

AIA LU/HSWs, GBCI CEs and PDHs Available

2019 Dayton
Green
EXPO

In Partnership with the **FOOD EQUITY COALITION**



The Nexus of **RESILIENCY** *and* **CLIMATE CHANGE**



SUSTAINABILITY
& ENERGY
SMART AWARDS

PRESENTED BY:



2019 Dayton Green EXPO

In Partnership with the **FOOD EQUITY COALITION**

AGENDA AT A GLANCE

7:30 AM - EXPO HALL OPENS

8:00 - 9:30 AM **OPENING PLENARY BREAKFAST**
GREAT HALL **Greening the (Grocery) Food Chain – Industry Trends**
Environmental, Social Responsibility and Governance issues
1.5 GBCI LEED Specific (BD+C, O+M) CEs, PDHs

9:45 - 10:45 AM **EDUCATIONAL SESSIONS** (3 Concurrent Sessions)

ROOM 120 **A. A Sustainable Food System**
How Institutionalizing Local Food Supports Local Economy
1 GBCI CE, PDH

ROOM 116 **B. Grid Modernization and Building Resiliency**
Dayton Power & Light's Grid Modernization Plan
How Building Operational Technology Contributes to Building Resiliency
1 AIA LU/HSW, GBCI LEED Specific (BD+C, O+M) CE, PDH

ROOM 131 **C. An Argument for a More Responsible Consumption in a 1.5 C World**
Living Sustainably in a World That Is Running Out of Everything
1 AIA LU/HSW, GBCI LEED Specific (BD+C, O+M) CE, PDH

10:45 - 11:45 AM **EXPO HALL**

11:45 AM - 1:45 PM **SUSTAINABILITY & ENERGY SMART AWARDS /**
KEYNOTE LUNCH PRESENTATION
GREAT HALL **Resiliency in the Corporate Environment**
How Operational Decisions are Being Affected By Climate Change
1.5 AIA LUs, GBCI CEs, PDHs

1:45 - 2:45 PM **EXPO HALL**

2:45 - 3:45 PM **EDUCATIONAL SESSIONS** (2 Concurrent Sessions)

ROOM 131 **A. Is Regenerative Farming the Future of Food?**
The Future of Food in Response of a Hotter, Wetter Climate
1 AIA LU, GBCI CE, PDH

ROOM 116 **B. Resilience in Building Design to Support a Resilient Society**
The Built Environment is Designed & Constructed for Better Resilience
1 AIA LU/HSW, GBCI LEED Specific (BD+C, O+M) CE, PDH

4:00 - 5:00 PM **CLOSING PLENARY / RECEPTION**
GREAT HALL **The Nexus of Resiliency and Climate Change**
Refreshments will be provided.
1 AIA LU/HSW, GBCI LEED Specific (BD+C, O+M) CE, PDH

2019 PARTNERS



HEAPY, a nationally recognized firm known for its Vision to “Build a more resilient and sustainable society”, provides Strategic Planning, MEP and Technology Systems Design, Commissioning, Sustainability and Energy Services for the Healthcare, Higher Education, Corporate and Government markets. HEAPY has 6 offices and over 220 HEAPY colleagues in Indiana, Ohio and North Carolina. HEAPY is recognized as the 35th largest Engineering Firm, a Top 25 Green Design Firm and a Top 15 Commissioning Firm.

Montgomery County, Ohio is a local government agency comprised of 11 elected officials and over 4,000 employees. Elected officials include the Board of County Commissioners, Deborah A. Lieberman, Judy Dodge, and Carolyn Rice, and the County Administrator, Michael B. Colbert. Overall, Montgomery County has 51 internal departments as well as several agencies, including: the ADAMHS (Alcohol, Drug Addiction, Mental Health Services) Board, Agricultural Extension Services, Board of Education, Board of Elections, DDS (Board of Developmental Disabilities Services), Law Library, MonDay Community Correctional Institute, and Public Health.



The Montgomery County Commission launched the Dayton Regional Green (DRG) initiative to identify strategies to reduce greenhouse gas emissions and become the regional resource for environmental sustainability and energy conservation for all market sectors. The DRG initiative is built on the People, Profit, Planet balance.

Through the Hanley Sustainability Institute, the University of Dayton's sustainability efforts are being extended campus-wide and into the community. This distinctive, highly integrated approach prepares students to meet the growing demand for sustainability skills in the workplace. The initial objectives include: developing an interdisciplinary graduate certificate in sustainability, creating an urban agriculture demonstration project in the Dayton community, establishing Hanley Research Fellows and Hanley Scholars-in-Residence for undergraduate, graduate and faculty research and initiating a series of conferences connecting to sustainability education.



