

Office of Energy Programs 2014 Initiatives

Tennessee Renewable Energy and
Economic Development Council
Hiwassee College April 4, 2014

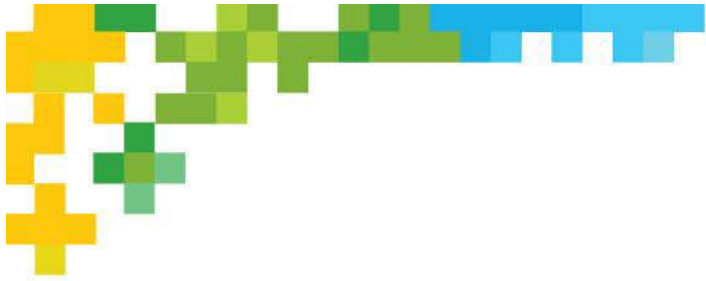
Pete Westerholm, Program Manager
TDEC Office of Energy Programs





Office of Energy Programs

- Designated Department of Energy's (DOE) Energy Office for the State of Tennessee.
- Organizes and oversees programs as part of DOE State Energy Program (SEP), including the Tennessee Energy Education Network (TEEN) and the Tennessee Energy Education Initiative (TEEI).
- Awarded 2013 State Energy Program Competitive Grant Project for Stimulating Energy Investments in Hard to Reach Public Sectors: Small Towns and Public Housing Authorities.



TEEN

- K-12 Energy Education Program focusing on students, educators, and school communities.
- In 2008, TEEN partnered with UT to launch 4-H Energy Program. In 2012-2013, 4-H touched 49 counties and 53,729 students.
- TEEN hosts 2-3 Energy Camps for K-12 educators. This is a multi-day professional development experience to assist teachers “energize” their classrooms and to support STEM curriculum. Last year, 82 educators attended.
- Upcoming Camps: The deadline for teachers to apply is April 11, 2014, and spaces are filled on a first-come, first-served basis. Information on the camps can be found on the OEP Website: http://www.tennessee.gov/environment/energy_education.shtml.



TEEI

- OEP launched TEEI in the Spring of 2013 with funding from the American Recovery and Reinvestment Act.
- TEEI's mission is to provide in-depth training and educational tools to support the implementation of energy efficiency, renewable energy, and energy management projects in all sectors.
- TEEI has leveraged relationships with State Agencies, Local Governments, TVA, Oak Ridge National Lab, and Non-profits including TREEDC.



TEEI – 2013 Highlights

- 48 events and activities, including:
 - 4 QECB Workshops (60)
 - 4 Business / Industry Lunch & Learn Sessions (168)
 - 6 Energy Efficiency in Water & Wastewater Systems Workshops (229)
 - 3 Summits (Memphis, Nashville, Knoxville) (572)
 - 2 Webinars (198)
 - 2,837** total participants
- Creation of Initiative Website and Online Resource Center www.tnenergy.org



TEEI – 2014 Activities

Tennessee Environmental Conference, Kingsport

- In March, OEP organized and conducted session on untapped opportunities for commercial and industrial energy efficiency in Tennessee with panel of experts from Pathway Lending, TVA, the Industrial Energy Efficiency Network, Tennessee Tech University, and Ameresco.

Tennessee Environmental Show of the South

- In April – OEP will organize and moderate panel session on “New Entrants in Electricity Generation in the Tennessee Valley.”
- Other TEEI events are in the planning stages and will be announced later in the Program Year.



STATE ENERGY PROGRAM 2013 COMPETITIVE AWARD

- In December 2013, the U.S. Department of Energy awarded OEP \$426, 644 for its State Energy Program 2013 Competitive Funding Opportunity Announcement (FOA) application.
- Tennessee was just 1 of 6 states to receive funding in the FOA's Area of Interest 3 – Retrofitting Public Buildings.



STATE ENERGY PROGRAM 2013 COMPETITIVE AWARD

- Project objectives are to provide education, outreach, and technical assistance to – and serve as technical assistance providers for – local governments and public housing authorities (PHAs) to drive demand for energy efficiency investments in the State of Tennessee.
- The grant period of performance is February 1, 2014 to January 31, 2016.



