

Customer News

ENERGY EFFICIENCY



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The New Green Motor Initiative

What happens when a motor fails? When a motor fails, the user or owner faces three choices: to rewind the coils within the motor to a lower efficiency, to rewind and maintain the original nominal efficiency, or to replace it with a new motor. If the motor rewind resulted in the motor's maintaining its original nominal efficiency, it is commonly called a green rewind.



Quality rewinds improve motor reliability and sustain motor efficiency

The Green Motor Initiative – BPA has contracted with the Green Motor Practices Group (GMPG), a non-profit corporation directed by highly experienced motor maintenance professionals, to acquire kWh savings achieved through green rewinding. GMPG educates and trains motor service centers on effective rewinding practices and certifies that shop practices and equipment are capable of producing successful rewinding results. GMPG also provides a means to verify and capture these savings.

BPA Industrial Lead Jennifer Eskil said, "The Northwest is breaking new ground by offering the nation's first motor rewinding incentives."

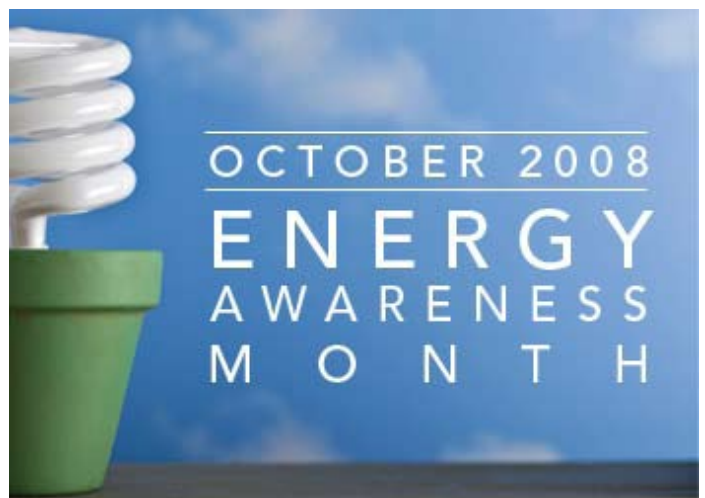
In the Northwest, GMPG has already signed more than 20 percent of all service centers that rewind motors, with new members joining weekly. BPA has determined that each service center providing green rewinds will save approximately 146,000 kWh annually.

kWh savings will be attributed to each participating utility, so contact your Energy Efficiency Representative to sign up today.

–Jillianne Welker (503) 230-3934

Energy Awareness Month

October is National Energy Awareness month and a great time to focus on helping your customers become better educated and more committed to energy efficiency. BPA has developed a portal to provide tools for utilities to use to help spread the message about energy efficiency. The portal at www.bpa.gov/corporate/eawareness.cfm provides information and links for learning more about Energy Efficiency's programs and tips on how to conserve more energy. There is also access to energy efficiency Public Service Announcements (PSA) and instructions to provide the PSAs to your local radio station.



Refrigerator and Freezer Recycling Programs Get a Boost: More Energy Savings and Increased Reimbursement

The Regional Technical Forum (RTF) recently re-evaluated and increased the estimated energy savings attributed to refrigerator and freezer recycling. Tom Eckman of the RTF reports that, "The increase in savings resulted from the revision to the average age of the appliance being recycled." The RTF also recommended expanding the specification to include units down to 10 cubic feet. (Previously, qualified units had to have at least 14 cubic feet of capacity.).

Mary Smith, Snohomish County PUD, remarked, "Snohomish was the first utility in the region to offer this [refrigerator recycling] program, and now we have had it in the field for four years, since 2004. It has been successful in getting older and significantly less efficient refrigerators off of our system, and provides a valuable customer service to demonstrate responsible recycling at end of life. JACO opened a recycling center in Everett and uses state-of-the-art equipment as part of the recycling process."

In response to the increase in energy savings and rising transportation (fuel) costs associated with this measure, BPA has increased the credit/reimbursement for Refrigerator and Freezer Early Retirement and Recycling from \$85 to \$125 per unit, effective October 1, 2008.

—Sarah F. Moore (503) 230-4157

The BPA Energy Efficiency newsletter is published quarterly on or about the first day of the months of January, April, July, and October. Send contributions to Carrie Nelson, KLJB-1, Bonneville Power Administration, P.O. Box 3621, Portland, OR 97208, or e-mail your ideas/articles/photos to eenewsletter@bpa.gov.

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Idaho County Light and Power: Reaching Their CRC Goals



In some situations it is challenging for small, rural and mostly residential BPA customer utilities to spend their full three year Conservation Rate Credit (CRC). In

light of that, Idaho County Light & Power (ICLP) in Grangeville, Idaho, is a utility success story.

As a small utility purchasing less than 7 aMW from BPA in the Conservation and Renewables Discount Program, ICLP had no obligation to implement conservation programs. With the pending CRC, Idaho County Light & Power was nervous about spending \$72,000 over a three year period. The utility has no dedicated conservation staff and little conservation experience. Its service territory is mostly unincorporated areas of rural Idaho County and southern Lewis County where the Camas Prairie and Nez Perce National Forest converge. The utility serves virtually no industrial load, and only a handful of commercial accounts.