To Our Attendees

Thank you for attending the 14th Annual Dayton Green Expo (DGE). As partnering organizations of DGE-2019, 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 and Dayton Green Expo Partner Organizations

7:30 AM - 2:45 PM

EXPO HALL

Aerosal LLC <i>Seals Leaks from Inside the Duct System with a Non-toxic Aerosol Mist.</i>	937-428-9300	LEDtronics, Inc. <i>LEDtronics has been America's Premium Brand LED Company since 1983</i>	800-579-4875
ASHRAE Dayton <i>Advancing the Arts and Sciences of HVAC and related human factors to serve the evolving needs of the public and ASHRAE members.</i>	daytonashrae.org	Melink Corporation <i>Demand Control Kitchen Ventilation System For Commercial Kitchens.</i>	513-965-7038
Belimo Americas <i>The global market leader in the development, production and marketing of actual solutions for controlling heating, ventilation and air conditioning systems.</i>	800-543-9038	Multivista Construction Documentation <i>Multivista Provides Visual Photo and Video Documentation Solutions for Construction Projects of any Size, Across All Verticals.</i>	614-352-0555
BUCKEYE POWER SALES <i>Kohler Power Systems distributor in Ohio and Indiana.</i>	513-755-2323	Plug Smart <i>Energy Projects, Building Automation Security and Access Controls, PACE Financing Services, Commissioning Consulting Services.</i>	800-518-5576
Columbus Temperature Control <i>Columbus Temperature Control is a full-line stocking distributor of HVAC temperature controls.</i>	614-294-6216	Powersmiths International Corp. <i>Powersmiths Reduces Energy Use w/ Optimized Designs.</i>	724-888-6061
CUMMINS POWER GENERATION <i>Manufacturer of Power Generation Systems.</i>	513-340-0951	STEFFENS-SHULTZ, INC. <i>Since 1951- Central Ohio's Leader in HVAC and Commercial Systems.</i>	937-454-4980
DAYTON POWER & LIGHT <i>Energy Efficiency Rebate Programs Available for DP&L Customers.</i>	energyefficiency@dplinc.com	STOERMER-ANDERSON, INC. <i>Innovative HVAC Systems, Services & Solutions.</i>	888-847-2458
Dayton Regional Green <i>The Dayton region to be the most vibrant economy and healthy environment in the Midwest to Live, Work, and Play.</i>	daytonregionalgreen.org	The Garland Company, Inc. <i>Leader of Quality, High-Performance Roofing and Building Maintenance Systems for the Commercial, Industrial and Institution Markets.</i>	216-641-7500
Eaton <i>Eaton is a power management company and global technology leader in electrical systems for power quality, distribution and control.</i>	216-849-6542	The Habegger Corporation <i>Complete HVAC Solutions for Commercial and Residential Applications.</i>	937-681-9340
ELITAIRE / CRITICALAIRE <i>Vital addition to HVAC systems to reduce heating and cooling load of outside air by capturing contaminants from indoor air.</i>	513-739-5151	Trimaco <i>Surfacing Protection.</i>	812-572-8317
HEAPY <i>MEP & Technology Design, Commissioning, Sustainability and Energy.</i>	937-224-0861	US Green Building Council Southwest Ohio Region <i>Transforming Ohio to be More Healthy, Prosperous and Sustainable!</i>	www.usgbc.org/usgbc-ohio
Icon Solar <i>It's simple. Solar saves you money. Right now there is a 30% federal tax credit on your purchase and installation of solar panels.</i>	513-396-7777	Vectren Energy Delivery of Ohio <i>Vectren Offers Rebates for High Efficiency Equipment.</i>	937-291-7134
Indiana Kentucky Ohio Regional Council of Carpenters <i>WE INSTALL DOORS ~ WE INSPECT DOORS ~ NFPA-80</i>	216-375-8950	VECTREN, A CENTERPOINT ENERGY COMPANY <i>Vectren Offers Rebates for High Efficiency Equipment.</i>	937-291-7134
JACKSON CONTROL COMPANY <i>A Total Building Technology Partner Offering Building Automation & Security Needs Such as Products, Design Solutions, Ongoing Support and Technical Training.</i>	513-824-9850	VERTIV/UPTIME SOLUTIONS <i>VertivCo.com for Liebert, Avocent, Geist & Trellis.</i>	937-237-3400
JOHNSON CONTROLS, INC. <i>Johnson Controls is a global diversified technology and multi industrial leader serving a wide range of customers in more than 150 countries.</i>	513-431-1136	Viega <i>Global leader in Press Technology for Piping Systems.</i>	800-976-9819
Kohler Co. <i>Commercial Fixtures and Faucets</i>	513-250-5428	Waibel Energy Systems <i>BDX Translates Data Into Meaningful and Usable Metrics.</i>	937-264-4343

