

Customer News

ENERGY EFFICIENCY



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Stakeholders Asked to Participate in Post 2011 Energy Efficiency Plan

Bonneville Power Administration is encouraging all regional stakeholders to participate in a public process to develop the most effective BPA post-2011 energy efficiency program for the region. With the recent signing of the new power sales contracts and emerging issues such as climate change, it is timely to discuss how the region has worked in the past and how we can most effectively meet growing regional targets for energy efficiency.

Using information gathered in the public process, BPA will work jointly with regional stakeholders to develop an updated plan that defines the agency's role in meeting public power's share of the Northwest Power and Conservation Council's Power Plan conservation target.

Phase 1 of the public process began with a kick-off meeting on January 27, in Portland. "We were happy with the turnout and the productive discussion at the kickoff meeting," said Mike Weedall, VP for BPA Energy Efficiency. "It was an excellent start to what we hope will be a highly collaborative process to shape BPA's role in Energy Efficiency post-2011." Four regional meetings are scheduled to continue the discussion.

Regional Meetings for EE Post-2011:

February 10, Seattle

Red Lion SeaTac

18220 International Blvd., Seattle, Wash.

1:00 PM to 5:00 PM



Nearly 100 people attended the kick-off meeting on January 27

February 11, Idaho Falls

Shilo Inn and Convention Center

780 Lindsay Blvd., Idaho Falls, Idaho

9:00 AM to 1:00 PM

February 12, Spokane

Mirabeau Park Hotel

1100 N. Sullivan Rd., Spokane, Wash.

8:30 AM to 12:30 PM

February 20, Pasco

Best Western Pasco

2811 N. 20th Ave., Pasco, Wash.

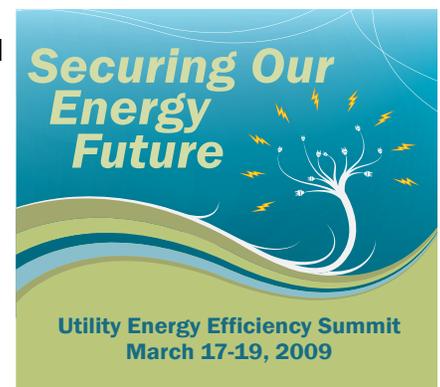
9:00 AM to 1:00 PM

For more information on the BPA public process, or to submit a comment, please visit the BPA Web site. www.bpa.gov/post2011

— Carrie Nelson

Looking Forward to the Utility Energy Efficiency Summit

The 4th annual Utility Energy Efficiency Summit is scheduled for March 17, 2009. The summit is offering discussions and presentations on topics such as planning for I-937, emerging technologies, data gathering and a variety of additional topics on the agenda. Utilities are encouraged to share a learning experience from this year that provided them insight for accomplishing



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Utility Energy Efficiency Summit

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energy efficiency. These insights are called “Aha” moments. The summit will take place at the DoubleTree Hotel, 1000 NE Multnomah, Portland, Ore. To reserve a room call 1-800-996-1510.

To register online for the summit visit our registration Web site: www.regonline.com/builder/site/Default.aspx?eventid=682275

For more information contact your Energy Efficiency Representative.

—Carrie Nelson

Continuing Conservation into Future Rate Periods

In an effort to assist utilities as they transition into a new rate period, BPA Energy Efficiency announced program decisions that were made to enable the continuation of conservation program activity into future rate periods. The mechanisms, which provide for the continuation of program activity, include a Conservation Rate Credit (CRC) early-start option and a new five-year conservation agreement. In addition, these mechanisms will provide for reimbursement of projects transitioned from the current rate period into future rate period(s).

BPA anticipates offering a similar portfolio of energy efficiency programs, funding mechanisms and bilateral contracts in the 2010-2011 rate period as are currently available. However, the exact composition of the new CRC will not be final until the 2010-2011 rates go into effect and the Conservation Acquisition Agreement (CAA) is replaced by the five-year-enabling Energy Conservation Agreement (ECA).

