



Industry Panel Bios

Joe Christie, CEM : Moderator

Joe Christie, CEM, is the Senior Manager for Pepco Energy's Raleigh, North Carolina office. Corporate offices are in Arlington, Virginia.

Joe develops and directs Energy Savings Performance Contract (ESPC) projects for Municipalities, Universities, K-12 School Systems, and Hospitals in the Southeast. He has been responsible for successful customer outcomes for over 6 years delivering more than \$31 million in infrastructure entirely paid by energy savings.

Joe has management and development background in consulting engineering, equipment distribution (President), construction (Vice President GC, CM at Risk and Design/Build) and in healthcare (Vice President for a medical center). This background adds perspective to the turn-key energy performance projects Pepco Energy develops, manages, and guarantees. He graduated with a Bachelor of Science degree in Mechanical Engineering from the University of Kentucky and completed the Executive Management Program at UNC.

Christopher F. Halpin, PE, LEED, CEM, CMVP

Chris Halpin is the President of Celtic Energy, Inc. an independent energy consulting firm he founded in 2000, specializing in energy efficiency, performance contracting consulting, and sustainable/green building consulting, with four offices across the country. Celtic Energy assists clients in reducing energy costs locally, nationally, and internationally.

Chris has been active in the energy efficiency industry for 28 years, working for several premiere ESCOs and consulting firms in various roles including engineering, management, and sales. He is also the former Global Energy Manager for NCR Corporation. In 2009 he was selected by US Secretary of Energy, Steven Chu to be an official Recovery Act Proposal Reviewer for EECBG, SmartGrid and Renewable Energy proposals.

His public clients include the US Department of Energy, all branches of the military, Energy Offices of North Carolina, Nevada, Rhode Island, Louisiana, the CT Clean Energy Finance & Investment Authority, nine campuses of UNC, and dozens of states, cities and school districts across the country. Corporate clients include United Technologies-Pratt & Whitney, Jones Lang LaSalle, CBRE, Travelers Insurance, Bank of America, Green Campus Partners, several major utilities, and many others.

He is the primary author of the *“Best Practices Guide for Energy Savings Performance Contracting (ESPC) In the Municipal, University, School, and Hospital Markets”* and a co-author of a whitepaper in the Critical Issues Series from BEPA News’ Green Building and Sustainable Development in the Commercial Real Estate Industry titled *“M&V in Energy Performance Contracting Using ASTM BEPA Methodology”*. Both documents are available at www.celticenergy.com

Chris has a Bachelor’s degree in Mechanical Engineering, and is a registered Professional Engineer in seven states and the Republic of Ireland. He is a Certified Energy Manager, and Certified Measurement & Verification Professional by the Association of Energy Engineers, and a LEED (Leadership in Energy and Environmental Design) Accredited Professional (since 2003) by the US Green Building Council. In 2011 he was honored by the Association of Energy Engineers as a ‘Legend in Energy’ at the 34th Annual World Energy Engineering Congress.

Clay Nesler

Clay Nesler is the Vice President, Global Energy and Sustainability for Johnson Controls. In this role, he is responsible for energy and sustainability strategy, policy, innovation and the Johnson Controls Institute for Building Efficiency. He also serves on the company’s global environmental sustainability council. Since joining Johnson Controls in 1983, Clay has held a variety of leadership positions in research, development, marketing and strategy in both the United States and Europe.

Nesler is the vice-chair of the World Environment Center and serves on the advisory boards of the NRDC Center for Market Innovation and the University of Illinois Department of Mechanical Science and Engineering. Clay received BS and MS degrees in Mechanical Engineering from the University of Illinois at Urbana-Champaign and is a co-inventor on ten patents. He is a winner of the 2005 Corenet Global Innovator’s Award and the 2012 VERGE 25 award.



Greg Merritt

Greg is the Vice President of Lighting Marketing at Cree, Inc., a leading innovator and supplier of energy efficient LED chips, components and lighting products. Greg has been at Cree since 2006, and leads Cree’s marketing efforts in LED lighting, including product marketing, advertising, channel marketing, events, communications and government relations. Prior to his current role, Greg led Cree’s corporate marketing efforts, including initiatives such as the LED Revolution campaign, the web, corporate events, PR, and corporate communications. Greg also serves as Member of the Board of the Southeast Energy Efficiency Alliance (SEEA) and is a member of the Board of Advisors for the Center for Energy, Development and the Global Environment (EDGE) at Duke University.



Prior to joining Cree, Greg was Vice President of Marketing at Nortel, Inc., where he led the market introductions of several new and innovative products and technologies. He has a MS, Operations Research from the University of California, Berkeley, and a BS, Systems Engineering from the University of Virginia.

Gary A. Steinberg

Gary Steinberg is System Manager, Outdoor SSL Fixtures for GE Lighting Solutions. Gary has an MS in Optical Engineering from University of Rochester, undergraduate degrees in Physics and Electrical Engineering, and 32 years of experience in electro-optical systems design. During his 14 years with GE Lighting Systems, Gary has been an individual contributor in product development, luminaire optical design, and photometric test and measurement.

Gary currently serves as Chair of the Outdoor Subcommittee for the IESNA Testing Procedures Committee and is a member of the TPC's SSL Subcommittee and was a technical contributor the DOE MSSLC Model Specification for LED Roadway Luminaires. In his current position at GE Lighting Solutions as Outdoor SSL Systems Manager, Gary is responsible for product performance specifications, long-range technical planning for product development and photometric test capability, and for monitoring and participation in regulatory and standards activity for Outdoor SSL products.