***2019 Dayton Green Expo Green Sponsor**

1.5 GBCI LEED Specific (BD+C, O+M) CEs, PDHs

GREAT HALL

Opening Remarks



COMMISSIONER JUDY DODGE

Montgomery County

Judy was elected to the Montgomery County Commission in 2006, re-elected in 2008, 2012 and 2016. 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.

Presented by Montgomery County Food Equity Coalition

This Plenary Session will outline trends within the Food Industry addressing **Environmental Social Responsibility and Governance** issues. Initiatives discussed will include: **Environmental** impacts such as Building and Systems energy use reduction and transportation efficiency improvements. **Responsible Sourcing** such as how Corporate Partners are focused on Creating Eco-Friendly Supply Chains via reduced packaging and recycling. As well as how Consumer Packaged Goods companies are facing the issue to take steps toward real change vs. just green-washing. **Environmental Stewardship**, using Food-Centric Measurables from *LEED* and the *United Nations Sustainable Development Goals* to provide benchmarks and sustainability goals across the food production and distribution network. And, critical **Corporate Social Responsibility** issues of Health, Food Access and Community Engagement.



ERIN ROLFES

Corporate Affairs Manager, The Kroger Co.

Erin is responsible for driving Kroger's purpose: To Feed the Human Spirit; by engaging with the community and non-profit partners in Cincinnati and Dayton and generating uplift through storytelling and internal communications.

Prior to joining Kroger, Erin has held several key roles in professional communications including television production, agency work at Vehr Communications, and most recently her role as Manager of Public Relations & Communication for REDI Cincinnati. Erin has a long history of volunteerism and community involvement with various organizations, and real passion for the Cincinnati region.

*The Dayton Green Expo will make a donation to the following charities:
Big Brothers Big Sisters and The Foodbank, Inc.*

Big Brothers Big Sisters of the Greater Miami Valley

For more information or to donate, visit www.bbbsgmv.org



The local Big Brothers Big Sisters (BBBS) organization and HEAPY have joined forces to participate in its mentoring effort at Southdale Elementary School, just a block away from our Dayton Headquarters. HEAPY colleagues are in their 7th year participating in weekly mentoring sessions with a "Little".

The Foodbank, Inc.

For more information or to donate, visit www.thefoodbankdayton.org

For over 40 years, The Foodbank has served as the primary source of food for the hunger relief network in the Miami Valley. HEAPY and its colleagues have continuously contributed to The Foodbank, Inc. through generous donations during the holidays and Casual for a Cause Fridays for more than ten years reaching beyond the Miami Valley to Columbus, Cincinnati, Cleveland, Findlay and Indianapolis locations.



9:45 AM - 10:45 AM

A SUSTAINABLE FOOD SYSTEM

1 GBCI CE, PDH

ROOM 120

*Presented by Dayton Regional Green
Panel Moderator: Haley Carretta, Project Manager – Food System, Public Health*

Join our expert panel of speakers to learn how Institutionalizing local food supports local economy and small farmers and provides and promotes a healthier diet.



KRISTIN GANGWER

*Project Development & Communications Manager
Produce Perks Midwest*

Prior to her current role, Kristin served as the Interim Executive Director at Green Umbrella, a regional sustainability alliance, and as Chief Executive Officer at Our Harvest Cooperative, a Cincinnati-based farm and food hub. Kristin is also part of the Greater Cincinnati Regional Food Policy Council's Leadership Team and is the Board Chair for Cultivate! Ohio Valley. She is the author of the 2013 study, "The State of Local Food in Central Ohio River Valley," commissioned by the Green Umbrella Local Food Action Team, as well as a 2018 update to that report. Before moving to Cincinnati, Kristin worked on local food and agriculture issues in New Mexico and Colorado.