Read the complete announcement at: www.bpa.gov/Energy/N/pdf/CRC-policies_BPA-EE_announcement_01-20-09.pdf

—Carrie Nelson

Improvements to the Planning, Tracking and Reporting System

Last fall, customers who utilize the Planning, Tracking and Reporting (PTR) system were surveyed on their experience with the site. As a result, a number of important changes were added to the PTR. See the November 2008 Brown Bag presentation on BPA’s Web site for a list of updates. www.bpa.gov/Energy/N/Utilities_Sharing_EE/Utility_Brown_Bag_archive.cfm

—Carrie Nelson

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Another “Electrifying” Year at the Okanogan County Fair

The Okanogan County Fair had another successful year, attracting local residents to the nearly 100-year-old annual celebration. Okanogan PUD participated in the fair offering live, informative safety demonstrations and new displays. County residents of all ages participated in demonstrations that taught valuable safety rules.



PUD employees offer safety tips

Representatives from the Foundation for Water and Energy Education joined the PUD on Student Day, where kids got to participate in live demonstrations on the physics of moving water and how falling water can generate electricity. Okanogan PUD employees were available to answer questions, offer tips to help lower energy usage and to tell customers about the exciting programs available to assist them. Brochures, booklets, DVDs, and other informational material on

energy safety and conservation were available. Most importantly, it gave Okanogan PUD employees another opportunity to meet directly with their customers.

The PUD’s live safety demonstrations consisted of a pole-top rescue and examples of what happens when different materials come into contact with power lines. Demonstrations included information about what happens when kites, metallic balloons and trees get caught in power lines, and viewers were reminded to watch overhead when moving irrigation pipes. As a result of the live demonstrations and informational materials the Okanogan PUD offered at the fair, they were presented with an educational award for fostering education and increased knowledge of the electrical industry, which they proudly accepted.

Okanogan PUD employees enjoy educating customers about the importance of electricity for heating, air conditioning and how it makes us able to use thousands of other electrically driven items every day.

—Debbie Peters, Okanogan PUD

Small Utility Task Force Provides Recommendations for Increasing Conservation Opportunities

In August 2008 BPA Energy Efficiency, in cooperation with the Public Power Council (PPC), convened a small-utility task force with five PPC-appointed utility representatives. The purpose of the task force was to explore the difficulty that some small, rural and residential-load-dominated utilities experience in spending Conservation Rate Credit (CRC) funds.

Over a two-month period the task force worked with the PPC to identify the conservation-related challenges facing small, rural, and residential load-dominated utilities, and to develop consensus recommendations aimed at addressing these challenges. BPA Energy Efficiency staff facilitated the discussions and results were presented to the Utility Sounding Board (USB) in December 2008.

BPA Energy Efficiency has reviewed those recommendations and will take action by establishing more CFL opportunities, increasing credit and reimbursement incentives, increasing user friendliness of the Planning Tracking and Reporting (PTR) System and more.

For more information on BPA action, and recommendations under review, please read the announcement at www.bpa.gov/Energy/N/Utilities_Sharing_EE/doc/Small-Utility-TF_BPA-EE_announcement_01-20-09.pdf

—Carol Lindstrom

BPA and NEEA Launch the Ductless Heat Pump Pilot Program

The Northwest Energy Efficiency Alliance (NEEA) launched a Ductless Heat Pump (DHP) Pilot Program this fall to evaluate the energy efficiency, quality and cost-effectiveness of DHPs.

Currently more than 2 million households in the Northwest use electric resistance heat for primary space heating, with another million expected to be added in the Northwest by 2025. DHPs are estimated to use 50 to 60 percent less energy than standard electric resistant heating systems, and have the potential to save the region 100 to 600 (or more) average megawatts by 2025. In addition, DHPs offer increased consumer comfort with quieter functionality, low drafts and better air filtration.

NEEA launched the program after NEEA's Residential Manager, Stephanie Fleming, completed a regional tour where she met with Northwest utilities throughout the region, along with the Oregon Department of Energy and the Washington State University Energy Extension Program. Together, they collaborated on creating a framework that would be adaptable to the specific needs of utilities across the region, while still maximizing the region's economies of scale.

Fluid Market Strategies was selected as the contractor for the pilot program and it continues to build momentum throughout the Northwest. By the end of November 2008, more than 64 utilities from across the Northwest will have partnered with NEEA on the program, and more than 450 contractors have been brought up to speed.