STATE ENERGY PROGRAM 2013 COMPETITIVE AWARD

- Project will explore four primary financing options: (1) energy performance contracting; (2) utility incentives; (3) utility bill repayments; and (4) commercial PACE.
- Other financing options may be identified during the grant period.
- Engagement activities include workshops, forums, and meetings.



STATE ENERGY PROGRAM 2013 COMPETITIVE AWARD

- OEP project team consists of energy efficiency consultancy group Clean Energy Solutions, Inc. (CESI), and regional and local energy efficiency experts. CESI is also working with Virginia and Maryland on similar grants.
- Umbrella stakeholder partners include: TREEDC; Tennessee Association of Housing and Redevelopment Authorities; Tennessee Housing and Development Agency; TVA; and Tennessee Municipal League.



STATE ENERGY PROGRAM 2013 COMPETITIVE AWARD

- Work will be accomplished in 4 Phases:

Phase I – Planning and Organization

Phase II – Initial Outreach

Phase III – Technical Assistance and Ongoing
Outreach

Phase IV – Final Reconciliation and Reporting



Phase I: Planning and Organization (M1-6)

- Align and organize stakeholders
- Create outreach plan
- Draft outreach collateral / materials
- Establish data management protocols
- Establish partnerships with energy service companies and participating agencies
- Identify and track financing mechanisms
- Investigate feasibility of commercial PACE



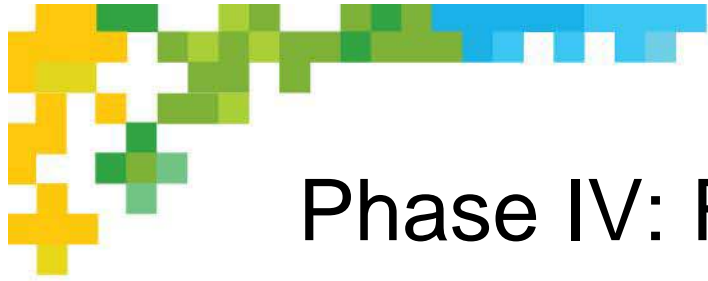
Phase II: Initial Outreach (M6-12)

- Hold meetings with local governments and PHAs
- Finalize and distribute outreach collateral
- Milestone: secure commitments from at least 5 local governments and 4 PHAs
- Collect utility data from participating agencies
- Issue Request for Qualifications for participating contractors
- Release report on feasibility of commercial PACE as a potential energy efficiency financing option in Tennessee



Phase III: Technical Assistance (M12-21)

- Hold meetings with local governments and PHAs
- Finalize and distribute outreach collateral
- Milestone: secure additional commitments from at least 5 local governments and 4 PHAs
- Collect utility data from participating agencies
- Issue Request for Qualifications for participating contractors
- Release report on feasibility of commercial PACE as a potential energy efficiency financing option in Tennessee



Phase IV: Final Reporting (M22-24)

- Hold meetings with local governments, PHAs, and stakeholders to discuss next steps
- Completion of data analysis for participating governments and agencies
- Submit final report
- Submit implementation model to promote similar program outcomes in other states and regions



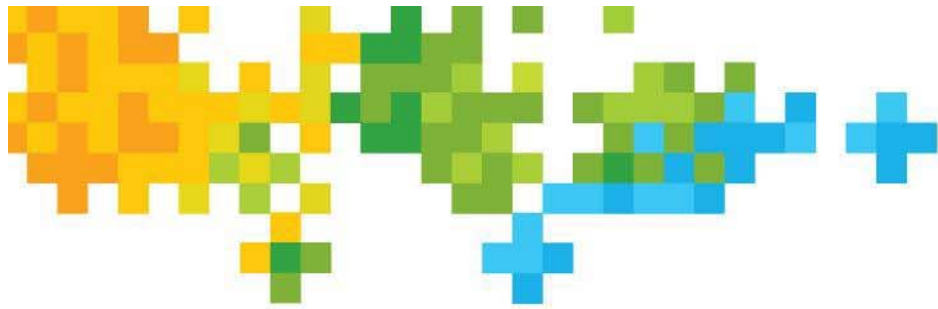
Questions & Next Steps

Luke Gebhard, Senior Program Manager

615-532-8798

luke.gebhard@tn.gov





Thank You

OEP Energy Hotline: 615-741-2994

TDEC OEP Website

http://tn.gov/environment/energy_qualified-energy-conservation-bonds.shtml