions for retrofit financing through a secured credit line -- up to \$100,000 -- with Academic Capital Group, Inc., a Rebuild America Business Partner.

For more information and the full story, see the April 2000 edition of *Today's Facility Manager*. For additional information about BOMA Atlanta, visit their Web site at www.boma-atlanta.org.

Energy Team 2000 Exceeds Its Goals at Christmas in April

Last month, the *Flash Report* brought you the story of Energy Team 2000's energy efficiency efforts in coordination with the national Christmas in April campaign. The final results of their hard work are in and the event reaped greater rewards than expected. Originally, Energy Team 2000's goal was to save an average of \$60 per home per year. After evaluation of the energy efficiency measures installed, it seems that the team saved each home an average of \$106 per year. The lifetime savings of all these efficiency measures comes to more than \$78,000!

The event took place on April 29, 2000, when the team mobilized hundreds of volunteers to make more than 100 area homes more comfortable and affordable for low-income, disabled or senior citizens by installing energy-efficiency improvements. Television Channel KGO News 7 filmed the team implementing several energy efficiency measures, including adding a new CFL to a porch light, caulking cracks and installing a water heater blanket. The story was then featured during the evening news.



Neil McGaraghan, of Energy Team 2000, installs pipe insulation as part of the group's Christmas in April efforts.

Energy Team 2000, a Rebuild America partnership, is comprised of five San Francisco Bay Area Christmas in April organizations. Energy Team members and supporters include: John & Constance Chambers of Los Altos Hills, CA; Del Co Energy Services of Kenosha, WI; California Water Service Company of San Mateo,

CA; East Bay Municipal Utility District of Oakland, CA; JKRL USA of Casselberry, FL; Tim Sears of Corte Madera, CA; Habitat for Humanity of Concord, CA; RSA Supply of Rancho Cordova, CA; and the Rebuild America program. Due to the generosity of these sponsors, Energy Team 2000 was fortunate enough to have a surplus of donated supplies and was able to stockpile supplies for next year's projects.

Check out the Energy Team 2000 website at www.pstvnrg.com/xina/team2k.html to see more detailed results and team pictures. For additional information or to volunteer to participate in Energy Team 2001, contact Dr. Lisa Gartland at 510/595-PNRG or email her at lisa@pstvnrg.com.

Energize Muscatine and DEED Scholarship Winner to Investigate Geothermal Possibilities

Energize Muscatine is making use of a national scholarship program to investigate a renewable energy application for a local school building. Each year, the American Public Power Association's Demonstration of Energy-Efficiency Developments (DEED) program awards up to ten \$4,000 scholarships nation-wide to college or university students for research projects. Kevin Braun, a University of Iowa student studying Mechanical Engineering, recently received one of these scholarships to work with the Energize Muscatine program.

Braun will use the scholarship to study the potential use of a reserve water supply located near West Junior High in Muscatine as the source for water for a geothermal heat pump heating and cooling system at the school. He will work closely with personnel at Muscatine Power & Water, the Muscatine Area School District, engineering faculty at the University of Iowa and geothermal organizations and vendors. The study will begin this fall and will be Braun's senior project at the University of Iowa. Based on the results of the study the school district will consider the installation of such a system.

DEED scholarships are intended to promote the involvement of students studying in energy-related disciplines in the public power industry, and to provide host utilities with technical assistance. Successful applicants conduct research on a project approved by the sponsoring utility and submit a final report on the project, describing activities, cost, bibliography, achievements, problems, results and recommendations.

The City of Muscatine joined the Rebuild Iowa program in January 2000. Since then an Advisory Committee has been established and meets regularly to plan and promote Energize Muscatine, as the program is known locally. To date, \$387,712 in improvements have been identified, with annual savings of \$81,930.

For more information on Energize Muscatine, contact John Root at 319/262-3354 or email at jroot@mpw.org.

Energy User News Calls for Award Nominations

Energy User News is soliciting nominations for its annual awards program, which recognizes energy efficiency projects in non-residential buildings located throughout North America. Winning installations will be announced and profiled in case histories in the December issue. Awards will be presented at a breakfast awards ceremony held in conjunction with the World Energy Engineering Congress in Atlanta in October.

