

TREEDC 2013

April - Volume 2

Upcoming TREEDC

Events:

**April 22: TREEDC-
Jackson Luncheon**

**April 25: TDEC Solid
Waste Conference,
Gatlinburg , Tennes-
see**

**May 17: TREEDC-
Bethel University For-
um**

**June 12: TREEDC-
Franklin Forum**

**June 22: Tennessee
Municipal League Con-
ference**

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Tennessee Starts Pilot International Renewable Energy Exchange Program in the Philippines (Cont. on pg. 5)

The Tennessee Renewable Energy & Economic Development Council (TREEDC) has partnered with the Renewable Energy Association of the Philippines (REAP) to develop the TREEDC International Exchange Program which enrolls Philippine colleges and cities as members to join TREEDC's 92 cities/counties and 23 colleges in Tennessee, Mississippi and Arkansas. TREEDC has identified the Philippines as the pilot country to be used in this initiative. The mission of this program is to connect Tennessee

and Philippine renewable energy stakeholders in order to



Green Power Switch®

create more awareness, progress and development of renewable energy for each other.

During March 2013, a TREEDC delegation consist-

ing of President/Ducktown, Tennessee Mayor James Talley, Director Warren Nevad, International Affairs Consultant Doug Jackson along with REAP President Oly Serafica met with Presidents, Chancellors and Vice Presidents representing Central Bicol State University, Central Philippine University, University of Philippines Los Banos, Philippine Electronics and Communication Institute of Technology, Polytechnic University of the Philippines, Systems Plus College Foundation, and Technological Uni-

TREEDC Partners With TDEC and Pathway Lending To Implement the Energy Education Initiative

The Energy Education Initiative targets Tennessee businesses, public officials and communities. It is funded by the TDEC Office of Energy programs and delivered in conjunction with Pathway Lending through regional symposiums and energy efficiency forums. TREEDC will be hosting 5 of these events during the grant period. The Energy Education Initiative kicked off at the TDEC Environmental Conference in Kingsport on March 12, 2013 and extends through September 30, 2013. The Energy Education Initiative is a unique tuition –paid education initiative dedicated to broad based education in : 1) Energy Efficiency, 2) Energy Management; and 3) Renewable Energy.



KNOXVILLE ZOO GOES SOLAR

TREEDC Member Wampler's Farm Sausage, an East Tennessee sausage producer, and Family Brands International, makers of Elm Hill hot dogs, Cades Cove barbeque and other fine food products, partnered with TREEDC member ARiES Energy, LLC and Knoxville Zoo to install a 50 kilowatt (kW) solar PV system on the roof of The Stokely African Elephant Preserve barn. This installation will produce clean, renewable energy for the zoo and an educational opportunity for guests. Wampler's Farm Sausage chose to help Knoxville



Zoo achieve their sustainability goals by installing the largest solar system possible under the TVA Green

Power Providers Program solar installation guidelines. The zoo reached out to the food partners to help them

accomplish several goals: reduce their carbon footprint, promote environmental conservation and reduce their operating costs. The solar system will serve as an ongoing income stream for the zoo. "This truly is a gift that keeps on giving", said John Edd Wampler, president of Family Brands International. The system became operational in early 2013, providing utility savings to the zoo with the partnership of the Knoxville Utilities Board and the Tennessee Valley Authority's (TVA) Generation Partners Program.

The University of Tennessee at Martin joins

TREEDC



The TREEDC mayors are proud to announce that The University of Tennessee at Martin has joined TREEDC. UT Martin is featured in U.S. News & World Report top-tier ranking for southern master's institutions in the 2013 edition of America's Best Colleges. The Princeton Review also named UT Martin "A Best Southeastern College" for 2013 and

among the nation's "Best Value" colleges and universities in the book The Best Value Colleges: 2012 Edition (one of two public universities in Tennessee included in the listing); And, for the sixth consecutive year, UT Martin is listed

among America's 100 Best College Buys, a listing by Institutional Research and Evaluation, Inc.

UTM operates a large experimental farm and several satellite centers in West Tennessee.

myths are public dreams
dreams are private myths

- JOSEPH CAMPBELL

Johnson Controls Joins TREEDC as a Founding Member

Johnson Controls, is a global diversified technology and industrial leader serving customers in more than 150 countries. Johnson Controls will be a sponsor at the TREEDC-Jackson Forum on April 22, 2012.

170,000 employees create quality products, services and solutions to optimize energy and operational efficiencies of buildings; lead-acid automotive batteries and

advanced batteries for hybrid and electric vehicles; and interior systems for automobiles.

room thermostat. Through their growth strategies and by increasing market share they are committed to delivering value to shareholders and making our customers successful.

