The 18th Microgrid Global Innovation Forum – North America, December 5-6, 2023 in Chicago brings together key industry executives for focused networking and information sharing concerning the design, implementation and operation of renewables-centric microgrids in North America and globally. The emphasis is on maximizing the effective use of sustainable distributed energy resources, refining the positive business model for a range of microgrid deployments, and sharing real-world case studies in both grid-tied and off-grid environments. The event will focus on:

- Business models for multi-stakeholder, multi-partner microgrids
- Microgrids for C&I customers
- Microgrids in EV fleet charging and V2G scenarios
- Microgrids as a strategy for grid resilience and outage management
- Energy-as-a-Service, decentralization and digitization
- Leading North America case studies and lessons learned to date
- Grid-tied, utility distribution microgrids and integration with the larger grid
- Solar PV, CHP, and energy storage strategies for decarbonizing the energy mix
- Minimizing energy costs and integrating renewables on-site
- Regulatory and public policy trends and developments
- Optimizing hybrid, renewable energy systems for public, municipal, commercial, and military deployments
- Evolving the traditional utility business model
- Recent C&I deployments internationally and key lessons for the U.S.
- System architectures and alternatives
- Microgrid design, analysis, and feasibility planning tools
- Microgrid power control systems
- System modeling and analytical tools

The audience for the Forum includes microgrid project developers, owners, and entrepreneurs; utility and energy provider executives; renewable energy professionals; energy storage providers, technology researchers, investors and regulatory representatives, and more.

Organized by: SGO Smart Grid Observer
Previous Microgrid Innovation Forum – North America Attendees Include

127 Energy
60Hertz Microgrids
ABB
Adaptive Microgrids
Advanced Control Systems
Ageto Energy
Air Voltaics LLC
Alaska Center for Energy and Power
Alliance for Rural Electrification
AlphaStruxure
Ameresco
American Public Power Association
ARDA Power
AutoGrid
Blue Pillar
Blue Planet Energy Systems
Bluefin Energy Solutions Inc.
Bluewave Resources
Boice Dunham Group
Bowen Advisors
California Energy Commission
California Public Utilities Commission
Calpine Energy Solutions
Cameron County Municipal Utilities Authority
Canadian Solar
Castello di Amorosa Winery
Cenfura Energy
Center for Climate and Energy Solutions
ChargePoint
Citizens Energy Corporation
ComAp
Commonwealth Edison
ComRent
Concentric Power
Concord Engineering Group
Concord Engineers
Connect California
Connected Energy
Covanta
CPS Energy
CustomerFirst Renewables
Customized Energy Solutions
CWL ENergy Management
Daegunsoft
DCfusion / EnSync Energy
District of Columbia Public Service Commission
DEIF
Department of General Services, Montgomery County
Development Ventures
DNV GL
Dobriansky Consultancy
Doosan GridTech
Duane Morris LLP
Duke Energy
Dynamic Energy Networks
Eaton
e-centricity, LLP
EDF Renewable Energy
EDI Capital
Edison Electric Institute
Edison Energy
Electrical Industry Group NW
Electriq Power
ELM FieldSight
Elum Energy
Emera Technologies
EMerge Alliance
Enbala Power Networks
Enchanted Rock
Energa Group
Energy News Network
Energy+ Inc.
Energet Global
EnerVenue
Envision Solar International
Eos Energy Storage
ERS
ESPE Srl
Exelon
e-Zn
Federal Energy Regulatory Commission
Fermata Energy
FREEDM Systems Center, NC State
Future Energy Advisors
GE Grid Solutions
General Microgrids
Geronimo Energy
Global Common
Gommyr Power Networks
GreenStruxure
GRIDIRON
Guidehouse Insights
Harvard University
Hatch
Hitachi Systems Power Services, Ltd.
Husk Power Systems
Hydro-Quebec
ICF
I-EMS Group
ILAW Energy
Illinois Commerce Commission
Illinois Institute of Technology
Industrial Economics (IEc)
Inspire! Montana
Invernergy
itunePower Inc.
JGC Corporation
Kore Lithium
Krevat Energy Innovations
Lansing Board of Water & Light (LBWL)
Lico Energy
Lockheed Martin Energy
Microgrid Institute
Microgrid Design of Mendocino
Microgrid Knowledge
Modelon
Montgomery County Department of General Services, Maryland
Morrison Foerster LLP
MPR Associates, Inc.
National Association of Regulatory Utility Commissioners
National Electrical Manufacturers Association
National Renewable Energy Laboratory
NaturEner USA
New Sun Road
New York Independent System Operator
New York State Smart Grid System Operator
NextEnergy
North American Substation Services
North Carolina’s Electric Cooperatives
Northern Alberta Institute of Technology
Novartis
Nuve
NVS
Oceanus Power & Water, LLC
OMMETRIC Group
Pareto Networks
Powerflex by EDF
Renewables
PSE Innowacje
PXISE Energy Solutions
Quebec Government Office
R J Energy
Racepoint Energy
Rakon Energy
Redstone Technology Integration
Ricardo Energy & Environment
RMIT University
Robert H. Smith School of Business, University of Maryland
Rolls-Royce Solutions America
RTI
S&C Electric Company
Saft America, Inc.
Sapling Financial
Scale Microgrid Solutions
Schneider Electric
Schweitzer Engineering Laboratories
SDG&E
Siemens
Skipping Stone
Smart Electric Power Alliance
Smart Grid Energy Research Center, UCLA
Southern Company
Southland Industries
SparkMeter
Sterling Energy Assets
Strathmore Energy Research Centre
SunPower Supply
Sunverge Energy
Taiwan Institute of Economic Research (TIER)
Tesla
Tetra Tech
Tridium
Tuatara Group
U.S. Army Office of Energy Initiatives
U.S. Energy Information Administration
Unison Energy
University of Idaho
University of Maryland
University of Ottawa
University of St. Thomas
University of Wisconsin Milwaukee
West Monroe Partners
Willdan Energy Solutions
Winch Energy
World Bank
Previous Attendee Job Titles Include