Before the CRC began, ICLP General Manager Jake Eimers participated in a Small Utility Workshop conducted by the Energy Efficiency staff in BPA's Spokane office. Staff explained the CRC portfolio and suggested measures that were easy to administer and could work in the attendees' respective service territories. ICLP decided to provide incentives for ENERGY STAR appliances, manufactured homes, CFLs and water heaters. The utility would monitor activity closely and make an early exit if necessary. When Energy Smart Grocer was offered, ICLP signed up. Occasionally, a qualified contractor had to drive several hours to install a heat pump. These programs weren't enough and ICLP was required to write an action plan on how it planned to spend remaining CRC funds.

The utility expanded offerings and contracted for refrigerator/freezer decommissioning, purchased some renewable power from BPA, handed out multiples of CFLs at its Annual Meeting and encouraged members to request showerheads. The final impetus came when ICLP, in conjunction with Niagara Conservation, conducted a direct mail of five CFLs to each of its approximately 2,400 residential customers.

In Sept. 2008, with a full year left in the rate period, ICLP has commitments for its full CRC. In fact, ICLP needed additional funding and requested a Conservation Acquisition Agreement (CAA) budget to continue its conservation programs. Like the little engine that could, ICLP's success comes from steadfast efforts of the general manager, a supportive utility board and a desire to accomplish a goal. According to Jake, "With the help of the Spokane EE staff, we have found ways that work for us and that bring our members the benefits of the program."

– Rosalie Nourse (509) 625-1368

BPA's Change a Light Program Continues to Evolve

It has been a busy and productive summer for the BPA's Change a Light (CAL) program. The team has been diligently reaching out to expand the program by developing relationships with new utilities, retailers and manufacturers.

Improvements to the CAL program were inspired largely from the helpful feedback offered by utilities. Some utilities had expressed various concerns about program participation, such as CFL bulbs going out of their service territory after they had subsidized the costs, or not having participating retailers that were close enough in proximity to their customers. In response to these concerns a bulk purchase feature was added to the program, allowing utilities to purchase the bulbs in any quantity over 200, and distributing them in ways appropriate to their needs and the needs of their customers. A direct mail feature is also in the pipeline, which will help utilities penetrate areas that are harder to reach by shipping the bulbs directly to households.

In addition, Change a Light has taken huge steps in strengthening the program's brand within an increasingly crowded specialty bulb market. The program continues to update existing point of purchase (POP) materials, and recently introduced a home improvement campaign that educates consumers on which bulbs to use when working on a variety of home improvement projects.

Change a Light is also thrilled to launch its Web site: www.changealightnw.com. The Web site is an extremely user friendly resource, and will be integral



in educating consumers and recruiting new utilities to join the program. It also provides useful resources for participating utilities and provides a forum for utility collaboration. Visit the new Web site at: www.changealightnw.com

—Lisa Perigo (503) 230-3059



More Options Emerge for CFL Recycling

CFL recycling is becoming convenient for customers who are looking for drop-off locations.

Home Depot now offers compact fluorescent light (CFL) recycling in all of their United States stores. Customers can bring expired, unbroken CFLs to any Home Depot location. The bulbs will then be turned over to an environmental management company to be transported, recycled and packaged in compliance with environmental standards. Additionally, utilities can participate by having their logo placed on the recycling containers for a one-time fee of \$300.

CFL recycling is part of Home Depot's "Eco Options" program. First launched in 2007, Eco Options allows customers to choose products that have a low impact on the environment.

—Carrie Nelson (503) 522-9963

AirCare Plus: Energy Efficiency for Rooftop HVAC Systems

BPA conducted a small scale pilot of the AirCare Plus program this summer. The pilot is operated by Portland Energy Conservation, Inc. (PECI), who has been operating the AirCare Plus HVAC Rooftop Unit Retro-Commissioning service in the Avista service territory for several years. BPA saw an opportunity to extend this program to several public utilities adjacent to the Avista territory. Participating utilities included the City of Cheney, City of Chewelah, Kootenai Electric Cooperative, Inc. and Inland Power & Light Company.

The two goals for the pilot were to test the operation of the program and to monitor and verify the energy savings which will be presented to the Regional Technical Forum (RTF). To date, there has been very limited field metering of kWh savings from AirCare Plus and similar programs. If this pilot proves to be cost-effective, it could potentially become a measure offering.

AirCare Plus is specifically designed to improve the efficiency of rooftop HVAC systems using a handheld device. Contractors pre-check rooftop HVAC units using the handheld devices and, based on the recommendations for the device, the rooftop is serviced and then checked again. The handheld devices allow for web-based quality control and savings reports to be generated. Several services are pre-approved at no cost to the building owner, including refrigerant charge, economizer commissioning, coil cleaning (both evaporator and condenser), airflow adjustments and programmable thermostats. For additional services the contractor may negotiate with the building owner for payment or may inform the building owner of the needed service, allowing the regular service contractor to perform the work.

