

Bill Eger, University of Dayton

IAC Roots

Bill Eger joined the Industrial Assessment Center (IAC) in the spring of 2004, while he was working on his master's degree in Mechanical Engineering at the University of Dayton, Ohio. He stayed with the IAC for more than two years, departing the program in December of 2006. During his time with the IAC, Bill completed 73 IAC assessments and participated in DOE's Plant-Wide Assessment and *Save Energy Now* programs. One of his most notable learning experiences at the IAC was being part of a team that, at the request of Senator Sherrod Brown's (Ohio) office, conducted analysis and design of cogeneration opportunities for a northern Ohio manufacturer. This project was executed in collaboration with the Department of Energy's Midwest CHP Applications Center. During his tenure as the IAC Lead Student, Mr. Eger enjoyed several opportunities to speak with CEOs and senior-level executives of prominent companies on the value of energy savings in relation to business profitability.

In addition to performing regular IAC activities, Mr. Eger utilized cases of retrofit initiatives implemented by the University of Dayton IAC clients to publish research on extending the International Performance Measurement and Verification Protocol to measurement of industrial energy retrofit savings.

Career Highlights

Mr. Eger is now the Energy Manager for the City of Alexandria (Alexandria, VA). In this role, he is responsible for implementing multiple energy reduction opportunities and awareness programs in City operations and throughout the community. Thus far, Mr. Eger and his team have increased and sustained annual energy reductions in City operations by over 8%. Sustaining these energy savings and helping prepare the community

for potential climatic impacts are important to Mr. Eger. He is currently working toward developing an energy and climate action plan which will provide a roadmap for implementing and achieving the city's sustainability goals in the long term.

Tracking efforts to improve energy efficiency within a community is a difficult but an important undertaking. To this end, Mr. Eger spearheaded numerous efforts including completing a comprehensive energy assessment of City operations to create a community baseline and implementing an energy tracking, analysis, and reporting system for the city, going forward.

Aside from planning and tracking energy reduction actions, Mr. Eger is leveraging the American Recovery and Reinvestment Act's Energy Efficiency and Conservation

Block Grant program to implement energy efficiency and clean energy projects in the city. These projects include renewable energy systems, a vegetative green roof, hybrid vehicle procurement, and a comprehensive community energy-retrofit revolving loan fund program. In addition, he is currently implementing lighting retrofits, HVAC control system retrofits, and an interval metering system for City facilities.



**Bill Eger, University of Dayton IAC
Alumnus**



Community outreach and awareness is another important aspect of Mr. Eger's job as a city energy manager. Mr. Eger has actively instituted community energy education programs such as a green building workshop series, a community energy blog, and a comprehensive City staff training program to promote the value of energy savings.

Previous to accepting the position in Alexandria, Mr. Eger was the Energy Manager for the City of Cleveland. His tenure in Cleveland was highlighted by his team achieving a 3% annual reduction in energy intensity in the city's water treatment and distribution system, the eighth largest operational system in the United States. He also developed a Climate Action Plan for City operations and led teams focused on research, design, and funding of on- and off-shore wind farms.

Mr. Eger acknowledges that the IAC program has had a profound impact on his career development as energy manager. Through the training and knowledge gained in the IAC program, he believes he is better able to grasp the interdependent functioning of the larger energy ecosystem. "My IAC experience," states Eger, "is where I learned to develop solutions for energy consumption reductions while balancing and considering the numerous complexities of industrial, commercial, residential, and community operations."

Mr. Eger credits the IAC for grounding him in developing responsive and achievable energy reduction solutions where multifaceted technical, economic, and social dynamics were present. He also believes his effective communication skills are an outcome of working at the University of Dayton IAC where he was required to articulate and convey complex topics to a range of audiences from technical and trade staff to senior management at companies. He states that the IAC "provided a training platform for recognizing the broader, bigger picture in technical, economic, and social issues related to energy usage, sustainability, and climate change – from an organizational, community, national, and global perspective."

*"My IAC experience is where I learned to develop solutions for... industrial, commercial, residential, and community operations."
– Bill Eger*



management and remains dedicated to achieving improvements in energy efficiency and sustainability – a career that was launched from Mr. Eger's IAC experiences as a student.

Focus on the Future

Mr. Eger plans to keep making strides in energy efficiency by strengthening his ability to identify and institute solutions for reduced energy consumption in city and community operations across the industrial, commercial, and residential arenas. He continues to peruse the changing technical, social, economic, and policy aspects of energy

A Strong Energy Portfolio for a Strong America

Energy efficiency and clean, renewable energy will mean a stronger economy, a cleaner environment, and greater energy independence for America. Working with a wide array of state, community, industry, and university partners, the U.S. Department of Energy's Office of Energy Efficiency and Renewable Energy invests in a diverse portfolio of energy technologies.

ABOUT ITP:

The Industrial Technologies Program (ITP) is part of DOE's Office of Energy Efficiency and Renewable Energy. A program area of ITP, the Industrial Assessment Centers provide eligible small- and medium-sized manufacturers with no-cost energy assessments. Additionally, the IACs serve as a training ground for the next generation of energy-savvy engineers.

ADDITIONAL INFORMATION:

EERE website:
www.eere.energy.gov

ITP website:
www.eere.energy.gov/industry/

IAC student forum website:
www.iacforum.org

EERE Information Center:
1-877-EERE-INFO
(1-877-337-3463)

June 2011

