State Energy Conservation Office (SECO)
Municipally Owned Utility (MOU) or Electric Cooperative (Co-op)
SB-924 Energy Efficiency Report
Data Entry Form

MOU or Co-op:	Pedernales Electric Cooperative, Inc.
County:	Blanco
Contact:	Jeanell Davis
Contact Title:	Community Services Manager
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1) Is your MOU or Co-op hereby reporting on energy efficiency as required by SB-924, PURA Sections 39.9051 and 39.9052?

✓ Yes ☐ No

2) Energy Efficiency Goals: Please tell us about the goals that your MOU or Co-op has related to energy efficiency:

Instructions: Provide a brief description of your MOU or Co-op's energy efficiency goals for the previous calendar year. Examples may include information about energy efficiency for MOU or Co-op customers or utility facilities. Supplemental information may be provided at your option on any long-term energy efficiency goals that your MOU or Co-op might have. Please use a separate sheet of paper if you need more space.

PEC has an energy efficiency goal and a renewable energy goal; the details for both goals are attached.

3) Your MOU or Co-op's Energy Efficiency Programs:

Instructions: Input information as applicable; add fields as necessary. For the previous calendar year, please list energy efficiency programs and provide applicable estimated achieved savings – energy and/or demand, or other program performance metric (for example participation.) Add additional lines as needed.

Energy Efficiency Program	Estimated Energy Savings or	Estimated Demand Savings or	Other Program Performance Metric
Heating, Ventilation, and Air Conditioning (HVAC) and Commercial Lighting rebate programs	10,500 MWh	4.5MW	Estimated Monthly Impact on Residential Customers = $0.56
Totals	10,500 MWh	4.5MW	

4) Program Materials / Additional Information

Instructions: Public information about your energy efficiency programs (brochures, website information, etc.) may be attached and provided with this form.

5) Please submit this form to SECO at: SB924.Reporting@cpa.state.tx.us

Pedernales Electric Cooperative, Inc.
Energy Innovation Report (for activities from January 1, 2011, through December 31, 2011)
Submitted to Texas State Energy Conservation Office, March 30, 2012.

Pedernales Electric Cooperative, Inc. (PEC, Co-op, or Cooperative) had retail sales of more than 500,000 MWhs in 2005.

PEC fully recognizes the importance of energy efficiency and demand response programs. Throughout 2011, the Cooperative has continued to implement, maintain, and grow a communications and action plan supporting conservation, energy efficiency, demand side management, and distributed resources.

Existing resolutions

The PEC Board passed a resolution in 2008, establishing an energy conservation goal of achieving reductions of up to 20% of the future energy requirements of residential and commercial users. The goal is currently being further developed in committee.

The PEC Board also passed a resolution in 2008, establishing a renewable energy goal to purchase or generate up to 30% of its electricity from renewable energy by the year 2020. The goal is currently being further developed in committee.

Energy efficiency and conservation

This section briefly describes PEC's programs supporting energy efficiency and conservation.

Rebate programs[*1]**.** Pedernales Electric offers a variety of rebates for our residential and commercial members.

The HVAC Rebate Program provides rebates to members for installing energy efficient HVAC systems with a minimum SEER rating of 15 and EER rating of 12.5. In 2011, more than $968,700 was paid in HVAC rebates which included the installation of 20 dual-fuel or geothermal heat pumps, 935 A/C units with gas furnaces, and 1,574 air-to-air heat pumps.

The Commercial Lighting Rebate Program (CLRP) offers incentives to commercial members who install efficient lighting in existing or new commercial buildings. Rebate amounts are based on kilowatts (kW) of reduced electricity. In 2011, PEC paid out $80,280 for a demand reduction of 280 kW resulting in 1,509,000 kWhs saved.

Energy audits. PEC performs residential energy audits for its membership on an as-requested basis at no cost to the member requesting the audit. As part of the audit process, PEC provides a water heater timer or weatherization kit free of charge to members who would benefit from their use. In 2011, Co-op staff performed over 330 energy audits.

Conservation publicity.

PEC continues to encourage energy conservation through a variety of communication messaging vehicles, including the popular monthly *Texas Co-op Power* magazine[*2], the PEC website, regular print advertising[*3], and online social media platforms, including Twitter[*4] and Facebook[*5].

Website information. PEC's website contains a multitude of information, tools, and links to assist members in their energy efficiency and conservation efforts.

The website features the CO-OP Conservation Blog,[*6] a forum for the discussion of topics related to energy efficiency, conservation, energy management, and renewable energy generation. Each week bloggers share their expertise to help members save both money and electricity. The Blog also includes short do-it-yourself conservation videos[*7] to show members how simple changes can help them save energy and money. PEC helps protect our natural resources and reduce members' electric bills with ways to conserve electricity in the *Ways to Save* section[*8] of the website. The Co-op offers an online tool, MyUse Energy Analyzer,[*9] which allows members to view their daily electric use in kilowatt hours (kWh) and dollars. The tool enables members the ability to better monitor and manage their monthly electric consumption, budget accordingly, and reduce their environmental impact. Members can also elect to receive notification emails detailing mid-month electric use and estimated costs. On average in 2011, more than 12,000 members used MyUse Energy Analyzer at least once per month.

The Cooperative continues to implement new programs and links as they become available to support energy innovation. As a result, the number of members who use the website to implement conservation measures increases every year. Hits to PEC's website averaged more than 64,000 each month in 2011.

In the community. PEC helps educate its communities about conservation and energy efficiency through youth programs and its Speaker Bureau.

The Co-op views the youth in its service area as a vital audience to instill the virtues of conservation and energy efficiency. Nearly 600 students wrote essays for Pedernales Electric's 2011 Youth Tour essay contest[*10], which also required them to develop Green Works® initiatives for their schools, communities or organizations while incorporating a variety of conservation and green-living ideas. PEC also participates in the Lower Colorado River Authority's POWERHOUSE ™ program, which helps teach middle school students and their families about the effects their homes' energy use have on natural resources and the environment. In 2011, PEC presented the POWERHOUSE ™ program to more than 3,300 students.

PEC's Speakers Bureau[*11] presents education programs free-of-charge to community, civic, and business groups of all sizes. Conservation-related programs presented to more than 2,100 people include "PEC's Green Works Initiative", "Save Energy and Money", "Going Green on a Budget", "Beat the Peak", and "Savings Without Sacrifice".

Outreach to the community. Earth Day open houses[*12] were held at PEC offices in Bertram, Canyon Lake, Cedar Park, Junction, Kyle, Liberty Hill, Marble Falls, Oak Hill, and at PEC's headquarters in Johnson City on April 20, 2011. All members were invited to attend. Event attendees learned simple ways to conserve resources, received complimentary CFLs, and were eligible to win $50 PEC Give-A-Watt gift checks.

As part of Pedernales Electric Cooperative's ongoing effort to reduce costs and conserve energy, PEC implemented *Together We Can Beat the Peak in 2011*[*13]. Through this voluntary program, the Cooperative worked with its members to establish a clear understanding of how the price PEC pays for electricity fluctuates and peaks between 2-6 p.m. from June through September. More than 800 members participated in the 2011 program.

PEC teamed up with Touchstone Energy to present a free energy efficiency workshop for schools located in the Co-op's service area. The workshop was held on August 9, 2011, at the PEC Training Center in Johnson City. The event provided school personnel with tools and resources to identify low-cost, no-cost ways to save energy. The training focused on sound maintenance procedures that increase energy efficiency in existing buildings.

PEC conservation staff was on hand at the 2011 PEC Annual Meeting to answer conservation related questions. They also used the opportunity to register approximately 135 members to participate in the *Together We Can Beat the Peak in 2011* program. Those members registering for Beat the Peak program received CFLs and Green Works tote bags.

PEC members and the general public were invited to attend a conservation forum[*14] held at Woodcreek City Hall on October 27, 2011. The Co-op's conservation staff gave demonstrations and provided insight on energy efficient practices such as caulking, weather-stripping, and insulation. Forum attendees received a free CFL and participated in drawings to win a home-weatherization kit, a water-heater timer, and one of two $50 PEC Give-A-Watt gift checks.

PEC partnered with the Texas Solar Energy Society to host the Hill Country Solar Tour[*15] on October 1, 2011. The event featured residential and commercial solar installations in Oak Hill and Dripping Springs, as well as educational presentations from representatives of the Co-op and ImagineSolar. The tour highlighted solar installations at four PEC members' homes, and commercial installations at PEC's Oak Hill Office and the Wesley Gallery in Dripping Springs.

Demand response

As part of its demand reduction strategy, the PEC membership participated in demand response programs designed to reduce the membership's peak demand and help ensure a reliable electric grid. During 2011, the PEC membership participated in load curtailment and load management programs and achieved instantaneous demand reductions in excess of 10MW. PEC's programs target residential, commercial, and industrial members to reduce their energy demand during on-peak periods and emergency conditions. PEC members have participated in the ERCOT emergency interruptible load service, or EILS, since 2008 and continued their participation in 2011. During 2011, PEC complemented its existing demand response initiatives with the introduction of the Beat the Peak program and a direct load control pilot program. As mentioned earlier, PEC's Beat the Peak program is an educational program designed to achieve demand side reductions for area businesses, schools, and residences. This program educates members on energy management and market conditions to transform how people and organizations think and act toward energy use. In an effort to determine the viability of direct load control, PEC partnered with the Lower Colorado River Authority, our primary wholesale power supplier, to develop a pilot project to test demand response through cycling air-conditioners, water heaters and pool pumps.

Distributed resources

Distributed resources (DR) are defined as generation on the demand-side, rather than on the supply-side. Distributed resources are generally connected to distribution or service voltages. PEC supports its members' involvement with implementing DR through several methods. PEC currently has 149 DR systems interconnected. Those interconnects consist of 124 solar and 25 wind installations with a total rated capacity of 624 kW.

Interconnection policy. PEC has an interconnection policy in place for members wishing to interconnect their DR systems. The policy allows for net metering within a billing cycle for interconnected systems up to 20 kW of connected DR. In addition, PEC will purchase any excess energy from the DR at PEC's avoided cost. The Cooperative does not charge a monthly interconnection fee in support of interconnection. For projects greater than 20 KW, PEC reviews with the member unique requirements that may be needed to interconnect to the distribution system. Both the Interconnection Policy[*16] and Agreement for Interconnection[*17] are available on the Co-op's website.

DR website information. As discussed above, PEC's website has many tools to assist members in the determination and application of DR practices[*18].

Please Note: * Indicates program materials or additional information is included (as requested in #4 on the Data Entry Form).

POWER OF COMMUNITY
PEDERNALES ELECTRIC COOPERATIVE

Attachment 1
Rebate Programs

Member Rebate Programs

Pedernales Electric offers a variety of rebates for our residential and commercial members, and there are several other incentive programs for which PEC members may qualify.

HVAC Rebate Program

PLEASE NOTE: Rebate requests processed after Dec. 31, 2011 will receive a bill credit toward the PEC account entered on the HVAC Rebate Application form.

Are you considering replacing your heating, ventilation and air conditioning (HVAC) system? When purchasing a new HVAC system, discuss the Seasonal Energy Efficiency Ratio (SEER) with your installation contractor or Pedernales Electric representative. The SEER helps you calculate the annual cooling costs of a particular system. Much like a vehicle's miles per gallon, the higher the SEER or miles-per-gallon rating, the less expensive it is to operate that HVAC system or vehicle. PEC's HVAC Rebate Program offers rebates for retrofit systems installed after Jan. 1, 2012.

Attachment 1
Rebate Programs

Available HVAC Rebates

Steps to Your Rebate

- After your unit is installed, download the HVAC Program Information sheet and complete an HVAC Rebate Program Application or call PEC to request a copy of the documents.
- You must provide a copy of an Air-Conditioning, Heating, and Refrigeration Institute (AHRI) certificate and the invoice with your rebate application. Ask your HVAC contractor to provide these documents.
- You may e-mail, fax or mail the documents as indicated on the application.
- Upon receiving your documents, a PEC representative will verify and process your rebate request.

Rebate requests will not be processed without the required documents.

Rebates

A PEC account bill credit will be processed after verification. Bill credits should be processed within three to five weeks. The rebate structure is outlined below.

