

BUILDING EDUCATION SERIES 2023

PRESENTED BY



OHIO



Cleveland

MODERATOR

NICOLE STIKA
WORLD-KINECT
ENERGY SERVICES



SPEAKERS AND PANEL



TESS BILBREY
ABM



ALEX WILLIAMS
CAMPBELL



CHUCK KEIPER
NOPEC



ANAND NATARAJAN
CLEVELAND



MICHAEL PETERS
SHAKER HEIGHTS



TRISTAN RADER
LAKEWOOD



ANDY BOATENG
CLEVELAND HEIGHTS

LOCAL MUNICIPALITIES ADDRESS CLIMATE ACTION

Online



THURSDAY

21 SEPTEMBER 2023



08.00 AM - 10.00 AM

THANKS TO OUR EVENT SPONSORS

Makovich & Pusti
Architects, Inc.



NOTE:

Cleveland 2030 District and the Cities represented here today do not endorse or recommend any particular services or products.



BUILDING EDUCATION SERIES 2023

8:00 TO 10:00 AM ET

JAN 19: ELECTRIC VEHICLES, CHARGING STATIONS AND INFRASTRUCTURE

FEB 16: THE BUILDING ENVELOPE'S IMPACT ON EFFICIENCY

MAR 16: HOW LARGE ORGANIZATIONS ARE ADDRESSING CLIMATE CHANGE

MAY 18: EXEMPLARY RENOVATION AND NEW CONSTRUCTION PROJECTS

JULY 20: WHAT PROMOTING ELECTRIFICATION WILL MEAN FOR THE GRID

SEPT 21: LOCAL MUNICIPALITIES ADDRESS CLIMATE ACTION

NOV 16: POWER GENERATION'S IMPACT ON THE ENVIRONMENT

WWW.2030DISTRICTS.ORG/CLEVELAND/EVENTS

Before we start:

We'll send out a Google spreadsheet for CEU sign ins – please complete by close of business today.

We'll send out a very short survey after the session – please complete by close of business today.

Please use the chat feature to ask questions but keep your microphone muted. We will address questions at the end in panel style.

Today's session will be recorded and posted to our website under District Library.





Nicole Stika

**Senior Business
Developer, Sustainability
Solutions**
World-Kinect Energy
Services

www.world-kinect.com

Nicole oversees the North American sustainability advisory services team and works with clients globally to develop and implement their pathway to net zero. She is responsible for facilitating the connection of existing and new clients to the most effective sustainability solution that best fits their needs. She helps each client from the very beginning of their sustainability journey, starting with understanding their needs and vision, providing guidance on all present market and regulatory conditions, and developing their plan of action.

She was previously the Vice President, Energy Services with the Greater Cleveland Partnership, the nation's largest metro chamber of commerce, where she developed and lead the chambers energy portfolio for nearly 18 years. There she managed the procurement of natural gas and electricity on behalf of member companies, managed the energy audits and energy conservation measures including solar, and financing strategies to help members become more energy efficient and sustainable.

She earned her Master's in Public Administration specializing in economic development at the Maxine Goodman Levin College of Urban Affairs at Cleveland State University and her Bachelor of Arts from the University of Dayton and earned her LEED Green Associate. She is an active board member of USGBC Ohio MLAB, the USGBC NEO LLT, and Vice Chair of the Cleveland 2030 District.



Chuck Keiper

Executive Director and
CEO
NOPEC

www.nopec.org

Chuck has been with NOPEC since mid-December of 2011. Chuck came to NOPEC after a long and distinguished career as a public servant including service as vice president of the renowned Garfield Institute for Public Leadership at Hiram College and a nearly 18 year tenure as a Portage County Commissioner where he developed and championed an array of regional intergovernmental initiatives. These included the Northeast Ohio Joint Office of Economic Development (chair), the Northeast Ohio Trade and Economic Consortium (NEOTEC), the Community Partnership for Arts and Culture and the Northeast Ohio Public Energy Council (NOPEC) where he served as the Portage County member of the Board of Directors for a number of years. Chuck holds Bachelors and Masters Degrees from Kent State University.



Alex Williams

Senior Territory Manager
Campbell Inc.

www.campbellinc.com

Experience

Alex has carved a multifaceted career spanning account growth and management, new business development, and technology integration. His versatile experience includes intrapreneurship, entrepreneurship, hardware and software technology, professional services, partner channel management, bundled energy solutions, and building automation systems.

Education

Alex holds a degree in Business Administration from Benedict College.

Credentials

Currently, he is the Northeast Ohio Territory Manager for Campbell Inc., a position that allows him to leverage his extensive expertise.

Interests

In his free time, Alex is passionate about fitness and enjoys traveling with his family. He is happily married to Tonyia, and they have a son, Alex Jr.

Expertise

Alex serves as a strategic advisor to various businesses. He specializes in optimizing sales and expanding market share, which consistently drives growth for his clients.