MICHAELA OLDFIELD, JD, PHD

Director, Greater Cincinnati Regional Food Policy Council

Michaela coordinates a cross-sector coalition of stakeholders advocating for policies and systems changes to ensure that all residents of the Greater Cincinnati Region have access to food that is healthy, fair, affordable and green. Michaela has a JD from the University of Michigan Law School and a PhD from Michigan State University in Community, Agriculture, Recreation and Resource Studies. Her studies and past work have focused on environmental justice advocacy, the politics of public and private food systems regulation, and understanding how policies shape the healthfulness, economics, and sustainability of food systems.



JESSICA SHELLY, MBA, REHS, SNS

*Director Student Dining Services
Cincinnati Public Schools*

Jessica is responsible for overseeing the service of over 60,000 meals each day at 65 schools. She has been recognized as a trailblazer in area of child nutrition with unique implementation at Cincinnati Public Schools such as salad bars and cultural spice stations in every school, reimbursable meal vending machines, Life Time Foundation's Clean Label Initiative, and the Good Food Purchasing Program.

9:45 AM - 10:45 AM

GRID MODERNIZATION AND BUILDING RESILIENCY

1 AIA LU/HSW, GBCI LEED Specific (BD+C, O+M) CE, PDH

ROOM 116

*Presented by HEAPY
Panel Moderator: Ryan Hoffman, PE, CEM, BEAP, LEED AP BD+C, O+M, HEAPY*

PART A: Dayton Power & Light's Grid Modernization Plan

Today's electric grid in the United States is more than 100 years old and is still considered one of the greatest machines ever invented. However, the grid is still largely using technology developed decades ago. As the forces of man and mother nature continue to challenge the reliability and the advanced use of the grid, utilities must begin planning for the advancement and digitization to the grid of the future. Dayton Power & Light has developed and filed with the Public Utilities Commission of Ohio its grid modernization plan that lays the groundwork for a grid that has a strong foundation, can accommodate distributed energy resources, and layers technology and smart devices to improve reliability and offer customers optionality.

PART B: How Building Operational Technology Contributes to Building Resiliency

Building Operational Technology incorporates the hardware and software that detects or causes changes through direct monitoring and/or control of physical devices. This technology includes Building Automation and Energy Management systems as well as Analytic and Fault Detection Software. This presentation will discuss how Operational Technology contributes to building resiliency, discuss different aspects that owners can focus on with their contractors and IT staff, and talk about examples of the issues that can arise when Operational Technology is not aligned with building resiliency.



KEVIN HALL, PE

*Director of Transmission and Distribution Investments
AES (Dayton Power & Light)*

Kevin has been with AES and its Ohio utility, DP&L, for nearly 28 years and is presently responsible for the development and execution of the long-term transmission and distribution capital investment plans. He has provided leadership and project management for key initiatives over the years including development of DP&L's Distribution Modernization Plan that was filed with the Public Utilities Commission of Ohio in December 2018. He has held positions of increasing responsibility within AES including engineering, operations and construction roles.



NATHAN LAMMERS

Energy Services Leader, Waibel Energy Systems

Over the past 10 years, Nathan has used his background in energy efficiency, building automation and analytic technology to help Waibel clients get the most out of their buildings. In that time, Waibel clients have attained millions of dollars in energy savings and utility rebates while improving the operation of their buildings. Nathan has a real enthusiasm for energy management, and enjoys helping clients with their bottom line through controlling one of their biggest expenses, energy.

9:45 AM - 10:45 AM

AN ARGUMENT FOR A MORE RESPONSIBLE CONSUMPTION IN A 1.5 C WORLD

1 AIA LU/HSW, GBCI LEED Specific (BD+C, O+M) CE, PDH

ROOM 131



Presented by ASHRAE Dayton

Panel Moderator: Michael Senger, PE, LEED AP BD+C, HEAPY

Nearly 20 years ago, Jay Warmke and his wife Annie quit their corporate lifestyles to build a home made of tires in the hills of southeastern Ohio. Since that time, nearly 40,000 people have visited Blue Rock Station, their 40-acre sustainability center, to experience just a bit of what a net-zero lifestyle can be. Join Jay Warmke, award winning speaker and writer in a humorous, enlightening, and – believe it or not – optimistic presentation on living sustainably in a world that is running out of everything.



JAY WARMKE

Co-owner, Blue Rock Station

Jay and Annie host a weekly radio program on sustainability called “When the BioMass Hits the Wind Turbine” which is aired on WOUB (Athens, OH), WGRN (Columbus, OH) and is also syndicated through the Pacifica broadcasting network.