Tier	SEER	EER	A/C with Gas Furnace	Heat Pump
1	15.0	12.5	$300	$400
2	16.0	13.0	$350	$450
3	17.0 and above	13.5	$400	$500

Dual-fuel heat pumps are paid at the heat pump rate.

Rebates for ground- or water-source heat pumps are $1,000.

Systems that were installed in 2011 and meet that year's HVAC Rebate Program equipment standards and guidelines will be paid under that rebate structure. Applications for 2011 installations will be accepted through Feb. 29, 2012.

Attachment 1
Rebate Programs

Equipment Standards

- HVAC efficiency requirements are a minimum SEER of 15 and a minimum EER of 12.5, as rated by the AHRI.
- If the heating source is a heat-pump system, a minimum Heating Seasonal Performance Factor of 7.0 is required.

Guidelines

- New-construction installations are not eligible for this program.
- Rebate forms will not be accepted from dealers; only members in the PEC service area are eligible.
- Both indoor and outdoor units must be replaced on the same installation date to be eligible for rebates. The replacement of those systems must include the outside condensing unit, indoor evaporator coil, fan section and heating system (except those with a gas furnace). Partial replacement systems are not eligible for rebates.
- Central A/C systems with electric furnaces are not eligible for rebates.
- Window units are not eligible for rebates.
- Those units not listed in the AHRI directory will require an engineering certificate to verify the SEER rating. This includes units that have one brand of condenser unit with another brand of evaporator coil.

Please note, PEC's HVAC Rebate Program is subject to change without prior notice.

Use this interactive tool developed by Touchstone Energy® Cooperatives to see how much you can save when you upgrade your HVAC.

Attachment 1
Rebate Programs

Commercial Lighting Rebate Program

Lighting accounts for more than 40 percent of commercial-sector electricity consumption in the United States. Updating your business's lighting is a great way to start reducing overhead costs.

PEC can help. Our Commercial Lighting Rebate Program offers incentives to help members install efficient lighting in existing commercial buildings and new commercial construction. Rebate amounts are based on kilowatts (kw) of reduced electricity. You could qualify for rebates of $150 per kw reduced for new construction or $300 per kw reduced for existing buildings.

The program offers rebates to commercial members who purchase electricity from PEC for lighting installed at facilities within PEC's service area. Download the application to get started.

Available Commercial Lighting Rebates

The commercial lighting rebate structure is outlined in the table below. Rebate payments will be mailed within 10 working days of the final inspection.

	New Construction	Existing Buildings
Kilowatts Saved	Rebate per kw Saved	Rebate per kw Saved
20-29	$75	$150
30-39	$100	$200
40-49	$125	$250
50 or more	$150	$300

How to Get Your Rebate

- Submit a Commercial Lighting Rebate Program Application. Applications are available on our website, at any PEC office or via fax.
- After you receive the application, a Pedernales Electric representative will meet with you to review the information you submitted and conduct a preliminary survey to estimate the kilowatt (kw) reduction on the project.
- If the preliminary survey determines the project will result in a 20 kw or more reduction, you will be eligible to participate in the program.
- After lighting is installed, PEC will perform a final inspection. During this inspection, the representative will complete the Summary for Rebate to verify the lighting systems installed and determine the actual kw reduction and rebate amount.

Attachment 1
Rebate Programs

Guidelines

- Pedernales Electric's Commercial Lighting Rebate Program offers rebates to commercial members who purchase electricity from PEC for lighting installed at facilities within our service area.
- A lighting installation must reduce demand by at least 20 kw to qualify. Members must provide all information requested on the program's required forms.
- A member must receive preliminary approval from Pedernales Electric. PEC will review all forms for eligibility, completeness and accuracy.
- Pedernales Electric will identify any specific calculations that do not meet program guidelines. PEC reserves the right to refuse unreasonable estimates.
- Equipment installation must be made within one year of the preliminary approval date. The applicant must request changes to the time limit in writing, and PEC must agree to them. Failure to meet approved deadlines may result in denial of the rebate.
- Pedernales Electric is not responsible for any taxes that may be imposed on the member as a result of projects installed under this program.
- If disputes arise regarding member eligibility, energy-saving potential of proposed projects, amounts of rebates or other issues, members may submit data in support of their position. PEC, however, will make the final determination on these issues.
- Pedernales Electric reserves the right to change or terminate this program at any time but will honor all projects with an approved preliminary survey form, provided that project installations are completed within the time specified.

More Ways to Save

Residential

- Federal Tax Credits for Consumer Energy Efficiency
- FHA Energy Mortgage Program
- Renewable Energy Systems Property Tax Exemption
- Weatherization & Intergovernmental Program
- VA Energy Mortgage Program

More Resources

- Home Energy-Efficiency Rebate Information
- State Energy Conservation Office: Funding and Incentives
- Texas Powerful Smart
- Texas Is Hot
- The Tax Incentives Assistance Project
- Database of State Incentives for Renewables & Efficiency

Commercial & Agricultural

- Renewable Energy Systems Property Tax Exemption
- Solar Energy Devices Franchise Tax Deduction
- Energy-Efficient Commercial Buildings Tax Deduction

Attachment 1
Rebate Programs

- Business Energy Investment Tax Credit
- Renewable Energy Grants
- Energy Efficiency Grants for Farms and Rural Businesses
- Renewable Energy Grants for Farms and Rural Businesses

Manufacturing

- Renewable Energy Credit Program
- Solar Energy Devices Business Franchise Tax Exemption
- Database of State Incentives for Renewables and Efficiency

Government

- Energy Efficiency and Conservation Block Grant (EECBG) Program
- Rural Energy for America Program Grants

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Attachment 2
Texas Co-op Power

Area students share innovative energy ideas through 2011 Youth Tour Contest

PEC is committed to enriching our local communities and providing exceptional service to the members we serve. Preparing for the future of the energy industry is also a top priority. With these ideals in mind, we encouraged area high school students to enter our 2011 Youth Tour Contest and share their visions for green jobs, products and services benefiting Central Texas.

Five hundred students entered our essay contest, which rewards six teens with the opportunity to travel to Washington, D.C., and participate in the National Rural Electric Cooperative Association's Youth Tour program.

On Nov. 20, 2010, an independent panel of judges selected PEC's six student representatives after hearing presentations on a variety of innovative energy ideas and power sources, including algae biofuel, human-generated energy, glass recycling, solar energy and hydropower.

Our winners include (left to right, back row): Jennifer Rudd, Lindsey Ulin, Kelsey Abbott, Alex Crouch, Connor Crawford and Michelle Brucato. The winners were selected by independent judges (seated): Mark Butland, Austin Community College; Cathy Redson, ImagineSolar; and Ti Mougne, Lower Colorado River Authority.

"We were really impressed with the sophistication and quality of the essays we received this year," said PEC Communications Manager Michael Racis. "We are proud to have our winners represent PEC."

The six winners will join other teens from across the country this June in our nation's capital, where they will meet with their congressional representatives and visit historic sites, including the Lincoln Memorial, WWII Memorial, Mount Vernon, Capital Hill and the U.S. Supreme Court.

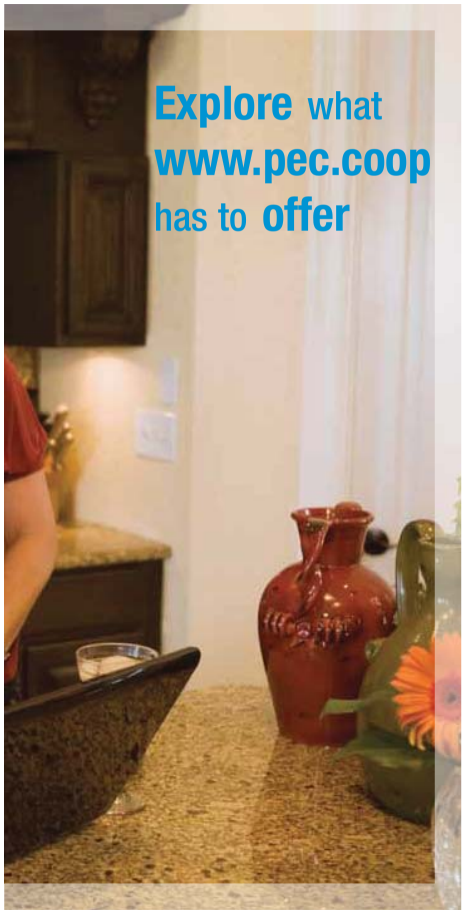
To learn more about these students' green ideas, read their winning essays at www.pec.coop.

PEC passes LCRA refund on to members

PEC is returning to members all of a $10.4 million refund from the Lower Colorado River Authority, our main power supplier. While the majority of the refund will be reflected in a one-time power cost reduction on your January bill, PEC also used part of the refund to keep prices stable in October and November.

Since we are a distribution cooperative, and do not own power generation facilities, we buy the electricity we distribute from wholesale suppliers such as LCRA. LCRA is a cost-based entity, so it returns excess revenue to wholesale customers when its revenues exceed its financial reserve requirements.

If you would like to learn more about our rates, please visit us online at www.pec.coop/Home/Energy_Services/Rates.aspx.



Energy & Cost Savings

Members also visit our website to learn how to save money and energy, so we have uploaded the following interactive conservation tools to help you save both.

- **MyUse Energy Analyzer** — An online tool that you can access to find out how much energy you're using on a daily basis.
- **Conservation videos** — New videos show you step-by-step how to save energy and money.
- **Touchstone Energy Virtual Home Tour** — You can see how making small changes can add up to big savings. Also tour the U.S. Department of Energy's interactive home.
- **PEC rate calculator** — Input your kilowatt-hours to estimate your monthly bill.

A New Section for Kids

PEC's new Kids Zone makes it fun for children ages 6 to 13 to learn about power, energy savings and electrical safety. You'll find these activities which parents and teachers can use to show children how to save energy at home and at school:

- **Renewable energy farm**
- **Memory match game**
- **"Lights out" game**
- **Storybook**
- **Coloring pages**
- **Energy-saving tips**
- **Rules for electrical safety**

Q: What is paperless billing, and why should I enroll?
A: When you enroll in paperless billing, you agree to have PEC send your monthly electric bill via e-mail instead of in the mail. Not only does paperless billing help the environment, it also ensures that your bill won't get lost in the mail. Plus, you can receive your bill even if you're out of town, simply by logging into your PEC account.

Q: How can the new website help me save money?
A: You can access MyUse Energy Analyzer to find out how much energy you're using, then adjust your use and watch the savings grow. You also can watch our conservation videos or visit the Touchstone Energy Virtual Home Tour and U.S. Department of Energy home to learn how caulking, turning off lights and adding insulation can turn into big savings.

Attachment 2
Texas Co-op Power

Do it Yourself | Weatherstripping doors and windows

1 After purchasing the appropriate weather strip for your project, measure the area you are sealing twice before cutting one continuous piece.

2 Apply weather strip along the entire window or doorjamb, making sure it meets tightly at corners.

3 Shut the window or door and check for a snug fit, without making it difficult to close completely.

Savings

Potential earnings: Around $55 per year, depending on how many doors and windows are sealed.

Total project cost: Low to moderate cost, depending on the type and amount of strip used.

Is your washer more than 10 years old?

If so, you could be paying more than $135 extra in energy costs each year. Consider replacing your outdated clothes washer with an ENERGY STAR-qualified model and reap the rewards:

- Use only 10-20 gallons of water per load, compared to 30-35 gallons.
- Wash fewer loads — qualified models do not have bulky agitators that take up space.
- Save enough money over time to pay for a matching dryer.

Dripping Springs Middle School students Cara Swift, Hunter Milam and Brynn Brewer learn more about energy conservation through the PowerHouse program, which is being presented to more than 1,800 area sixth-graders.

PowerHouse program teaches conservation

Pedernales Electric Cooperative is helping sixth-grade students at Central Texas schools learn how to save money on their parents' electric bills, as well as practice energy conservation. The students have been conducting energy audits in their own homes through the PowerHouse™ energy investigation program, which PEC is presenting to about 1,850 sixth-grade students in the science classes of area schools for the 2010–11 school year.