According to NEEA's DHP Product Manager Alexis Allan, the level of participation thus far has been promising, particularly since there's been involvement from all areas of the Northwest. This has been a focus for the program from its inception, according to Allan.

"The areas along the I-5 Corridor like Portland and Seattle don't face the same heating and cooling issues as those areas east of the Cascades," Allan

said. "We're making sure we have good distribution across the entire region and we're feeling positive about the overall participation. Regional equity is very important to NEEA and its stakeholders."

BPA Energy Efficiency is an active participant in the pilot program – which extends through Sept. 30, 2009. Six new provisionally deemed energy efficiency measures have been added to the residential sector programs in the Planning, Tracking and Reporting (PTR) system. BPA will provide Conservation Acquisition Agreements (CAA), Conservation Rate Credit (CRC), self-funded and Irrigation Rate Management Program (IRMP) credits for eligible ductless heat pumps installed in existing residences to support the pilot program.

Recognizing that the saving values of this pilot program are provisionally deemed by the Regional Technical Forum (RTF), BPA will work with NEEA to assure the cost and savings risks are managed appropriately as this program progresses. Customers and vendors are kept informed of the pilot status at www.nwductless.com. The Web site also includes sample marketing materials and more program information.

For more information on BPA's involvement in the program, visit www.nwductless.com. BPA utilities that would like to participate in the pilot can contact Fluid Market Strategies directly (contact: Erica Thompson, 503-808-9003 ext. 107, ethompson@fluidms.com) or contact their Energy Efficiency Representative.

Read the full BPA announcement on the DHP pilot program at www.bpa.gov/Energy/N/pdf/FY09_EE_program_announcement_DHP_12-04-08.pdf

—Becca Yates and Carrie Nelson

Utilities Collaborate with Local Libraries to Educate Consumers on Household Energy Consumption

Utilities are collaborating with their local libraries to loan out a measurement gauge called Kill A Watt™. The device measures the amount of electricity used by electronic devices such as flat screen TVs, iPods and computers. The gauge is provided to the public at no charge. It helps educate consumers on their electricity consumption and can assist them with their electronic equipment purchasing decisions.

Eugene Water and Electric Board (EWEB) was the first utility to launch the program last spring. Its success inspired other utilities such as Emerald PUD and Central Lincoln PUD to run similar programs in their own territories. The idea came from Oregon State Representative Nancy Nathanson when she was out shopping for a birthday gift for her husband. "Okay, so maybe it's not the most exciting birthday gift, but it started me thinking about ways we could use this device to help other folks monitor their energy usage without having to purchase the device," said Nathanson.

When EWEB first launched its program, Nathanson said that if the gauges were popular in Eugene she would like to see the program expanded to the state level. The gauges are very popular, in fact on the day the program launched, the Kill A Watts were

all checked out by noon. For several weeks following the launch there was a waiting list of at least 50 people. EWEB originally purchased 15 gauges for the library, but since then four more were added to keep up with demand.



"Teaming up with the public library was a great way to get these handy energy-saving devices into the hands of our customers at no charge to them. The library was a logical partner, because it has a system already set up for loaning out Kill A Watts. The phenomenal demand for these gadgets at the library only shows how interested people are in saving energy in their homes," said Lance Robertson, EWEB's external communication coordinator.

Consumers can also enter their utility rate into the Kill A Watt, enabling them to see projected operating costs by hour, day, week, month or year. This can provide consumers with a better understanding of what each individual electronic device in their homes is costing them. For example, a plasma TV may cost up to \$22 more per month than a traditional TV.

Emerald PUD and Central Lincoln PUD have adopted similar programs with their local libraries. Emerald PUD Energy Services Coordinator Sandy Marr said, "It's important to raise awareness regarding how much energy different types of electronics use, both when they are on and off. If consumers understand this, they can take steps to lower their overall energy usage and lower their monthly bill."

There are some technical issues to consider for utilities interested in running a similar program, such as packaging the Kill a Watt gauge in a way that allows it to be checked out with bar code scanners, and creating a way for the devices to be catalogued in the library.

If you are interested in receiving advice on how to launch a similar program, contact Lance Robertson at Lance.ROBERTSON@eweb.org, or contact your Energy Efficiency Representative.