For the research pilot any business served by a participating utility, with a rooftop unit between 3 and 60 tons, can receive AirCare Plus services from DRS Mechanical Corporation. Building owners who participate in the AirCare Plus project will get their rooftop unit serviced, funded through their serving

utility, and will benefit from the resulting energy savings which are expected to persist for up to five years. Two of the most common AirCare Plus services, refrigerant charge and economizer commissioning, average 6,000 kWh of cooling savings for a 10 ton unit.

This program was conducted under BPA's Direct Acquisition. The participating utilities opted for Consent Agreements prior to the start of work.

Despite a very tight timeline required to catch the last hot days of summer, the pilot has met its goals for total number of units serviced. Over the course of two months just over 60 rooftop units were tested. Of those, 27 units were metered for energy use, with almost all having at least 2 weeks pre-service and 2 weeks post-service metering data.

The next step for this pilot project is to analyze the data collected in order to determine the energy savings for the group of monitored units. BPA plans to use this information to perform additional field testing in the summer of 2009.

For more information on the AirCare Plus Retro Commissioning Project, contact Jack Callahan at (503) 230-4496.



AirCare Plus contractor (in background) servicing a packaged rooftop unit.

Flathead Taps Energy from the County Landfill

Flathead Electric Co-op and Flathead County Public Works have joined together in a biomass project at the county landfill. The landfill gas-to-energy project will be installed and operated by SCS Energy Engineering and is expected to begin operation in 2009. The project was made possible through Clean Renewable Energy Bonds awarded to Flathead Electric in the amount of \$3.5 million.

"We applied for CREBS because biomass fits the criteria of our renewable energy portfolio," said Flathead Electric General Manager Ken Sugden. Sugden initiated the project after asking how the landfill disposed of the methane gas produced.

"Initially we anticipate generating enough electricity to serve up to 900 households" said Flathead Electric Director of Energy Services Ross Holter. Public Works Director Dave Prunty added, "It's a remarkable opportunity because although the county landfill is the fourth largest in the state, it pales in size compared to others across the country. Installing these systems at smaller sites isn't ordinarily cost-effective."

Methane is a greenhouse gas that results from decaying garbage and is 21-times more potent than carbon dioxide. To stay in compliance with environmental mandates, landfills are required to prevent methane from escaping into the atmosphere or leaking into groundwater under a landfill.

Two common ways to recover landfill gas are vertical extraction wells and horizontal collectors. The most commonly used is the vertical extraction well, which is the case for Flathead County's 24 wells. Wells are drilled into the landfill at specified intervals and pipes that have perforation in the lower section are dropped into the holes.

Currently the Flathead Landfill utilizes a vacuum system to draw the methane from the waste within the landfill, which is then burned in a flare system.

The new biomass process will capture and filter the gas to remove liquid and particulates, then burn it in a 20-cylinder engine. The burning methane will drive a 1.6-megawatt electric generator connected directly to Flathead Electric's distribution system. The existing gas supply has an estimated 45-year horizon.

Jim Chilton, the landfill's operations manager, stresses that this project makes sense on a number of levels. "We already have the infrastructure in place, and instead of destroying the methane, it will be put to good use."



The Flathead County landfill, which accepted 128,000 tons of solid waste in 2007, is the state's fourth largest.

Holter says he expects the biomass project to pay for itself in about 15 years, and likens it to the ultimate in recycling. "In essence, everyone's trash will become everyone's treasure."

Read the complete article in the Flathead Electric Co-op August newsletter, "Flathead County Discovers Power of Trash" by Karl Puckett, Tribune Staff Writer.

—Carrie Nelson (503) 230-4785

Vineland Cemetery Saves Energy While Keeping Their Grounds Green

Vineland Cemetery in Clarkston, Wash. is installing an automated irrigation system as part of an energy efficiency project. Asotin County Public Utility District spearheaded the project supported by federal, state and local agencies. The system is expected to reduce water usage by up to 50 percent, for savings of over \$5,000 a year. Other benefits of the project will include automated underground sprinklers that will improve the appearance of the cemetery and reduce labor costs. The sprinklers will be connected to sensors that can detect when there is not enough

water in the ground, and will run the sprinklers only when necessary. BPA committed \$5,000 to Asotin PUD to run the project, which also received a grant through the Department of Ecology Watershed Program and other private donations and fundraising projects.

The complete article can be found in the *Lewiston Morning Tribune*.

–Carrie Nelson (503) 230-4785

Vineland cemetery is over 100 years old and resides in Clarkston, WA. The cemetery's new equipment includes 2,000 feet of water main, approximately 12,000 feet of pipes, 250 sprinkler heads and an automated sprinkler system.



Energy Smart Design™ Informational Conference Calls

ENERGY
SMART DESIGN

Utilities are encourage to invite developers, builders, architects, engineers and others

involved with new commercial building design to sit in on monthly Energy Smart Design™ – Office informational teleconferences. The calls are on the first Thursday of each month from 1-2 p.m., phone number (888) 622-5357, passcode 491950. Registration is not required.