Courtney Grieser, a science teacher at Marble Falls Middle School, applauds the program's practical approach. "Having the PEC PowerHouse program visit our science classes has been a great way to get students involved in energy conservation," she said. "The program helped them understand how much energy is actually being used and what it really means to 'go green.'"

Students completed questionnaires in their PowerHouse books, then took their books home and conducted energy audits, noting facts about their energy use. The results of their investigations were analyzed, and each student received a personalized report showing patterns of energy use, as well as energy-saving tips. Back in the classroom, students took part in an interactive review of their personalized home energy reports.

"I learned how important it is to always turn off the lights," said Brynn Brewer, an 11-year-old Dripping Springs Middle School student. "Now I notice a lot more when our lights are left on, and it bugs me. I'm responsible for turning all the lights off when my family leaves."

"One of the benefits of this program is that the students get their parents involved, and then the parents become engaged in finding ways to save energy around the house," said PEC Assistant General Manager Jeanell Davis. "This kind of exercise helps us make a conscious effort to change habits. Small changes can lead to big savings."

PEC sponsors PowerHouse in partnership with the Lower Colorado River Authority.

Attachment 2
Texas Co-op Power

Do it Yourself | Changing or cleaning old air filters

1 After purchasing the correct-sized filter, remove your system's protective grill, dusting as needed.

2 If using a disposable model, simply insert new filter. If filter is reusable, vacuum or sweep the filter with a brush.

3 Replace your system's grill. Check filters every month; it's recommended to replace or clean at least every three months.

Savings

As much as half your electric bill can go toward heating and cooling. A dirty filter restricts air flow, making your HVAC system work harder. Frequently changing filters can reduce your system's energy use and electric costs by 5 to 15 percent.

Refrigerator leaving you in the cold?

ENERGY STAR-qualified refrigerators are 20 percent more energy efficient, helping you save money and energy. In fact, replacing a fridge from the 1980s can save as much as $100 a year in energy costs. Consider these features when upgrading:

- Most efficient refrigerators are 16 to 20 cubic feet — larger models consume more energy.
- Fridges with top-mounted freezers use 10 to 25 percent less energy.
- Evaluate ice makers and water dispensers — they increase energy use by 14 to 20 percent.

The Pedernales Electric Cooperative Conservation Blog

CONSERVATION

We have started the conservation conversation—now all we need is your input! PEC has launched its first online blog, dedicated to ongoing member discussion of conserving energy and saving money.

The *CO-OP Conservation Blog* features a new post online each week, where PEC's energy experts share energy-wise advice and answer your questions. We encourage you to join the discussion by posting comments, experiences and related stories.

Do you have a money-saving tip or a unique way to cut down on your electric bill? Share your knowledge with your fellow PEC members and our bloggers.

Join the conversation today and learn more about energy efficiency, savings and projects online at www.pec.coop. There, you can also watch a new video featuring our expert bloggers and read the *CO-OP Conservation Blog* guidelines.

Meet our conservation bloggers

With almost 50 years combined experience, the *CO-OP Conservation* bloggers bring a wealth of knowledge, industry experience and conservation expertise to members every day. Learn more about our new bloggers:

Brian Curtsinger
Brian has been with PEC for more than 20 years, and his experience in commercial maintenance and residential construction is key for home energy audits. "It gives me a good, rounded background in maintenance and construction, especially on the home side of things."

Chris Denison
Chris is the go-to guy when it comes to understanding the thermodynamics of air conditioning and heat transfer. With 15 years experience in residential and commercial construction, Chris is a great fit for PEC's blog.

Joe Paramo
As PEC's conservation supervisor, Joe oversees the conservation group. He has extensive knowledge of troubleshooting and installing HVAC systems, helping make him an expert in air conditioning, refrigeration and heating.

2011 Board election calendar

This year's election process is already under way, with a director position in both Districts 2 and 3 up for election. Save these key election dates.

April 4
Deadline for candidates to submit completed nomination-by-petition materials.

April 12
Director candidate orientation at PEC's headquarters in Johnson City. This orientation outlines, for verified candidates, the role, responsibilities and expectations of the Board of Directors.

April 18
Planned anouncement of candidates by Board.

April 28
Director candidate forum at PEC's headquarters in Johnson City. At this public forum, Board candidates will communicate their credentials, experience and views to members.

May 4
Deadline for mailing ballots, candidate biographies to members. Online voting opens.

June 10
Online and mail-in voting ends.

June 18
PEC Annual Meeting in Johnson City. This is the last chance to vote in person, and election winners will be announced at the end of the event.

Attachment 2
Texas Co-op Power

Do it Yourself

Energy-efficient landscaping

1 Plant deciduous trees near windows for shade during the summer and filtered sunlight in the winter. A 6-foot tree will provide shade in its first year.

2 Use shrubs or trees to shade air conditioners and increase efficiency by up to 10 percent. Be careful not to crowd or plant too close to equipment.

3 Evergreens keep their foliage year round and can help block wind when it is hot or cold.

Savings

The U.S. Department of Energy estimates that trees can reduce energy needs for heating and cooling by 25 percent, and three well-positioned trees will save the average household between $100 and $250 annually.

Free electricity—right in your own backyard

Look to the sun, or more specifically, solar lighting options that can harness the power of daylight. Outdoor solar lights are easy to install and virtually maintence free, making them the perfect complement to your energy-efficient landscape.

- Place lights in areas that will receive direct sunlight. Placing them in partially shaded areas will affect battery charging and performance.
- Consider installing a variety of solar-powered lighting, including walkway, security and decorative lights.

How much electricity did you use today?

Check MyUse online at www.pec.coop to find out

With our convenient MyUse Energy Analyzer tool, you can easily track your daily electric use and monitor how much money you spend on powering your home each day. This information can help you become more aware of how much energy you are using, making it easier to pinpoint where potential energy and dollar savings exist.

Visit www.pec.coop today and sign in or create an online account to start checking your use.

Once you see how much energy and money you could possibly be saving, challenge yourself to make little changes that can add up to big savings. Simply turning more lights off, adjusting your thermostat and lowering your water heater a few degrees are easy ways to save energy and money each month.

Date	Charge	kWh	Low Temperature	High Temperature
3/8/2011	$3.52	28	60	83
3/9/2011	$2.14	14	38	69
3/10/2011	$2.34	16	31	70
3/11/2011	$2.44	17	29	75
3/12/2011	$2.73	20	55	80
3/13/2011	$3.82	31	61	74
3/14/2011	$4.41	37	40	69
3/15/2011	$3.03	23	33	72

MyUse benefits

- Monitor and control your daily electric use.
- Receive a midpoint notification of what your unbilled use is to date helping you budget each month.
- With MyUse you can see patterns of high electric use.
- See how electric use fluctuates depending on the temperature outside.

Attachment 2
Texas Co-op Power

Do it Yourself

Energy-efficient window coverings

1 When completely closed and lowered, highly reflective blinds can reduce heat gain by up to 45 percent during the summer.

2 Blinds can control light and heat distribution. They also reflect and diffuse light off ceilings without much heat or glare, helping save on lighting costs.

3 Close window draperies to block the sun's heat during warmer months and block cold air during the winter.

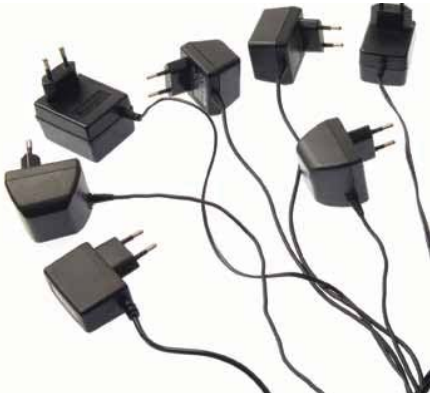
Savings

Using energy-efficient interior window coverings can help keep your home cool and comfortable as the temperatures continue to rise outside. Making these simple changes can help shave about $30 off your annual electric costs.

You're getting charged for that

On average, U.S. homes waste $100 a year on "vampire power" when electronics continue to use power when not in use. Chargers for cell phones, cameras and laptops are energy vampires, as they draw electricity when they are done charging.

- Unplug chargers when not in use.
- Consider purchasing a "smart" charger, which will stop the flow of power to your electronics when they are fully charged.
- Research different models—some chargers can avoid wasting energy by more than 85 percent.



Together we can BEAT THE PEAK

A message from the CEO on a new Cooperative initiative

Cooperatives are unique organizations that have a special partnership with their members. At PEC, you are not just a regular utility customer — you are a member-owner who holds a special financial interest with the Co-op.

As your electric cooperative, we strive to provide superior service at a fair cost. We have already taken measures to lower our costs, reducing our operating expenses by 10 percent last year. We will continue to reduce operational costs. We will also focus on reducing our cost of power, and this is an area where the Co-op and the membership can work together. When we save, you save too, because this is your Co-op.

Power costs account for the majority of PEC's total operating expenses — almost 68 percent last year. A large part of the power supply cost is determined by the amount of energy used and maximum level of power required during "peak" periods, when members are using the greatest amount of power. This is when electricity is most expensive, and those higher costs must be passed on through our power cost adjustment.

Together, by reducing power consumed during "peak" periods, we can reduce our power supply costs. That's why we're starting the *Together We Can Beat the Peak* program. The program serves as an opportunity to reduce costs, all while educating our community about the Co-op's peak times of electric use and related power supply. If every member shifts two kilowatt-hours of electric use to an off-peak time every day, we've calculated the Co-op can save more than $2 million in four short months! If together we are able to reduce our power costs, we can pass on these savings to you through our power cost adjustment.

We are excited to launch this new program and look forward to the positive results and cost reductions we will achieve together. By working together to reduce electric demand, we can lower our power costs and Beat the Peak.

RB Sloan
CEO PEC

Attachment 2
Texas Co-op Power

Time is money

During peak hours, we pay approximately 2.5 times more for electricity

What is an energy peak?

An energy peak occurs when the demand for electricity on our system is greatest. During our peak hours in June through September, between 2 p.m. and 6 p.m., the cost of energy increases significantly. We must pass these higher costs to you through our rates, which impacts your monthly electric bill. By simply shifting or conserving electricity during our peak times, we lower our cost of power.

How will we benefit?

Together, if we shift our electric use to off-peak periods when power costs are lower, we can work to avoid higher power costs. If each member would shift just two kilowatt hours of energy every day during our peak we all stand to save more than $2 million during the hot summer months. More than 68 percent of our operating expenses are spent on purchasing power, so Beat the Peak helps keep costs down. If together we are able to shift use and reduce our power costs, we can pass on savings through our power cost adjustment. Working together, we can Beat the Peak and enjoy the collective savings!

How can you get involved?

Beginning in June, just call, visit an office or go to **www.pec.coop** to enroll in this new initiative to help Beat the Peak and receive email and/or text message reminders periodically.

Beat the Peak

Beating the peak is easier than you think! Simply making these small changes every day can add up to big savings.

Avoid using your major appliances

Before or after our peak period, between 2 p.m. and 6 p.m., is the best time to wash clothes and dishes.

Raise your thermostat 3°

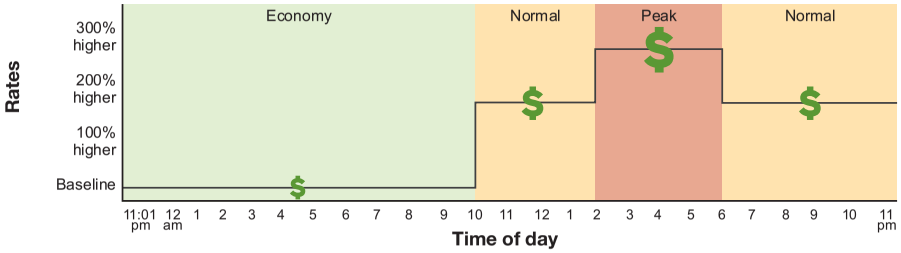
This small adjustment during the summer will help you save, most likely without you even feeling the difference. Use ceiling fans to help circulate air, too.

Delay using hot water

Water heaters are big energy users, so shower and wash clothes and dishes during off-peak periods.

Our power costs, June — September

As you can see, it costs much less to use electricity during the economy and normal rate periods than during the peak-load periods. This shift can help all of us pay lower power costs.