**Johnson
Controls**



Johnson Controls commitment to sustainability dates back to our roots in 1885, with the invention of the first electric

Jackson Councilman / TREEDC Legal Affairs Director Ernest Brooks, II Announces 4th Annual Renewable Energy Event for Area farmers and businesses

Jackson Councilman/TREEDC Legal Affairs Director Ernest Brooks, II is proud to announce the 4th Annual Renewable Energy Event for Area farmers and businesses to be held on April 22, 2013. TREEDC Founding Members Johnson Controls, Pathway Lending, The City of Jackson, Tennessee, Jackson Area Chamber of Commerce, Jackson Energy Authority, Tennessee Gas Association and the University of Tennessee have

partnered with the Tennessee Renewable Energy and Economic Development Council (TREEDC) to organize a community wide luncheon at the Jackson DoubleTree by Hilton

Hotel on April 22, 2013 beginning at 10:30 am.

New Tennessee Valley Authority (TVA) board member and Jackson businessman Mike McWherter will be the luncheon keynote speaker. Attendees will hear presentations from leading renewable energy organizations in Tennessee such as Johnson Controls and Pathway Lending.



TREEDC Member City Kingston Partners with TREEDC Member Energy Source Partners For Renewable Energy

The City of Kingston is counting on the power of the sun to generate revenue through a renewable energy source, working with Energy Source Partners to design and install a 50 kW ground-mounted photovoltaic system to be located at the site of an unused water plant.

Under the arrangement, the City is leasing a 1.8 acre site to Nashville based Energy Source Partners who will design, permit, fund, and install the solar PV system which is scheduled to be operational by mid-2013, according to Kingston Mayor Troy Beets. "Not only are we protecting the environment by using a renewable energy source, this project will generate revenue for the city and ultimately offset approximately 25 percent of

the electrical needs of the city's water treatment plant."



Mayor Beets is a member of the Tennessee Renewable Energy Economic Development Council, a statewide network of 92 city and county mayors and businesses, which actively support practical solar energy projects.

"This project is a public/private partnership that allows Kingston to both generate revenue and to generate renewable energy that lowers their carbon footprint," said Ron Merville, CEO of Energy Source

Partners. "Kingston will lead by example as a city committed to being a better steward of both their resources and the environment." Energy Source Partners has begun the process of enrolling Kingston in the Green Power Providers program with the

Tennessee Valley Authority (TVA). Through this program, TVA will purchase all of the project's green energy output. Through the terms of the partnership, the city will not invest any funds in the project but will receive 10 percent of the revenue until the project is amortized, when its share will increase to 40 percent.

TREEDC RELEASES 2012 ANNUAL REPORT

The 2012 TREEDC annual report is available online at <http://treedc.us>.

Some of TREEDC's goals for 2013 include working with TDEC on a Green certification program for local governments, finding and seeking TREEDC champions in the legislature and congressional delegation, starting relationships with the new TVA board and CEO, and to create a resource guide with Tennessee Tech.

Tennessee Starts Pilot International Renewable Energy Exchange Program in the Philippines Cont.

versity of the Philippines. These schools all agreed in principle to become members of TREEDC and to be matched for a sister school from the TREEDC college/university sector for informational and technology exchanges. TREEDC plans to court more Philippine schools and cities during the spring and summer. The TREEDC delegation will work with REAP to organize several free community outreach forums at various schools across the country in September. TREEDC also plans to replicate its renewable energy network developmental model in the Philippines.

TREEDC also met with Mayor Marino "Boking" Morales of Mabalacat City to invite him as an honorary mayor member of TREEDC. The delegation also met with CEMEX corporate officials to learn more about CEMEX's social responsibility plans on environment and clean energy awareness. TREEDC President Talley said "the purpose of this exchange program is to exchange mutually beneficial resources and strategies for the advancement of renewable energy and related economic development in our respective countries." REAP President Serafica stated that "TREEDC has committed to make the Philippines as the TREEDC pilot country and worldwide model for their inter-

national exchange program and that REAP is eager to work with TREEDC to make this educational program a success". TREEDC International Affairs Consultant Jackson mentioned that "Tennessee and the Philippines have very similar renewable energy biomass feedstocks and transportation fuel challenges that



impact air quality. We believe that our International Exchange Program will foster more information and appreciation for the need to use less fossil fuels and to provide a cleaner environment for generations of people". Jackson is a retired Tennessee Valley Authority project manager. In October last year, TREEDC Director/Founder Nevad visited the Philippines, and met with officials from various renewable energy associations and Department of Energy to gauge interest in the TREEDC International Exchange Program.

TREEDC is a non-profit network of cities, universities, and private businesses with the mission of providing leadership in promoting renewable energy and economic development for member organizations. TREEDC is affiliated with the University of Tennessee and currently includes 92 local governments, nine state and federal agencies, 23 colleges and universities, 60 commercial businesses and power utilities, and three international organizations. The Chairman of TREEDC is University of Tennessee President Emeritus Dr. Joe Johnson. TREEDC was awarded the Governor's Excellence in Ener-

gy Leadership by the State of Tennessee in 2012. Go to www.treedc.us for more information.

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TREEDC RETURNS TO HIWASSEE COLLEGE



The Mayors of the Tennessee Renewable Energy and Economic Development Council (TREEDC) held their first 2013 Community Energy forum at Hiwassee College on February 22, 2013.