Community Involvement

Dedicated to giving back, Alex also volunteers at the Southeast Seventh Day Adventist Church and the United Black Fund to assist with fundraising initiatives. Additionally, Alex regularly contributes to men's and women's shelters like Norma Herr, Laura's Home Women's Crisis Center, Lutheran Metropolitan Ministry Men's Shelter, and The City Mission by donating food and providing workshops on interviewing, resume writing, and financial literacy.



Tess Bilbrey

Infrastructure Solution
Specialist
ABM

www.abm.com

Tess Bilbrey works with Education, Municipal and State Governments in reallocating, preserving, and generating resources to fund their mission, vision, and goals. Working side by side providing optimal funding solutions resulting in turnkey resources which address deferred capital needs, updating historical infrastructure, improve indoor air quality, transform learning spaces, upgrading security, and ultimately plug budget shortfalls caused by funding reductions.



Planning Into Action to Address Critical Needs of Climate Action & Sustainability Resiliency

Presented By: Tess Bilbrey & Alex Williams

September


21

2023



817 92

ABM®

 **Campbell**®
MECHANICAL SERVICES

OUR PROCESS



ANALYZE

- Analyze clients' utility spend and capital budget
- Conduct preliminary site survey
- Present PA summary of recommendations



DEVELOP

- Detailed site surveys, utility baseline, energy calcs and modeling
- Co-authored projects scope with Client
- Rebate/incentives analysis, scope development
- Present final scope, design, pricing, savings, and funding options



EXECUTE

- Secure rebates and incentives
- Construction management
- Ensure project is delivered safely, on-time, and within budget



OPERATE

- Training, Measurement and verification
- Supply Client with maintenance agreement
- Energy procurement and carbon trading and benchmarking reporting

TURNKEY SOLUTIONS



Engineering Calculations
& Design-Build Service

Utility Rebates & EPA
Tax Incentives

HVAC, Central Plants,
Lighting & Controls

Demand Response, Resiliency

Project Management
& On-Site Training

Benchmarking and
Measurement & Verification

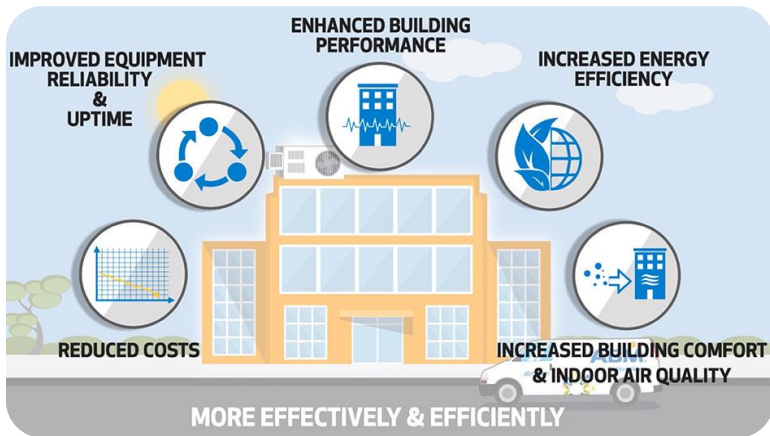
Guaranteed Energy
Saving Programs

Building Systems and
Infrastructure

Solar and Other
Renewable Energy and
Sustainability Solutions

Structuring Financing Terms
to Generate Positive Cash Flow

Commissioning &
Retro-Commissioning



Planning Into Action

The City of Fremont is the county seat of Sandusky County, in northern Ohio, with over 16,000 residents.

CHALLENGE

Officials in the City of Fremont needed to develop a capital improvement plan after a boiler and chiller failed at one of its facilities. As part of the plan, officials wanted to reduce energy consumption and utility costs, and upgrade water meters for 5,000 residential and commercial properties to ensure accurate billing and quickly detect and repair leaks. ABM's customized solution allowed the city to upgrade the water meters and infrastructure, without incurring upfront costs.

SOLUTION

ABM worked closely with the City of Fremont to identify opportunities to create energy savings. Together, they developed a detailed plan to make upgrades, without upfront costs.

ABM implemented comprehensive infrastructure improvements through its Energy Performance Contracting Program, creating significant savings to provide funding for vital facility and infrastructure upgrades and new construction.

The customized solution is projected to save the City of Fremont more than \$12 million in energy and operating costs over a 15-year period.



"ABM's customized solution for the City of Fremont will allow us to upgrade our existing facilities through energy and operational savings, without committing any additional funding to update the city's infrastructure for our residents. This will provide the city with funds to positively impact all of our residents."

Mr. Danny Sanchez
Mayor, City of Fremont

BENEFITS

ABM helped the City of Fremont improve and upgrade its facilities, and cut costs - without incurring upfront costs.

