

Energy Conference and Exhibition 2010

Hosted by **DTE Energy** and
The Engineering Society of Detroit

SAVE MONEY NOW: STRATEGIES FOR ENERGY EFFICIENCY



May 4, 2010 · Novi, Michigan



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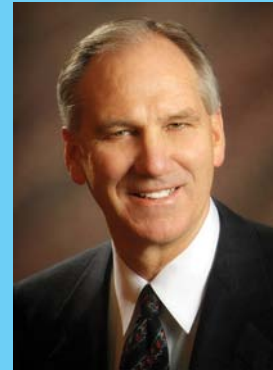
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KEYNOTE: Sustainable Practices Promote Bottom-Line Results

You don't have to break the bank to be energy efficient. Both large and small organizations and new and existing businesses can implement a host of sustainable practices and technologies to optimize energy savings and promote company profitability. Attendees will learn about sustainable options in project delivery and management innovations, as well as gain insight into available and emerging technologies that will make Michigan more competitive in the global marketplace and aid in job creation.

KEYNOTE SPEAKER:



Ben Maibach III
Chairman and CEO
Barton Malow Company

Ben Maibach III, FESD, an ESD member since 1970, is a lifelong Michigan resident and ardent community champion. He earned a degree in civil engineering from Michigan State University and began his employment at Barton Malow in 1964. He now serves as the company Chairman and CEO.

During his tenure, Barton Malow grew from a single Michigan office to a national construction enterprise with 13 offices and specialties in energy, health, education, sports facilities and industrial construction. The company is ranked among the leading contractors in the country and has won awards for excellence and innovation in construction, technology, safety and diversity.

Mr. Maibach has earned accolades for distinguished community service, serving on several boards and devoting significant time per year to charitable, civic, professional and educational activities. He is a Fellow of ESD and the recipient of the ESD Detroit Outstanding Civic Involvement Award; the Good Scout Award from the Boy Scouts of America; the WJR Humanitarian of the Year Award; the Michigan State University Distinguished Alumni Award; and the Distinguished Constructor Award from the Michigan Construction Hall of Fame.

