

Speaker Bios

Energy Savings Opportunities for Indiana WWTFs: Energy Efficiency and CHP

Monday, May 19th, 2008
Indianapolis, Indiana

Wednesday, May 21st, 2008
Elkhart, Indiana

Stewart Bayer

Transmission Policy Engineer
Northern Indiana Public Service Company (NIPSCO)
(219) 853-5462
ssbayer@nisource.com

Stewart has been with NIPSCO for over 30 years. His career has included field engineering, generation plant operations, generation planning, transmission planning, operations planning and is currently an engineer in electric transmission policy.

He has a BSEE from Rose Hulman Institute of Technology and a MBA from Purdue University. He is a registered Professional Engineer in the State of Indiana and a NERC certified electric system operator.

He has represented NIPSCO on various regional and national reliability committees and is currently NIPSCO's representative on a number of Midwest ISO committees and working groups that address a wide range of transmission issues such as tariff revisions, business practices, transmission planning, regional cost sharing, and generation interconnections.

Paul Cummings

Program Manager
Indiana Office of Energy & Defense Development
101 West Ohio Street Room Suite 1250
Indianapolis, IN 46204
(317) 232-7578
PCummings@oed.IN.gov

Paul graduated in 2002 from DePauw University. He then graduated in 2005 from Indiana University's School of Public and Environmental Affairs with a Master of Science in Environmental Science. Paul is the Biomass Project Coordinator for the Indiana State Department of Agriculture where he works to assist people interested in biomass to energy projects.

John J. Cuttica

Coordinator, Energy and Environmental Programs
University of Illinois at Chicago, Energy Resources Center
1309 S. Halsted Street (MC 156)
Chicago, Illinois 60607
(312) 996-4282
cuttica@uic.edu

Mr. Cuttica has over twenty-five years of experience in the energy field. As a former Vice President and General Manager at the Gas Research Institute for 18 years, he directed advanced technology programs that resulted in over 40 new products reaching commercial reality. These technologies and products are presently being utilized in such market sectors as Commercial Heating & Cooling, Alternative Fueled Vehicles, Distributed Power Generation, and various Industrial Processes. Prior to his work at the Gas Research Institute, Mr. Cuttica was responsible for the Consumers Product R&D Program at the US

Department of Energy. He was responsible for the original Appliance Efficiency Labeling Program, and the early R&D work in energy efficient lighting, day lighting, appliances, and thermally activated heat pumps.

In June of 2000, Mr. Cuttica joined the University of Illinois at Chicago Energy Resources Center where he serves as the Coordinator of Energy and Environmental Programs. During his employment at the Center, Mr. Cuttica has been responsible for expanding the Center's strategic direction to include Distributed Generation. As part of this initiative, the University was designated (in March 2001) by DOE, as the first Regional CHP Application Center, set up to provide technical assistance and education in the area of Combined Heat and Power (CHP) to targeted audiences in the eight state Midwest region. The CHP Application Center is serving as the model for five additional regional centers recently established by DOE. Mr. Cuttica serves as the Director of the Midwest CHP Application Center.

Cris Dorman

Coordinator of Public Outreach and Education
Indiana Office of Energy & Defense Development
101 W. Ohio St. Ste 1250
Indianapolis, IN 46204
(317) 690-7243
cdorman@oed.IN.gov

Cris Dorman provides public outreach and educations for the Indiana Office of Energy and Defense Development (OED). OED administers Indiana's strategic energy plan, Hoosier Homegrown Energy, that details the energy related vision and goals of Indiana. These goals include working closely with groups and individuals dedicated to energy efficiency, conservation and reducing our dependence on foreign energy sources. Dorman has been a part of Indiana Lt. Governor Becky Skillman's family of business since May of 2006. Academically, he has a Bachelors of Science in public relations from Ball State University.

D. Adam Downey

Operations Specialist
West Lafayette Office
M.D. Wessler & Associates, Inc.
144 Sagamore Parkway West
West Lafayette, IN 47906
(765) 463-2400
adamdowney@mdwessler.com

Mr. Downey is the Operations Specialist for M.D. Wessler & Associates. He is a graduate from Purdue University in Natural Resources and Environmental Science, holds Class IV and Class D Wastewater Operator Licenses in Indiana, and is currently a graduate student at Purdue University in Environmental Engineering. Mr. Downey has over 11 years of experience in the wastewater and environmental services profession.

