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September 2, 2015 10 am to 5 pm

# 2015 Dayton Green EXPO



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Co-Hosted by:



# 2015 Dayton Green EXPO

**10th Annual  
September 2, 2015  
University of Dayton River Campus  
1700 South Patterson Boulevard  
Dayton, Ohio**

## Agenda

10:00 AM	Expo & Networking	
11:45 AM- 1PM	Opening Remarks / Keynote Panel Presentation	Meyer Room
1-2 PM	Expo	Marshall
2-3 PM	Concurrent Sessions	
	A. Energy: Transforming Older Buildings into High-Performance Facilities	Meyer Room
	B. Business: Ethical Practices & Corporate Roles of Sustainability: Managing social responsibility and competitive advantage to propel revenue growth	Cafeteria
	C. Livability: Live, Work, and Play in the Great Miami River Corridor: How we are using the river to strengthen our economy	North Dining Room
3:15 PM	Concurrent Sessions	
	A. Energy - How to Achieve a Greener, Healthier, Less Costly Building - Without Breaking the Bank	Meyer Room
	B. Business: Food For Thought	Cafeteria
	C. Livability: Green Design = Better Communities	North Dining Room
4:15-5 PM	Sponsors Reception	

*Join us for a Sponsors Reception immediately following the 3:15 pm Concurrent Sessions. Cocktails and hors d'oeuvres will be provided.*

<b>Lutron/Riffle &amp; Associates, Inc.</b> <i>Environmental Consulting Services</i>	888-452-9466
<b>Solid Blend Technologies, Inc.</b> <i>Water and energy savings water treatment service program</i>	937-264-8453
<b>GEM Energy</b> <i>Combined Heat and Power Systems using Capstone Turbines</i>	216-446-6052
<b>Tremco Roofing &amp; Building Maintenance</b> <i>Roofing and weatherproofing products, Services &amp; Diagnostics</i>	719-522-2440
<b>Victaulic/Tour &amp; Andersson</b> <i>Grooved piping systems, Tour &amp; Andersson hydronic balancing</i>	937-681-9340
<b>Precision Concrete Cutting (Safe Sidewalks)</b> <i>Sidewalk Trip Hazards Repair Service</i>	513-900-7364
<b>Melink Corp.</b> <i>Test and Balance, Intelli-Hood Demand Control Ventilation, Solar PV</i>	513-965-7300
<b>Heapy Engineering</b> <i>MEP, Commissioning, LEED &amp; Energy, Technology</i>	937-224-0861
<b>Dayton Power &amp; Light</b> <i>Energy Efficiency Rebate programs available for DP&amp;L customers</i>	energyefficiency@dpinc.com
<b>Lathrop Trotter Co.</b> <i>Commercial &amp; Industrial HVAC and Power Plant Equipment</i>	513-731-5000
<b>Garland Company</b> <i>The Garland Company</i>	937-239-4316
<b>Kohler</b> <i>Commercial Faucets and Fixtures</i>	513-250-5428 800-456-4537
<b>Rumpke Waste And Recycling</b> <i>Waste and recycling services</i>	937-461-0004

### Organizations - Meyer Room

<b>American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE)</b>	daytonashrae.org
<b>West Central Ohio Association of Energy Engineers (AEE)</b>	wcoaee.org
<b>Greater Dayton Partners for the Environment</b>	gdpartners.org
<b>USGBC Cincinnati Regional Chapter</b>	usgbc-cincinnati.org

## Exhibitors

<b>Inpro</b> <i>Interior Architectural Products</i>	800-222-5556
<b>Buckeye Power Sales</b> <i>Distributor of Kohler Power Systems for the States of Ohio &amp; Indiana</i>	513-755-2323
<b>Waibel Energy Systems</b> <i>Building and Energy Services</i>	937-264-4343
<b>Interface Carpet Tile</b> <i>We make carpet tile, but we sell sustainable design</i>	513-470-1123
<b>MechoSystems</b> <i>Manual, motorized and automated solar-shading systems</i>	718-729-2020
<b>Aeroseal</b> <i>Aeroseal - Duct Sealing From The Inside</i>	937-428-9300
<b>The Habegger Corporation</b> <i>Carrier Commercial Equipment &amp; Mitsubishi VRF Systems</i>	937-228-7474
<b>Cummins Power Generation</b> <i>Power generation equipment, ATS, Paralleling switchgear</i>	513-956-3058
<b>Stoermer-Anderson, Inc.</b> <i>Innovative HVAC Systems, Services &amp; Solutions</i>	513-527-2300
<b>Vectren Energy Delivery of Ohio</b> <i>Energy Rebates</i>	937-291-7134
<b>EGreen of Dayton, LLC</b> <i>EGreen Fluid Applied Roof Systems</i>	937-865-3000
<b>Belimo Americas</b> <i>Energy Value</i>	800-543-9038
<b>Lighting Concepts and Controls</b> <i>Commercial and Industrial lighting products and controls</i>	937-398-4820
<b>BWA South</b> <i>Plumbing and specialty building products</i>	614-876-2477
<b>ENERVEX</b> <i>Condensing efficiencies for traditional boilers and heaters</i>	513-721-2726
<b>LEDtronics</b> <i>LED Lamp and Fixtures</i>	937-241-6069
<b>Spohn Associates</b> <i>Fixed &amp; Operable Solar Control Systems</i>	937-299-0781