Jay is the author of numerous green technology books and articles, including Green Technology: Principles and Practices (Marcraft), Solar Photovoltaic Installer Certification Guide (Marcraft), Wind Turbine Installer Certification Guide (Marcraft), When the Biomass Hits the Wind Turbine (BRS Media), Understanding Photovoltaics: A Study Guide for Solar Electric Certification Programs (BRS Media), Designing & Installing Solar PV Systems (BRS Media) and many more.

He has served as vice president of the board of directors of Green Energy Ohio and as president of the International Certification and Accreditation Council. He has also served as a committee member on ETA's renewable energy committee since 2010. In 2015 he was elected to ETA's Board of Directors and for the past four years has served as Chair of the Renewable Energy Committee. He is on the advisory council of Ohio State University's renewable energy program, as well as an adviser to Tolles Career & Technical Center renewable energy program. He is an instructor of Renewable Energy at Zane State University, and Jay also served as National Chairman: SkillsUSA Sustainable Solutions Contest (2010-2014).

SUSTAINABILITY & ENERGY SMART AWARDS

PRESENTED BY:



Outstanding Projects, Inspirational Businesses,
and Dedicated Community Members
who LEED the Way to more
Sustainable Smart Communities.

These Awards Recognize and Honor

- Outstanding Projects
- Inspirational Businesses
- Dedicated Community Members
- Volunteers

www.sesawards.com

SES AWARDS LUNCHEON AGENDA

11:45 AM Lunch
12:00 PM Welcoming Remarks



MICHAEL BERNING, PE, CEM, LEED FELLOW
Sustainability Director, HEAPY

Awards



CHRISTEN LUBBERS
Executive Director
Architectural Foundation of Cincinnati
President USGBC Ohio Southwest Region



COMMISSIONER DEBBIE LIEBERMAN
Montgomery County



COMMISSIONER JUDY DODGE
Montgomery County

12:30 PM Keynote Presentation

AWARD NOMINEES

218 Orchard Residence

HEAPY

4443 Brazee Residence

Joe Stewart Builders

Allen Frey Builders and Remodelers

JPS Consulting Engineers

Bayer Becker

LWC

Christen Lubbers

Mount Carmel Grove City

Cope Environmental Center

Paul Yankie

COOR Consulting

Perkins + Will

Dayton International Airport

Shell + Meyer

Dayton Metro Library

University of Dayton

Green Building Consulting

Wright State University

Gresham Smith

2019 CATEGORIES



SUSTAINABLE PROJECT OWNER

This award honors the **OWNER** of a sustainably built work, addressing the overall sustainability of the building (new, addition or retrofit), interior fit out, landscape, and building systems (including mechanical, renewable energy upgrades, electrical, plumbing, etc.). Please note projects need to be complete and built by the time of submission. Designs are judged on the built work's unique environmental, social and economic successes, and its significant measurable sustainable attributes. Projects do not need to be LEED / WELL / SITES certified. If certified, please include the final checklist.



SUSTAINABLE DESIGN TEAM

This award honors the **DESIGN TEAM** of a sustainably built work, addressing the overall sustainability of the building (new, addition or retrofit), interior fit out, landscape, and building systems (including mechanical, renewable energy upgrades, electrical, plumbing, etc.). Please note projects need to be complete and built by the time of submission. Designs will be judged on the built work's unique environmental, social and economic successes, and its significant measurable sustainable attributes. Projects do not need to be LEED / WELL / SITES certified. If certified, please include the final checklist.



SUSTAINABILITY & ENERGY PROJECT

This award honors the **DESIGN TEAM and OWNER** of a sustainably built project having demonstrated outstanding leadership in energy efficiency. Applicants must submit at least 12 months of energy consumption for the facility to prove the energy reduction impact. Emphasis on unique approaches to energy conservation measures, including material and non-material (programming, educational campaigns, etc.) will be evaluated. (These awards are encouraged to submit for the annual national ASHRAE, AEE and ASHE Energy and Technology Award programs).



COMMUNITY SUSTAINABILITY ADVOCATE

This award honors an **INDIVIDUAL** who has served as an advocate for advancing Sustainability initiatives in the Community. This award recognizes an innovative leader in the green building movement that demonstrates exemplary commitment and achievements in creating a more sustainable future.