The Energy Smart Design™ – Office program offers financial incentives for owners of buildings up to 100,000-square-feet in size when they incorporate

specific energy-efficient measures into their building design and construction. The package of measures eligible for incentives includes:

- High-efficiency cooling systems
- High-performance windows
- Enhanced economizer
- Integrated design of HVAC system
- High-performance lighting and lighting controls

To learn more how you can encourage your customers to save energy and get cash incentives for building a better environment, visit www.bpa.gov/ESD or contact Mira Vowles, (503) 230-4796, mkvowles@bpa.gov.

Agricultural Energy Efficient Workshop a Success

BPA successfully initiated the Agricultural Energy Efficient Workshop on Sept. 18 at Walla Walla Community College, Walla Walla, Wash. The purpose of the workshop was to bring together farmers and organizations that promote energy efficiency. In addition to the farmers, other participants in the workshop included public utilities served by BPA, Pacific Power, Walla Walla Conservation District, USDA, Natural Resources Conservation Services, Washington Department of Agriculture, Oregon Department of Agriculture, professors and field researchers from Washington State University, irrigation professors from Walla Walla Community College and various irrigation-related vendors and stakeholders.

The goal of the conference was to help farmers and other stakeholders learn about new agricultural technologies that conserve energy and water. BPA VP of Energy Efficiency Mike Weedall gave a challenging and informative kick-off speech. The farmers were urged to work with their local utility to implement the agricultural energy efficient programs that BPA offers through their utilities. In addition, the US Department of Agriculture, local conservation districts and state agricultural departments gave presentations about programs that are available to educate farmers on how to conserve water and become more energy efficient.

Approximately 90 people attended the conference. Kate Painter, PhD from Washington State University, showed the farmers how to use the university's web-based cost calculator to help forecast the profitability of their crops given the recent fluctuation

in commodity input prices. Kent Madison, a third-generation farmer from Oregon, gave an inspiring keynote address on how his farm was using



Linda Bettencourt, a COTR from Walla Walla (left) and Nancy Vacca, a COTR from Spokane (Right), assisted at the workshop.

innovative methods to improve energy efficiency, conserve water, grow biofuel crops, develop wind energy and recycle compost. After the classroom session there were agricultural field and vineyard technology tours.

Due to the interest in this type of workshop BPA has decided to hold similar workshops around the region. If your utility is interested in having an Agricultural Energy Efficient Workshop, please contact Boyd Wilson, EER Agricultural Team Liaison at (509) 527-6217.

–Boyd Wilson, (509) 527-6217



Resource Guide for Rural Households, Businesses & Farms.

A new publication, *The Navigator: Rural Oregon's Guide to Saving Money and Energy*, will be distributed throughout rural Oregon households in January 2009. The publication provides a comprehensive source for information about saving money through energy efficiency, conservation and renewable energy systems. The 44-page resource guide will provide a cost-benefit breakdown of potential savings with examples from the hypothetical "Johnson family," thereby providing a clear idea of how real-life investments might pay off for rural Oregon households, businesses and farms.

The real beauty of the resource guide is the compilation of the numerous tax credits, incentives, rebates, grants and loan programs that are available to help support investments in energy efficiency and renewable technologies. *The Navigator's* user-friendly format presents the many programs available at the state level including Oregon's Residential and Business Energy Tax Credits, the Oregon Department of Energy, Energy Trust and local utilities. Federal-level tax credits and incentives are primarily available through the ENERGY STAR Program and the USDA's numerous rural development grant programs.

Through a combination of organizational partnerships, direct mail and a complementary Web site, *The Navigator* will ultimately reach more than 200,000 rural Oregonians. This exposure presents a unique opportunity for utilities and other entities to promote their programs across residential, business and agricultural sectors, thereby providing a unique way to enhance energy efficiency program involvement throughout the state.

The Navigator is being created by the Farmers Conservation Alliance (FCA), a nonprofit organization based in Hood River that works to develop resource solutions for rural communities throughout the Pacific Northwest. FCA addresses energy and water issues through new technologies, outreach programs and innovative solutions. The nonprofit has also worked hard to include all relevant incentive programs, utilities, retailers and contractors. Please contact them if you have a program or business that may be of interest to the FCA. Advertising space is available but

limited. For more information visit the FCA Web site, www.fcasolutions.org.

–Julie O'Shea, julie.oshea@fcasolutions.org

Energy Efficiency Measures Reduce Waste in Agricultural Applications

There are several ways to achieve energy savings and waste reduction in the agricultural sector. There are also many resources available to help with energy efficiency improvements including financial incentives, audits, case studies, analyses and screening tools. Some of the programs that are available around the region that capture savings include:

Scientific Irrigation Scheduling (SIS) - Rebates are available for SIS. SIS helps farmers know exactly when and how much to irrigate crops through a system that monitors weather and soil moisture data. In addition to reducing energy costs for pumping water, SIS conserves water and reduces fertilizer use and run off.

Installing efficient hardware - Rebates are available for energy-efficient hardware improvements such as installation or replacement of pressure regulators, nozzles, sprinklers and gaskets.