—Carrie Nelson

New Opportunities for Residential Programs

Specialty CFLs represent a significant savings opportunity and consumers are showing increased demand for them. In response, BPA Energy Efficiency is increasing the reimbursement levels for specialty CFLs in order to encourage more utilities to include them in their efficiency programs. Specialty CFLs warrant a higher reimbursement level as they typically cost more than standard twistlers. Effective Jan. 1, 2009, two new CFL measures were added to the Planning Tracking and Reporting (PTR) system to allow utilities to claim savings for specialty CFLs and access the higher credit/reimbursement levels.

New CFL measures

- Standard CFL (specialty): \$4 credit/reimbursement
- Special opportunity/hard to reach (specialty): \$5.50 credit/reimbursement
- Documented direct-installed CFL (specialty): \$5.50 credit/reimbursement (available since 10/1/08)

CFL bulk-purchase and direct-mail opportunities

In response to utility requests, BPA Energy Efficiency implemented new direct-mail and bulk-purchase CFL opportunities. Portland Energy Conservation, Inc. (PECI) was engaged to create these opportunities. Any BPA utility may access these offers from PEGI or elect to use another contractor of their choice. Contact your Energy Efficiency Representation or Juan Carlos Blacker (503-961-6129, jblack@peci.org) for more information and order forms.

Upcoming: Changes to BPA credit/reimbursement levels for prime windows

BPA is in the process of reviewing prime window replacement with the goal of providing increased credits/reimbursements to take effect April 1, 2009.

Manufactured homes change added

BPA Energy Efficiency made an administrative decision resulting in a positive change to an offering for Manufactured Home Air Sealing in Heating Zone 1. The measure is now available in the PTR with a credit/reimbursement rate of \$0.14 per 0.1 air change reduction per square foot. The measure was

made effective Oct. 1, 2008. This change provides consistency in Manufacture Home Air Sealing in Heating Zone 1 credit/reimbursement in both the low-income and non low-income measures. The measure is found under reference #REE00054 in the PTR.

Visit www.bpa.gov/Energy/N/pdf/Residential-changes_BPA-EE_announcement_01-20-09.pdf to learn more about changes in residential programs, or contact your Energy Efficiency Representative.

—Carrie Nelson

Watch for New CFL Alternative

Electron Stimulated Luminescence™ Lighting Technology (ESL™) is a new energy efficient lighting technology that uses accelerated electrons to stimulate phosphor and create light. The technology produces light similar to an incandescent bulb, but conserves more energy. One of the attributes of ESLs is that they don't use mercury in the lighting process. The technology was created by VU1 Technology, a company which merged several existing technologies and adapted them for lighting. The product is patent pending, but is expected to find savings competitive to the CFL, but in a classic light bulb shape.

For information, visit www.vu1.com

—Carrie Nelson



Commercial & Industrial (C&I) Lighting incentives to increase by 48%

BPA Energy Efficiency announced it will increase credit/reimbursement incentives by an average of 48% for all Commercial and Industrial Lighting projects with completion dates of Jan. 1, 2009 or later. These changes will be implemented through a new version of the C&I Lighting calculator that features several improvements.

The new calculator and PTR reference numbers are now available. The changes to credits/reimbursements for specific measures were developed following a review of program deliveries, market conditions and other regional rebate programs. The Northwest Trade Ally Network for Commercial and Industrial Lighting was also consulted on the rebate strategy.

“The changes should make the program easier to administer and significantly increase customer participation. We are trying to be responsive to customer requests and economic realities. The economy is sliding downhill. However, with the additional incentives, it should be a great time to do these projects.”, said Craig Ciranny, BPA Energy Efficiency engineer.

The new Lighting Calculator Spreadsheet features other enhancements that make program participation easier. These enhancements were chosen based on utility customer and trade ally feedback.

Timeline

- February 2, 2009: Revised calculator available
- February 10, 2009: Informational Brown Bag. Look for more information from your Energy Efficiency Representative in the coming weeks.
- March 17 & 19, 2009: C&I Lighting Calculator tutorial sessions available prior to and after the 2009 Utility Summit

Learn more about these program changes by visiting www.bpa.gov/Energy/N/projects/lighting/pdf/CILighting_BPA-EE_anouncement_01-20-09.pdf

—Carrie Nelson

Changes to the C&I Lighting Calculator

In addition to the inclusion of new credits/reimbursements, the new Lighting Calculator Spreadsheet features other enhancements that will make the program participation easier.