COMMUNITY VOLUNTEER

This award honors an **INDIVIDUAL** who has strengthened our community through their volunteering efforts on Sustainability, Environmental and/or Energy Advocacy. Preference will be placed on individuals and their leadership within the contribution to Sustainability organizations such as USGBC, ASHRAE, Dayton Regional Green, etc.

SES AWARDS JURY

Thank You to the Following Representatives from Our Award Jury Organizations:



1.5 AIA LUs, GBCI CEs, PDHs

GREAT HALL

RESILIENCY IN THE CORPORATE ENVIRONMENT

Climate Change is becoming front and center for all, especially considering the recent weather disaster affecting Dayton and the surrounding region where 21 Tornadoes touched down on Memorial Day. Resiliency is about how a community can quickly and thoroughly respond to and recover from Climate Change related issues, man-made disasters and systems failures. We have assembled a Panel of Industry Experts who will provide three different perspectives as to how decisions in their sphere of operations and influence are being affected by climate change and what they are planning to be more Resilient.

Introductions:

MICHAEL BERNING, PE, CEM, LEED FELLOW

Sustainability Director, HEAPY



BOB GAVIN, CPCU, AIC, ARM

Risk Manager, Oswald Companies

Bob began his career as a litigation attorney with a plaintiff's law firm in Chicago. He then began his insurance career handling a wide variety of claims. He was General Counsel for six years at one of the largest architectural firms in the United States. For the past 15 years he has been providing risk management and insurance related advice to architectural and engineering clients

SCOTT HASSELL

Director of Environmental Sustainability, Fifth Third Bank

Scott leads efforts to integrate environmental sustainability into the company's culture, strategy, risk management, and beyond. He also led the Bank's effort to purchase 100% solar power using a virtual power purchase agreement. The resulting solar project is currently under construction and expected to come on-line shortly.

FRED YODER

Chair, North American Climate Smart Agriculture Alliance

Fred is a fourth-generation farmer who has lived and farmed near Plain City, Ohio, for more than 40 years. He is now spending a great deal of time these days addressing the issues of pending climate policy, conservation, and sustainability concerns. He is also active in working with the UN Climate initiative showcasing how agriculture can adapt to changing weather patterns and reducing our carbon footprint.

Moderator:

McCALL VRYDAGHS

WHIO-TV 7, Storm Center 7 Meteorologist

McCall has been a part of the Storm Center 7 team at WHIO-TV in Dayton, Ohio since September 2012. As an Emmy Winning and AMS Certified Broadcast Meteorologist, McCall has an up front seat when it comes to the environment. For the Dayton Community, she provides trustworthy, and objective up-to-date weather forecasts that impact life and property throughout the region.



1 AIA LU, GBCI CE, PDH

ROOM 131



Presented by Dayton Regional Green

Panel Moderator: Haley Carretta, Project Manager – Food System, Public Health

Soil with high carbon content requires less fertilizer, produces healthier food and helps farms be more resilient to floods and droughts. Join our panel of speakers as they discuss the future of food in response of a hotter, wetter climate.



CHAD BITLER

Research Director, Greenacres Foundation

Chad's passion for his work stems from an interest in healthy eating, concern for the environment, and his love of gardening, and cooking nutrient-dense meals for his family. Chad's role at Greenacres allows him to study food production in its entirety – from its impacts on soil, animal, and human health, to its effects on our environment. Prior to coming to Greenacres, Chad worked in nutrition research at University of Cincinnati's College of Allied Health and Sciences.



SUSAN JENNINGS

Executive Director, The Arthur Morgan Institute for Community Solutions (AMICS)

Susan became Executive Director of The Arthur Morgan Institute for Community Solutions (AMICS) in 2014. Since that time, she has partnered with the AMICS board to implement a new strategic plan oriented toward the support of resilient communities. She also led AMICS in the 2017 purchase of Agraria, a 128-acre farm on the outskirts of Yellow Springs which is being developed into a Center for Regenerative Practice. Susan serves on The Village of Yellow Springs' Economic Sustainability Commission, the Board of the Greater Dayton Conservation Fund, and on the national Council for Agricultural Research, Extension, and Teaching on behalf of Central State University. She also facilitates a Community Climate Resilience class for the University of Dayton's lifelong learning institute.