The University of Tennessee's Institute for Public Service, Tetra Tech, PHG Energy and the Tennessee Gas Association sponsored this free community outreach forum for Hiwassee College students, staff and Monroe County area clean energy stakeholders.



Presentations ranged from funding strategies to actual best municipal practices in solar and compressed natural gas development. Hiwassee College students were treated to a breakout discussion in renewable energy by TREEDC Founding Member Tetra Tech representative Robert Kennedy, III. Former Congressman Zach Wamp was the lunch keynote

speaker.

TREEDC President/Ducktown Mayor James Talley recognized his fellow mayors in the audience: Graysville Mayor Ted Doss, Sweetwater Mayor



Doyle Lowe, Kingston Mayor Troy Beets and TREEDC Co-founder Graysville Commissioner Andy Beene. Hiwassee College President Dr. Robin Tricoli thanked the TREEDC mayors for being role models in clean energy and invited them back for another forum next year. 65 attendees also heard presentations from Pathway Lending, USDA Rural Development, PBG Genera

Energy, Tennessee Department of Environment and Conservation, and Cemex Corporation.

Monroe County Economic Development Director/

TREEDC Board Member Shan Harris stated that the TREEDC membership grew from 70 mayors to 92 mayors during the past year. In February 2012, TREEDC had 8 colleges and universities as

members and as of February 2013 had 23 including universities in Mississippi and Arkansas. In 2012, TREEDC brought in international partners from Germany, Philippines and Kenya to help these countries replicate the public/private approach and to help TREEDC business members with information and technology exchange.



TREEDC TO HOST MOBILE WORKSHOP AT TENNESSEE MUNICIPAL LEAGUE ANNUAL CONFERENCE

Covington Mayor/TREEDC West Tennessee Coordinator and TREEDC President/Ducktown Mayor James Talley have announced that TREEDC will host a mobile workshop in Covington on June 23. Covington has partnered with TREEDC Gold Member PHG Energy, a Tennessee-based alternative energy company, to convert waste to energy using PHG's downdraft biomass gasification equipment and technology.

This system converts a range of waste materials or renewable biomass to a low-emission substitute for natural gas or other fossil fuels.

The mobile workshop will provide local officials across the state with information on how to divert municipal wastes from landfill through the conversion into clean energy. Go to www.tml1.org for agenda information



TREEDC Schedules Community Energy Forum at Bethel University in McKenzie, Tennessee

TREEDC Mayors McKenzie Mayor Jill Holland, Carroll County Mayor Kenny McBride and Huntingdon Mayor Dale Kelley recently announced that TREEDC will work with area clean energy stakeholders to host a free community wide energy forum on May 17th at the Crisp Center on the campus of Bethel University. This workshop will be sponsored by Pathway Lending, Tennessee Soybean Association and Bethel University. There will be various presentations relating to biomass, solar and compressed natural gas. A free continental breakfast and lunch will be furnished. Check out www.treedc.us for registration information.



From Left to Right:
McKenzie Mayor Jill Holland, Carroll County Mayor Kenny McBride, Huntingdon Mayor Dale Kelley, Rep. Curtis Halford, Brad Hurley, President, Carroll County Chamber of Commerce, Senator John Stevens

New TREEDC Member Rhoades Car International

The Mayors of TREEDC are proud to announce that Rhoades Car International (<http://www.rhoadescar.com/>) has joined TREEDC. Rhoades Car International is a Hendersonville, Tennessee manufacturer of 4 wheel quadracycles with 1, 2, or 4 seats, single, 7 and 42 speed gearing, optional pedal-assist motor. They use Tennessee companies to make the majority of components and won the 2011 Innovator of the Year. They are assisting TREEDC with their efforts in promoting renewable energy technology such as solar bikes in the Philippines.



From Left to Right:

Aliza Totayo, U.S Department of Commerce, Nevada, TREEDC International consultant Doug Jackson, Bill Pomakoy, President Rhoades Car international and in front Phyllis Shelton, Vice-President Rhoades Car International

TREEDC- Grayville Elementary School Renewable Energy Forum

May 21, 2013

11:00 am – 1:30 pm

Schedule of Events

Introductions: TREEDC Director/University of Tennessee MTAS, Warren Nevad

The City of Graysville Energy Efficiency Project: Graysville Mayor Ted Doss

Alternative Fuels for Vehicles – Jonathan Overly, East Tennessee Clean Fuels

Energy from the Sun: Steve Levy, Tennessee Solar Energy Association

Energy from Yard Waste : Keith Ridley, UT-CIS

Energy from the Earth – Steve Levy

LUNCH: 11:30: 12:15: furnished by Wampler's Sausage

Tour of renewable energy exhibitors and new city hall

Exhibitors: Recycling, Geothermal, TREEDC, TDEC, TVA, Middle Tennessee Gas, EPB, PHG Energy, Tennessee Solar Energy Association, East Tennessee Clean Fuels Coalition