## Co-Hosts



Thank you for attending the 10th Annual Dayton Green Expo. As co-hosts of DGE-2015, we hope what you learn at today's breakout sessions will assist you in integrating sustainable strategies into your everyday approach to the built environment.

—Heapy Engineering, Montgomery County DRG, University of Dayton

### Heapy Engineering

Heapy Engineering, nationally recognized for its leadership in sustainable design, provides MEP Systems Design, Energy, Commissioning, Technology and Planning Services primarily for the Health Care, Higher Education, Government and Cultural markets. The firm is involved in over 300 LEED projects, with more than 50% of certified projects attaining GOLD and PLATINUM certification.

### Montgomery County DRG

Dayton Regional Green is a leadership collaborative committed to enhancing the quality of life and environmental assets of the region by growing our economy, protecting a healthy environment, and promoting social responsibility. The initiative was launched and funded by Montgomery County. The Green Business Certification Program assists businesses and organizations in reducing their energy and resources consumption by providing them with a road map for compliance. Throughout the process recognition of certified businesses and additional benefits are provided by DRG.

### University of Dayton

The University of Dayton is a top-tier, national, Catholic, research institution. Founded in 1850 by the Society of Mary (the Marianists), we focus on educating the whole person, connecting learning with leadership and service.

Through student clubs, campus recreation, education abroad, research, service learning and career preparation, students are encouraged to engage the world, developing a critical mind and compassionate heart.

## Supported Charities

*The Dayton Green Expo will make a donation to our green charities (Ethos and Big Brothers Big Sisters). Additional donations will be accepted at the Registration Table.*

### ETHOS - Engineers in Technical Humanitarian Opportunities of Service-Learning

For more information or to donate to ETHOS, visit [www.udayton.edu/engineering/ethos/](http://www.udayton.edu/engineering/ethos/)



ETHOS seeks to provide experiential learning through service-learning internships, student organization activities, collaborative research and hands-on classroom projects that support the development of appropriate technologies for the developing world, locally and globally. ETHOS maintains as its educational

objective to challenge students to think creatively and independently, to work as a team and communicate effectively, and address issues of appropriate technology, environmental ethics, social responsibility, and cultural sensitivity.

### Big Brothers Big Sisters of the Greater Miami Valley

For more information or to donate to BBBS, visit [www.bbbsgmv.org](http://www.bbbsgmv.org)



The local Big Brothers Big Sisters (BBBS) organization and Heapy Engineering have joined forces to participate in its mentoring effort at Southdale Elementary School, just a block away from our Dayton Headquarters. Heapy Engineering employees are in their 3rd year participating in weekly mentoring sessions with a "Little".

## Presenters

**James Newman, CEM, CSDP, LEED AP BD+C, ASHRAE OPMP & BEAP, Managing Partner, Newman Consulting Group, LLC**

Jim is one of the country's most experienced energy efficiency and green building experts. Known as the "Dean of Green," Jim regularly speaks across the US and internationally about sustainability and green technology.

**Terry Townsend, PE, President, Townsend Engineering**

Terry's mechanical engineering experience has been centered in the applications of thermal science and energy transport phenomena. He is a past president of ASHRAE where his efforts focused on *The ASHRAE Promise: A Sustainable Future*.

**Rich Michal, PE, LEED AP, Executive Director of Facilities, Butler University**

As the Chief Facilities Officer, Rich is responsible for approximately 300 acres of grounds, 2.1 million SF of buildings and a staff of over 100 employees within maintenance services, building services, planning design and construction.

**Kim Collette - Owner, Olive an Urban Dive Restaurant**

Kim is the owner of Olive, a restaurant in Downtown Dayton. Olive works with over 80 local farmers on two sides of the county, just in case one side gets hit by a hail storm. The restaurant is ran without microwaves, electric can openers, or frozen bags of any kind and everything is sliced by hand.