Michael Dvorak

Director, Marketing and Strategic Accounts
Indianapolis Power & Light
(317) 261-8289
michael.dvorak@AES.com

Mike Dvorak Mike is a Director at Indianapolis Power and Light the supplier of electric for the Indianapolis metro area and has responsibility for Marketing and Strategic Customer Relations. Mike has over 25 years in the electric utility business and started his career as a meter reader for Commonwealth Edison

(ComEd) in Chicago. Mike has a BA in Electrical Engineering from the Illinois Institute of Technology and Masters in Business Administration from Northwestern's Kellogg School of Business.

Craig Griffin

District Manager – Ohio
Energy Systems Group
7099 Old Prose Court
Dublin, OH 43017
(614) 578-3642
cgriffin@energysystemsgroup.com

Craig is the District Manager – Ohio for Energy Systems Group. He is responsible for the day-to-day engineering and project management for the Energy Systems Group team in Ohio. Under Craig's leadership, the Energy Systems Group team has developed over \$25 million in projects and has served numerous customers with innovative performance contracting and technology applications. Craig has extensive experience developing creative solutions to energy issues in the education and government market sectors. He brings over 24 years of leadership serving customers with energy and financial solutions in the Midwest states.

Craig's role developing the Energy Systems Group business through the Indianapolis office has significantly increased the energy efficiency and technology applications available to customers in government and education markets and establishes Energy Systems Group as the premier choice in energy solutions and performance contracting.

Certifications include: Certified Energy Manager (CEM), Certified Lighting Efficiency Professional (CLEP), Business Energy Professional (BEP), Certified Lighting Management Professional (CLMP), Accredited Ground Source Heat Pump Installer

Leadership & Professional Affiliations: American Society of Heating, Refrigeration and Air-Conditioning Engineers (ASHRAE), Association of Energy Engineers (AEE)

Clifford P. Haefke

Research Engineer
Midwest CHP Application Center
University of Illinois at Chicago, Energy Resources Center
1309 S. Halsted Street (MC 156)
Chicago, Illinois 60607
(312) 355-3476
chaefk1@uic.edu

Mr. Haefke has over seven years of experience in the energy field. He joined the Energy Resources Center (ERC) of the University of Illinois at Chicago (UIC) in December 1999 working as a Research Engineer in the Energy Technologies Group evaluating newly developed natural gas technologies using engineering, economic and market analysis techniques. He conducted cost-benefit analyses to identify the impact of R&D programs on consumers, manufacturers, and the gas industry. In 2001, he assisted the California Energy Commission in developing the Advanced Reciprocating Internal Combustion Engines (ARICE) Collaborative evaluating existing and future technologies of reciprocating engines, identifying strategic participants, and facilitating various R&D efforts.

Mr. Haefke's current research is focused on distributed generation (DG) and combined heat and power (CHP) technologies and concepts for the regional Midwest CHP Application Center (MAC). The MAC was established for the U.S. Department of Energy (DOE) in 2001 with the mission to provide application assistance, technology information, and educational support relating to Integrated Systems of CHP for industrial, commercial and institutional facilities located in the Midwest. His main responsibilities within the MAC include technical and economic evaluations of potential CHP sites, developing regional

marketing material and information, supporting the Midwest state energy offices, and managing daily operations of the MAC and its overall project management with the U.S. DOE.

Mr. Heafke has a bachelor's degree in Mechanical Engineering from the University of Illinois at Chicago and a Masters of Business Administration degree from the Liautaud Graduate School of Business.

Paul Hanson

Integrated Technology Engineering, Inc.
3245 19th Street N.W. Suite #1
Rochester, MN. 55901
Phone 507-282-5736
Cell 507-251-2351
Fax 507-282-8533
phanson@intechen.com

Paul Hanson of Integrated Technology Engineering is an Industrial Chemist with over twenty years of experience in project management with construction projects and industrial chemical processes. Paul was the Engineering Project Manager for the Rochester Minnesota, Waste Reclamation Plant Biogas/CHP generator project.