The awards recognize innovations in building management and energy efficiency, in either retrofits or new construction, which provide unique building management solutions and also achieve energy savings. To be eligible for the 2000 competition, projects must have entered service no earlier than May 1, 1999, and have actual operating data from at least three consecutive months. Categories include both specific technology applications and overall building efficiency. In addition to category winners, an award for Energy Manager of the Year and Certificates of Merit awards will be given.

Projects will be judged on the basis of payback; annual dollar savings; percent reduction of annual energy bill; annual energy unit savings; percent reduction of annual Btu usage; return on investment; environmental benefits in addition to reduced energy usage; integration of energy-efficient technologies or strategies; other building management benefits or solutions; and innovations in design, strategy, or financing.

Nominations are due by August 15, 2000, and submissions should include an official nomination form (copies and attachments are acceptable) and an entry fee \$179 per submission. For further information, contact Kevin Heslin, editor of *Energy User News* at 518/731-7311 or email him at kevineun@earthlink.net

Roanoke-Chowan Partnership Used as Case Study and Featured in NACo Online County News

The Roanoke-Chowan (North Carolina) Rebuild America partnership was featured in the May 1, 2000 edition of the *NACo (National Association of Counties) Online County News*. The on-line article highlighted that partnership was included as a case study in discussions at an energy management strategies workshop that was recently held in Georgia. Thirty-eight county officials representing eighteen counties, along with representatives from Department of Energy (DOE), Georgia Power and the Georgia state government attended the workshop to learn more about cost-effective methods and tools, such as DOE's ENERGYSTAR® Purchasing Tool Kit, which assists users in implementing an energy conservation program.

The Roanoke-Chowan partnership's featured project, located in Murfreesboro, NC, focused on energy savings through lighting improvements using efficient T-8 lamps and electronic ballasts. This workshop was sponsored by NACo and the Association of County Commissioners of Georgia, with support from the DOE and the Environmental Protection Agency. Due to the overwhelming success of the workshop, there are plans to hold another in June in the Midwest region. To learn more about the workshop, go to <http://www.naco.org/pubs/cnews/current/csnews.htm>

Rebuild New Hampshire Hosts Financial Services Workshop

The New Hampshire Governor's Office of Energy and Community Services, the WasteCap Resource Conservation Network (a project of the Business and Industry Association of New Hampshire) and Rebuild America held a financial services workshop on May 11, 2000 in Derry, NH. Workshop attendees included energy managers from public and private building owning organizations, energy service companies and the local utility.

Merlise O'Connor, Deputy Director of New Hampshire Governor's Office of Energy and Community Services, opened the meeting and Greg Davoren, the Rebuild America Team Leader for the Boston Regional Office, presented an overview of Rebuild America. Michael Army, Rebuild staff member, provided training and facilitated the remainder of the workshop. Mike Pais of the New Hampshire Governor's Office of Energy and Community Services described New Hampshire's program for using performance contracting to upgrade state owned buildings. Neil Zabler, an ENERGYSTAR® program representative from the Environmental Protection Agency, made a presentation on master leases and lease purchase financing.

As a follow-up to the event, Rebuild America Financial Services will work with Rebuild New Hampshire to assist them in developing a statewide procurement process for ESCO services that will be available to all local government organizations and schools in the state. For more information on the workshop contact: Kirk Stone, New Hampshire Governor's Office of Energy and Community Services, at 603/271-2676 or Michael Army, Rebuild America Financial Services, at 608/255-0988.

Financial Concerns of Performance Contracting Addressed at Montana Workshop

On May 2, 2000, a Rebuild America Financial Services Workshop on Performance Contracting was held in Helena, Montana. The event was hosted by the Montana Energy Office, Montana Department of Environmental Services and attended by building owners and facility managers. The program included representatives from Rebuild America Financial Services, the Montana Power Company, a performance contractor and institutions who had utilized performance contractors in the past. The workshop explored financial issues specific to Montana, including discussions about instituting a statewide procurement of performance contracting and financial services that would be available to all government organizations. For more information about this event, contact Toby Benson at 406/444-6758 or Georgia Brensdaal at 406/444-6750 of the Montana Department of Environmental Services. For more information about Rebuild America Financial Services, contact Michael Arny at 608/255-0988.

