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FOR IMMEDIATE RELEASE

**Energy leaders recognized at WEEC, September 25, 2013  
at the Washington Convention Center in Washington, DC**

**Washington, DC (September 23, 2013)** – Through its International Awards Program, the Association of Energy Engineers, a nonprofit professional association of over 16,000 members, recognizes the important work being done in energy by individuals, organizations, agencies, and corporations. The following awards will be presented September 25<sup>th</sup> at the 36<sup>th</sup> World Energy Engineering Congress in Washington, DC.

**Energy Engineer of the Year Award**

*Steven D. Heinz, CEM* has devoted his professional career to promoting energy engineering by making information about energy usage more accessible and useful. In 1980, Mr. Heinz realized that emerging PC technology could be a valuable energy management tool. This led to his development of FASER energy accounting, the first commercially available PC software to track, analyze and report energy usage. FASER was widely used by multi-site government, education and business organizations, including many energy services companies, in the 80's and 90's. He replaced it in 2002 with EnergyCAP, a new web-based energy efficiency platform. Recognizing that effective energy management begins with energy information, Steve has led the development of a full suite of user-friendly tools for utility bill tracking, ENERGY STAR Portfolio Manager interface, greenhouse gas emissions reporting and smart meter data analysis. Over a span of thirty years his software tools have aided over 10,000 energy managers in the tracking of 25 billion dollars of energy spend. More importantly, by providing a trusted third party measurement and verification tool, his software helped to advance energy performance contracting and documented about 4 billion dollars of cost avoidance.

**Corporate Energy Management Award**

The leading global brewer, *Anheuser-Busch InBev*, has integrated an aggressive sustainability program into its core business and is committed to using less water and energy, generating less waste, and reducing emissions, while maintaining the highest safety and quality standards. Recognizing that manufacturing and distribution are energy and materials intensive, they have pushed for continuous improvement on many fronts, including logistics, use of lighter-weight materials, and energy and water efficiency. The energy and water management components of its Voyager Plant Optimization program (VPO) enabled savings of 5.99 million MMBTUs over three years. These energy savings would not have been possible by changing the operations at just a few breweries; they required management standardization in its more than 140 beverage plants disseminated over 20 countries. Initiatives were multiple, ranging from improved metering and simple process optimizations to the installation of biomass boilers. As of the end of 2012, about 95% of Anheuser-Busch InBev's beverage plants were certified by VPO requirements and the company had achieved its set of three-year global environmental goals on water, energy, carbon emissions, and recyclability. In June 2013, the company committed to a set of seven new global goals, to be achieved by the end of 2017, that address the company's key environmental priorities, including a focus on addressing energy and water challenges faced by key facilities and barley growing regions.

### **Energy Professional Development Award**

*Asit Patel, EBCP*, President of ANP Energy Consulting Services Corp., has over 18 years of experience in energy auditing, training, engineering and other aspects of energy use improvement matters in the multi-family and commercial building sector of our industry. He has taught over 2,200 students in 7 different courses. Some of these courses prepare students for certifications in the energy field; these certifications are helping build an energy efficiency infrastructure in New York. Asit specializes in optimization of steam & hot water heating systems. His guiding principle is energy efficiency first and foremost, through O&M improvements, before upgrade and retrofits, resulting in practical, cost effective, and immediate savings. More recently, Asit served as a Subject Matter Expert on panels assembled through US Department of Energy contracts to create MF Standard Work Specifications and Job Task Analysis for building operators. For his outstanding efforts Asit was honored with both the NYC Chapter, and AEE Region I Energy Professional Development of the Year awards. Asit has been an active Board member of NYAEE for more than 10 years. He is Past-President of the NY-AEE Chapter, and since stepping down from that is a key member of the Annual Gala, and chapter awards committee. He is also past Region I Vice President of AEE.

### **Energy Manager of the Year Award**

*Thomas Mort, CEM* has been focusing on energy management since 1981. His energy management career started as a licensed control room operator at Big Rock Point Nuclear Power Plant. His profession has grown to involve receiving a CEM Certification, and owning and directing an energy consulting firm supporting manufacturing facilities globally. Currently, he is leading the energy management and sustainability efforts of the Archer Daniels Midland Company. His experience has helped him develop a plan for global manufacturing which optimizes and accelerates the implementation of energy conservation and cost reduction strategies. Through the plan in 2012: 103 projects were completed gaining \$3.36 million of incentive funds and reducing of 85.5 million kWh/yr of electricity and 100,200 mcf of natural gas. In addition to these project and program specific activities, Mr. Mort will be leading Energy Management Workshops in 2013 for plant engineers.