MY PROGRAM INSIGHTS

2:45 PM - 3:45 PM RESILIENCE IN BUILDING DESIGN TO SUPPORT A RESILIENT SOCIETY

4:00 PM - 5:00 PM THE NEXUS OF RESILIENCY AND CLIMATE CHANGE

1 AIA LU/HSW, GBCI LEED Specific (BD+C, O+M) CE, PDH

ROOM 116 

*Presented by ASHRAE Dayton
Panel Moderator: Evan Nutt, Trane*

Major recent events (natural and human caused) have increased awareness of the need for our built environment to be designed and constructed for better resilience. For example the hurricane induced shutdown of the electrical grid in Puerto Rico in 2017 or the devastating impact of Hurricane Sandy in the northeastern U.S in 2012. Buildings must also be able to adapt to human-caused issues such as terrorist attacks, etc. These events point out the vulnerability of buildings and the built environment. This talk will cover the potential areas for focus in upgrading our systems for resilience (both passive and active systems) as well as some of the recent trends and technology changes needed for increasing our ability to maintain resilience in the built environment. This topic also discusses the interrelationship between resiliency, sustainability, efficiency and “smart” aspects of the built environment.



THOMAS LAWRENCE, PHD, PE
Professor, University of Georgia

Dr. Lawrence has over 35 years of professional engineering experience. Before going back for his doctorate in mechanical engineering, he spent approximately 20 of those years in the industry and consulting. Among his many roles of service to ASHRAE, Dr. Lawrence is a Director-at-Large on the ASHRAE Board of Directors; past chair of ASHRAE Technical Committee 2.8, Building Environmental Impact and Sustainability; and a member of the committee that wrote ASHRAE Standard 189.1 on high-performance green buildings.

As an ASHRAE Distinguished Lecturer, he gives presentations and workshops on high-performance and smart buildings around the world. Dr. Lawrence is also the chair of the editorial committee that produced the fifth edition of the ASHRAE GreenGuide.

MY PROGRAM INSIGHTS

1 AIA LU/HSW, GBCI LEED Specific (BD+C, O+M) CE, PDH

GREAT HALL

*Presented by HEAPY
Panel Moderator: Michael Berning, Sustainability Director, HEAPY*

Communities need to plan for disaster recovery. Communities also need to write a Climate Action Plan to address how to relieve the stress we placed on our environment as well as to prepare for future climate evolution. This Closing Plenary Session will be the start of the Community conversation and planning for Climate Action and Resiliency. Learn more about planning efforts involved to enhance our climate resilience as well as discover the delineation between Resiliency, Mitigation, and Climate Action.



FELIX FERNANDO

Lecturer and Community Coordinator
Hanley Sustainability Institute, University of Dayton

Dr. Fernando teaches undergraduate and graduate courses in the Sustainability Studies Program and also works with community partners to nurture and enhance sustainability initiatives in the greater Dayton area. Felix will focus on the intersection of resilience and sustainability and implications for policies.



JEFF JORDAN

Director, Montgomery Co. Office of Emergency Management

Jeff has been the Director of the Montgomery County Office of Emergency Management since August of 2005. Prior to accepting this position, Jeff served as an Emergency Management Volunteer Coordinator, Homeland Security Planner, and Emergency Management Assistant Director.



STACY SCHWEIKHART

Director of Strategy and Engagement, MVRPC

The Miami Valley Regional Planning Commission (MVRPC) will serve as the designated leader of the Long-Term Community Disaster Recovery Network, helping the counties, cities, townships and villages impacted by the devastating Memorial Day tornadoes create a plan for recovery. Stacy leads the agencies efforts in the areas of stakeholder relations; regional projects & policy; reputation management; and public outreach and engagement.