Rebuild Fairfield Celebrates Their Environmental Efforts

The Rebuild Fairfield partnership took part in the town's "Partnership for A Healthy Environment" celebration on May 20, 2000. This one-day fair honored the many innovative environmental activities of the town and its partners. These environmental efforts are dramatic and their successes are measurable. The town has addressed issues such as open space acquisition, energy management, water pollution control improvements, wetlands management, alternate fuel vehicles, local electric generation, solar-powered initiatives and energy education programs will be featured. For more information about the event, contact Cara Applegate at 646/486-6601.

Chicago Workshop Addresses Performance Contracting in Public Housing

A three-day workshop on performance contracting for public housing authorities was held in Chicago on May 1-4, 2000. Rebuild America and the National Association of Housing Redevelopment Officials (NAHRO), a Rebuild America strategic partner, co-hosted the event with the Illinois Office of the Department of Housing and Urban Development (HUD). The workshop outlined implementing performance contracting using HUD guidelines. Representatives of Stark Metropolitan Housing and the Pittsburgh Housing Authority, both Rebuild America partnerships, were in attendance. Six energy services companies, three HUD staff members and eight public housing authorities, also attended the workshop. For more information on this event, contact Mark Ternes at 865/574-0749.

• • Upcoming Events • •

Rebuild Central New Mexico and the Youth Conservation Corps launch project at the Third Annual Summer Solar Music Festival

On June 24-25, 2000, the Third Annual Summer Solar Music Festival will be held in Taos, New Mexico. During this event, a ceremony will launch the joint project between Rebuild Central New Mexico and the Youth Conservation Corps. The project teaches students to assess energy use at their schools and conduct initial changes to facilitate those energy savings. In addition to receiving an award, radio station KTAO - which is powered by a 50kW photovoltaic system - will also broadcast the Solar Music Festival over its airwaves.

The event is expected to attract 2,000-5,000 attendees, including the news media and leaders and members of the Taos pueblo, and will focus on renewable energy and energy efficiency in an entertaining environment. Contact Peter Alexander at 505/751-9127 for additional information.

Free Performance Contracting Training Session in Appleton, Wisconsin

One of the country's most innovative energy efficiency programs is shaping the way Wisconsin's performance contractors do business. Wisconsin FOCUS ON ENERGY's Energy Efficiency Performance (EEP) pilot program will spend more than \$4 million to encourage energy efficiency providers to expand their energy efficiency upgrades. The program is designed to encourage technical and business innovation among multiple service providers – lighting and HVAC contractors, energy services companies, architecture and engineering firms, and manufacturers and distributors of energy-efficient products. Because the program allows for a wide variety of technology upgrades, end-use customers can determine the combination of upgrades that makes economic sense in their facilities.

As part of its training and outreach efforts, EEP invites all energy efficiency service providers to attend a training workshop in Appleton, Wisconsin, on May 25 from 9:30 a.m. until 3:30 p.m. Topics include: How EEP Can Help Service Providers Grow Their Business; How to Become an EEP Sponsor; Measurement and Verification; Contract Design and Risk Management for Performance Contracts; and Facilitating Project Financing for Customers.

For more information about the EEP Program, visit their web site at www.wifocusonenergy.com or call 800/KW-THERM. For more information about the workshop, contact Bobbi Mueller at 414/284-4003.

Keep us informed:

We hoped you enjoyed reading the latest edition of the Rebuild America Flash Report. This report is delivered via e-mail or fax to all Rebuild America program team members, the main contacts of all Rebuild America partnerships and key energy and environmental media. The Flash Report is fast becoming a practical resource for partnerships and other Rebuild America contacts to keep up to date with the many events and occurrences across the nation that affect the program.

Please share your news with us! Subscribe to the Flash Report and let your colleagues know what you are up to by submitting material for the Rebuild America Flash Report. It's easy - contact Anita Denning at D&R International by phone: 301/588-9387, fax: 301/588-0854, or e-mail at adenning@drintl.com

Remember, no story is too big or too small. We'll feature your news, and then send it to hundreds of individuals who are curious about what's new and innovative in Rebuild America communities. There is always room for another story!

Check out the newly redesigned Rebuild America website for more news, tools, contacts and an event calendar at:

www.eren.doe.gov/buildings/rebuild/

Note: Be sure to include your name and contact information with any Flash Report submissions. Information used in the Flash Report may be included in Rebuild America weekly reports to the U.S. Department of Energy.