**Dennis Chrisman - Dorothy Lane Market, VP of Human Resources, Produce Director**

Dennis started his career at Dorothy Lane Market at the age of 14. Since 2001 he has been Store Director for the Washington Square Store. He firmly believes that good customer service is the lifeblood of any business. All three of his children have worked at Dorothy Lane Market.

**Brian Raison, Ph.D. - The Ohio State University, Assistant Professor, Community Development**

Brian serves as an assistant professor with Ohio State University in the Department of Extension. His teaching and research focus on organizational development, strategic planning, and community wellness.

**David P. Whittaker, ASLA, LFA, LEED AP, Registered Landscape Architect and Design Manager, Human Nature**

David specializes in the design of parks, open space systems, green infrastructure, sustainable design, and urban design. He is an Adjunct Professor for UC within the Horticulture Department as well as an Ambassador and Facilitator for the Living Building Challenge.

**Sky Schelle, Stormwater Manager, City of Springfield**

Sky helped lead the community through a review of city ordinances and recommendations to green those ordinances. Springfield has now incorporated development-friendly principles into off street parking and stormwater management ordinances, as well as low impact development into a Long Term Control Plan.

**John Norton, Engineer, Norton Engineering**

John has experience with the US Air Force and the Water and Sanitary Engineering Departments in Dayton and Montgomery County. He is a board certified expert member of the American Academy of Environmental Engineers, and has held several offices within ASME. He has traveled extensively as a consultant for various solid waste and energy projects.

## 3:15 pm • Concurrent Sessions

### A. ENERGY: How to Achieve a Greener, Healthier, Less Costly Building - Without Breaking the Bank Presented by: Dayton ASHRAE & WCO Association of Energy Engineers

You've heard a lot of great information, but how do you put it all together and take action? What are the steps to take and who will be on your team? This panel will connect the dots so you can see the big picture.



James Newman



Terry Townsend



Rich Michal

### B. BUSINESS: Food for Thought Presented by: Heapy Engineering

You may have heard the terms "Farm to Fork", "Locavore" and "Food Desert". Our region is starting to take advantage of locally grown produce and meats. By increasing the amount of food produced and consumed locally, we save energy. On average, fruits and vegetables travel from farm to table 1,500 miles. Listen to success stories from regional leaders in the Local Food movement, their challenges and how you can be healthier in your food choices at home and when dining out.



Kim Collette



Dennis Chrisman



Brian Raison

### C. LIVABILITY: Green Design = Better Communities Presented by: Partners for the Environment

Green design impacts more than the just water and energy resources in a community. It has positive impacts on property values, lifecycle costs, and economic development. This panel will explore how using concepts of green design improves the overall quality of life in a community.



David P. Whittaker



Sky Schelle



John Norton

## 12 pm • Keynote Panel Presentation



### Welcoming Remarks

Dr. Paul Benson  
Interim Provost  
University of Dayton

### Introduction of Keynote Speakers

Michael Berning, PE, CEM, LEED AP BD+C  
Senior Principal  
Director of Sustainable Design  
Heapy Engineering

## Regional Sustainability - South West Ohio Perspectives

South West Ohio is growing to be one of the largest Metropolitan Statistical Areas in the United States. This panel of community leaders from the four largest South West Ohio counties will talk about sustainability efforts within their individual counties and will discuss how South West Ohio Counties can collaborate on regional sustainability initiatives that will help spur greater economic growth and improve quality of life throughout the entire region.

### Panelists



#### Commissioner Judy Dodge, Montgomery County

Judy was elected to the Montgomery County Commission in 2006, re-elected in 2008 and 2012. Working to expand food access and security, she established the Montgomery County Food Policy Coalition. Judy also co-developed the Dayton Regional Green Initiative (DRG.org), which is committed to enhancing the quality of life and environmental assets by growing our economy, protecting a healthy environment, and promoting social responsibility.



#### David Fehr, AICP, Butler County, Director of Development

David has been with Butler County since 1995. Mr. Fehr is a certified urban planning professional by the American Institute of Certified Planners (AICP). David's primary duties include serving as department head of the Butler County Department of Development. He oversees the Building and Zoning, Planning and Community Development Divisions, Butler County Port Authority and Butler County Land Bank.