### **Energy Project of the Year: National Award**

#### ***Commonwealth Energy Management and Control System, Commonwealth of Kentucky***

The Commonwealth of Kentucky is the birthplace of coal mines with many operating mines today. But even with clean coal initiatives, the Kentucky government has set forth many challenging energy conservation and efficiency goals. These goals include tracking all utility usage and spending; reducing energy use of 15% by 2015 and 25% by 2025; and increased use of renewable energy resources. The Commonwealth Energy Management and Control System (CEMCS) was launched to help meet these goals for the state's 7,500 buildings by providing information to optimize maintenance utilization and improve capital spending. CEMCS shows building performance and detailed energy and operational data. Weather and schedule normalized baseline and tracking reports are available for each building to everyone. This information will help building managers to make low cost changes such as setting thermostats per time of day or boiler and chiller sequence of operations changes. These low cost changes can have high impact on energy usage. With the initial rollout, 127 million kBtu and 2 million were saved as well as an energy use reduction of 15.6% on implemented facilities.

## **Energy Project of the Year: International Award**

### ***Irish Naval Services***

With an impending increase in operations outputs, the Irish Naval Services saw a need to improve energy usage. Their goal was to reduce energy consumption by 30%. For this to be possible, improving energy efficiency became part of daily operations; an education program was implemented where a number of engineers became Certified Energy Managers and implementation of a program based off of the International Energy Management Standard was set in place. An in-house review of energy usage helped the newly appointed energy engineer and team to better understand the Naval Service's needs. In addition, the energy team knew that any system put into place could not restrict operational output or capabilities. Through the implementation of an Energy Management System within the formal military structure, The Irish Naval Services is the first military organization worldwide to be certified to the International Energy Management Standard ISO50001. They reduced energy consumption by 30%, increased technical understanding of energy consumption and improved coordination between operational and engineering functions of the Naval Service.

## **Renewable Energy Project of the Year Award**

### ***Collinwood BioEnergy Anaerobic Digestion Plant, Forest City Enterprises***

As a leader within the real estate industry, Forest City works is working to replace a sizeable grid-supplied electricity expense with renewable energy from facilities that the company develops and owns. Forest City and Quasar Energy Group completed the Collinwood BioEnergy Anaerobic Digestion plant in 2012 which is the first stand-alone application in a major urban city in the United States. The location, Cleveland, Ohio was perfect for investment because Forest City owns several downtown office buildings consuming significant quantities of electricity. The plant located at a Brownfield site at the former GM Fisher Body Plant on the east side of Cleveland is a 1.3 megawatt Anaerobic Digestion (AD) waste-to-energy system. Forest City already owned the Brownfield site which it had been redeveloping for commercial use over the past decade. Forest City made a \$5.5 million investment in the Collinwood AD system at the GM property. The system uses the AD process to break-down organic waste residuals from local businesses to produce electricity that is sold to the local utility company Cleveland Public Power (CPP). The system, which was introduced to the public during a ceremony July 9, 2012, is producing enough electricity to power the equivalent of 582 homes, natural gas for 113 homes, or compressed natural gas to fuel 838 cars per year. Anaerobic Digestion is done in a sealed tank where microorganisms break down organic waste without oxygen creating two byproducts, energy and liquid compost. The digester handles 50,000 tons of waste/year and produces 1.3Megawatts/hour. It is able to produce high density power with a small carbon footprint.

## **Renewable Energy Innovator of the Year Award**

***Dominic Wanjihia Kahumbu*** saw a need in Kenya for clean energy. Wood is the most common energy source used for cooking and has depleted a significant amount of Kenya's forests. Dominic Wanjihia Kahumbu developed the Flexibag to help find a clean fuel resource for cooking. Conventional Kenyan digesters are expensive, inefficient, and can only be built by homeowners, a small proportion of the population. The Flexibag costs \$300, can be transported via motorcycle, and installed in less than two hours. The system, installed above ground, is covered with a material that keeps rain from cooling, blocks UV rays and allows infrared rays to pass through causing fermentation. Dominic has shown developing countries can also make energy efficiency a priority.

