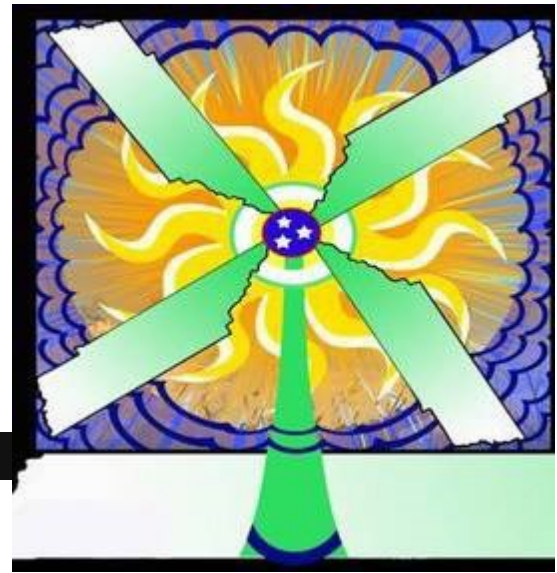


TREEDC JANUARY 2015 VOLUME 1

Tennessee Renewable Energy Economic Development Council

Jackson and Tennant Awarded TREEDC Champions for 2014

During the TREEDC International Conference with Tennessee Tech University (TTU), the TREEDC Mayors gave out its 2014 Champions award to two deserving members. Dr. Dennis Tennant, TTU Interim External Relations Director was awarded the Tennessee TREEDC Champion for his hard work in organizing the Inaugural International conference and for his assistance in establishing the International Exchange Program in the Philippines. Dr. Tennant also helped coordinate the statewide student career essay writing contest with TREEDC Board Member Pat Riley.



Upcoming Events

- USDA Rural Development Workshops - February 2015



Dr. Dennis Tennant, Tennessee Tech University and Warren Nevad, The University of Tennessee MTAS/TREEDC.

TREEDC International Affairs Director Douglas Jackson received the Philippines TREEDC Champion award for his efforts in partnering with 12 Philippine universities and 8 cities during 2014. Jackson also helped coordinate TREEDC relief efforts for typhoon victims in Tacloban. Jackson who is retired from the Tennessee Valley Authority (TVA) has spent countless hours in the Philippines advancing connectivity between Tennessee renewable energy stakeholders with their Philippine counterparts. Congratulations to DD and Doug!



TREEDC President James Talley and International Affairs Director Douglas Jackson.



10 Filipino Delegates Attend Renewable Energy Conference in Tennessee (Tennessee, USA)

Filipino Delegates representing local governments, academia and the media joined with the Tennessee Renewable Energy and Economic Development Council (TREEDC) members in an International conference which showcased a tour of renewable energy facilities and a sharing of best practices on October 10-17, 2014.

During the conference, Philippine and Tennessee renewable energy stakeholders developed an action plan to help each other advance renewable energy by creating more educational awareness, initiate social responsibility programs which facilitate energy efficiency, biomass and solar related projects. The Philippine delegation consisted of the following:

Naga City Philippines Mayor John Bongat

Philippine Association of Extension Program Implementers, Inc President Dr. Angelica M. Baylon, Maritime Academy of Asia and the Pacific

University of Pasig City Philippines President Dr. Amihan April Alcazar

Attorney Richard Anthony D. Alcazar of Tan Acut Lopez and Pison Law Offices

Technological University of the Philippines Director of International Linkages Dr. Gina Lapaz-Basa

Philippine Electronics and Communication Institute of Technology President Romeo Zerrudo

Philippines GNN News Network General Manager/ Central Bicol State Univ. Fred Perdon

PNU Vice President Rebecca C. Nueva España

PNU Visayas Executive Director and Provost Marites C. Geronimo; and

TREEDC International Affairs Director Douglas Jackson

The delegation was hosted by Tennessee Tech University, the University of Tennessee Institute for Public Service, Vis-Solis, PHG Energy, Wampler's Sausage, Rhoades Car International, NORESKO, Hannah Solar, Clean Line Energy Partners and the cities of Kingston and Ducktown.

