

THRIVE



Sustainable Energy, Jobs & Economic Development

May 19, 2016 Penn State Center Pittsburgh at the Energy Innovation Center



A presentation of the League of Women Voters of Pennsylvania

With funding from the
Colcom Foundation

to LWVPA Citizen Education Fund

THRIVE: Sustainable Energy, Jobs & Economic Development

Penn State Center at the Energy Innovation Center • May 19, 2016 • 8:30 - 5

- 8:30 a.m.** **Registration/Sign-In** Light Breakfast in Kitchen
- 9 a.m.** **Welcome** Symposium in Combined Classroom
- Suzanne Almeida** Executive Director, League of Women Voters of PA
- Heather Harr** LWVPA Project Director
- Vera Bonnet** Chair, LWV Indiana County Environmental Issues
- Hon. Jim Ferlo** V.P. Pittsburgh Green Innovators
- Dr. Deno De Ciantis** Director, Penn State Center Pittsburgh
- 9:30** **Renewable Energy – Solar, Wind, GeoThermal, Small Scale Hydro, BioMass & BioGas**
 Ed Johnstonbaugh Renewable Energy Educator, Penn State Extension
- 10:00** **Sustainable Economic Development – Pittsburgh, Paris, Plans, Projects and Progress**
 Hon. Corey O'Connor Pittsburgh City Councilman
- Break – (15 min.) **RESTROOMS ON UPPER FLOOR LEVEL 1**
- 11:00** **TOUR of the Energy Innovation Center** Meet by restrooms (two tour groups)
- Return to Suite A, Penn State Center Combined Classroom – Get lunch in the kitchen**
- Noon – 1:00** **LUNCH and Keynote “The Just Transition” - Transitioning Workers from Fossil Fuel**
 Patricia DeMarco PhD Visiting Scholar, CMU Institute for Green Sciences
- 1:00 p.m.** **ENERGY, JOB CREATION & TRAINING**
- Batteries, Storage and Grids
- Matthew Maroon** V.P. Aquion Energy
- Natl. Energy Leadership Corps Home Energy Audit & Retrofit Job Training Program
- Cindy Hasenjager** Manager, Renewable & Alt. Energy, Penn State Center
- Solar in W. PA, and Environmental Entrepreneurs' Clean Energy Jobs Report
- Sharon Pillar** President, Solar Unified Network of W PA, & E2
- Break – (10 min)
- 2:30** **STRATEGIC PLANNING SESSION – EXPANDING ACROSS WESTERN PA**
- Policy Panel
- Ed Johnstonbaugh, Hon. Jim Ferlo, Mario Leone Jr.**(Monaca Borough Manager)
- Best Practices
- Jim Price** Sustainable Community Certification Program, Sustainable Pittsburgh
- Vera Bonnet** League of Women Voters Indiana County Sustainable Energy Inventory, EcoTourism
- Commentary: **Khari Mosley**, BlueGreen Alliance; **Anna J. Siefken**, Green Building Alliance; **Lindsay Baxter**, Pennsylvania Environmental Council
- 3:30** **SMALL GROUP DISCUSSIONS**
- 4:30** **Report Back Findings & Suggestions for Next Steps**
- 5:00 p.m.** **Adjournment; Please fill out and hand in evaluation forms**

***THRIVE*: Sustainable Energy, Jobs & Economic Development**
May 19, 2016

Speakers

Welcome

Suzanne Almeida, Esq. is the Executive Director of the League of Women Voters of Pennsylvania.

Heather Harr is Project Director for the League of Women Voters of Pennsylvania's Straight Scoop on Shale initiative.

Vera Bonnet chairs the League of Women Voters of Indiana County's Environmental Issues Committee.

The Hon. Jim Ferlo is Vice President of Pittsburgh Green Innovators. He is a retired State Senator for the 38th District, and Past President of Pittsburgh City Council. He has served as Treasurer for the Urban Redevelopment Authority of the City of Pittsburgh since 2006. Sen. Ferlo was a key figure in envisioning and establishing the Energy Innovation Center, including the selection of the Connelley Trade School for the EIC.