### **Young Energy Professional of the Year Award**

Since becoming the first Energy Engineer in General Mills 5 years ago, **Graham Thorsteinson, CEM, CEA** has delivered a total of 5 million in energy savings at one General Mills cereal plant including a normalized energy reduction (BTU/lb) of 29%. Last year, Graham advocated to senior leadership to hire energy engineers in all 7 cereal plants, and he now leads this team. He developed the “5 Step Energy Reduction Process” for this team to follow. The process focuses on continuous improvement with a three year energy reduction plan based on plant specific calculations and solutions. Graham’s process and leadership of the team resulted in 3.7 million in savings in one year including a 9% BTU/lb reduction for the cereal division, with similar results expected over the next couple years. This significantly exceeded the 1.4% reduction per year that the division has averaged since 2005. The energy reduction program is being rolled out to another division this year with a plan to eventually cover entire supply chain, further proliferating the savings.

### **Special Recognition Award**

**Saudi Aramco**, a fully integrated, global petroleum and chemicals enterprise, is the state-owned oil company of the Kingdom of Saudi Arabia. During its 80-year history it has become a world leader in hydrocarbons exploration, production, refining, distribution, shipping and marketing. It is the world’s top exporter of crude oil and natural gas liquids (NGLs). Saudi Aramco is committed to promoting energy efficiency and energy management in Saudi Arabia and around the world. It also dedicates significant resources and project management capacity toward supporting the government in developing an array of programs and institutions aimed at advancing national education, developing the knowledge society, and diversifying the economy. AEE would like to recognize Saudi Aramco for its leadership in support of the energy management profession.

### **Distinguished Service Award**

**Gary Hogsett, P.E., C.E.M., LC, LEED AP** served with distinction as the 2012 President for AEE. He is nationally recognized as a leader in the energy management field. He currently serves as Senior Energy Engineer for Mid-America Manufacturing Technology Center. Over a span of 30 years, Gary has held a wide range of energy management consulting positions. He previously served as the State Energy Engineer for the State of Kansas, as well as an Energy Analyst for the Oklahoma Energy Analysis & Diagnostic Center. He provided energy consulting for thousands of facilities while employed by firms such as Johnson Controls, Tetra Tech, CBRE, and Burns & McDonnell. Gary received both his Bachelor of Science & Master of Science degrees in Industrial Engineering from Oklahoma State University. He has served as Region IV Vice President and is currently a member of the Certified Energy Manager certification board. He is active in the Kansas City Chapter, and under his leadership as President, the Chapter was selected as AEE’s Chapter of the Year. Gary is an accomplished and passionate public speaker and trainer and has won ten local and regional public speaking contests sponsored by Toastmasters International.

## **Special Recognition Award**

*Larry Good, C.E.M., B.E.P., C.S.D.P., C.E.A* has traveled around the world to promote The Association of Energy Engineers (AEE) at his expense and on his own time. Larry has reached out to professionals in developing markets to offer help bringing the latest advances in energy to their country. The time and effort that he continues to put into his volunteer work as the AEE Director for International Membership Development and the Chairman of the AEE International Certification Board, goes beyond what would be required of a career. Larry has seen first-hand the power of AEE's chapters and the importance of training and certification. It's because of this that he takes every opportunity to offer a helping hand and an encouraging word to those willing to take on the rewarding work of chapter leadership in their countries. It's because of this that he spends hours upon hours in the middle of the night if needed pouring over certification documents to make sure they best serve our international market. He is a true leader and a respected colleague and most-of-all, FRIEND, to all that have the honor of working with him. Larry and his wife Maia have lived abroad since 2000 making a mark in each country they have lived including, Georgia, Armenia, Brazil, Cyprus, Turkey, and Ukraine. No mark could be greater than that of the one Larry has made and continues to make on AEE's International programs. We thank him for his invaluable service to our international members, international chapters, AEE and the industry we are all gathered here tonight for.

## **About the World Energy Engineering Congress (WEEC)**

The WEEC is the nation's largest energy efficiency conference and exposition and addresses new advances in lighting, HVAC, and energy management technologies. Subjects include: energy policy, high performance buildings, and energy management "best practices" for the federal, commercial, institutional, and industrial marketplace.

For the conference program, go to:

<http://www.energycongress.com/program/2013weec/2013weecprogram.html>

## **About AEE**

The Association of Energy Engineers is a 501(c)(6) nonprofit professional organization that specializes in training, membership development, chapter development, and certification for professionals practicing in the fields of energy management, renewable energy and green buildings. The mission of AEE is to promote the scientific and educational interests of those engaged in the energy industry and to foster action for sustainable development.

For general information about The Association of Energy Engineers (AEE) and World Energy Engineering Congress (WEEC), please contact Stephenie at (770) 447-5083 or visit

[www.energycongress.com](http://www.energycongress.com).

For media passes, or to schedule an interview, please contact Megan O'Neil at (770) 447-5083 x229 or [megan@aeecenter.org](mailto:megan@aeecenter.org).