TREEDC Member Franklin Hosts Tour of Mabalacat, Philippines Councilors

On November 21, 2014, Franklin Sustainability Coordinator Andrew Orr hosted a tour of the City's solar facilities at the Wastewater Plant. The City of Mabalacat officials shared their interest in solar and were also afforded a tour of the Factory. Thank you, Andrew.



Front row left to right: Dr. Marites Geronimo, Philippine Normal University(PNU), Dr. April Alcazar, President of Pasig City University, Dr. Angelica Baylon, Maritime Academy of Asia and the Pacific, Dr. Gina Basa, Technological university of the Philippines, Dr. Rebecca Espana, PNU, Back row – Naga City Mayor John Bongat, PECIT President Romeo Zerrudo, Nevad, Dr. Sujit Ghosh,US DOT, Jackson, Attorney Richard Alcazar and Fred Perdon, Central Bicol State University

TREEDC Begins 2015 Membership Drive

2014 was another very productive and exciting year for the Tennessee Renewable Energy & Economic Development Council (TREEDC). Due to our strong worldwide network of 96 city and county mayors, 30 colleges/universities and key partners, we were able to continue to build upon our foundation of promoting and connecting renewable energy with economic development for all communities and schools. We also continued our statewide elementary school energy education program and partnered with the University of Tennessee Institute for Public Service (IPS), Hiwassee College, Tennessee Tech University and several international colleges to conduct renewable energy forums. The TREEDC mayors also continued to reach out to our Tennessee and worldwide members to provide educational awareness and clean energy solutions. We held our first annual international Conference at Tennessee Tech and hosted Philippine leaders who are seeking solutions to their renewable energy needs. Our website averaged over 10,000 hits a month and many of our member cities completed solar, compressed natural gas and energy efficiency related projects. We also worked closely with PHG Energy, Vis Solis, Clean Line Energy and Gibson County Utility District to help advance wind energy and compressed natural gas. The TREEDC mayors continued to assist the Tennessee Valley Authority with their Integrated Resources Plan and solar valuation. In 2014, the TREEDC Mayors were recognized as a national finalist for their worldwide accomplishments by the University Economic Development Association.

The TREEDC mayors have developed an exciting 2015 calendar of events. We will also continue to reach out to our elementary schools by cosponsoring an Energy Careers Week in February. We are proud to partner with Tennessee Tech University to host our second annual international conference on renewable energy in Cookeville, Tennessee on October 13-15, 2015. The 2015 dues remain the same and will support our work plan. TREEDC forums will continue to be the "go to" venue for green entrepreneurs to showcase their technologies to local, state, federal and international leaders. Please click <http://www.treedc.us/membership/index.html> to sign up for membership.

Memphis-Shelby County Receives GOLD in Valley Sustainable Communities Development Program



TREEDC member Memphis-Shelby County has been designated as a Valley Sustainable GOLD Community in Tennessee Valley Authority's (TVA) economic development program. Memphis-Shelby County Office of Sustainability and Greater Memphis Chamber recently completed the program sponsored by TVA and developed and administered by consultant Boyette Strategic Advisors (BSA). "This takes Memphis-Shelby County's economic development marketing efforts to prospective and existing sustainability-focused companies to a whole new level," said Kelvin Kolheim, Director of Economic Development Greater Memphis Chamber.

The Valley Sustainable Communities Program, now in its second year, was initiated by TVA Economic Development as part of its community preparedness offerings to assist communities in evaluating existing sustainability programs, cataloging their sustainable assets, and increasing future commitments to sustainability. The goal of the program is to document a community's assets and increase the likelihood that they will be viewed as progressive and competitive by companies looking to invest in new or expanding existing locations.

"Shelby County has already made significant strides in the area of sustainability, from the development of the Sustainability Shelby Plan and Mid-South Regional Greenprint, an increase in number of greenways and bike lanes, and reduction of energy use in government buildings. This Gold designation allows the county to leverage this success in order to attract new corporate investment and create jobs," said Shelby County Mayor Mark H. Luttrell, Jr.