Dean E. Karafa, P.E.

Middough, Inc
700 Commerce Drive
Oak Brook, IL 60523
630-756-7055
Karafade@Middough.com

Dean Karafa has been working in the power and energy field for over 30 years. Through the years Dean has been involved with the engineering and design of power and steam generation projects using natural gas, landfill gas, coal, oil, and municipal solid waste as the fuel source. His experience includes prime movers of all types including reciprocating engines, gas turbines and steam turbines.

Dean is a graduate of St. Louis University and a registered professional engineer. For the past 10 years Dean has served on the Board of Directors for the Midwest Cogeneration Association.

Dean is employed by Middough Inc., a professional engineering and construction firm headquartered in Cleveland. Dean operates in the Chicago office.

David L. Kline

Customer Services Engineer
Elkhart Service Center
Indiana Michigan Power
(574) 296-5065
Fax: (574) 296-5011
dlkline@aep.com

David Kline graduated from Purdue University in 1975 with a BS in Electrical Engineering. His major course of study was power systems and motors. Following graduation he worked as a project engineer at Durakool Corporation in Elkhart, designing mercury relays and switches from concept through production. In 1978 he worked as a controls engineer at Wheelabrator Frye in Mishawaka. Wheelabrator Frye was a Fortune 500 company that produced foundry blast machines and metal finishing machines. Responsibilities included estimating the electrical cost for the new machines, designing the electrical, pneumatic and hydraulic controls for the machines as well as the material handlers. In 1984 he became a field service engineer. This position required machine startup of new machines, upgrading existing

machines with new options and safety standards and trouble shooting new and older machines. After 8 years he went to work for Alectrico Corp., an electrical contractor. He was Vice President in charge of the motors, generators and controls division which included sales and service jobs of roughly 30 salaried and union employees. He then went to work for Indiana Michigan Power in the Customer Services section of the company. The position requires company to customer interface involving all aspects of their electrical requirements, including billing, service and reliability. As an Engineer, he is assigned large customers with demands of more than 750 kW, in and around Elkhart. Dave has held this position for 20 years.

Todd K. Parker

Associate
Delta Institute
600 W. Saint Joseph Ste 1-G
Lansing, MI 48933
517.482.8810
tparker@delta-institute.org

Todd Parker is an Associate for the Delta Institute, a 501(c)(3) non-profit organization whose missions is to implement projects that integrate environmental quality and community economic development. Todd coordinates the Delta Institute's Michigan carbon programs, including the Michigan Conservation and Climate Initiative and the Managed Forest Carbon Offset and Trading Program. Todd sits on the Cross-Cutting Issues Technical Work Group for Michigan's Climate Action Council and the Chicago Climate Exchange Forestry Offset Committee. Todd also works on pollution prevention, energy efficiency, and sustainable development projects in Michigan. He holds a Master of Studies degree in Environmental Law from the Vermont Law School and a Bachelors degree in Forestry from Michigan State University.

Don Robin, P.E.

Section Chief
Title V Air Quality Permitting
Indiana Department of Environmental Management
317.234.5285 (Direct)
DROBIN@idem.IN.gov

Don Robin, P.E. is a Section Chief for the Indiana Department of Environmental Management's (IDEM) Office of Air Quality. He manages ten environmental managers and environmental engineers engaged in writing permits for Title V sources of air pollutants. He has been working in the environmental field for thirteen years directing projects in wastewater collection and treatment, air quality and odor control, drinking water distribution, landfill closure design, environmental impact statements, abandoned mine land reclamation, and permitting each media as both a consultant and a regulator.

Mr. Robin has received two Bachelor's degrees in environmental management (1994) and in environmental engineering (1998) from Louisiana State University and is completing his Master's in Business Administration from the Indiana University Kelley School of Business in August 2008. He is a licensed professional engineer in environmental engineering in Indiana.