Deno De Ciantis Ed.D. is the Director of The Penn State Center Pittsburgh.

Renewable Energy – Solar, Wind, GeoThermal, Small Scale Hydro, BioMass & BioGas

Ed Johnstonbaugh is Renewable Energy Educator for Penn State Extension Westmoreland. Ed has worked in the energy industry for over three decades. He spent 25 years in the electric utility industry working for both investor owned and public power utilities. Since 2008 he has worked with the Penn State Extension organization promoting the adoption of applied renewable energy technologies across the state of Pennsylvania and the mid-Atlantic region. At the present time his work is supported by grants from the USDA Forest Service, Rural Development, and the R K Mellon Foundation.

Ed holds multiple degrees from Penn State and is currently working on a Masters of Renewable Energy and Sustainability Systems (also from Penn State). He's a lifelong Pittsburgher and lives in the South Hills with his wife, two sons, and his dog.

Sustainable Economic Development – Pittsburgh, Paris, Plans, Projects and Progress

The Hon. Corey O'Connor was elected, in his initial run for public office, to represent Pittsburgh City Council District 5 and was sworn in on January 3, 2012. Endorsed by both the Post-Gazette and the Tribune Review, O'Connor won his seat with over 75% of the vote. He was easily reelected and is now in the first year of his second term.

The Councilman's legislative accomplishments include: coordinating community input to craft comprehensive amendments to legislation creating a city Land Bank; banning smoking in city playgrounds and parks in conjunction with Young Lungs at Play; establishing an Advisory Board for Entrepreneurship and Start-ups; creating an incentive program that rewards small, local businesses for increasing their employees' wages; and

sponsoring resolutions calling on the Department of City Planning to create policies that incentivize green and sustainable development.

As the City Council representative for Pittsburgh's Hazelwood neighborhood, O'Connor has played an active role in the strategic planning of the Almono development at the site of the former LTV Coke Plant. He has worked closely with the Almono partnership and its general partner, RIDC, to promote the inclusion of best practices in stormwater and wastewater management, sustainable design, and transportation infrastructure.

O'Connor chairs Council's Committee on Urban Recreation and serves on several boards, including ALCOSAN, the Children's Home of Pittsburgh and the Lemieux Family Center, the Holocaust Center of Greater Pittsburgh, First Tee of Pittsburgh, VisitPgh, the University School, and the Cancer Caring Center. Corey, now 31, is the youngest of Pittsburgh's late Mayor Bob O'Connor and Judy O'Connor's three children. He and his wife, Katie Stohlberg O'Connor, reside in Swisshelm Park.

Luncheon Keynote "The Just Transition" - Transitioning Workers from Fossil Fuel

Patricia DeMarco, Ph.D. is a member of Forest Hills Borough Council, and also a Visiting Researcher & Writer at CMU's Institute for Green Sciences. She has spent a 30-year career in energy and environmental policy, including as Commissioner of the Regulatory Commission of Alaska, and Demand Side Manager for the Connecticut Municipal Electric Energy Cooperative. She was President of the Anchorage Economic Development Corporation. She also was Director of Chatham University's Rachel Carson Institute. She holds a doctorate in biology from the University of Pittsburgh. Her book, *"Pathways to Our Sustainable Future"* will be published by the University of Pittsburgh Press in 2016. The Charles Showalter Show on *The Union Edge Radio* carries her regular segment on "Just Transitions."

ENERGY, JOB CREATION & TRAINING

Batteries, Storage and Grids

Matthew Maroon is the V.P. of Product Management for Aquion Energy.

Matt joined Aquion Energy in early 2014, with over 10 years of experience scaling new energy storage electrochemistries into commercial products. Matt's technical background includes a range of energy storage chemistries, including aqueous hybrid ion, advanced lead acid, lithium ion, ultracapacitors, and sodium nickel chloride. Prior to joining Aquion Energy, Matt was the Director of Product Management for GE's Durathon product line. Before GE, Matt worked at energy startups EnerG2, an advanced materials company targeting high performance carbons for electrochemical devices; and Firefly Energy where he was one of the original inventors of the advanced carbon foam lead acid battery technology.