"We are proud that Memphis-Shelby County has successfully completed the Valley Sustainable Communities Program," said Del Boyette, President/CEO of Boyette Strategic Advisors. "The gold level designation recognizes that a community has community-wide sustainability initiatives in place, with programs available to support the existing business community and promote economic development."

Sustainability has become a key issue for economic development organizations and communities as more corporations have demonstrated an increasing commitment to sustainability. More than 90 percent of corporate real estate executives who responded to a CoreNet Global survey on sustainability said that it is a consideration in their company location decisions. The typical reasons for this corporate commitment are reduced operating costs for increased profitability and greater employee satisfaction.

Thirteen communities were recognized as Valley Sustainable Communities in 2013, and an additional 12 communities are seeking recognition this year. In addition to completing the inventory of sustainable assets and utilizing the Valley Sustainable Communities designation in their marketing materials, communities that complete the program also receive marketing support from TVA Economic Development.

TREEDC Holds Inaugural International Renewable Energy Conference at Tennessee Tech

The Tennessee Renewable Energy and Economic Development Council (TREEDC) held its inaugural international renewable energy conference at Tennessee Tech on October 13-14, 2014. 90 participants participated in the Conference. The powerpoint presentations from the conference will be available at www.treedc.us.

Dr. Dennis Tennant, Interim External Relations Director at TTU, Franklin Sustainability coordinator Andrew Orr and MTAS Management Consultant Warren Nevad developed the agenda. The keynote presentation was given by NORESCO CEO Neil Petchers gave the keynote address.



Tennessee Tech VP Dr. Bharat Soni addresses the attendees

TREEDC Returns to the Philippines in December 2014

The Tennessee Renewable Energy & Economic Development Council (TREEDC), the University of Tennessee (UT) and Tennessee Technological University (TTU) delegates returned to the Philippines in December 2014 to participate in a national convention, regional green technology summit and two academic forums. The objectives of this visit were to become more familiar with Philippines laws and customs; commence preparations for an International Trade Mission to the Philippines around July 2015; and to cultivate proposals from TREEDC-Philippine members interested in seeking partnerships with U.S technology manufacturers and providers.

Delegates from TREEDC, UT and TTU participated in the Philippine Association of Extension Program Implementers (PAEPI). Convention held at Pasig City University on December 1st thru 3rd, 2014. PAEPI is a private, non-stock, non-profit, professional organization dedicated to the promotion and enhancement of the role of extensionist as key players in people empowerment for sustainable community development. A total of 84 Philippine colleges and universities were represented at the convention.

The Tennessee delegates reviewed research abstracts from the Philippine premier colleges/university's extension and outreach programs. Both the University of Tennessee and Tennessee Tech have comprehensive and innovative community outreach programs and the TREEDC International Exchange Program offers opportunities in linking Philippine cities, businesses and schools with Tennessee counterparts.

TREEDC International Affairs Director Douglas Jackson, The University of Tennessee MTAS Management Consultant Warren Nevad, and Tennessee Tech University (TTU) Vice President of Research and Economic Development Dr. Bharat Soni, Pasig City University President Dr. April Alcazar and PAEPI President/Maritime Academy of Asia and the Pacific Professor Dr. Angelica Baylon provided renewable energy related presentations and served as judges for extension research related best practices. Outcomes generated from the convention included the following:

Development of a Master Memorandum of Understanding between PAEPI, Tennessee Tech and TREEDC which results in a consortium of Philippine sister colleges for TTU;

Building stronger academic and municipal linkages as it relates to renewable energy;

Assistance to PAEPI in recruiting more member colleges to its organization;

Planning for an International Trade Mission with Tennessee officials and technology providers in Summer 2015 to explore upcoming project proposals from PAEPI member schools, and related private sector businesses and local governments.