Other benefits included:

- Replaced residential and commercial water meters to eliminate estimated reads, increasing longevity and leak detection, reducing maintenance and improving efficiency
- Retrofitted lighting systems to energy-efficient LED lighting in city-owned streetlights, bridge lights and at eight facilities
- Replaced or retrofitted HVAC units at six facilities and installed state-of-the-art HVAC control systems to maximize energy and operational efficiency
- Upgraded building automation systems at three facilities to increase usability and comfort, while driving operational savings
- Upgraded ventilation at each facility by sealing building envelopes and resealing windows to drive energy savings and increase comfort

Making An Impact

Concept
Meeting



Let's Talk!

Resiliency

Address Critical
Needs

Planning Into
Action

Process
Driven

Sustainability

Climate
Action



Thank You

Alex Williams & Tess Bilbrey

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Alexw@campbellinc.com m: 216.832.7936





Anand Natarajan
PMP, CEM, LEED AP O+M

Assistant Director and
Energy Manager
City of Cleveland, Mayor's
Office of Sustainability

www.clevelandohio.gov

Anand Natarajan is currently the Assistant Director, Mayor's Office of Sustainability in the City of Cleveland, Ohio. Reporting to the Director of Sustainability, Anand assists in developing overall strategy and execution of programs for the office, besides daily administrative management of personnel and processes.

Since joining the City in 2010, Anand has worked on several Sustainability and Climate Action Planning focus areas such as Energy Management, Green Buildings and Sustainable Transportation for both city operations, as well the city proper. Anand serves on a number of energy and climate related advisory committees in the region, as well as on the board of the local ASHRAE chapter.

Anand has extensive project and program management experience in various industries in the for-profit, non-profit and the government sectors. Anand is LEED-AP (O+M) certified, a Certified Energy Manager (CEM), Certified Project Management Professional (PMP), has an MBA w/ emphasis on Sustainability, Organization Development and Non-profit Management, besides a couple of Masters degrees in Systems Science (Computer Science Dept.) and Materials Science (Mechanical Engineering Dept.).

Anand enjoys doing yoga, playing tennis, photography and spending time with his kids and family.



Michael Peters

Sustainability
Coordinator
City of Shaker Heights
Co-Founder
Sway Mobility
www.shakeronline.com

Michael Peters mixes a background in public policy, banking, and sustainability with a focus on accelerating the transition to electric vehicles and shared e-mobility programs. He is the CEO and co-founder of Cleveland-based Sway Mobility, an electric vehicle carshare platform, and the Sustainability Coordinator for the City of Shaker Heights.

Michael was previously an investment banker in Chicago, New York, and London and boomeranged back to his hometown of Cleveland in 2013. He received his undergraduate degree from The University of Chicago and graduate degree from New York University. He is also a U.S. State Department Exchange Program alumnus and holds LEED AP, EcoDistricts AP, and Certified Passive House Consultant accreditations.



Tristan Rader

City Councilman

City of Lakewood

Director

Solar United Neighbors

www.lakewoodoh.gov

Tristan Rader is a solar energy advocate, policy nerd, and public servant dedicated to making the world a more sustainable place, one rooftop at a time. He currently serves as the Ohio Program Director at Solar United Neighbors and is a member of Lakewood City Council.

While in college, Tristan worked in outreach and advocacy at the Cleveland Foodbank. Later he would work on numerous political campaigns, climb the ranks, and managed field operations for gubernatorial and presidential candidates. In 2017, Tristan launched his own bid for elected office and won a seat on Lakewood City Council. In this role, he passed a 100% clean energy commitment, a \$15 minimum wage for city workers, and initiated Lakewood's first climate action plan.

At Solar United Neighbors, Tristan has helped thousands of homeowners on their journey toward solar adoption. He directs Ohio's solar and renewable energy policy programs, working locally and statewide to secure a better, clean energy future for all Ohioans.

Tristan holds a Bachelor of Business from Kent State University, a Master of Public Administration from Cleveland State University, and a Certificate in Renewable Energy Development from Yale Center for Business and the Environment.



Andy Boateng

**Sustainability and
Resiliency Coordinator
City of Cleveland Heights**

www.clevelandheights.gov

Andy Boateng, is the Sustainability and Resiliency Coordinator of the City of Cleveland Heights, Ohio. He is a sustainability and climate change expert with close to two decades of experience in the development and management of strategic environmental, social and governance solutions applicable at the corporate, urban, national and international level. He has expertise in addressing anthropogenic climate change with an emphasis on how communities can reduce their carbon emissions from sources and removals from carbon sinks, and embark on human-driven adjustments in economic, social, and environmental systems, in response to actual or expected climate stimuli and their impacts. He previously worked in the environmental consulting space where his work involved building climate resilient and sustainable communities, and also worked on national climate resilience efforts, during which time he was a representative to fora organized by the United Nations Framework Convention on Climate Change (UNFCCC) in Europe and Africa. He serves on several technical committees and commissions and gives lectures in colleges on building climate resilient communities. He holds a Master of Arts Degree in Urban Planning and Geography from the University of Akron, and is currently a Doctoral Candidate at Kent State University, with a dissertation focused on urban carbon emissions and multi-stakeholder collaboration aimed at climate change mitigation.