

Strategic Focus: Renewables, Energy Efficiency & Conservation

Goal: Enhance Energy Efficiency Efforts

Champion: Mark Schwantes

Task	Date Due	Status
<p>Develop and Administer Commercial Lighting retrofit program</p>	<p align="center">On Going</p>	<p align="center">Complete</p> <p>Worked out the details with Tri-State during the first quarter</p> <p>Met with Tri-State representative to discuss program in June, visited with LPEA members and suggested enhancements and changes</p> <p>Contact made with over a dozen potential candidates, many of whom have completed initial analysis</p> <p>Worked with Tri-State and a grocery store chain to upgrade lighting in refrigeration cases to LED</p> <p>Three \$3,000 rebates received from Tri-State and paid to the members</p> <p>LPEA headquarters lighting retrofit complete Total Cost of job ~ \$30,000 Rebate from Tri-State ~ \$7,500 Expected ROI 2 to 3 years</p> <p>Fifteen (15) rebates processed and paid through the end of the year (2010)</p> <p>Developed brochure, handouts and checklist</p> <p>News Release on program sent out in July</p> <p>Hosted "Lights and Lunch" workshop for Commercial Lighting Program at coop office Set up follow up meeting to be held January 20th, 2011</p> <p>Information shared in CREA "Connections" business newsletter</p> <p>Provided feedback to Tri-State regarding</p>

		2011 EEC program and commercial lighting opportunities
Monitor and evaluate new efficient products and services for members	On Going	In Progress
Study and evaluate the potential benefits of heat pump water heaters for our membership	4 th Qtr 2010	<p>Complete</p> <p>One unit ordered, delivered and installed at LPEA headquarters. Will monitor for a year</p> <p>Second unit ordered for a member and installed. Member sharing experience with LPEA and Tri-State</p> <p>Tri-State has reimbursed LPEA and member for cost of two units (~\$1,400 each)</p> <p>Information shared during a presentation from General Electric at November Heating and Cooling Workshop held at office</p> <p>GE unit donated by manufacturer and installed at LPEA member's home</p> <p>Tri-State to include a energy efficiency credit in 2011 EEC program offerings</p>
LPEA Holiday Light Program	1 st Qtr 2010	<p>Complete</p> <p>Estimated reduction of 190 MWH each year</p> <p>2010 campaign started Nov 2010 with forms still coming in - January 2011</p> <p>Participation exceeded expectations for the third straight year</p>
Add "Convectair" heating products to those available from LPEA	2 nd Qtr 2010	<p>Complete</p> <p>2009 pilot program complete</p> <p>LPEA members have purchased 87 Convectair Electric heaters (114 kW) since the program began</p> <p>Display, price sheet and literature available in lobbies and on the web</p> <p>Training of employees complete</p>

		<p>Pilot project ongoing at the warming hut of Adaptive Sports Association at DMR</p> <p>With increased interest, some popular units will be available in the warehouse. Other units will still be ordered as needed</p>
Promote the benefits of the Watt Watcher® Program	On Going	<p>Complete</p> <p>Continue to help members save; 2009 savings totaled \$1.3M</p> <p>2010 savings are being tabulated</p> <p>Providing TOU Commercial & Government account analysis;</p> <p>Meeting with Water Companies to increase number of water accounts on TOU</p> <p>Reprogrammed one dozen ETS Watt Watcher® meters in March to shift and balance load</p> <p>Reviewed 25% of Residential TOU accounts with low off peak usage</p> <p>Updated and communicated seasonal TOU changes</p> <p>Targeted 20 MW ETS sold for total program by year end 2010 Did not quite meet this goal with total installed kW equal to 19.5 MW</p> <p>Hosted Steffes Contractor Training in April</p> <p>Marathon Bill Inserts went out in May and June cycles – 1,000th unit was sold (total) in October</p> <p>First use of Constant Contact to communicate to membership in November was successful</p>
Continue LPEA's "Save Your Energy"	On Going	Complete