Retrofitting pumps and motors - Pump/motor improvements in the irrigation sector are based on system audits and interactive measure calculations. Motor replacements are assumed to be in lieu of rewinds or at a time of failure.

Lighting - BPA reimburses a portion of the cost of new, high-efficiency lighting measures in existing and new agricultural construction.

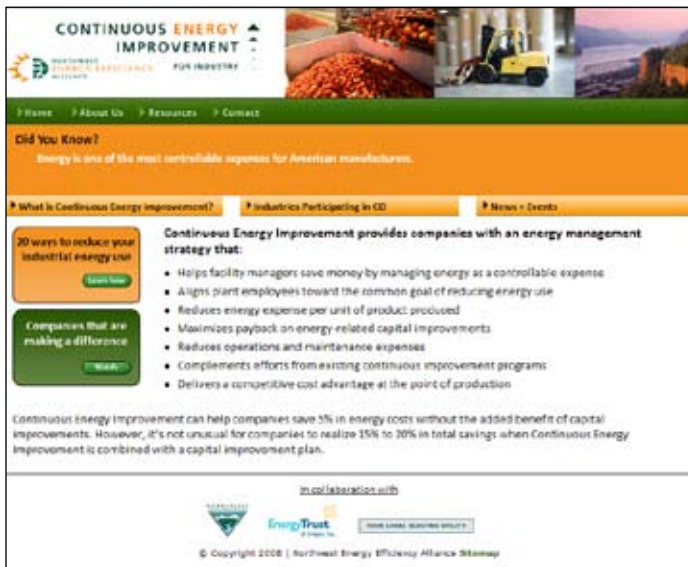
Transformer de-energization - BPA provides credits or reimbursements to customers for Transformer De-energization (TRX) in agricultural applications. TRX projects must be submitted as Custom Projects. A standardized measurement and verification plan is available on the PTR Web Site.

–Steven Fucile (509) 625-1395

Industrial Customers Now Have Two New Web Tools

Continuous Home Improvement Web site

The Northwest Energy Efficiency Alliance launched a new Web site, www.energyimprovement.org, to help industrial customers learn how they can save energy and five percent of their energy costs. The Continuous Energy Improvement (CEI) Web site explains the benefits of CEI, including how the customer can



realize increased energy savings by combining CEI with a capital improvement plan they develop in conjunction with their serving utility. The CEI and capital improvement plan can boost energy savings to approximately 15 percent to 20 percent.

Key features of the site include:

- An interactive model of how CEI works
- Video testimonials from CEI participants
- Industry overviews
- News and events
- Helpful links and resources

The Regional Industrial Training Calendar remains available at <http://industrialefficiencyalliance.org/training.html>.

–Sharon Peterson, NEEA Marketing Manager,
Industrial Sector (503) 827-8416 x244

Technical Services Proposal (TSP)

Enhanced Portal: Better Than Ever for Proposing Projects

The Bonneville Power Administration TSP enhanced portal is now available for project submissions in the industrial, commercial and agricultural sectors. You can access the on-line portal at www.bpa.gov/tsp.

Some of the new features include:

- Added security with Login and Password protection
- The option to select a specific sector when requesting technical services
- The ability to start, save and return to a proposal at a later time
- The option to save contact information in the system for future proposal submissions
- The ability to view the status of all newly added proposals, as they move through the TSP Portal.
Note: this does not apply to proposals transitioned from the old Portal
- Individual Web pages for each sector (agricultural, industrial and commercial), which include Frequently Asked Questions, marketing materials (when available), links, resources and a list of contracted TSP Consultants.

For questions, assistance, or a demonstration, contact Jennifer Wood at (509) 527-6230 or email jlwood@bpa.gov.

–Becky Clark (503) 230-3158



Power Players Recognized at the “Blue is Green” Seahawks Game

Last held in 2005, Seattle City Light brought back the opportunity to partner with Puget Sound Energy and the Seattle Seahawks Organization to host the 2008 Power Players Recognition Program. The program was featured at the Sept. 21 Seattle Seahawks “Blue is Green” football game. In honor of their efforts, Power Players were acknowledged in a recognition ceremony and also on the football field before the game. John Pynch, BPA Program Implementation Manager, presented the awards.

Power Players were chosen for achieving energy savings, implementing innovative energy efficiency practices and acting as overall energy efficiency champions.

This year BPA selected three Power Players from across the region. Darroll Clark, Franklin County PUD, was chosen for his strong leadership in regional energy efficiency efforts. Dedicating the last 25 years to public utility service, Clark has worked tirelessly on Franklin’s Energy Efficiency programs. Since 2001, he has taken on the role of chair, vice chair or served as an active member of at least six committees helping to shape the future of energy efficiency in BPA’s service territory. After the ceremony he was honored by his board, and said, “It was a team effort. This award goes to the entire Energy Services Department at Franklin PUD.”