- Project eligibility is based on 25% kilowatt-hour reduction instead of 30% wattage reduction
- Descriptions of lamps/ballasts are simplified
- The number of choices on pull-down menus are reduced (as an example, the current Lighting Calculator Spreadsheet features 82 choices for high performance T8 lamps/ballasts; the new Lighting Calculator Spreadsheet includes 18 choices)
- Pull-down menus are reordered so most commonly used choices appear near the top of the menu
- Fields in the “verification report” tab auto-populate with previously entered information
- The “site audit” tab (where project information is input) is blank in a newly downloaded calculator
- The “site audit” tab features automatic row numbering
- Space has been added for notes on each row of the “site audit” tab
- The example project appears on a separate tab and can be used as a guide to fill out the site audit information.
- The contractor/trade ally letter has been revised to include Return on Investment (ROI) calculations
- Several outdated or infrequently used pages have been eliminated

BPA Seeks Utilities to Participate in Commercial HVAC Pilot Program

Correcting inefficiencies in existing packaged rooftop HVAC units is widely recognized as a potential source of significant energy savings. In fact, the Northwest Power and Conservation Council estimates 75 aMW of cost-effective savings could be realized, most of it in reduced cooling energy.

In an effort to gain more information on the savings associated rooftop unit tune-ups, BPA Energy Efficiency is seeking a limited number of utility partners to participate in a commercial Rooftop Unit (RTU) tune-up pilot program during the summer and fall of 2009. These RTU tune-up pilot programs will launch in mid 2009, with the intent of having a region-wide offering in 2010. Utilities interested in learning more or participating in the programs are asked to complete a brief survey by Feb. 15, 2009.

The RTU tune-up pilot builds on the Summer of 2008 RTU Research Project, which was conducted in the Spokane area. Joe Nolan, from City of Cheney, participated in the study and said, "It couldn't have been any easier, and all the feedback from my customers was positive."

Visit www.bpa.gov/Energy/N/pdf/RTU-Pilot_BPA-EE_announcement_01-20-09.pdf for the complete program announcement. You can also contact Mira Vowles (503-230-4796, mkvowles@bpa.gov) or your Energy Efficiency Representative for more information.

—Carrie Nelson

United Electric Co-Op, Inc. and BPA Help Dot Foods be Energy Efficient

United Electric Co-Op and BPA had the opportunity to collaborate with Dot Foods, Inc., and Dot Transportation in making the company's new distribution center more energy efficient. The new

facility opened in October, in Burley, Idaho, spanning 140,000 square feet. The company incorporated several energy conservation devices including occupancy sensors, wattage-reduction light fixtures and variable frequency devices on several types of machinery. BPA and United Electric Co-Op issued incentives to Dot Foods for their energy efficiency initiatives.

A more detailed article can be found at: www.myidaccess.com

—Carrie Nelson

Demand Response Comes to the Northwest

The first tests of Open-Automated Demand Response (Open-ADR) for commercial buildings will take place in Seattle this February. BPA is working with Seattle City Light to bring this cutting-edge technology developed by Lawrence Berkley National Laboratory to the Pacific Northwest. Open-ADR uses an open-source software client to send a signal to a building's Energy Management System to automatically enter into a pre-programmed shed strategy. The demonstration will include office, retail and institutional facilities.

For more information, contact Pam Sporborg at 503-230-3170 or pjsporborg@bpa.gov

Local Congregations Take on Energy Efficiency

BPA Energy Efficiency is conducting a pilot with Oregon-based Interfaith Power & Light (OIPL). The group is part of a broader coalition of like-minded religious organizations intent on being active and responsible stewards of the environment.

The pilot program includes hosting a series of workshops around the region that focus on how to save energy within religious institutions. The pilot will evaluate marketing energy efficiency programs to niche markets (in this case, religious facilities). The program follows an already successful model conducted by Oregon Interfaith Power & Light, who conducts workshops in religious facilities around Oregon. BPA became interested in sponsoring similar type workshops in collaboration with local public utilities. The workshops help get the word out about how churches and individual members of churches can take advantage of utility-sponsored conservation programs.