CONFERENCE SCHEDULE

7:30–9:00 a.m.	REGISTRATION / CONTINENTAL BREAKFAST / EXHIBITORS			
9:00–10:10 a.m.	TRACK 1—SAPPHIRE ROOM Energy Efficiency ROB STORK, Myron Zucker, Inc. ■ <i>With approximately 50% of the annual US electrical energy consumption generated from the burning of coal, find out how significant reductions in energy and associated green house gas emissions can be achieved by a small increase in distribution efficiency through the implementation of power factor correction capacitors.</i> Hot Water Temperature Maintenance System MARK HALL, Associate, Tyco Thermal Controls/Raychem ■ <i>Learn how you can save 20,000 to 40,000 gallons of water a year by using heating cables on copper/plastic pipes for Domestic Hot Water Systems to reduce water waste, conserve energy and conserve water. The system provides instant hot water at tap, so no water is wasted waiting for water to get hot from the typical recirculation system.</i> How Leed Existing Buildings: Operations + Maintenance (LEED –EBOM) Improves Energy Efficiency DANIEL H. JACOBS, AIA, LEED AP, Principal, A3C ■ <i>Learn about High Performance Green Buildings (HPGB) and the trends in the green building industry and discuss what makes a building “high performance.” The presentation will focus on how you can save energy in your building and how those energy savings translate into cost benefits.</i>	TRACK 2—GARNET ROOM The DTE Collaboratory Energy Optimization H. DANIEL MUJAHID, President Mujahid & Associates ■ <i>This presentation will outline DTE’s Solutions for Energy Efficiency Logistics (SEEL) LLC, and its success in facilitating a joint venture between an award-winning Michigan-based quasi logistics provider, MCI, and a west coast based energy company, ECOS.</i> Detroit Wayne Joint Building Authority GREGORY R. MCDUFFEE, General Manager, Detroit-Wayne Joint Building Authority ■ <i>Learn how the Detroit-Wayne Joint Building Authority’s new principle of operating in an “environmentally appropriate” manner, helped the Authority reduce its annual operating budget by 43% while reducing its energy costs by 55% or \$1.8 million annually.</i> Alternate-Energy Optimization JEFF SEIPPEL, President, Greenair Environmental ■ <i>Attendees will get a comprehensive overview of the air-handling maintenance problem and an alternative coil cleaning process that is far more effective than traditional methods.</i>	TRACK 3—PEARL ROOM Starve The Beast/Ventilation Systems DAVE MARSH, Process Ventilation Design, Hastings Air Energy Control, Inc. ■ <i>This session will outline how automated energy controls can make the most of Fan Law Economics to deliver demand-based, closed-loop control for vent systems (i.e. dust collectors, mist collectors, exhaust systems, air cleaners, and etc.) to decrease CFM requirements and significantly reduce operating costs.</i> Compressor Replacement For Energy Optimization THOMAS BOOM, GZA Geo Environmental ■ <i>Find out how GZE identified an inefficient supply of compressed air at an industrial site contaminated with petroleum hydrocarbons in soil and groundwater, and implemented steps to optimize energy usage by increasing electrical efficiency.</i> Emerging Technology That Reduces Energy Consumption KEN SMITH, General Manager, Tempeff North America Ltd. ■ <i>Get an overview of Tempeff’s new highly efficient Energy Recovery Ventilator, which is 90% temperature efficient in the winter, 80% temperature efficient in the summer and up to 70% latent efficiency in the winter. More remarkable is that under normal circumstances, the system operates without a defrost cycle that reduces effectiveness.</i>	TRACK 4—EMERALD/AMETHYST ROOM DTE Your Energy Savings THELMA DOBSON, Manager, Commercial and Industrial Program, DTE Energy WILLIAM CLEMENS, Program Manager, Commercial and Industrial Program, DTE Energy ■ <i>This session will provide an overview of the Commercial and Industrial Your Energy Savings program, case studies from 2009, and tips on low or no cost measures you can do to start saving energy and money.</i>
10:10–10:40 a.m.	BREAK / EXHIBITOR DEMONSTRATIONS			
10:40–11:10 a.m.	DTE Smart Currents Programs: Built-In Communications Pathways into the Home SHAUN SUMMERVILLE, DTE Marketing Program Manager ■ <i>DTE Energy’s new SmartCurrents™ program is designed to enable the customer to have choices and tools that empower them to manage their power uses more effectively.</i>	You Cannot Manage What You Cannot Measure JAN HOETZEL, Principal, SIGA Green Technologies ■ <i>Learn about the high costs often associated with compressed air, the importance of collecting system and performance data, the benefits permanent monitoring provides, and more.</i>	Energy Strategy and Sustaining the Savings PARAG CHANDRAKAPURE, Business Development Manager, Schneider Electric DAVE KONYE, Central Area Sales Manager, Schneider Electric ■ <i>Build a long-lasting energy strategy that supports growing performance, while preserving the environment by: improving the intrinsic efficiency of the installation; proactively optimizing the use of the energy; and proactively adjusting to the evolution of the installation.</i>	Intelligent Budgeting via System Analysis DAVID V. TSU, PHD, President, Ming Scientific, LLC ■ <i>Attendees will learn the benefits of evaluating energy reduction efforts in consideration of the system as a whole, rather than individual modifications made separately. Combining results of holistic energy analysis with financial analysis will permit intelligent energy optimization planning for a given budget.</i>
11:10–11:20 a.m.	BREAK			
11:20–11:50 a.m.	Prove The Lighting Savings Before You Start JIM MUIR, President, Energy Optimization, Inc. ■ <i>Many projects are not started or they are substantially delayed because of doubts about promised savings and projected payback periods. Learn how to definitely get the energy and cost savings projected by consultants, suppliers and contractors. A demonstration will prove the lighting savings before the client invests in materials and labor.</i>	MyEnergy Analyzer for Small Business Customers JASON KUPSER, DTE Energy ■ <i>Save energy today by using the MyEnergy Analyzer for small businesses—an online tool that displays billing and payment histories, provides a detailed bill analysis, and is also an energy auditing tool.</i>	Emerging Technology That Reduces Consumption CONNIE LILLEY, Director of Sustainable Products and Initiatives, ECO PR Group, Inc. ■ <i>This session will show how SysTrack® Power Manager (PM), helps to reduce energy usage, and CO₂ emissions for PCs in a unique manner, allowing for unprecedented reduction of energy costs from 25%-65%, and an ROI of usually a couple months.</i>	Sustaining your EMS and HVAC Assets Systems DANIEL E. BIELSKI, PE, Technical Director, V.P. Systems Division The Benham Companies, LLC an SAIC Company ■ <i>Check online at www.esd.org for details.</i>
12:00–1:00 p.m.	LUNCH / KEYNOTE, Ben Maibach III, FESD, Barton Malow — “Sustainable Practices Promote Bottom-Line Results”			
1:00–1:30 p.m.	ESD/DTE Energy Awards			
1:30–2:00 p.m.	DESSERT / EXHIBITOR DEMONSTRATIONS			
2:00–3:00 p.m.	ENERGY CONFERENCE EXECUTIVE STRATEGY SESSION Bill Allemon, CEM, CEA, LEED AP, Manager, Energy Efficiency, Ford Land Margaret E. Greene, LEED AP, Co-Chair, Sustainability and Renewable Energy Practice Group Partner, Honigman Miller Schwartz and Cohn LLP Saulius K. Mikalonis, Senior Attorney, Environmental & Energy Law, Plunkett Cooney James L. Newman, CEM, LEED AP, ASHRAE OPMP, FESD, Owner/Managing Partner, Newman Consulting Group, LLC			

Executive Strategy Session

2:00–3:00 p.m.

Executives will discuss issues surrounding energy laws and regulations, funding and EPACT 2005.



Bill Allemon, CEM, CEA, LEED AP
Manager, Energy Efficiency
Ford Land



Margaret E. Greene, LEED AP
Co-Chair, Sustainability and Renewable
Energy Practice Group Partner
Honigman Miller Schwartz and Cohn LLP



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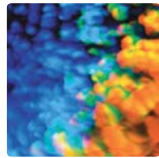
Cost to attend:

\$65 for ESD Members

\$85 for non-members

\$139 to attend the conference
and become a member of ESD—
includes a one-year subscription
to *Crain's Detroit Business*
(A total value of \$253)

To register, visit
www.esd.org or
call **248-353-0735**.



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