With some of the lowest utility rates in the region, Grant County PUD was highlighted for their robust, multi-sector conservation program. Their program has grown steadily since 2001. Since 2006 Grant has brought in (or saved) nearly 11 million kilowatt



John Pynch (far left) with Power Players (from left to right) Darroll Clark, Bob Brennand and Cheri Kerr.

hours, all with a small staff of 3.5 FTE. When asked about Grant, BPA Energy Efficiency Representative Tom Hannon stated, “Grant is innovative and creative, meeting their CRC obligations annually with everything from ENERGY STAR certified Habitat for Humanity Homes to a Scientific Irrigation Scheduling Program. They also work with their local schools and large server farms in the area to find opportunities for efficiency across their service territory.”

Bob Brennand, general manager at Grays Harbor Paper, has been a leader in promoting energy efficiency and renewable energy at his facility. Jennifer Eskil, BPA Industrial Sector Lead, highlighted Bob’s efforts, saying, “[Bob] exemplifies what an industry partnership is all about. Through the paper plant’s participation with the Joint Demonstration Project in Comprehensive Energy Management, NEEA, [Grays Harbor] PUD and BPA were able to achieve several key elements toward our mutual targets. These projects have already saved more than two million kWh, and more projects are planned.”

Seattle and Puget Sound Energy recognized sixteen other entities ranging from home builders to school districts. Previous BPA Power Players that were recognized include the City of Ellensburg, Fairchild Airforce Base, Providence Health Systems, Navy Region Northwest, Flathead Electric Cooperative, Inc. and Bac Gen.

–Melissa Podeszwa (206) 220-6772

BPA Employees Cycle for a Cause

Rosalie Nourse and Mira Vowles participated in the Live Strong Bike Ride for the Lance Armstrong Cancer Foundation on June 30. Collectively they raised \$700 for cancer research and education. Tom Foeller, a cancer survivor and former BPA supervisor, also attended the event and walked four miles with his family and friends.

Nourse explains, “We rode 40 miles in 95 degree heat to honor our families, friends, and coworkers who are survivors or victims of cancer.” The Portland Livestrong Challenge raised more than \$1 million.

–Carrie Nelson (503) 230-4785

ACEEE Summer Study 2008: Energy Efficiency in Buildings

“Scaling Up: Building Tomorrow’s Solutions” was the theme of this year’s American Council for an Energy Efficient Economy (ACEEE) Summer Study, held Aug. 17-22. The event continued the tradition of offering well-researched presentations that have practical value. Attendees praised the scope and depth of the material presented in more than 85 panel presentations.

Topics included energy technologies, market transformation, building design, program design, sustainable communities, environmental policy and energy efficiency.

BPA VP of Energy Efficiency Mike Weedall commented on his experience at the ACEEE Summer Study over the years. “Every two years I see the Summer Study as the pre-eminent gathering of demand-side professionals to share what is going on at the cutting edge,” Weedall said. “This year’s all-time-largest gathering of 900 just reinforced the timeliness and challenge this community of energy efficiency professionals has in front of us.”

Energized participants from Northwest utilities shared their best nuggets from the event at a Brown Bag titled, “ACEEE Summer Study Take-aways” The Brown Bag allowed those that were unable to attend ACEEE’s event to hear about the various topics covered at the event.

For more information on the Brown Bags visit BPA’s Web site: www.bpa.gov/Energy/N/Utilities_Sharing_EE/Utility_Brown_Bag/

–Becky Clark (503) 230-3158

Northwest Innovations Conference: Another Successful Year

“Shadows of Green: Renewables, Reliability and Resources” was the theme of this year’s Northwest Innovations Conference (NIC), hosted by the Northwest Public Power Association (NWPPA). The event was attended by more than 100 employees from utilities and other industry-related businesses. The conference was held at Lake Tahoe, Calif. on Sept. 21-24. Topics covered by guest speakers, panels and round tables included energy efficiency, fish and hydro issues, communication in crisis situations, cap and trade, carbon emissions and other topics. The event was educational, especially for those who work in the area of marketing and communications. Larry Bryant of Kootenai Electric Cooperative and the NIC conference chair commented, “It was rewarding to see the level of enthusiasm and dedication of the participants while learning techniques to improve their job performance.”

For more information on the event including PowerPoint presentations and a complete list of events visit www.nwppa.org.

–Carrie Nelson (503) 230-4785

Northwest Pacific Power Association (NWPPA) is hosting a workshop, “Understanding Residential Energy Usage” Nov. 18-19 in Boise, Idaho. Employees from onservation, marketing, member services and energy services who wish to improve their communication skills for explaining energy consumption should attend.

Visit www.nwppa.org for more information

BPA Announces Increases to Energy Efficiency Credits and Reimbursements

In an ongoing effort to strengthen utilities program incentive offers, BPA is providing increases in the credit and reimbursement rates for a number of energy efficiency measures for FY2009. These changes are effective Oct. 1, 2008.

Increases in the reimbursement rates for custom projects will be seen in commercial, industrial and agricultural sectors. The residential sector will see increases in incentives for ENERGY STAR lighting fixtures and freezer measures, refrigerator/freezer recycling, low income prime replacement windows and the addition of two new residential ENERGY STAR CFL measures. Visit the BPA Web site to read the BPA Energy Efficiency Program Announcement for more information at www.bpa.gov/Energy/N/projects/post2006conservation/pdf/FY_09_EE_program_announcement_summary_FINAL.pdf.