#### Commissioner Todd Portune, Hamilton County

Todd was elected in 2000 and re-elected three times. He currently serves as President of the Ohio, Kentucky, Indiana (OKI) Regional Council of Governments Board of Trustees and is Chair of the Hamilton County Transportation Improvement District. Hamilton County has pursued new environmental initiatives to reduce energy consumption, while increasing business and individual spending power and creating jobs.



#### Commissioner David Young, Warren County

David was elected as County Commissioner in 2004, and was re-elected in 2008. Since taking office, he has consistently voted in support of limited government and fiscal constraint. Mr. Young has been a strong voice for conservative causes. His leadership has been vital in revamping Warren County's Economic Development Department. He serves as a board member on the OKI Regional Council of Government which is responsible for helping to improve the County's infrastructure.

### A. ENERGY: Transforming Older Buildings into High-Performance Facilities

Presented by: Dayton ASHRAE & WCO Association of Energy Engineers

Most buildings, new or old, do not perform anywhere near their most efficient potential. HVAC systems deteriorate with time, beginning from the first day they are put into operation. New design and installation concepts and new codes and standards are continually being introduced - at an ever-increasing pace.



**James Newman**, CEM, CSDP, LEED AP BD+C, ASHRAE OPMP & BEAP  
Managing Partner, Newman Consulting Group LLC

Jim is one of the country's most experienced energy efficiency and green building experts. Known as the "Dean of Green," Jim regularly speaks across the US and internationally to professionals, student groups and the media about sustainability and green technology.

### B. BUSINESS: Ethical Practices & Corporate Roles of Sustainability: Managing social responsibility and competitive advantage to propel revenue growth

Presented by: Dayton Regional Green Initiative

A panel to overview how a corporate sustainability program is more than a policy on greenhouse gas emissions. It is a growth strategy that moves from recognition of consumer sensitivity to business impact where sustainability drives innovation, growth, and competitive advantage.



**D. Evan van Hook**



**Gabe Wing**

### D. Evan van Hook, Corporate Vice President for Health, Safety, Environment, Product Stewardship & Sustainability, Honeywell International

Evan is an Adjunct Professor of International Environmental Law at Columbia Law School, and a former Chair of the Environmental Law Committee of the New York City Bar Association. He is a graduate of the Yale Law School and a former partner in the global law firm of Sidley & Austin. Evan has served as Assistant Commissioner of the New Jersey Department of Environmental Protection, and he has published numerous articles on the topic. He is a 2012 recipient of the Honeywell Senior Leadership Award.

### Gabe Wing, Director of Environmental Health and Safety, Herman Miller

Gabe provides the technical leadership for the Design for the Environment (DfE) team. Since joining Herman Miller in 2001, Gabe has created an environmental materials database that allows Herman Miller's engineers to specify the most eco-effective materials for the new products. A significant portion of his work involves working closely with key industrial partners to optimize current materials and to also identify new, sustainable solutions. In addition, he has led the training sessions that educate designers and engineers on the principles of sustainable product design.

### C. LIVABILITY: Live, Work, and Play in the Great Miami River Corridor: How we are using the river to strengthen our economy

Presented by: Partners for the Environment

A partnership of communities along 99 miles of the Great Miami River is using the river to drive economic development, attract jobs and strengthen the region. This session will highlight river and riverfront recreation and development in Troy, Dayton, and Hamilton in a panel discussion of current and future projects.



**Amy Dingle**



**Stan Kegley**



**Frances Mennone**

### Amy Dingle, Director of Outdoor Recreation, Five Rivers MetroParks

Amy is working to develop strategy as well as plan and implement all public engagement efforts that support the MetroParks mission through environmental education, outdoor recreation, community sustainability and entertainment. She has been working on recreation development initiatives since 2007 and continues to advocate for additional amenities for users to have access and increase vibrancy throughout the community.

### Stan Kegley, Project Manager, City of Troy

Stan is heavily engaged in the City of Troy's riverfront re-development initiative. This initiative is a three-phase plan to improve and expand facilities along the Great Miami River. The three items specifically are: the restoration of Troy's art deco marina, construction of an active riverfront park, and the renovation/expansion of Hobart Arena. The projects showcase Troy's commitment to the river area, as it is redefined into a premier destination.

### Frances Mennone, Project Manager, Champion Sports Complex

A Butler County native, Frances is now serving as the Project Manager for the redevelopment of Champion Paper, a massive adaptive reuse project in Hamilton, OH. An organization builder who helped grow three major sports organizations in the Midwest, the Cincinnati Juniors Rowing Club and the Lincoln Park Juniors (now the Chicago Rowing Foundation) and GMRC/RowAmerica-Hamilton, Frances is familiar with organization building and complex projects.