communications campaign		<p>All Communications incorporates LPEA logo with the “Save Your Energy” tagline</p> <p>Shared information with the membership at the Annual Meeting in May, 2010</p>
Incorporate Touchstone’s “Together We Save” campaign	1 st Qtr 2010	<p>Complete</p> <p>101 Energy Saving Guides now tied to this campaign</p> <p>Small magnets ordered and distributed</p> <p>Prominent link added to LPEA website</p> <p>Information incorporated into school / member education</p> <p>Information was available at the 2010 Annual Meeting held at FLC this past May</p> <p>Together We Save information shared at the 2010 La Plata County Fair</p>
Support, market and communicate Tri-State’s Energy Efficiency Credits Program	2 nd Qtr 2010	<p>Complete</p> <p>LPEA partners with Tri-State with the following programs:</p> <p>CFL / Commercial Lighting Retrofit / Heat Pump Water Heaters / ETS Heaters / Marathon Water Heaters / LED Street Lighting / Energy Efficiency Kits</p> <p>Reviewed 2011 EEC offerings and discussed with Tri-State staff</p>
Distribute Energy Efficiency Kits	On Going	<p>Complete</p> <p>100 plus kits are available through 4CORE to support their Weatherization Assistance Programs</p> <p>Offer to all members during energy assessments, community events, etc...</p> <p>100 Kits distributed at FLC Etiquette Dinner</p>

		in September
Distribute 2,000 CFL's to members	On Going	<p style="text-align: center;">Complete</p> <p>Emphasizing and promoting the kWh savings with CFL's and offering opportunities to switch out incandescent bulbs</p> <p>In April, started campaign to offer two free CFLs for "just one block of GP". The first event with 4CORE – Green Living Expo. Second event was also with 4CORE, the Home and Ranch Show</p> <p>Developing proposal to provide CFLs for residence halls at FLC</p> <p>LPEA partnered with the Environmental Center to provide one CFL for all incoming freshmen students at FLC in August</p>
GEO & LPEA Energy Star Rebate Programs	On Going	<p style="text-align: center;">Complete</p> <p>Communicating to members that both Energy Star Rebates are now available</p> <p>Last year total number of Energy Star rebates was 152 for appliance purchases and 70 for recycled refrigerators</p> <p style="color: green;">The 2010 goal was to double those numbers, actually, we ended up with 556 Energy Star appliance rebates and 111 for recycling = totally around \$25,000 paid out to our members</p> <p>New, increased communications to members regarding GEO rebates was kicked off in November as many are not aware of rebate</p>

Strategic Focus: Renewables, Energy Efficiency & Conservation Goal: Enhance and Increase Energy Audits Champion: Mark Schwantes		
Task	Date Due	Status

Continue to communicate the availability of the energy assessment service to all members	On Going	<p>Complete</p> <p>Highlighting actual results with members and the community</p> <p>Promoting the benefits of simple energy efficiency measures</p>
Develop plans and enhance the utilization of our energy assessment tools	On Going	<p>Complete</p> <p>Identifying the specific target accounts / members that can benefit from using a Watts Up meter, Load Profile meter, Kill A Watt meter, power cost monitor unit & Infrared Camera</p> <p>We are increasing the availability and use of "Hobo" load profile monitoring devices</p>
Support 4CORE's Weatherization Assistance Program	3 rd Qtr 2010	<p>Complete</p> <p>LPEA provided funding, letter of support, CFLs and Energy Efficiency kits to compliment 4CORE's efforts</p> <p>Continue regular meetings with 4CORE staff</p> <p>Leveraging Tri-State funds in 2011</p>
Focus on Specific Energy Usage Sectors and Operations	On Going	<p>In Progress</p> <p>These sectors include: Government / Public Entity Business / Commercial Water Districts Irrigators Residential</p>
Investigate local opportunities	On Going	<p>Just Started</p> <p>Working with Local Energy Service Companies / Energy Auditors to determine potential role in reducing energy use (commercial lighting, HVAC, etc...)</p>

Strategic Focus: Renewables, Energy Efficiency & Conservation
Goal: Support Local Renewable Generation Projects

Champion: Mark Schwantes

Task	Date Due	Status
Monitor and support Biomass effort in Archuleta County	Set by Member's project schedule	<p align="center">On Going</p> <p>Initial engineering review of line extension and interconnection requirements are complete</p> <p>Draft Purchase Power Agreements have been discussed</p> <p>Discussions regarding rates provided to the board in February</p> <p>Follow up with Tri-State regarding rates to be completed in early March</p> <p>Developer provided an update at the March board meeting</p> <p>Discussions ongoing in May with Tri-State</p> <p>Also exploring other funding options - USDA Rural Energy for America Program (REAP), Colorado GEO, Etc....</p>
Renewable Generation Power Purchase Agreements (PPA)	On Going	<p align="center">Complete</p> <p>Facilitate contracts and renewals for PPA with Williams & future renewable generation of 25 kW or larger</p> <p>The resolution for the contacts (PPA) with Tri-State and the Florida Water Conservancy District for production from Lemon Hydro was approved at the August, 2010 LPEA board meeting</p>
Continue to build positive working relationship with local Renewable Generation industry	On Going	<p align="center">Complete</p> <p>2010 Quarterly RG meetings were well attended (this will continue in 2011, with the first meeting February 3rd)</p>