L-R photo: San Beda College, Doug Jackson, TREEDC International Affairs Director, Warren Nevad, The University of Tennessee MTAS/TREEDC, Dr. Rajesh Arora, Dr. Bharat Soni, Tennessee Tech University and in the front: Dr. April Alcazar, Pasig

Planning for a PAEPI Conference with the Affiliated Renewable Energy Centers that are part of the PAEPI-TTU network.

Review and discussion of the Extension Services provided by the University of Tennessee; and Development of energy efficiency benchmarking practices for Philippine member academic institutions;

TREEDC has developed a comprehensive network of many Philippine colleges, local government units (LGUs) and related businesses to advance renewables in the Philippines through TREEDC technology providers in the United States. TREEDC has replicated its developmental approach in the Philippines that was originally created in Tennessee to achieve significant renewable energy progress in the Volunteer State during the past 6 years.

On December 5, 2014, the Technological University of the Philippines (TUP) held a roundtable forum featuring representatives from the Tennessee Renewable Energy & Economic Development Council (TREEDC), Philippine Department of Energy, Base Conversion Development Authority (BCDA) and CHEMREZ in Taguig City, Philippines. Discussions centered on renewable energy opportunities for TUP's four campuses and collaboration with a new planned campus expansion.

TUP President Dr. Adora Pili announced that TUP and TREEDC will partner for the establishment of clean and efficient renewable energy for the campus expansion. Other partners with this expansion project hail from India and Taiwan. The objectives for the expansion project include the following:

Increasing industrial plant production; Creating a renewable energy center, solar powered university; Supporting nearby industries; and Offering courses for the K-12 high school graduates. Later that day, Philippine Normal University (PNU) Manila Campus hosted TREEDC for a planning meeting for its Green Technology Summit in Bacolod. The Philippine Normal

University (PNU) is a public research university in Manila, Philippines established in 1901. Pursuant to Republic Act No. 9647, it is now funded and operated as a National Center for Teacher Education in the country. PNU has 5 campuses across the Philippines.

TREEDC then visited the campus of San Beda College and met with their officials to tour the campus. San Beda College is a Private Roman Catholic Benedictine college run by the Benedictine monks in the Philippines. It is located in Mendiola, Manila, for college and Taytay, Rizal for Elementary and High School. It was founded in 1901.

TREEDC officials arrived in Bacolod on December 9, 2014 to tour the area and to participate in the Green Technology Forum and the PNU-Cadiz City educational event. Philippine Normal University (PNU) held a Green Technology Summit on December 10, 2014 in Bacolod City, Negros Occidental. Representatives with the Tennessee Renewable Energy & Economic Development Council (TREEDC) helped banner the theme "Green Plans for Environmental Sustainability." The summit involved local stakeholders, international resource speakers, local



TUP Participants



government units, universities and colleges officials, business and industry representatives and the University faculty. PNU Visayas Executive Director and Provost, Dr. Marites C. Geronimo, inked additional TREEDC memorandums of agreements with Carlos Hilado Memorial State College and Northern Negros State College of Science and Technology.

The Conference Policy statement included an objective to establish linkages/network, and partnership with other institutions, agencies and sectors in the creation and

From left to right: Dr. Victor Fumar, Philippine Normal University (PNU), Alcazar, Jackson, Soni, PNU President Dr. Ester Ogena, PNU Executive Director Dr. Marites Geronimo and Nevad.

promotion of sustainable programs using innovative energy technologies. PNU Visayas held the Student Forum on Green Technology with the TREEDC speakers sharing their insights with approximately 700 university students at the campus in Cadiz City on December 11. The three speakers answered questions from students during the open forum.



PNU – Visayas Green Technology Summit- left to right: Warren Nevad, the University of Tennessee MTAS/TREEDC, TREEDC President James Talley, Bacolod, Philippines Mayor Monico Puentevella, Toboso, Philippines Mayor Richard Jaojoco, TREEDC International Affairs Director Douglas Jackson and PNU-Visayas Executive Director Dr. Marites Geronimo



PNU-Cadiz Forum students smile for the camera