Do it Yourself

Energy-efficient solar window screens

1 Measure the width and length of your window to determine the size solar screen needed. Purchase a screen to the nearest sixteenth of an inch.

2 Assemble permanent solar screen by connecting frame and attaching screen. Local home improvement stores have a variety of screen colors available.

3 Place the assembled screen in the window's lower channel, ensuring it fits. Snap solar screens into place, replacing any existing screen.

Savings

According to the U.S. Department of Energy, exterior window shading is the best way to reduce heat build up. Shielding windows can help reduce interior temperatures by as much as 20 degrees. **Watch how to install solar screens by visiting www.pec.coop.**

Sun block for your windows

Exterior solar screens help block the sun's heat and light from absorbing through your home's windows. Blocking this absorption will make your home feel cooler and more comfortable during the summer—without adjusting your thermostat.

- Most effective on east- and west-facing windows.
- Solar screens come in a variety of sizes and colors to make your home's exterior.
- Depending on which material or mesh screen you choose, you could block between 70 and 90 percent of the sun's rays.

Attachment 2
Texas Co-op Power

Beat the Peak 2 6

Together We Can Beat the Peak. It's easier than you think!

From June through September, the Co-op pays significantly more for electricity between 2–6 p.m. Shift your use, help reduce power costs and Beat the Peak with these energy-wise tips!

Tip 1 Cooling your home during the hot summer requires quite a bit of energy — **the average air conditioner uses more than 1 kWh an hour.** You can still help beat the peak by simply adjusting your thermostat up 3°. This small change conserves electricity without sacrificing comfort.

Tip 2 **Delay doing laundry until the peak is over and you will avoid using more than 5 kWh during our peak.** Instead, wash and dry clothes in the early morning or later at night. Washing with cold water is another smart way to save energy.

Tip 3 Wait to clean your kitchen or wash dirty dishes. **Shifting one load of dishes will save 1 kWh of power per hour during our peak.** Save even more electricity by allowing dishes to air dry.

Tip 4 As you and your family return home for the day, limit the number of lights you turn on inside your home, and always remember to turn the lights off when you leave a room. **You can avoid using .1 kWh per hour during the peak!**

Together we can Beat the Peak

Join the Beat the Peak program and help your Co-op reduce power costs. Between 2-6 p.m., from June through September, the price PEC pays for electricity rises sharply. By shifting use away from these hours, we can work together to reduce costs. And when we save, you save too, because PEC is your Co-op.

Join the Beat the Peak team today at www.pec.coop. >>

PEC joins Facebook!

"Like" us and take advantage of our new social media features

At your Co-op, we are continuing to find new ways to quickly and easily communicate and interact with you and our 200,000 other members.

Now the Co-op has joined Facebook, the most popular online social network. With Facebook, you can connect with your Co-op and fellow members, see the latest programs we offer and learn more about the benefits of Co-op membership.

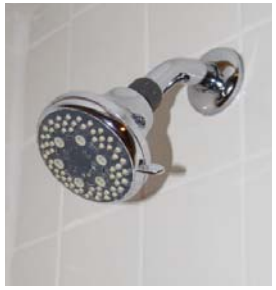
Simply search for Pedernales Co-op to find us and start connecting today!

Get the latest PEC news, updates and information by following us on Facebook, Twitter, LinkedIn and YouTube, or simply subscribe to our RSS feed.

Attachment 2
Texas Co-op Power

Do it Yourself

Installing low-flow showerheads



1 Turn off water and unscrew old showerhead. Take note of whether your showerhead does or does not have threads.

2 For maximum efficiency, purchase a low-flow showerhead with a flow rate of less than 2.5 gallons per minute. Be sure to check if threads match.

3 Install new low-flow fixture. Turn water on, check for a proper seal and start conserving water and energy immediately!

Savings

Low-flow showerheads reduce hot water use, which can save you money on your electric bill. If your showerheads are more than 20 years old, consider replacing them. You can purchase a quality version for as little as $20 and achieve water savings of 25 to 60 percent.

Extending power safely and efficiently

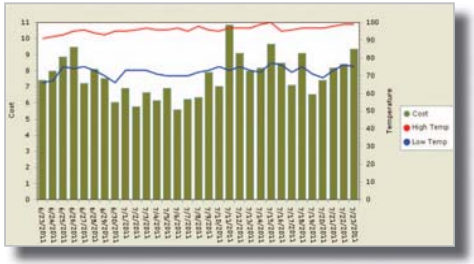
While extension cords can be incredibly handy during home improvement projects, they can pose some hazards. Complete summer projects safely by following these tips:

- Ensure you're using the proper cord for your projects. Clearly label cords "indoor" or "indoor/outdoor." Using an indoor cord outside can lead to overheating and short circuits.
- Avoid "overpowering" extension cords. Power requirements vary widely for household tools and devices. Check each device and cord's power rating to avoid overloading.

How much energy are you using?

Log in to MyUse to find out!

Date	Charge	kWh
7/31/2011	$9.50	90
8/1/2011	$7.94	74
8/2/2011	$7.75	72
8/3/2011	$7.85	73
8/4/2011	$9.98	95
8/5/2011	$8.62	81
8/6/2011	$7.94	74
8/7/2011	$7.85	73
8/8/2011	$10.28	98



MyUse Reports

MyUse offers a variety of reports, including unbilled, last billed and historical use.

Our convenient online conservation and energy management tool, MyUse Energy Analyzer, continues to be a success with Co-op members! With MyUse, you can easily track your daily electric use and monitor how much money you spend on powering your home each day.

Once you see how much energy and money you could possibly be saving, challenge yourself to make little changes that can add up to big savings. Simply turning more lights off, adjusting your thermostat and lowering your water heater a few degrees are easy ways to save energy and money each month.

How to access MyUse

Log in to your online PEC account through our web site, www.pec.coop. If you don't have an online account, simply register as a new user through our home page.

How often are you checking your use?

On average, about 10,000 members are checking MyUse reports each month!

Check www.pec.coop for home directions and more details!

Join us on our solar home tour!

We have partnered with the Texas Solar Energy Society to host a tour of energy-efficient, solar Hill Country homes.

Saturday, Oct. 1

Guide to going solar
10:30 a.m. — Noon
PEC's Oak Hill Office
9115 Circle Drive, Austin, TX

Self-guided home tour
Noon — 6 p.m.

Attachment 2
Texas Co-op Power

Your teen could win a trip to our nation's capital!

WHAT'S YOUR GREEN VISION?

Share it with us and you could win a week-long trip to

Washington, D.C.

Visit www.pec.coop, any PEC office or contact your school for more details!

PEC's 2012 Youth Tour Contest

2011 Youth Tour winners visited several historic sites, including:

- Arlington National Cemetery
- U.S.M.C. War Memorial
- Capitol Hill
- U.S. Supreme Court
- Lincoln Memorial
- Tomb of the Unknowns
- Vietnam Veterans Memorial
- Mount Vernon
- Washington National Cathedral
- Smithsonian Institution
- World War II Memorial

Do it Yourself | Maintain an efficient water heater

1 Though your tank looks normal on the outside, sediment buildup inside can make your water heater work harder. Removing sediment can conserve energy.

2 Lower your water heater temperature and save. For each 10°F reduction, you can save 3–5 percent in energy costs. The recommended heater setting is 120°F.

3 Installing a timer helps save energy by turning off your water heater when you're not using it — such as overnight or while you're on vacation.

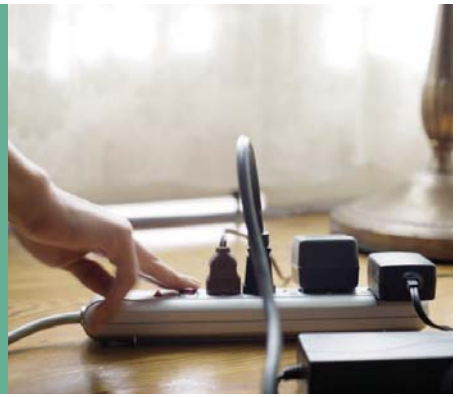
Savings

Water heating can account for 14 to 15 percent of the energy consumed in your home. Maintaining your water heater and simply adjusting settings can lead to substantial savings each month.

Strip away extra energy costs

Switching power strips off can help you conserve energy and save money by cutting off power to "energy vampires" — home electronics that continue to draw energy even when they are not in use. Power strips are useful for several devices, including:

- Televisions
- DVD players and gaming systems
- Chargers
- Home office equipment, including computers and printers



Attachment 2
Texas Co-op Power

Committed to helping students succeed

As part of the Co-op's ongoing commitment to education in the communities we serve, PEC's Partners in Learning program has made $1,000 contributions to 17 education foundations. These organizations were established to benefit students by supplying funding and support for innovative academic programs, grants and scholarships.

"Pedernales Electric understands the importance of an education to every student in the communities this Co-op serves," said PEC Community Relations Manager Toni Reyes. "Our Partners in Learning program opens up new opportunities for students to succeed in and out of the classroom, and with the help of their teachers, these students will make the most of those opportunities."

2011 Partners in Learning recipients

- Academic Advocates Association
- Austin Public Education Foundation
- Boerne Education Foundation
- Comal ISD Education Foundation
- Dripping Springs ISD Educational Foundation
- Georgetown Partners in Education
- Hays CISD Education Foundation
- Highland Lakes Legacy Fund
- Hill Country Community Foundation
- Johnson City Community Education Foundation
- Lago Vista ISD Education Foundation
- Lake Travis Education Foundation
- Leander Education Excellence Foundation
- Round Rock ISD Partners in Education Foundation
- San Marcos Education Foundation
- Seeking Opportunities, Achieving Results (SOAR) — San Marcos Educational Partners
- Wimberley Education Foundation

Do it Yourself | Testing for air leaks and drafts

1 Feel around windows and door frames with your hands. If you feel cold or hot outside air, you should seal that area.

2 At night, shine a flashlight over all potential gaps while a partner observes from the other side. Light will shine through large cracks.

3 Shut a door or window on a piece of paper. If you can pull the paper out without tearing it, you are wasting energy.

Savings

Properly sealing cracks and openings in your home can significantly reduce heating and cooling costs, improve building durability and create a healthier indoor environment. Visit www.pec.coop/tips for more do-it-yourself ideas and videos.

Don't let money slip through the cracks

Insulation provides a barrier against heat flow, effectively keeping warm or cold air out. The more heat flow resistance your insulation provides, the lower your cooling and warming costs will be. Check your attic insulation and consider replacing it if it's compressed or water damaged.

- Insulation is rated by its thermal resistance, or R-value. Higher R-values are more effective. Check to see what insulation is best for your home by visiting www.ornl.gov and searching for "insulation."

Attachment 2
Texas Co-op Power

Hill Country Solar Tour

Co-op's first solar tour draws impressive crowd

Members learn about solar energy on the tour. This location incorporated solar film into the carport roofing.

Pedernales Electric Cooperative proudly welcomed Co-op members and guests attending our Oct. 1 Hill Country Solar Tour. The event, held in partnership with the Texas Solar Energy Society, was the first of its kind for PEC and featured solar installations in Oak Hill and Dripping Springs, plus educational presentations from the Co-op and Cathy Redson of ImagineSolar.

The tour highlighted solar installations at four PEC members' homes, plus commercial installations at PEC's Oak Hill Office and the Wesley Gallery in Dripping Springs. The tour kicked off at the Co-op's Oak Hill Office, where District 4 Director and Board Vice President Chris Perry greeted members and guests.

"With this event, we are continuing the great tradition of electric co-ops assisting our members," Perry said.

PEC District Planning Supervisor George Esqueda offered insight into the Co-op's interconnection process while Redson explained the benefits of solar technology.

"Texas ranks No. 1 in the U.S. in solar energy potential, and I am thrilled as a PEC member to see my Co-op reaching out to educate and support the use of this technology," Redson said.

Members and guests then continued on the self-guided tour. Ken and Deborah Stedman, whose 6 kilowatt (KW) solar installation was featured on the tour, were proud to showcase their conservation efforts.

"Energy conservation is extremely important to us," said Mrs. Stedman. "Reduced energy costs helped make our buying this house a reality."

Since January, the Co-op has experienced a 33 percent boost in interconnections, with 30 members installing power-generation systems on their properties, 23 of which utilize solar power. This growth mirrors state and national trends, as individuals look to renewable technology to help reduce their electric demand.