Natl. Energy Leadership Corps Home Energy Audit & Retrofit Job Training Program

Cindy Hasenjager is Manager of Renewable and Alternative Energy for the Penn State Center Pittsburgh. In her work, she promotes quality in training of workers in the fields of renewable technologies and energy efficiency, professional continuing education on a range of energy-related issues, and community collaboration on sustainability issues.

In 1998, Cindy moved from Los Angeles to Pittsburgh and soon found a job with, the then fledgling, 3 Rivers Wet Weather, Inc. She worked at 3RWW for 11 years, developing relationships with many municipal leaders and the civil engineering community. She brings to the Penn State Center Pittsburgh nearly four decades of varied experience in nonprofit management, stormwater and sewage infrastructure, alternative transportation fuels, aviation and the retail food industry.

As a former 4-K kid growing up in Wisconsin, Cindy is excited about partnering with the 4-H educator to bring STEM and energy programs to the next generations of environmentalists. She also loves Pittsburgh's museums, theatre and live music.

Solar in Western PA, and Environmental Entrepreneurs' Clean Energy Jobs Report

Sharon Pillar currently serves as the elected president of the Solar Unified Network of Western Pennsylvania (SUNWPA), the region's solar trade organization. Sharon is a Clean Energy Consultant currently working with Environmental Entrepreneurs (E2), an affiliate organization of the National Resources Defense Council (NRDC), to raise business voices in support of the Clean Power Plan and favorable clean energy policies in Pennsylvania. Sharon also manages the Solarize Allegheny project for SmartPower, a national non-profit marketing firm for clean energy which encourages homeowners and businesses to go solar. Previously, she provided guidance to non-profits for solar purchasing, directed the formation of the first solar cooperative in western Pennsylvania, and authored a white paper on solar financing options for non-profit organizations in Pennsylvania for Pittsburgh Green Innovators. During her eight years at PennFuture, Ms. Pillar served as the Project Manager for solar programs and also provided community outreach for climate change and clean energy policy. She holds an M.A. in Earth Literacy and a B.A. in Psychology.

STRATEGIC PLANNING SESSION – EXPANDING ACROSS WESTERN PA

Policy Panel

Ed Johnstonbaugh, Hon. Jim Ferlo and Mario Leone Jr.

Mario Leone, Jr. is the Monaca Borough Manager and winner of the American Public Works Assn. Sustainability Award for his sustainable energy initiatives in Monaca, PA.

Best Practices

Sustainable Community Certification Program, Sustainable Pittsburgh

Jim Price is the Sustainable Community Coordinator for Sustainable Pittsburgh where he manages the Sustainable Pennsylvania Community Certification program in coordination with the Pennsylvania Municipal League (PML). He also works with developers on projects considered Developments of Regional Importance to encourage them to include sustainable best practices.

Prior to coming to Sustainable Pittsburgh Jim served as the Policy and Project Manager for the Congress of Neighboring Communities (CONNECT), an innovative policy advocacy organization representing the City of Pittsburgh and its 36 first-ring suburbs. James also worked as the project coordinator for a US Department of Energy funded

solar project designed and managed by Citizens for Pennsylvania's Future (PennFuture), a statewide environmental organization.

James holds a BA from Cleveland State University in Political Science and History and a Master's of International Development focused on Development Planning and Environmental Sustainability from University of Pittsburgh. James is a socially conscious cyclist and hiker who loves being outdoors.


**League of Women Voters of Indiana County's Sustainable Energy Inventory, EcoTourism
Vera Bonnet**

Commentary

Khari Mosley is the PA Regional Programs Manager for the **BlueGreen Alliance**.

Anna J. Siefken is the V.P. of Strategic Engagement, & Director of the Pittsburgh 2030 District, at the **Green Building Alliance**.

Lindsay Baxter is the Program Manager for Energy & Climate at the **Pennsylvania Environmental Council (PEC)**.



**“THRIVE: Sustainable Energy,
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the League of Women Voters of Pennsylvania’s
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Find out more about the Straight Scoop on Shale

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