		<p>Over 250 Net Metered Accounts at end of year</p> <p>95 new Net Metered & Interconnected accounts in 2010</p> <p>Over \$450,000 disbursed to local renewable generators under policy 359 / 361 in 2010</p>
Engineering reviewing Line Extension and Inter-connection Requirements	Set by Member's project schedule	On Going
Power Purchase Agreements Development	Set by Member's project schedule	On Going
Determine feasibility of a community funding renewable generation project	On Going	<p>In Progress</p> <p>Worked with developer on business plan and economics of a 1 to 2 MW solar farm "collective"</p> <p>Had discussions regarding solar farm partnerships with 4CORE and the Energy committee of SASCO</p> <p>4CORE, FLC and the GEO are working with LPEA regarding a potential solar garden at the "Old Fort"</p>
Partner with GEO on Solar Thermal	2 nd Quarter 2010	<p>Complete</p> <p>Application submitted Feb 25th</p> <p>GEO details were made available on the 19th of April. \$25,000 budgeted to leverage with GEO funds</p> <p>Five systems installed as of the end of October. \$3,000 paid out to each member (\$1,500 from the GEO and \$1,500 from LPEA)</p>
Support Libraries and Middle / Elementary Schools Renewable Projects	On Going	<p>In Progress</p> <p>Develop RFP for Renewable Generation Projects</p> <p>Bayfield & Escalante Solar PV Installed & Monitored</p> <p>Contacted and communicating with</p>

		Sunnyside, Needham, Animas Valley Elementary, & Pagosa Middle School
Durango Disposal Cell Project Solar Farm DOE / LPEA / La Plata County	On Going	In Progress Staff attended presentation that DOE gave to La Plata County in March U.S. DOE board update in April to LPEA board County discussion with LPEA board completed in April LPEA staff followed up with DOE reps and attend scoping meeting on May 3 rd Regularly scheduled teleconferences set up for each month – project is still moving forward with EA
Support Local Government & Non-Profit Renewable Projects	On Going	Complete The Discovery Museum solar PV is installed, interconnected to the grid and have received a REC payment from LPEA LPEA staff met with an FLC rep regarding solar at Fort Lewis College new Student Union Building. Solar Thermal and PV systems installed and operational PV installed at the La Plata County Airport Follow up meeting with new FLC Environmental Center Executive Officer was completed in August
Administer and offer Tri-State Performance Payments Policy 117	On Going	Complete Contract both old and new Net Metered and Interconnected Renewable Systems Project \$100,000 in REC payments from Tri-State to LPEA members Total amount from Tri-State received in March ~ \$66,000

		<p>Attestations submitted to Tri-State for the first six months of 2010</p> <p>Total amount from Tri-State received in August ~ \$58,000</p>
Support existing Renewable Generators	On Going	<p>Complete</p> <p>Conducting summer Audit of installed PV, Micro hydro and Wind generation Three systems found not hooked up and generating</p> <p>One system discovered that has not completed paperwork, been inspected checked out</p> <p>We have credited \$2,086 for the excess production for the past twelve months. Thirty five systems generated a total of 34,037 kWh more than they used at their location.</p>
Feed In Tariff	On Going	<p>In Progress</p> <p>Provide information and feedback for local FIT for Durango Group (SASCO)</p> <p>Paul Gipe presented Feed In Tariff overview for the LPEA and community at a number of events in September</p> <p>Staff developed and shared presentation regarding current state of renewable generation incentives to LPEA board and the general membership</p> <p>Britt Bassett shared local perspective regarding an LPEA sponsored Feed In Tariff during November LPEA board meeting</p> <p>Discussion will continue in to 2011, with LPEA presentation to the board in January</p>
Net Metering	On Going	<p>On Going</p> <p>Evaluating and analyzing current utility net metering programs, policies and activities</p>