The first workshop was jointly sponsored by the First Baptist Church, the United Methodist Church and Trinity Lutheran Church in McMinnville, Ore. Approximately 60 people attended the workshop. Matt Deppe, conservation specialist for McMinnville Water and Light said, "I found it to be very valuable... any opportunity to speak with customers on their grounds is time well spent in my opinion. The guest speakers did a great job laying out issues that need to be considered as groups consider their environmental impact. Too often the cost of solar electricity discourages groups into thinking that there is nothing that they can do. The workshop created a great opportunity for us to feature successful projects being done in the area, and how they panned out both financially as well as in building comfort".

Deppe also said there was an increase in inquiries after the first workshop, including many calls about no-cost options to help get started. The second workshop was held at the United Church of Christ in Ashland, Ore. Larry Giardina, the city's conservation manager, gave presentations on the types of

programs and measures that churches, parishioners, and local businesses can participate in. Two more workshops are planned for February of 2009. They will be held in Pasco, Wash. and Milton-Freewater, Ore.



Interfaith Power & Light is committed to being good stewards of the earth's resources. "It was been great to spread the good word about conservation incentives and programs that public utilities offer through the OIPL workshops," commented Jenny Holmes, director of Oregon Interfaith Power & Light. "We find that most attendees were not aware of all the resources available through their local utility and the Oregon Department of Energy. The opportunity to meet local conservation staff first-hand is worth the price of admission for many. The faith community is a way to reach people from many walks of life with the message of energy stewardship. We are pleased to pave the way for BPA and local public utilities to work with other community based groups".

For more information contact your Energy Efficiency Representative or visit OIPL's Web site www.emoregon.org/power_light.php

—Lloyd Meyer

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 cenelson@bpa.gov.

Federal Agency Program works to improve BPA's Energy Efficiency

BPA's Federal Agency Energy Efficiency Program works with more than two dozen regional federal agencies to increase energy efficiency. Since 2005, the federal program has worked with various facilities within BPA and is making great strides in completing energy efficiency projects.

Meeting regional energy efficiency targets, reducing utility bills and cutting Operations and Maintenance costs are reasons enough to implement energy efficiency projects. However, BPA has the additional requirement of complying with Executive Order 13423. On January 24, 2007, President Bush revised a 1999 Executive Order that required all federal agencies to reduce their energy consumption by 35% from 1985 to 2010. The 2007 revision requires that every agency further reduce its energy consumption by 3% a year, or 30% by September 2015. In an effort to comply with EO 13423, and in anticipation of additional requirements from the new administration, the Federal program has been ramping up its efforts to improve energy efficiency at BPA facilities.

Celilo and Ross Facilities

The first large scale energy efficiency retrofit of a BPA facility was completed at the Celilo DC Converter Station in The Dalles, Ore. The Celilo converter station is the northern end of the high-voltage direct-current intertie that sends up to 3,100 MW south to the Sylmar converter station in Los Angeles. Working with the BPA Transmission Services Group, the Federal program was able to complete a retrofit of the facility's lighting, which now saves Celilo nearly 1.3 million kWh per year.

Earlier this year, the Federal program completed a large-scale lighting retrofit at the Ross Complex, BPA's transmission facility in Vancouver, Wash. Brad Miller, BPA program manager, and Nelly Leap, BPA engineer, teamed up to guide the retrofit project in 28 buildings at the site. Miller develops BPA facility energy efficiency improvement initiatives, and Leap is the engineering lead responsible for implementation.

Craig Ciranny, BPA Energy Efficiency resident lighting expert, worked with Leap on the recommendations and installation efforts.

The retrofit included replacing incandescent bulbs with compact fluorescents, changing T12 lamps with



The entrance to Celilo after a lighting retrofit.

magnetic ballasts to T8 lamps with electronic ballasts and replacing high bay metal halide fixtures with T5 fluorescents. In addition, occupancy sensors were installed in restrooms, office spaces, lunchrooms, hallways, machine shops, storage rooms and warehouses. These retrofits produced a savings of 471,862 kWh per year (a 57% reduction of the lighting load at Ross).