"The Hill Country Solar Tour served as a great opportunity to network with industry experts and educate PEC members and the community," said PEC Communications Manager Michael Racis.

Do it Yourself | Fireplace efficiency

1 Keep the fireplace damper closed unless a fire is going. Leaving the damper open allows as much as 8 percent of heated air to escape.

2 Add caulking around the fireplace hearth to prevent air leaks. Also, check the seal on the fireplace flue damper, making sure it is as snug as possible.

3 Keep glass doors closed to avoid even more heat loss. If you don't have glass doors on your fireplace, consider installing them.

Savings

Fireplaces can allow heated air to escape, letting cold air seep into your home. Properly maintain your fireplace and enjoy reduced heating costs. Visit www.pec.coop/tips to learn more and watch additional do-it-yourself videos.

An energy-saving security blanket

Heating and cooling account for more than 50 percent of energy costs in the average U.S. home. You can save 1 percent on your electric bill for every 1° you lower your thermostat during an eight hour period. Turn it down and stay comfortably warm with an electric blanket.

- Electric blankets use between 60 – 100 watts of electricity, costing as little as 8 cents for every eight hours of use.

Attachment 2
Texas Co-op Power

Recycle your tree and spread cheer all year long

The Co-op is recycling natural, undecorated Christmas trees again this year.

This free service is part of our Green Works conservation initiative and continued efforts to enrich our local communities. We will mulch donated trees and distribute the chips to enhance and beautify playgrounds and parks throughout our 8,100-square-mile service area.

We encourage members and the community to drop off their trees from Dec. 27, 2011, to Jan. 6, 2012, during regular business hours at our following offices: Bertram, Canyon Lake, Cedar Park, Junction, Kyle, Lake Travis, Liberty Hill, Manchaca, Marble Falls and Oak Hill.

Visit us online at www.pec.coop for directions to our offices.

PEC's energy-efficient lights shine all month long!

The Co-op continues the tradition of brightening the holidays with its brilliant display of energy-efficient white lights. We invite you to visit our E. Babe Smith Headquarters Building through New Year's Eve to enjoy the festive and energy-wise display.

Scan QR code to watch this DIY video!

Do it Yourself

Update with new energy-efficient lighting

Energy-saving incandescents These new bulbs have a capsule inside that holds gas around a filament, which makes the bulb 25 percent more efficient and last up to three times longer than traditional incandescent bulbs.

Compact fluorescent lamps (CFLs) ENERGY STAR-qualified CFLs use 75 percent less energy, last 10 times longer than traditional bulbs and typically pay for themselves in nine months.

Light emitting diode (LED) LED bulbs use up to 80 percent less energy than the old incandescents they replace and last 25 times longer.

Savings

Beginning in 2012, light bulbs sold in the U.S. will typically use about 25 to 80 percent less energy.

Upgrading 15 incandescent bulbs in your home could save about $50 per year!

QR codes take you straight to the source
Look for QR (short for quick response) codes in future Co-op communications! Simply download a QR reader on your cell phone, and it will scan the code and send you directly to information on our website, www.pec.coop.

A little heat can go a long way

Small space heaters can be a smart, cost-effective way to heat a single room, rather than your whole house. Look for space heaters that are both energy efficient and safe:

- Purchase heaters that have current safety features. Make sure the heater has the Underwriter's Laboratory (UL) label attached to it.
- Choose a thermostatically controlled model to avoid overheating and wasting energy.
- Look for a unit with a tip-over safety switch, which shuts off the heater if it is tipped over.

Attachment 3
Print Advertising

It just takes five minutes.

You're doing the right thing by making small changes around your home. The **conservation tools** on PEC's newly designed website show you just how much money you can save — one small job at a time.

Let the conservation tools on PEC's new website inspire your home improvement.

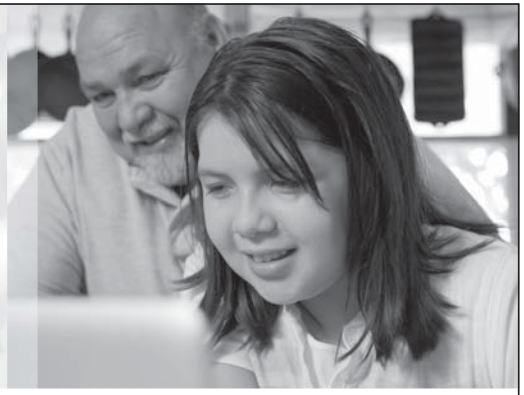
To make your home more energy efficient, visit www.pec.coop. >>

POWER OF COMMUNITY
PEDERNALES ELECTRIC COOPERATIVE

To her, it's all fun and games.

But for you, it's a teaching moment. Visit the **Kids Zone** on PEC's newly designed website, and you'll have a different way to help her learn about electricity, electric safety and energy conservation.

PEC's online games and activities are fun for all ages.



To experience our new Kids Zone, visit www.pec.coop. >>

POWER OF COMMUNITY
PEDERNALES ELECTRIC COOPERATIVE

How do you conserve energy?

Share your story and learn more about energy efficiency, savings and projects on PEC's new expert conservation blog.

Use PEC's new blog to learn how to save money and energy.

Join the conversation at www.pec.coop. >>

POWER OF COMMUNITY
PEDERNALES ELECTRIC COOPERATIVE

We love seeing you.

But if you're short on time, visit PEC's new virtual office at www.pec.coop. Our newly designed website makes it easy for you to **request services** from home, whether you need tree trimming, light repair or an energy audit — because there's not enough time in the day to run all your errands.

PEC's new website is open for business 24/7.

Register at www.pec.coop now. >>

POWER OF COMMUNITY
PEDERNALES ELECTRIC COOPERATIVE

Attachment 3
Print Advertising

Conserve and save with MyUse online

MyUse Energy Analyzer provides members with reports on their daily electric consumption and dollars spent. These reports give members information they can use to conserve electricity and lower their bills.

Take a look at how PEC's website can help you.

Saving money with MyUse is just a few clicks away at www.pec.coop. >>

POWER OF COMMUNITY
PEDERNALES ELECTRIC COOPERATIVE

How much electricity did you use today?

The answer is at your fingertips. Our online MyUse Energy Analyzer can quickly show how much electricity you use each day, helping you take control of your use and monthly bill. Simply log in to your online account to discover how small changes can reduce how much energy you use and save you money.

Let PEC's new website help you save.

Start using MyUse at www.pec.coop. >>

POWER OF COMMUNITY
PEDERNALES ELECTRIC COOPERATIVE

Is it time to replace your AC system?

We can help. A high-efficiency HVAC system can lower your monthly electric bill, and you can save hundreds of dollars with PEC's HVAC rebate program.

Learn more ways to save on PEC's website.

Go to www.pec.coop and type "HVAC" to download a rebate application. >>

POWER OF COMMUNITY
PEDERNALES ELECTRIC COOPERATIVE

Saving money is just a few clicks away.

More than 100,000 PEC accounts are registered on our website. Are you? Enjoy a wide range of free services like MyUse Energy Analyzer, which gives members daily reports they can use to conserve electricity and lower their bills.

Create your free online account today and begin taking control of your electric bill.

Visit www.pec.coop and see the benefits of MyUse Energy Analyzer. >>

POWER OF COMMUNITY
PEDERNALES ELECTRIC COOPERATIVE

Attachment 3
Print Advertising

A window of savings opportunities

Keep your home warm and cozy while still saving money this winter. Open window coverings during the day to let sunlight and warmth in, and close them during the evenings to block out chilly air.

PEC's new website is full of helpful tips.

Learn how window coverings can save you money at www.pec.coop. >>

POWER OF COMMUNITY
PEDERNALES ELECTRIC COOPERATIVE

We make house calls to help you conserve

PEC members can use our 24/7 online office to conveniently request a free energy audit. PEC will then call you to schedule a time when a conservation expert can come to your home and show you ways to lower your electric bill.

Let PEC's new website simplify your life.

Sign in and request an energy audit today on www.pec.coop. >>

POWER OF COMMUNITY
PEDERNALES ELECTRIC COOPERATIVE

Seal off drafts and see real savings

PEC members can go online to see our newest **do-it-yourself video** with simple tips to locate and eliminate drafts. Reducing drafts in your home could save you between 5–and–30 percent each year in energy costs.

Let PEC's new website save you money.

Go to pec.coop/drafts to learn how to find and seal air leaks. >>

POWER OF COMMUNITY
PEDERNALES ELECTRIC COOPERATIVE

Hill Country Solar Tour

Learn the basics of interconnecting with the Co-op and explore solar technology with PEC members, solar installers and our event partner, Texas Solar Energy Society.

Saturday, Oct. 1
10:30 a.m. – Noon, PEC Oak Hill office
PEC Welcome and Solar 101 Presentation

Noon – 6 p.m., Self-guided tour of solar installations in Oak Hill and Dripping Springs

Visit pec.coop/solar or txses.org for more details. >>

TEXAS SOLAR ENERGY SOCIETY

Attachment 4
Twitter

twitter

Search

Have an account? **Sign in**

www.pec.coop
1-888-554-4732

Pedernales Electric

@PedernalesCoop

Pedernales Electric Cooperative, the largest electric cooperative in the U.S., strives to provide reliable electricity at reasonable rates.

Johnson City, Texas http://www.pec.coop

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608 TWEETS

20 FOLLOWING

644 FOLLOWERS

Stay in touch with Pedernales Electric

Join Twitter today

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Tweets

Pedernales Electric @PedernalesCoop 22 Mar
Our crews are working hard to repair a downed line serving the Gabriel Mills, Bear Creek, and Mahomet areas in... t.co/cpCfuQLH

Pedernales Electric @PedernalesCoop 20 Mar
Attention area high school seniors: scholarship apps are due Friday! 5 $5,000 and 25 $1,000 scholarships are available. t.co/8rpJD2Ic

Pedernales Electric @PedernalesCoop 20 Mar
About 550 meters are still without power; crews are working hard and dealing with wet/flooded roads and many miles... t.co/YldKxHPM

Pedernales Electric @PedernalesCoop 20 Mar
Crews are responding as quickly and safely as possible to 136 outages affecting about 1,300 meters throughout... t.co/8VH3vcMH

Pedernales Electric @PedernalesCoop 20 Mar
We anticipate response times will decrease as the storms pass, roads clear, and daylight breaks, but some roads... t.co/u6nKEEeM

Pedernales Electric @PedernalesCoop 20 Mar
Responding to more than 120 outages affecting 2,700 meters throughout our 8000 sq mile area due to storms and... t.co/Wddur9Zm

Pedernales Electric @PedernalesCoop 19 Mar
Storms are headed for us tonight, and we're ready for them! If your power is affected, contact us through our... t.co/XnTw4Xd8

Pedernales Electric @PedernalesCoop 19 Mar
Power has been restored and the transmission pole serving the Blanco area has been replaced. Thanks for your... t.co/XqQDAQMJ

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Pedernales Electric Cooperative

✓ Liked

Energy/Utility · Johnson City, Texas

Wall
- Info
- Friend Activity
- Photos
- PowerOfCommunity
- Questions

425
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80
talking about this

Wall Pedernales Electric Coope... · Everyone (Top Posts)

Share: Post Photo Link Video

Write something...

Pedernales Electric Cooperative
Just one week left to enter the Co-op Teens Power Texas video contest. For official rules and entry forms, visit Texas Co-op Power online. Deadline for entries is April 1.

Texas Co-op Power Magazine - Texas Stories: Co-op Teens Power Texas
www.texascooppower.com

Like · Comment · Share · 6 hours ago ·

Pedernales Electric Cooperative
It's officially spring, and in this gorgeous weather, gardening is so much more fun than spring cleaning.

If you'll be digging more than 16" deep while working in your yard, call 1-800-DIG-TESS at least two days in advance so they can mark any underground electric lines.

> **Dial Before You Dig - Safe Dig Tess Texas - Pedernales Electric Co-op**
> www.pec.coop
> PEC's underground utility lines carry enough electricity to seriously injure or even kill anyone who comes in contact with them. Dig Safe with Dig Tess Texas.

Like · Comment · Share · Friday at 2:38pm ·

3 people like this.