		Evaluating and analyzing proposed virtual and off site net metering concepts
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Strategic Focus: Renewables, Energy Efficiency & Conservation Goal: Increase Outside Funding for Local Projects Champion: Mark Schwantes		
Task	Date Due	Status
Administer Tri-State 117 Contracts	On Going	Complete First half of 2010 Attestations submitted to Tri-State for payment. ~ \$66,000 Second half of 2010 Attestations submitted to Tri-State for payment. ~ \$58,000
Administer Tri-State Energy Efficiency Credits Program	On Going	Complete
Monitor availability of ARRA, USDA and GEO grants, loans and partnerships	On Going	Underway GEO solar rebate program could bring an additional \$3,750 per installation for residential systems. GEO solar rebate program, of which LPEA is a partner, has delivered over \$90,000 to our membership in 2010 Staff updated on USDA Rural Development offerings at Feb 5 th seminar GEO details were made available on the 19 th of April GEO gave an update at quarterly Renewable Generators meeting in May Received notification of award of \$100,000

		grant for USDA REAP funds Received notification of award of \$7,500 grant for GEO Main Street program funds
Partner with GEO on Solar Thermal	2 nd Quarter 2010	Complete Application submitted Feb 25 th GEO details were made available on the 19 th of April. \$25,000 budgeted to leverage with GEO funds GEO gave update at quarterly Renewable Generators meeting in May Five systems installed as of the end of October. \$3,000 paid out to each member (\$1,500 from the GEO and \$1,500 from LPEA)
Energy Star Partner with GEO's State Energy Efficiency Appliance Rebate Program (SEEARP)	2 nd Quarter 2010	Complete Provide marketing for the GEO's SEEARP
Support and partner with 4CORE for available grants	Determined by announcement and availability	On Going Submitted and selected for the Sonoran Institute's "Community Energy Futures Institute" Grant Collaborated in EPA's "Climate Showcase Communities" Grant submission and review
Partner with BP and Bland Solar to install PV at Sunnyside Elementary School	On Going	Complete \$10,000 grant from BP received System installed and operational
Develop and Administer Commercial Lighting retrofit program	On Going	Complete See above, Enhance Energy Efficiency Efforts Target – one dozen lighting retrofits resulting in "lighting" load decline Amount of EEC received from Tri-State at the end of October ~\$33,000
LPEA Holiday Light Program	1 st Qtr 2010	Complete

		<p>\$20,000 received under Tri-State's EEC program for distribution to LPEA's members</p> <p>The 2010 Holiday Season program started in November</p>
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Strategic Focus: Renewables, Energy Efficiency & Conservation Goal: Double Number of Green Blocks Sold Champion: Mark Schwantes		
Task	Date Due	Status
Develop and Implement 2010 GP Marketing Campaign	1 st Qtr 2010	Complete
Communicate "Just One Block" participation to members	On Going	<p>Complete</p> <p>Identified GP options to include paper & E bill; call center; at most LPEA sponsored events</p> <p>Attempt to compliment energy and \$ savings with GP purchase</p> <p>Discussing multiple account member outreach</p> <p>Provide information about GP program to members who we are directly in contact with on a daily basis: Energy Assessments, Renewable Generators & Installers, CFL giveaways, Earth Day & Schools, Efficient Lighting Reviews</p> <p>4CORE assisting at events including the Green Living Expo, the Durango Home and Ranch Show, etc....</p> <p>Researching communication of changes to program in to the electric bill that is mailed or emailed</p>
Enhance "Green" Recognition	On Going	<p>Complete</p> <p>Continue to identify & establish EPA Green Communities & Partnerships</p>

		<p>Strive to be #1 participant in Tri-State Green Power program</p> <p>Target – 10% participation from membership</p> <p>Received “Utility Green Power Program of the Year” award from the U.S. DOE 2010</p> <p>A number of stories recognizing efforts have appeared in articles regarding LPEA’s Green Power activities</p>
<p>Evaluate GP Purchase Options</p>	<p>On Going</p>	<p>Complete</p> <p>Reviewing third party solicitation to purchase REC at a discount price compared to Tri-State option</p> <p>Discussed with Tri-State the potential for a price reduction during March and April</p> <p>Tri-State reduced the price in May of 2010</p> <p>Board presentation to reduce LPEA price for GP scheduled for May, 2010. Recommendation to reduce both R18 and RL19 to ten cents per block</p> <p>Also that shared options for changes to board policies 359 and 361</p> <p>Board approved resolution for recommended changes</p>