Bob Scott

Lead Performance Assurance Engineer
Johnson Controls
614-775-9050
Robert.D.Scott@jci.com

Bob Scott is a Lead Performance Assurance Specialist with Johnson Controls and President of Scott Energy Technologies, a company specializing in energy consulting. Bob has over twenty years in the end use energy and process chemical businesses. He has extensive technical expertise in utility and industrial power generation, steam generation, distributed power generation, gas quality and gas cleaning

applications, standby electrical and gas systems and power quality solutions. Previously, Bob worked at Columbia Gas and NiSource in various sales and sales management positions for 17 years. Prior to joining Columbia, Bob worked for Diamond Shamrock in Houston TX. as a process engineer.

Bob graduated from Ohio University with a degree in Chemical Engineering and has an MBA from the University of Houston. Bob is a Certified Energy Manager (CEM), a Chartered Industrial Gas Consultant and a member of the American Gas Association Industrial/Commercial Hall of Flame.

Jan M. Scott

Unison Solutions, Inc.
5451 Chavenelle Road
Dubuque Iowa 52002 USA
(563) 585-0967
jan.scott@unisonsolutions.com

As the president of Unison Solutions, Inc., his responsibilities focus on sales, marketing and business development. Unison is an energy services company located in Dubuque, IA that designs and builds turnkey waste to energy systems primarily for utilities, municipalities, and engineering firms. Unison also manufactures and markets gas treatment and compression systems plus a line of biogas conditioning system components.

Prior to co-founding Unison in 1999, Scott was the Director of Sales for a Midwest utility. Mr. Scott received his Bachelor of Science Degree in mechanical engineering from the University of Wisconsin-Madison.

Dennis E. Totzke, P.E.

Applied Technologies, Inc.
16815 West Wisconsin Avenue
Brookfield, WI 53005
(262) 784-7690
detotzke@ati-ae.com

Mr. Totzke received B.S.E.E. and M.S.C.E. degrees from Marquette University. Following ten years with CH2M Hill's industrial wastewater department, he founded Applied Technologies in 1986. He specializes in the evaluation and design of industrial processes and environmental management systems. Throughout his 30-year career, he has worked with various industries including food and beverage, pulp and paper, meat and poultry, dairy, and more. This experience has included the development of numerous waste-to-biogas and waste-to-energy projects in the industrial and agricultural marketplace. Mr. Totzke was instrumental in the organization of Marquette University's anaerobic treatment course, slated for its 21st installment in September 2008.

Chet Welle

Assistant Plant Manager
Rochester Water Reclamation District
301 NW 37 Street
Rochester MN 55901
507-281-6191 ext 3003
cwelle@rochestermn.gov

Chet Welle is the Assistant Plant Manager for the 25 MGD Water Reclamation Plant in Rochester Minnesota which serves the City of Rochester's residential and industrial wastewater. Chet is responsible for the day to day operations of the plant and the energy management programs. Chet graduated from Southwest State University in Minnesota with a Bachelors of Engineering Technology degree in Electronics.

Greg Wishart

Account Executive – Indianapolis
Energy Systems Group
3905 Vincennes Road, Suite 505
Indianapolis, IN 46268
(317) 502-4663
gwishart@energysystemsgroup.com

Greg is an account executive with Energy Systems Group's Indianapolis branch and pursues the day-to-day sales, customer relationship, and business development activities for the Central and Northern Indiana regions. Greg joined Energy Systems Group in 2007. He brings over 20-years of sales, project management, and customer service experience.

A key focus for Greg is developing strategies and action plans that allow his customers to optimize the effectiveness of their facilities and budgets while funding improvements through the energy and operation savings. He leverages his experience in business development and financial structures to provide innovative and elegant solutions that enable customers to focus on their primary mission.

Greg is currently engaged in several projects to enhance client partner's facility and finances in Indiana and exemplifies the customer focus and performance orientation that makes Energy Systems Group the premier provider of energy solutions and performance contracting to education, healthcare, commercial, and governmental facility owners.

Education: Lawrenceville Catholic High School – National Honor Society Graduate, University of Pittsburgh – Engineering

Leadership and Professional Organizations: Stanley Works, FFX+ Business Simulation 2004, Sales Development Institute, Professional Sales and Performance Training, Door and Hardware Institute, Architectural Hardware Consultant Certification, IASBO, GICC, IWEA, AIC