Write a comment...

Pedernales Electric Cooperative
If you missed yesterday's DIY workshop in Bertram, mark your calendar for our next workshop on April 21 at the Oak Hill office!

PEC presents do-it-yourself conservation workshops
www.pec.coop
During 2012, PEC is hosting a series of workshops throughout its service area, offering hands-on exhibits and presentations focused on energy efficiency.

Like · Comment · Share · March 22 at 2:58pm ·

Attachment 5
Facebook

POWER OF COMMUNITY
PEDERNALES ELECTRIC COOPERATIVE

Attachment 6
Conservation Blog

COOP

The Pedernales Electric Cooperative Conservation Blog

CONSERVATION

Don't be afraid to turn your computer off

BY: BRIAN CURTSINGER | MONDAY, FEBRUARY 27, 2012

Brian Curtsinger
Click here for bio

I go to many PEC members' locations and almost every time one thing is constant — their computer runs 24/7.

I often ask why they leave it on all the time, and the most common answer is that they think it is hard on a computer to turn it on and off.

That is a false statement. If it was true there would not be an on-and-off switch.

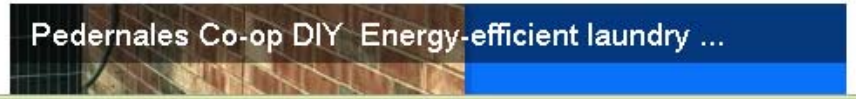
All electronic equipment has an initial burn-in period of about 10 days ...

Read Full Post »

CATEGORY: SAVINGS AND CONSERVATION | COMMENTS (0)

Clean up inefficient laundry habits

BY: DIY CONSERVATION VIDEOS | WEDNESDAY, FEBRUARY 22, 2012



CONTRIBUTORS
Brian Curtsinger
DIY Conservation Videos
Joe Paramo
Chris Denison
PEC Conservation Team

RSS FEED
CLICK TO SUBSCRIBE

CALENDAR

March 2012

	S	M	T	W	T	F	S
9					1	2	3
10	4	5	6	7	8	9	10
11	11	12	13	14	15	16	17
12	18	19	20	21	22	23	24
13	25	26	27	28	29	30	31
14							

POWER OF COMMUNITY
PEDERNALES ELECTRIC COOPERATIVE

Attachment 7
DIY Videos

DIY Videos

PEC produced this series of short, do-it-yourself videos to show members how simple changes can help them save energy and money.

- View Heating and Air Conditioning Tips »
- View Water Heating Tips »
- View Lighting Tips »
- View Miscellaneous Tips »

Heating & Air Conditioning Tips

Seal air leaks for energy efficiency

This do-it-yourself video shows how caulking cracks and gaps can help you seal air leaks and save energy and money.

Energy-efficient window coverings

This do-it-yourself video explains how managing your window coverings can help you manage your heating and cooling costs.

Energy-efficient solar window screens

This do-it-yourself video explains how

POWER OF COMMUNITY
PEDERNALES ELECTRIC COOPERATIVE

Attachment 8
Ways to Save

Conserve & Save

By showing our members new ways to conserve electricity, PEC helps protect our natural resources — and reduce our members' electric bills. Here are some quick ways you can save right now, along with interactive tools developed by Touchstone Energy® Cooperatives that illustrate how efforts to conserve may affect your energy expenses.

A FEW DEGREES MAKE A BIG DIFFERENCE

Raising your thermostat setting to 78 degrees Fahrenheit during the summer or lowering the setting a couple of degrees in the winter can help you save on heating and cooling costs. To keep yourself and your family comfortable, consider using ceiling fans to help circulate the air in your home.

See how much you can save when you adjust your thermostat.

Attachment 9
MyUse Analyzer

POWER OF COMMUNITY
PEDERNALES ELECTRIC COOPERATIVE

Watch. Reduce. Save.

MYUSE ENERGY ANALYZER

Sign up for our MyUse Energy Analyzer and you'll have the power to monitor your electric use and monthly costs, conserve electricity and natural resources, and recognize and change costly habits.

Take Control of Your Energy Costs

Every time you sign into MyUse on our website, you'll see your daily electric use in both kilowatt-hours (kWh) and dollars. It's a clear snapshot of your energy use that helps pinpoint where potential savings exist.

As a MyUse member, you also can receive midpoint e-mail notices that detail your unbilled use and estimated cost — you'll know your electricity costs before we've even printed your monthly bill.

The MyUse Energy Analyzer is available to all PEC members.

Resources

Measure Your Home's Energy Efficiency
Create a custom energy profile and find out how you can make your home energy-efficient.

Together We Save
See how you can save money in every room of your house.

Pedernales Electric Cooperative, Inc.

P.O. Box 1 Johnson City, Texas 78636-0001
www.pec.coop

FOR IMMEDIATE RELEASE December 2, 2011
TO: All PEC-area papers
MEDIA CONTACT: Kay Jarvis, (830) 868-4961

Six high school students win PEC Youth Tour Contest, trip to Washington, D.C.

Six area students have been selected as winners of Pedernales Electric's 2012 Youth Tour essay contest and will tour historic sites and meet local political representatives in Washington, D.C., June 14–22, 2012. The contest winners representing PEC's service area include: Cambria Sawyer, Dripping Springs High School; Katelyn Kelsey, Jack C. Hays High School; Dione Cantera and Jameson Pitts, Lago Vista High School; and Stephen Hall and Jillian Maw, Leander High School.

Nearly 600 students wrote essays for the contest, which also required them to develop Green Works initiatives for their schools, communities or organizations while incorporating a variety of conservation and green-living ideas. The Co-op also encouraged students to include social media tools in their plans.

PEC's Green Works initiative was established in 2007 and represents the Co-op's ongoing effort to advance environmental responsibility, conservation activities and the use of renewable technologies.

"Students did an outstanding job this year and shared really innovative ideas that would benefit their — and the Co-op's — communities," said PEC Community Relations Manager Toni Reyes. "We were all very impressed by their thoughtful and creative initiatives, which ranged from green building design to excavating and recycling trash from the waters of the Pacific."

Twelve student finalists were selected to present their essays at the Lower Colorado River Authority Redbud Center on Nov. 19. An independent panel of judges selected the six students who will join winners from other electric co-ops across the country on the expense-paid June 2012 trip.

The Youth Tour Contest was established by the National Rural Electric Cooperative Association in 1964, and PEC has participated for 30 years. Almost 1,500 young people now make the trip to Washington each year as a result of the nationwide electric cooperative sponsorship.

The six alternates include: Ann Romero, Dripping Springs High School; Kaygan Nielson, Jack C. Hays High School; Caroline Bricker and Bailey Brown, Lago Vista High School; and Amanda Franks and Karrie Hazelwood, Leander High School. One of these students will participate in the event that one of the winners cannot attend the June trip.

Learn more about the contest and watch a video of this year's winners at www.pec.coop/youthtour.

-30-

Attachment 10
Youth Tour Essay Contest

Photograph:

Photograph caption:

Six local students were announced as winners of PEC's 2012 Youth Tour essay contest on Nov. 19 at the Lower Colorado River Authority Redbud Center and will join other electric co-op contest winners from across the country on a June 2012 trip to Washington, D.C. They are shown with the judges who selected them as winners from among 12 finalists and 600 applicants. Pictured in the front row (l to r) are judges Sarah Page with LCRA's Community and Economic Development team, Kevin Clark with Austin Community College and Linda Kaye Rogers, former Youth Tour chaperone. The six Youth Tour winners are pictured in the back row (l to r): Jameson Pitts, Lago Vista High School; Stephen Hall, Leander High School; Katelyn Kelsey, Jack C. Hays High School; Jillian Maw, Leander High School; Dione Cantera, Lago Vista High School; and Cambria Sawyer, Dripping Springs High School.

LOCATIONS
CONTACT US

LOCAL INVOLVEMENT

Calendar of PEC Events

How We're Helping
- Community Grants
- Give-a-watt Gift Checks
- Grant-Writing Assistance
- Habitat for Humanity
- Light the Way
- Livestock Shows
- Member Assistance
- Partners in Learning
- Project Graduation
- Scholarship Program
- Speakers Bureau
- United Charities
- Youth Tour Contest

Newsroom

Power and Safety

Kids Zone

PEC Speakers Bureau

PEC's Speakers Bureau is a free service that offers educational programs on topics such as electrical safety, tree care and energy management. PEC representatives are available to visit community, civic, educational and business groups of all sizes to discuss these and other topics:

- **"Going Green on a Budget"**
  Many Earth-friendly alternatives come with a higher price tag. Learn simple tips to save money while going green.
- **"PEC's Green Works Initiative"**
  Find out more about PEC's renewable, environmental and conservation efforts.
- **"Safe City"**
  See this 3-D model, which highlights electrical hazards that exist outdoors and around the home.

For more information or to schedule a free presentation, complete the form below or call 1-888-554-4732 and ask for the Speakers Bureau. Mention one of these topics or ask about additional topics that might be of interest to your group.

** Required Fields*

* Organization

* Contact Person

* Phone

* E-mail Address

* Presentation Requested

-- Please Select --

* Presentation Date

* Number of Attending

* Presentation Time

* Address Line 1

Address Line 2

* City

Directions

- ☐ Television
- ☐ DVD
- ☐ VCR
- ☐ Screen
- ☐ Dry Erase Board
- ☐ Table
- ☐ Podium
- ☐ Electrical Outlet

SUBMIT

Attachment 11
Speakers Bureau

P.O. Box 1 Johnson City, Texas 78636-0001
www.pec.coop

FOR IMMEDIATE RELEASE April 11, 2011
TO: All PEC-area media
CONTACT: Anne Harvey, (830) 868-4933; Austin line, (512) 219-2602

PEC invites members to Earth Day open houses

As part of Pedernales Electric Cooperative's longstanding commitment to serving as responsible stewards of the environment, PEC encourages our members and employees to conserve electricity and natural resources.

This month, as Earth Day approaches, the Cooperative will host Earth Day open houses at PEC offices in Bertram, Canyon Lake, Cedar Park, Junction, Kyle, Liberty Hill, Marble Falls, Oak Hill and at PEC's headquarters in Johnson City. These open houses will be on Wednesday, April 20, from 2 p.m. to 5 p.m.

All members are invited to attend and are welcome to bring their kids along to enjoy cookies, popcorn and beverages. While the children use a free box of crayons to decorate coloring sheets, members will receive complimentary CFLs and learn simple ways to conserve resources.

Members will have the opportunity to complete an Earth Day Challenge Action Card, and by doing so they will be entered into drawings every half hour for $50 Give-A-Watt gift checks which they can use toward their PEC bills. Entering the drawing is easy and free; members simply write on an action card what conservation measures they will take to reduce their electric use at home.

"PEC's focus on conservation is strong and committed," said PEC's Community Relations Manager Toni Reyes. "We provide members with rebate opportunities and money-saving conservation ideas to make their homes more energy efficient. We encourage members to stop by PEC's offices during these open houses and learn how they can save money."

-30-

Attachment 12
Earth Day Open Houses

P.O. Box 1 Johnson City, Texas 78636-0001
www.pec.coop

FOR IMMEDIATE RELEASE June 1, 2011
TO: All PEC-area newspapers
MEDIA CONTACT: Anne Harvey, (830) 868-4933; Austin line, (512) 219-2602

PEC encourages members to join new "Beat the Peak" program

As part of Pedernales Electric Cooperative's ongoing effort to reduce costs, PEC is starting a program called Together We Can Beat the Peak. Through this voluntary program, the Cooperative will work with its members to establish a clear understanding of how the price PEC pays for electricity fluctuates and peaks between 2-6 p.m. from June through September. This is when demand for electricity is greatest, and PEC encourages members to help reduce power costs.

PEC has been taking successful steps to lower costs and reduced operating expenses by 10 percent in 2010. PEC is also looking to lower costs by working to reduce what the Co-op spends on power; last year the cost of power accounted for 68 percent of PEC's total operating expenses. A large portion of the power supply cost is determined by the amount of energy used and maximum level of power required during peak periods, when members are using the greatest amount of power and when electricity costs the most.