These increases, as well as other changes, are part of the new Conservation Rate Credit (CRC) and Conservation Acquisition Agreement (CAA) FY2009 Implementation Manual (www.bpa.gov/Energy/N/projects/post2006conservation) now available for review and download on the BPA Energy Efficiency Web site. The new set of updated deemed measures for FY2009 are available on the PTR Web site.

“Our customers have asked for higher credit levels, and we’re pleased we can offer these improved credits and reimbursements,” said BPA VP of Energy Efficiency Mike Weedall. “We look forward to seeing increased participation when these financial incentives are passed on to the utilities’ customers.”

Residential Sector

- ENERGY STAR Lighting Fixtures—increased reimbursement from \$2.50 per fixture to \$10
- ENERGY STAR Freezers—increased reimbursement from \$12 per freezer to \$25 per freezer
- Refrigerator/Freezer Recycling—increased reimbursement from \$85 per unit to \$125

- Low Income Prime Window Replacement—increased reimbursement to cover dollar to dollar costs up to \$20 per square foot of glazing replaced

New Residential Measures

- Documented Direct Install CFL Twister—\$4 per CFL reimbursement for Energy Star Qualified CFLs that are confirmed intalled
- Documented Direct Install CFL Specialty—\$5.50 per CFL reimbursement for Energy Star Qualified Specialty CFLs that are confirmed installed

Commercial Sector

- Retrofit Custom Projects—increased reimbursement from \$0.13/kWh to \$0.20per kWh with a 70% cap
- New Construction Custom Projects—increased from \$0.20 per kWh to \$0.27 per kWh with a 70% cap

Industrial Sector

- Retrofit Custom Projects: Option 1 with Technical Service Provider (TSP) support—increased reimbursement from \$0.12 per kWh to \$0.17 per kWh with a 70% cap
- Retrofit Custom Projects: Option 2 without TSP support—increased reimbursement from \$0.15 per kWh to \$0.20 per kWh with a 70% cap
- New Construction Custom Projects—increased reimbursement from \$0.12 per kWh to \$0.27 per kWh with a 70% cap

Agricultural Sector

- Retrofit Custom Projects—increased reimbursement from \$0.15 per kWh to \$0.20 per kWh with a 70% cap
- New Construction Custom Projects—increased reimbursement to \$0.27 per kWh with a 70%

For more information contact your energy efficiency representative or Brent Barclay, Program Manager, phone: (503) 230-4712 email: blbarclay@bpa.gov.

EER Profile: Tom Hannon



Tom Hannon, an Energy Efficiency Representative (EER), has worked for BPA for 28 years. He came to BPA in 1980 after four years with the U.S. Department of Agriculture. Over his years at BPA he has worked in Power Billing, Load Forecasting and

Planning and Budget. In 1988, he transferred to the BPA Upper Columbia Area Office in Spokane, which marked the beginning of his involvement in energy conservation. He became an EER in 2000.

Hannon has a BS in Economics from Colorado State and a MS in Agricultural and Resource Economics from Montana State. Upon graduating from Montana State, he professes that he had no idea that he would end up in the utility industry but that his education has been very useful for his time at BPA.

Looking back on the "highs and lows" of his time with BPA, Hannon recalls, "The hardest time was after deregulation and we were trying to turn energy efficiency into a revenue-generating business unit that could operate with a positive net margin. There were just too many obstacles that had to be overcome for that to succeed. A memorable high was during my years in the BPA Financial Management Budget and Planning Division and the annual battles with the OMB over the privatization of BPA."

When asked about his favorite part of the job, Hannon said, "There is no doubt whatsoever that the most fun and favorite part of the job is working with the customers. I have been fortunate to work with utility customers from the Cascade Crest (Okanagan Coop and Chelan PUD), across eastern Washington and northern Idaho, from the Canadian border and Glacier National Park in Montana, southward through Yellowstone, and from the Grand Teton Parks

to Jackson and Afton, Wyoming. It's a tough job but someone has to do it!"

As for his personal life, Tom and his wife Barbara have been married for 34 years and they have two daughters, Caitlin, who lives in Dallas, Tex., and Andrea who lives in Spokane. Barbara is a special education teacher. Both Tom and Barb are avid gardeners and he jokes that, "low maintenance landscape is not our preference!" They also enjoy the outdoors and can be found along the streams and rivers of Montana on many weekends. In response to being asked if he brought his work home with him he responded, "Are you asking if I have CFLs and energy efficient equipment everywhere? Pretty much, and I just installed a heat pump, too. Our daughter Andrea is the conservation director for the Inland Northwest Land Trust, so I guess she picked up on the enthusiasm as well."

-Carrie Nelson (503) 230-4785

Energy Efficiency Taskforce on track to help accelerate conservation

Lower electricity costs and improved environmental quality got a boost at an Oct. 3 meeting of the Northwest Energy Efficiency Taskforce (NEET) in Vancouver, Wash. Energy and policy leaders from throughout the region are moving toward a set of recommendations that will be useful for utilities currently planning future resources.