The BPA Facilities Initiative

In addition to working at large BPA facilities like Celilo and Ross, the Federal program has completed a handful of retrofits at BPA substations. Most of these facilities were substations near Federal Columbia River System dams, which were also having energy efficiency measures installed. By bundling the substations with the work at the dams, the Federal program was able to find a cost-effective means of improving the energy efficiency of BPA substations.

Craig Ciranny, Nelly Leap and Rick Jones (BPA

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Federal Agency Program Works to Improve BPA's Energy Efficiency

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contractor) are tasked with auditing the BPA facilities and implementing recommended energy efficiency measures. Currently, more than eighty BPA facilities have been identified for audits and nine have lighting retrofits currently underway. It is estimated the energy efficiency measures installed in these nine facilities alone will generate savings of more than 600,000 kWh per year.

BPA Environment, Fish and Wildlife gets with the Energy Efficiency Program.

In 2005, Brad Miller, BPA Energy Efficiency program manager, and BPA Environment, Fish and Wildlife (EF&W) managers obtained \$100,000 from the Northwest Power and Conservation Council (which directs the EF&W budget) for the Federal program to implement energy efficiency measures at BPA-funded fish hatcheries.

The Federal program and BPA EF&W identified which energy efficiency-measures would be implemented and at which facilities.

To date, three hatcheries (Spokane Tribal, Ford State and Colville Tribal) have received lighting retrofits. These projects produced approximately 50,000 kWh per year in savings, and greatly improved the work environment at the hatcheries. The Federal program also commissioned a study at the Colville Tribal hatchery to determine if a more efficient pump system could be installed there. Lighting retrofits on six more hatcheries are expected to be completed later this year. Energy Efficiency engineers Craig Ciranny, Erin Hope and Tom Osborn will manage the implementation. These projects are expected to save an additional 110,000 kWh per year.

—Kathryn Patton



Colville Tribal Fish Hatchery

EER Profile: Lloyd Meyer



How and when did you become an employee at BPA?

I began working for BPA in 1982. I started out in the public affairs department, then the billing and rates department. I then moved into customer service and the contracts office. During my time with BPA, I've had

the opportunity to live in Seattle and Walla Walla, which has allowed me to work with BPA's customers on a regular basis and has given me insight on how to perform better at my job. In 2001 I came to work in BPA Energy Efficiency to help out with the conservation contract work. I've been serving as an Energy Efficiency Representative during the last four years and my years in energy efficiency have been the best years of my BPA career.

What are your favorite and least favorite parts of your job?

The best part is working directly with our customers. I have the opportunity to visit their offices, see what they are working on and what obstacles they face. Following these visits, I get to follow up with our program and sector leads to work on shaping our programs to fit the utilities' needs. I would say the biggest challenge is balancing the goals and structure of our programs with the needs of each individual utility.

Do you feel like your educational background helps you with what you are doing now?

I have a degree in History at the University of Oregon. Therefore, for the most part my education

has been on the job, here at BPA. Over the years I've mastered the art of massaging BPA's processes to get things done, which helps a great deal in trying to put our working conservation programs in place with customers.

Did you have an idea that energy efficiency was the profession that you would go into?

I had no idea. Shortly after college I went into the Peace Corps, and then returned to Portland. I heard about BPA from a fellow Peace Corps volunteer and she encouraged me to come down and apply for a job.

Please share a little about your family:

I've been married for 23 years and I have three kids ages 17, 19 and 22. In addition to this, I have a dog, a parakeet and a pesky mouse in the garage.

Do you influence your family to be energy efficient?

I've always been conscientious about using resources but working in energy efficiency has made me even more so. We have CFLs in our home, and on top of this, my daughter is always getting on my case if I leave a light on, pointing out what I do for a living!

What do you like to do in your free time?

I used to enjoy participating in sports until I started having knee problems. I still enjoy watching basketball and football, and I'm a big fan of the University of Oregon sports teams. I also enjoy spending time outdoors and walking my dog. I'm really looking forward to more outdoor time this summer.

What are your hopes for BPA Energy Efficiency in the future?

I think that it is a wonderful thing that new people and young people are coming into the field. I hope this results in new ideas and new approaches along with this.

—Carrie Nelson