By working together, PEC and its members can Beat the Peak by reducing the power consumed during peak periods, which for PEC is from 2-6 p.m. and consequently reduce power supply costs with simple steps such as:

- Raise the thermostat in your home by 3 degrees.
- Shift your use of hot water away from the peak-demand hours.
- Avoid using major appliances between the peak hours of 2-6 p.m.

The Beat the Peak program serves as an opportunity to reduce PEC's costs while educating members about the Co-op's peak times of electric use. If every member shifts two kilowatt-hours of electric use to an off-peak time every day, PEC estimates it can save more than $2 million between June and September. If together, the membership and the Co-op succeed in reducing its power costs, PEC can pass these savings on to members.

"PEC has a special partnership with its members-owners because they hold a financial interest with the Co-op," said PEC's Chief Executive Officer RB Sloan. "I encourage our members to join the Beat the Peak team and help us reduce our costs. When we save, our members save too, because this is their Co-op."

The Beat the Peak program began June 1, and members who are interested in being a part of the Beat the Peak team can join online, over the phone or at any PEC office. More detailed information about the Beat the Peak program is available at www.pec.coop.

-30-

Attachment 13
Beat the Peak

P.O. Box 1 Johnson City, Texas 78636-0001
www.pec.coop

FOR IMMEDIATE RELEASE October 10, 2011
TO: Wimberley-area newspapers
MEDIA CONTACT: Anne Harvey, (830) 868-4933; (830) 992-9976 (mobile)

Energy efficiency focus of Oct. 27 PEC forum in Woodcreek

Pedernales Electric Cooperative members and the general public are invited to attend the Co-op's conservation forum in Woodcreek on Thursday, Oct. 27, from 3:30 p.m. to 7:30 p.m.

PEC conservation staff will be on hand to give demonstrations and provide insight on energy efficient practices such as caulking, weather-stripping and insulation. Information about the Co-op's rebate programs will also be available for review. Forum attendees will receive a free compact fluorescent lightbulb and also can enter drawings to win a home-weatherization kit, a water-heater timer and one of two $50 Give-A-Watt gift checks that can be used to pay PEC bills. The Co-op also will provide light refreshments.

"This is a great way for us to engage face-to-face with our members and have productive discussions about cost-effective conservation practices," said PEC Community Relations Manager Toni Reyes. "Hopefully, folks coming out to the forum will be able to take the information they get and use it to reduce their electric use and save money."

The forum will be held at Woodcreek City Hall, which is located at 41 Champions Circle in Woodcreek. Questions about the forum may be directed to PEC Conservation Supervisor Joe Paramo at 1-888-554-4732, Ext. 5246.

-30-

Attachment 14
Conservation Forum

P.O. Box 1 Johnson City, Texas 78636-0001
www.pec.coop

FOR IMMEDIATE RELEASE October 1, 2011
TO: All PEC-area newspapers
MEDIA CONTACT: Kay Jarvis, (830) 868-4961; (830) 265-8250 (mobile)

First Hill Country Solar Tour a success, educates and entertains PEC members

Pedernales Electric Cooperative proudly welcomed Co-op members and guests attending Saturday's Hill Country Solar Tour. The event, held in partnership with the Texas Solar Energy Society, was the first of its kind for PEC and featured residential and commercial solar installations in Oak Hill and Dripping Springs, plus educational presentations from Co-op representatives and Cathy Redson of ImagineSolar.

The tour highlighted solar installations at four PEC members' homes, plus commercial installations at PEC's Oak Hill Office and the Wesley Gallery in Dripping Springs. The tour kicked off at the Co-op's Oak Hill Office, where District 4 Director and Board Vice President Chris Perry greeted members and guests.

"With this event, we are continuing the great tradition of electric cooperatives assisting our members," Perry said.

PEC District Planning Supervisor George Esqueda offered insight into the Co-op's interconnection process while Redson explained the benefits of solar technology.

"Texas ranks No. 1 in the U.S. in solar energy potential, and I am thrilled as a PEC member to see my Co-op reaching out to educate and support the use of this technology," said Redson, who gave an educational presentation on the history of photovoltaics and on solar installations. "Solar is reliable, safe and adds value to your home."

Members and guests then continued on a self-guided solar tour. Ken and Deborah Stedman, whose 6 KW solar installation was featured on the tour, were proud to showcase their conservation efforts.

"Energy conservation is extremely important to us," said Deborah Stedman. "Reduced energy costs helped make our buying this house a reality."

Since January, the Co-op has experienced a 33 percent boost in interconnections, with 30 members installing power-generation systems on their properties, 23 of which utilize solar power. This growth mirrors both state and national trends, as individuals look to renewable technology to help reduce their electric demand.

"The Co-op has seen a definite increase in interconnections and member interest in solar technology," said PEC Communications Manager Michael Racis. "The Hill Country Solar Tour served as a great opportunity to net with industry experts and educate PEC members and the community."

For more details about the Hill Country Solar Tour, visit www.pec.coop/solar.

(MORE)

Attachment 15
Hill Country Solar Tour

ADD ONE — First Hill Country Solar Tour a success, educates and entertains PEC members

Photo 1 caption

Hill Country Solar Tour guests check out the 3.6 KW solar installation at PEC's Oak Hill Office.

Photo 2 caption

More than 135 guests listen to educational presentations from PEC District Planning Supervisor George Esqueda and Cathy Redson of ImagineSolar.

Photo 3 caption

PEC District 4 Director and Board Vice President Chris Perry greets guests at the first Hill Country Solar Tour.

Photo 4 caption

Cathy Redson of ImagineSolar educates tour guests on the history and benefits of solar technology.

Photo 5 caption

Hill Country Solar Tour guests learn more about a featured solar installation. This 1 KW photovoltaic system is discreetly installed on top of a backyard pergola.

-30-

Interconnection Policy For Small Generators

Rules and Regulations for Small Power Generation and Cogeneration

A. Applicability

This policy shall apply to the interconnection and parallel operation of all qualifying power generating installations having a design capacity of 20 kilowatts or less as well as to electric utility service to such generating installations. If any part of these sections shall be in conflict with any other provision of the Cooperative's Business Rules, these sections shall control. Purchases of electricity from the Member shall be covered by a separate agreement.

B. Obtaining Interconnection

The following are conditions precedent to any obligation of the Cooperative to interconnect or provide any form of electric utility service. Any person owning or operating a qualifying power generating installation (hereafter "Member") and desiring to interconnect with the Cooperative's system shall:

1. Comply with Policy

   Apply for interconnection, provide an easement satisfactory to the Cooperative, and otherwise comply with the policy of the Cooperative.

2. Interconnection Study

   An interconnection study will be required from all generating equipment greater than 20 KW. The Cooperative shall perform the study under reasonable terms and conditions agreed upon by both the customer and the Cooperative and at the customer's sole expense. These installations shall be done in accordance with its specific agreement.

3. Provide Information

   At least 60 days in advance of interconnection, Member shall submit a plan showing the electrical design of the generating installation including equipment for interconnection with the Cooperative's system. Member shall also provide such additional information as may be required by the Cooperative. In the event Member's plan involves the use of non-standard equipment or design techniques, the Cooperative may require such plan to be approved by a registered professional engineer. Any review or acceptance of such plan by the Cooperative does not guarantee the adequacy of Member's equipment to perform its intended function. The Cooperative disclaims any expertise or special knowledge relating to the design or performance of generating installations and does not warrant the efficiency, cost effectiveness, safety, durability, or reliability of generating installations.

4. Pay for Extension of Cooperative's Facilities

   Comply with conditions for extension of the Cooperative's distribution system as may be determined by the Cooperative in accordance with the following extension policy:

Attachment 16
PEC Interconnection Policy

If an extension of Cooperative's distribution system is required for delivery or receipt of electric energy to or from a generating installation, whether or not in conjunction with another use, the Cooperative shall exercise prudent judgment in determining the conditions under which such extension will be made. Each case shall be viewed individually considering (1) cost to provide service, (2) longevity of the load, (3) annual load factor, (4) possibility of other loads developing along the proposed line extension, (5) longevity, capacity, and dependability of the installation, and (6) compatibility with planned system improvements.

The Cooperative may require Member to pay a contribution in aid-of-construction, advance for construction, or increased annual or monthly minimums, and may require a contract term of up to five years.

5. Provide Liability Insurance

   Member shall carry satisfactory liability insurance including contractual liability insurance covering indemnity agreements which insures Member against all claims for property damage and for personal injury or death arising out of, resulting from or in any manner connected with the installation, operation, and maintenance of the Member's generating equipment. The Member shall continue to maintain insurance as required by the Cooperative for the interconnection and shall provide proof of such insurance to the Cooperative at its request.

6. Sign Contract

   Sign and deliver to the Cooperative an Agreement for Interconnection and Parallel Operation of Cogeneration or Small Power Production Installation: 20 kW or Less.

7. Complete Construction

   Construct the power generating installation and install a disconnect switch and other protective equipment as may be required by the Cooperative to protect its personnel, facilities, and operations.

8. Comply with Laws

   Comply with applicable Federal, State, and Local laws, ordinances, and regulations applicable to power generating installations.

9. Notify Cooperative

   Notify the Cooperative in writing at least thirty (30) days in advance of energizing the small power generating installation and permit the Cooperative to inspect and test protective equipment.

10. Eliminate Conditions Preventing Interconnection

    In the event that it comes to the attention of the Cooperative that there are conditions preventing safe interconnection and proper parallel operation, it shall notify Member and Member shall not interconnect and/or initiate parallel operation until such conditions are corrected and Member has provided at least ten (10) days written notice to the Cooperative.

In the event, following interconnection, that conditions arise that would preclude operation, the Cooperative shall request disconnection or disconnect the Member until the conditions preventing interconnection are corrected.

C. Parallel Operation

1. Installation

With the exception of only the Cooperative's meter(s), the Member shall own and be solely responsible for all expense, installation, maintenance, and operation of the power generating installation at and beyond the point where Member's conductors contact Cooperative's conductors. The Member's generating installation shall be designed and installed in accordance with applicable codes, regulations, and prudent engineering practices.

2. Self Protected Generating Installation

The Member will furnish, install, operate, and maintain in good order and repair all equipment necessary for the safe operation of the power generating installation in parallel with the Cooperative's electric distribution system. The equipment will have the capability to both establish and maintain synchronism with the Cooperative's system and to automatically disconnect and isolate the generating installation from the Cooperative's system due to either a malfunction of the power generating installation or loss of power on the Cooperative's system.

The Member's power generating installation will also be designed, installed, and maintained to be self-protected from normal and abnormal conditions in the Cooperative's electric distribution system. The conditions for which the power generating installation shall be self-protected shall include, but not be limited to, overvoltage, undervoltage, overcurrent, frequency deviation, and faults. The self protection will be compatible with the Cooperative's system protection arrangements and operating policies.

Specialized protective functions may be required by the Cooperative when, in the sole judgment of the Cooperative, the particular generating installation characteristics and/or distribution system characteristics so warrant.

3. Quality of Service

Member's generating installation will generate power at the nominal voltage of the Cooperative's electric distribution system at the Member's delivery point plus or minus five percent (5%) at the nominal system frequency of 60 Hz or minus one half (1/2) Hz. Member shall generate at a power factor that is as near one hundred percent (100%) as is practicable. In the event that the power factor is less than ninety percent (90%) lagging or leading, the Member will provide proper power factor correction (within ten percent (10%) of unity) or reimburse the Cooperative for the cost of any necessary correction.
The overall quality of the power provided by Member including, but not

limited to, the effects of harmonic distortion, voltage regulation, voltage flicker, switching surges, and power factor, will be such that the Cooperative's electric distribution system is not adversely affected in any manner. In the event that adverse effects are caused in whole or in part by Member's power generating installation, the Member will correct the cause of such effects or reimburse the Cooperative for the cost of any required correction.

4. Safety Disconnect

The Member shall provide and install, at the Member's expense, a visible break disconnect switch. The disconnect switch will be located so as to be readily accessible to Cooperative personnel in a location acceptable to both the Member and the Cooperative. It shall be the type of switch which can be secured in an open position by a Cooperative padlock. The Cooperative shall have the right to lock the switch open whenever, in the judgment of the Cooperative, (1) it is necessary to maintain safe electrical operating or maintenance conditions, (2) the Member's power generating installation adversely affects the Cooperative's electric distribution system, or (3) there is a system emergency or other abnormal operating condition which warrants disconnection.