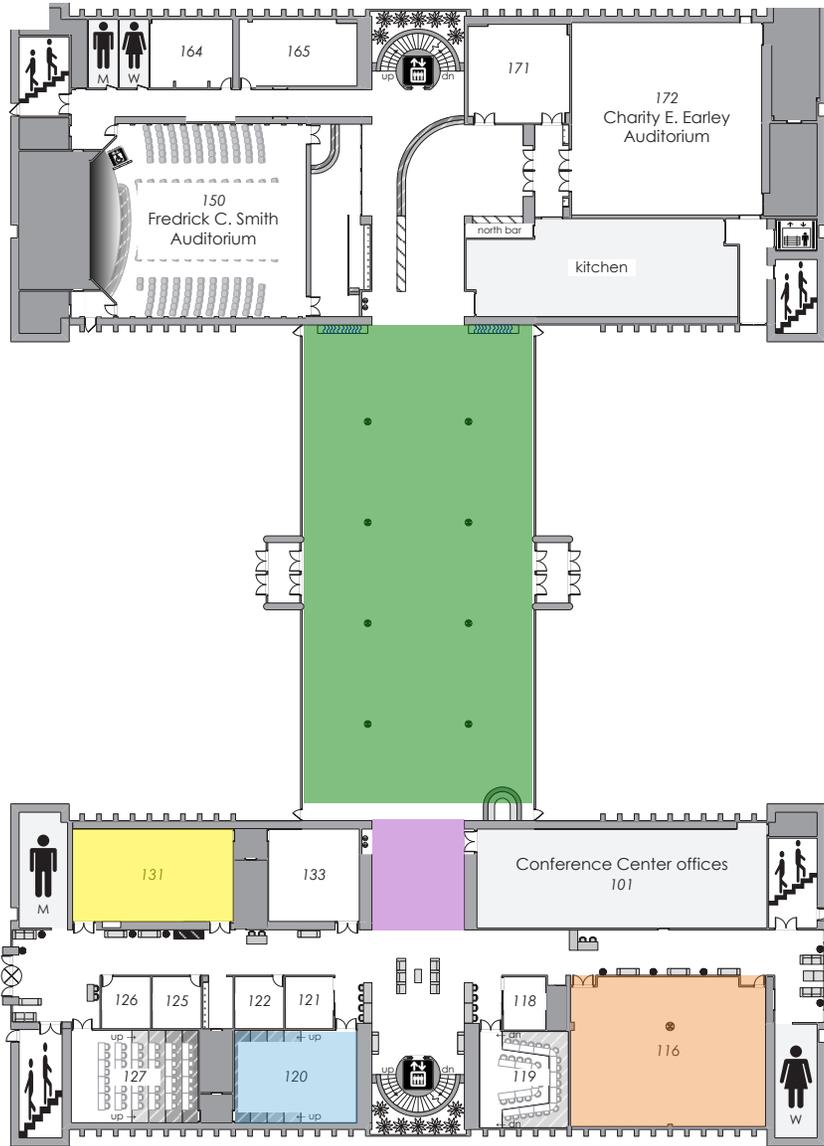
JULIE SULLIVAN

Executive Vice President of Regional Development
Dayton Development Coalition

Julie brings more than a decade of economic development work and a life-long passion for the Dayton region to her work at the Dayton Development Coalition. She is responsible for development of regional priorities and execution of strategies to support those priorities in collaboration with public, private and non-profit partners in order to grow the region’s economic base.

AT A GLANCE CONFERENCE MAP

EDUCATION SESSION ROOM GUIDE



7:30 AM REGISTRATION / TRADE SHOW

8:00 AM - 9:30 AM OPENING PLENARY BREAKFAST



GREAT HALL Greening the (Grocery) Food Chain - Industry Trends
1.5 GBCI LEED Specific (BD+C, O+M) CEs, PDHs

9:45 AM - 10:45 AM EDUCATIONAL SESSIONS



ROOM 120 **A.** A Sustainable Food System
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ROOM 116 **B.** Grid Modernization and Building Resiliency
1 AIA LU/HSW,
GBCI LEED Specific (BD+C, O+M) CE, PDH



ROOM 131 **C.** An Argument for a More Responsible
Consumption in a 1.5 C World
1 AIA LU/HSW,
GBCI LEED Specific (BD+C, O+M) CE, PDH



10:45 AM - 11:45 AM - TRADE SHOW / NETWORKING

**11:45 AM - 1:45 PM - KEYNOTE LUNCH PRESENTATION /
SUSTAINABILITY & ENERGY SMART AWARDS**



GREAT HALL Resiliency in the Corporate Environment
1.5 AIA LUs, GBCI CEs, PDHs



1:45 PM - 2:45 PM - TRADE SHOW / NETWORKING

2:45 PM - 3:45 PM EDUCATIONAL SESSIONS



ROOM 131 **A.** Is Regenerative Farming the Future of Food?
1 AIA LU, GBCI CE, PDH



ROOM 116 **B.** Resilience in Building Design
to Support a Resilient Society
1 AIA LU/HSW,
GBCI LEED Specific (BD+C, O+M) CE, PDH

4:00 PM - 5:00 PM CLOSING PLENARY



GREAT HALL The Nexus of Resiliency and Climate Change
Refreshments will be provided.
1 AIA LU/HSW,
GBCI LEED Specific (BD+C, O+M) CE, PDH

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