To track current developments of the task force visit www.nwcouncil.org/energy/neet/Default.asp or contact Darby Collins, 503-230-3811.

Milestones

- Joshua BinusNew to BPA, NEET
- Ryan FedieNew to BPA, EE Engineer Lead
- Carol Lindstrom.....New to BPA, Marketing
- Mike Hoffman Retired in August
- Jean Oates..... Retired in August
- Steve Fucille Retired in September
- Bruce Cody Retired in September
- Patricia Tawney..... Retired in September

Army, BPA, and Tacoma Develop Energy Savings at Fort Lewis

Over the past several months, Energy Efficiency has been working with Ft. Lewis and Tacoma Power to develop significant new energy efficiency opportunities at the base. Four Ft. Lewis projects are already planned or underway, including a chiller upgrade at the Madigan Army Medical Center, lighting retrofits of three hangars and compressed air system improvements at both of the Fort's maintenance and painting centers. These projects are estimated to save more than one million kWh per year.

The Federal Agency Program is also studying conservation voltage reduction, ground source heat pump, energy management system opportunities, and the overall energy savings potential at the military base. In addition, BPA Energy Efficiency staff are working with Fort Lewis management on the facilitation of a financing task order, which could provide more than \$18 million for energy efficiency projects.

–Kathryn B. Patton (206) 220-6785

–Frank Brown (206) 220-6774

BPA and GSA Collaborate for Energy Savings at Thirteen Federal Buildings

The Federal Government is the largest consumer of electricity in the United States. While most demand comes from large military bases and research centers, federal office buildings and courthouses also use large amounts of energy. The General Services Administration (GSA) owns most federal buildings and sub-leases space to other federal agencies.

Since the beginning of the Federal Agency Program in 1996, BPA Energy Efficiency has

- worked actively with GSA to identify, develop and implement projects on a fully reimbursable basis

both in the Pacific Northwest and, until 2006, in the Pacific Southwest

- helped GSA save more than 1.5 million kWh per year at its Pacific Northwest facilities, savings mostly from lighting retrofits and HVAC system improvements



Puget Sound Naval Shipyard (PSNS)

In 2007 BPA Federal Agency Program Manager Frank Brown worked with the GSA Northwest Arctic Region to develop large-scale energy efficiency projects for GSA Pacific Northwest buildings. In July 2007, BPA and GSA signed nine task orders covering 13 buildings in Washington and Oregon. BPA energy efficiency engineers designed and implemented the projects on a reimbursable basis. Where CRC or CAA incentives were available the projects were incorporated into utility programs to allow kWh crediting to the local utilities.

The first of these projects was completed recently at the federal building, courthouse, and post office in Richland, Wash. This project will produce more than 250,000 kWh per year in savings. Other projects are expected to be completed soon, producing more than 2.25 million kWh per year in savings. GSA investments in these energy savings projects will total approximately \$1.875 million.

–Kathryn B. Patton (206) 220-6785

–Frank Brown (206) 220-6774

Washington State Naval Bases Recognized for Outstanding Accomplishments in Energy Efficiency

Only 14 Platinum Awards were granted worldwide among the several hundred Navy and Marine bases competing for the annual Secretary of the Navy Energy Awards. When the most recent awards were announced this July, Washington State naval bases received one-third of all Navy Department Platinum energy and water management awards for their achievements in 2007. This outstanding accomplishment is due to efforts by Washington bases and BPA, their partner in implementing energy efficiency. Each Platinum-Award-winning base received \$5,000 from the Secretary of the Navy to be used for morale and quality-of-life improvements or energy conservation purposes.

Over the past seven years the BPA Energy Efficiency Federal team, in collaboration with the Navy, has produced more than 75 million kWh per year in savings, at a total cost of about \$25 million. During the past four years each naval base in Washington state was honored for their energy efficiency achievements at least once by the Secretary of the Navy.

In addition to winning a Platinum Award, Naval Shipyard Puget Sound won the Secretary's Award as the most outstanding and energy efficient naval industrial installation worldwide. The Shipyard will receive \$30,000 and the right to fly the Secretary of the Navy's "Energy Efficiency Flag" for one year for winning this award. Last year Naval Base Kitsap Bremerton won the Secretary's Award for a Small Shore Naval Command. The secretary's flag will continue to fly over Bremerton.

The BPA Energy Efficiency federal team has been working with the region's naval bases for several years, serving as the energy efficiency general contractor at Bangor, Bremerton and Keyport, and providing incentives and project development services to the remaining bases. All staff look forward to

continued success from this cooperative Navy-BPA relationship.

In November 2007 BPA and the Navy signed a new Basic Ordering Agreement which authorized the Navy to issue new delivery orders to BPA through 2012. Six new delivery orders have been issued, including a \$7 million third-party financing delivery order. Projects under that delivery order are expected to produce more than 15 million kWh in annual savings. BPA Energy Efficiency plans to continue this mutually beneficial partnership with the Navy in the Pacific Northwest.

–Kathryn B. Patton (206) 220-6785

–Frank Brown (206) 220-6774



New lighting was installed at Seattle office building (home to most of the Federal Program Team)