The Cooperative reserves the right to operate the disconnect for the protection of the Cooperative's system even if it affects Member's power generating installation. In the event the Cooperative opens and closes the disconnect switch, it shall not be responsible for energization or restoration of parallel operation of the generating installation. The Cooperative will make reasonable efforts to notify the Member in the event the disconnect switch has been opened. The Member will not bypass the disconnect switch at any time for any reason.

5. Access

Persons authorized by the Cooperative will have the right to enter the Member's property for the purpose of operating or inspecting the automatic disconnect switch, the manual disconnect switch, or the metering. Such entry onto the Member's property may be without notice. If the Member erects or maintains locked gates or other barriers, the Member will furnish the Cooperative with convenient means to circumvent the barrier for access to the disconnect switch and meter(s).

6. Modifications of Cooperative System

In the event that it is necessary at the time of initial interconnection or at some future time for the Cooperative to modify its electric distribution system in order to accommodate the Member's output, the Member will reimburse the Cooperative for all just and reasonable costs of modifications which are allocable to the Member's small power generating installation. The modifications may include, but are not limited to, special interconnection equipment, protective devices, control devices, or upgrading of distribution system components.

7. Liability for Injury and Damages

Member assumes full responsibility for electric energy furnished to him or her at and past the point of interconnection and will indemnify the

Cooperative against and hold the Cooperative harmless from all claims for both injuries to persons, including death resulting therefrom, and damages to property occurring upon the premises owned or operated by Member arising from electric power and energy delivered by Cooperative or in any way arising directly or indirectly from Member's generating installation except (i) when the negligence of Cooperative or its agent or agents was the sole proximate cause of injuries, including death therefrom, to Member or to employees of Member or in the case of a residential Member, to all members of the household; and (ii) as to all other injuries and damages, to the extent that injuries or damages are proximately caused by or result in whole or in part from (a) any negligence of Cooperative or its agent(s) independent of and unrelated to the maintenance of Cooperative's facilities or any condition on Member's premises or (b) the breach by Cooperative of any provision of any contract regarding purchase and/or sale of electrical energy or service between Cooperative and Member.

The Cooperative shall not be liable for either direct or consequential damages resulting from failures, interruptions, or voltage and wave form fluctuations occasioned by causes reasonably beyond the control of the Cooperative, including, but not limited to, acts of God or public enemy, sabotage and/or vandalism, accidents, fire, explosion, labor troubles, strikes, order of any court or judge granted in any bona fide adverse legal proceeding or action, or any order of any commission, tribunal or governmental authority having jurisdiction.

For claims resulting from failures, interruptions, or voltage and wave form fluctuations occasioned in whole or in part by the negligence of the Cooperative or its agent(s), the Cooperative shall be liable only for that portion of the damages arising from personal injury, death of persons, or costs of necessary repairs to or reasonable replacement of electrical equipment proximately caused by the negligent acts of the Cooperative or its agent(s). The Cooperative shall not be liable in any event for consequential damages.

8. Metering

One standard service meter will be installed, maintained and operated by the Cooperative. A connection will be provided for the meter in a location that is acceptable to both the Cooperative and the Member. The Cooperative may, at its own expense, supply, install, and maintain load research metering for the purpose of monitoring and evaluating the Member's generating installation. The meter(s) will, by comparison with accurate standards, be tested and calibrated as often as necessary. The Member or the Cooperative may reasonably request such tests, and shall be given notice of not less than five (5) working days when such tests are to be made. Both the Member and the Cooperative will have the right to be present at such tests. If a meter is found to be inaccurate, it shall be restored to an accurate condition or replaced. If the tests disclose that no unacceptable inaccuracies exist in the meter(s), then the party requesting the tests shall bear the expense of the tests. A report of the results of any tests shall be furnished promptly by the party making such tests to the other party. Any meter(s) registering a deviation of not more than two percent (2%) from normal shall be deemed accurate. The readings of any meter(s) which have been inaccurate shall be corrected according to the percentage of inaccuracy as determined by the tests for

a period of no more than ninety (90) days prior to the tests. If any meter fails to register for any period, the facility output during such period shall be estimated in the best manner possible as agreed upon by the Cooperative and the Member.

9. Notice of Change in Installation

Member will notify the Cooperative in writing sixteen (16) days in advance of making any change affecting the characteristics, performance, or protection of the generating installation. If it comes to the Cooperative's attention that the modification will create or had created conditions which may be unsafe or adversely affect the Cooperative's system, then it shall notify Member and Member shall immediately correct such conditions.

10. Sales to Member

Sales to Member shall be in accordance with the Cooperative's Service Policy and Interconnection Backup rate.

11. Purchases of Electricity from Member

Production in excess of consumption by Member during a monthly billing cycle will be purchased by Cooperative at the avoided cost (fuel cost only, no capacity component).

D. Definitions

1. Power Generating Installation, Generating Installation shall mean a small power production or cogeneration facility which is a "qualifying facility" under Subpart B of the Federal Energy Regulatory Commission's Regulations under Section 201 of the Public Utility Regulatory Policies Act of 1978 including any generator and associated equipment, wiring, protective devices, or switches owned or operated by Member.

2. Member means any person, firm, corporation, partnership, or other entity that is currently receiving service from the Cooperative and owning or operating a power generation installation.

Agreement for Interconnection

AGREEMENT FOR INTERCONNECTION AND PARALLEL OPERATION OF COGENERATION OR SMALL GENERATION INSTALLATION: 20 kW OR LESS

THIS AGREEMENT made this _____ day of _____,_____ by and between _____, hereinafter referred to as the "Member", and Pedernales Electric Cooperative, hereinafter referred to as the "Cooperative," is as follows:

1. Purpose. Member owns or intends to own and/or operate a qualifying electric power generating installation and desires to interconnect and operate such installation in parallel with Cooperative's electric distribution system. This agreement defines the relationship between the Cooperative and Member including terms affecting delivery and sale of electricity as well as reasonable conditions for interconnection and parallel operation.

2. Member's Generating Installation. The generating installation to which this agreement applies is described as:

Make_____

Model_____

Serial #_____

Fuel or Energy Source_____

Nameplate Output Rating_____kW

Operating Voltage_____volts

Connection_____phase

Located at_____

Emergency Contact:

Name _____

Address_____

_____

Phone _____

3. Terms. The Cooperative agrees to use reasonable diligence to provide simultaneous electric service. Interconnection, parallel operation, and sales of electricity will be governed by the Cooperative's Tariff and Business Rules including any and all amendments that may hereafter be approved or ordered by any regulatory authority having jurisdiction, said Tariff and Business Rules including all service rules, regulations, and rates is a part of this agreement of the same extent as if fully set out herein and is on file and available at the Cooperative's office in Johnson City, Texas.

4. Interconnection. Prior to interconnection Member shall have (1) fulfilled all requisites for the provision of electric utility service contained in the Business Rules; (2) provide an interconnection plan and other information; (3) comply with conditions for line extension; (4) provide satisfactory liability insurance; (4) sign and deliver this Agreement; (5) complete construction; (6) comply with laws; (7) give notice of intent to energize; and (8) eliminate

any conditions preventing interconnection. Member warrants to Cooperative that Member's power generating installation is constructed and will be maintained in a safe and reliable condition and will comply with the latest applicable codes.

5. Insurance. Member shall carry satisfactory liability insurance including contractual liability insurance covering indemnity agreements which insures Member against all claims for property damage and for personal injury or death arising out of, resulting from or in any manner connected with the installation, operation, and maintenance of the Member's generating equipment. The Member shall continue to maintain insurance as required by the Cooperative for the interconnection and shall provide proof of such insurance to the Cooperative at its request.

6. Parallel Operation. Member is responsible for installation, safe operation, protection, and maintenance of all equipment and wiring at and beyond the point where Member's conductors contact the Cooperative's conductors. The electrical power generated shall be compatible with Cooperative's standard distribution system at the point of delivery and of such quality that Cooperative's system is not adversely affected. Member shall install and/or pay for a visible break disconnect switch. The Cooperative shall have access to the disconnect switch and meter(s) at all times. The Cooperative's liability is limited in accordance with its tariff and Member agrees to indemnify and hold the Cooperative harmless from all claims except as specified in the tariff.

7. Sales of Electric Service to Member. Member agrees to pay for electric service in accordance with the Cooperative's Interconnect Backup rate. If any tariff or rate is changed by the Cooperative, or by order or consent of any regulatory authority having a jurisdiction thereof whether or not at the request of the Cooperative, such changed tariff, rate/or redefined class of service shall be applicable to service provided hereunder from and after the effective date of such change. Periodically, Cooperative will render to Member a statement of services rendered. Member agrees to pay the total amount shown on such statement within sixteen (16) days from its date. Payment shall be made to Cooperative at its office in Johnson City, Texas.

8. Purchases of Electricity from Member/Producer. Cooperative shall install a single meter for Producer. The Cooperative shall allow the meter to turn both forward and turn backward to register net metering energy consumption or production by the customers during normal monthly (or similar periodic) billing cycles. Net metering of monthly consumption shall be billed to the Producer by the Cooperative at the applicable tariff. Production in excess of consumption by Producer during a monthly billing cycle will be purchased by Cooperative at the avoided cost (fuel cost only, no capacity component).

9. Terms. The acceptance of this instrument by the Cooperative shall constitute an agreement between the Member and the Cooperative which shall continue in force for an initial term of one year and then year to year thereafter from the date service is made available by the Cooperative to the Member. After the initial term this agreement may be terminated by either party giving at least thirty (30) days written notice to the other.

10. Breach. The failure or refusal to perform any obligation contained in this agreement shall constitute a breach of this agreement. The parties shall have such remedies for breach as may be provided for by law or in equity. Notwithstanding any other provision of this agreement, Cooperative may discontinue service if Member has breached any portion of this agreement, failed to make timely payment or otherwise is in violation of Cooperative policies.

11. Entire Agreement. This agreement constitutes the entire agreement between the parties and supersedes all prior agreements between Member and Cooperative for the service herein described, and the Cooperative, its agents and employees have made no representations, promises, or made any inducements, written or verbal, which are not

contained herein. Member agrees that it is not relying on any statements not herein contained.

12. Assignment. This agreement shall not be assigned by Member except in accordance with the Articles, By-laws, and rules and regulations of Cooperative. This agreement shall inure to the benefit of Cooperative's assigns.

13. Interconnection Cost. Member agrees to pay for extension of Cooperative's facilities and other interconnection costs as follows:

$_____ in advance of any work by the Cooperative;

or

$_____ per month as an increased monthly minimum over and above the applicable minimum stated in the Cooperative's tariff.

14. Receipt of Policy. Member acknowledges receipt of a copy of the Cooperative's policy on interconnection.

Pedernales Electric Cooperative, Inc.
BY: _____

Member:
BY:_____

The State of Texas
County of _____

BEFORE ME, the undersigned authority, on this day personally appeared
_____, _____, of the
(Name) (Title)
_____, known to me to be the person
(Organization)
whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same as the act and deed of the _____
(Organization)
as _____, thereof, and for the purposes and consideration
(Title)
therein expressed. GIVEN UNDER MY HAND AND SEAL OF OFFICE this _____ day of _____, ____.

_____
Notary Public in and for

_____, County, Texas

POWER OF COMMUNITY
PEDERNALES ELECTRIC COOPERATIVE

Attachment 18
Distributed Resources

Renewable Energy

For more than 70 years, PEC has delivered electricity from renewable-generation sources.

The Cooperative's goal — established by Board resolution in 2008 — is to purchase or generate up to 30 percent of our electricity from renewable sources by 2020.

On Oct. 1, the Co-op proudly partnered with the Texas Solar Energy Society to present its first Hill Country Solar Tour. An estimated 200 Co-op members and guests learned about PEC interconnection while Cathy Redson of ImagineSolar shared the benefits of solar in a Solar 101 presentation,which can be viewed below. Members and guests were then welcome to explore renewables during a self-guided tour of Dripping Springs and Oak Hill-area solar installations.

Watch highlights from the Hill Country Solar Tour, plus an interview with PEC District 4 Director and Board Vice President Chris Perry.