- Assistant Professor, Microgrids
- Associate
- Associate Professor
- Attorney Advisor
- Business Advisor
- Business Development Director
- Business Unit Development Manager, Grid Automation
- Business Unit Director - Renewables (GB & International)
- CEO
- CEO and Co-founder
- Chairman
- Chief Commercial Officer
- Chief Marketing Officer
- Chief of the Office of Energy and Sustainability (OES)
- Co-Founder
- Co-Founder and CEO
- Co-Founder and President
- Deputy Director
- Director
- Director of Industry and Innovation
- Director, Distributed Electricity and Storage
- Editor
- ElectriFi Manager
- Energy & IT Analyst
- Energy Solutions Manager
- Energy Storage Marketing/Strategy Manager
- Engineer
- Engineering Manager
- Executive Director
- Founder & Managing Director
- Founding Partner
- General Manager
- Global Sales Manager Microgrids
- Global Sector Co-ordinator, Innovative Finance
- Head of Direct Sales
- Head of Innovation - Global Infrastructure & Networks
- Head of Microgrid & Digital Substation Solutions
- Head of Project
- Independent Consultant
- Industry Research Analyst
- Journalist and Economist
- Manager of Market Intelligence, Strategy and Innovation
- Manager, Business Development
- Manager, Optimization and Forecast
- Manager, Policy and Innovation
- Manager, Smart Grid & Technology
- Manager, Technology Development
- Manager, Utility of the Future
- Manager-Emerging Technologies Office
- Managing Director
- Managing Partner
- Market Design Specialist - Distributed Resource Integration
- Microgrid Advisor
- Microgrid Laboratory Responsible
- Microgrids CTO North America
- News Director
- Of Counsel
- Operations Manager
- Partner & Co-Founder
- Portfolio Analyst
- Power Systems Group Leader
- President
- President & CEO
- Principal
- Principal Engineer
- Principal Research Analyst
- IEEE Fellow
- Program Director, Sustainable Energy Transformation and Microgrid Project
- Project Engineer
- Project Manager
- Renewable Energy Segment Manager
- Renewable Energy Specialist
- Research Associate Renewable Energy
- Research Officer
- Researcher and Industrial Engineer, Grid Integration
- Sales Manager
- Senior Analyst
- Senior Consultant Hydropower
- Senior Director, Energy & Utilities Practice
- Senior Engineer
- Senior Manager, Smart Grid Integration, North America
- Senior Portfolio Analyst
- Senior Principal, Sustainability
- Senior Vice President, Policy and Business Strategy
- SETS Program Manager
- Sr. Climate Change Specialist and Program Manager
- Technical Consultant - Power Supply & Protection
- Technical Expert – Regulatory Instruments
- Technical Sales Manager
- Technical Support Manager
- Venture Developer
- Vice President
- Vice President - Smart Grid, North America Operations
- Vice President Business Development
- Vice President, Product Management
- VP Commercialization & Product Development
- VP of Operations
Agenda

Tuesday, December 5, 2023

8:00 - 9:00 am  Registration and Welcome Coffee

9:00 - 9:30 am  Electrification and Decarbonization Hand in Hand

The Brookville Smart Bus Depot microgrid started operating in October 2022 and the Equipment Maintenance and Transit Operations Center (EMTOC) microgrid is under construction. What is so important about these two projects? They are game changers. Both are powering zero emissions vehicles (transit buses) without increasing the power from the grid. With Brookville, Montgomery County and AlphaStruxure proved that the grid is NOT required to be upgraded for heavy duty EV charging. This is counter to the mainstream messaging about grid improvements to electrify transportation.

With each microgrid at these two transit hubs, not only are the sites electrifying they are also decarbonizing with the use of the microgrids. Each microgrid has a plan to move from ~60% decarbonization now to 100% decarbonization by 2030.

This session will discuss the keys to the direction taken to enable these two microgrids, the essential outcomes provided, and the applicability of these two sites to the broader transit and commercial delivery vehicle space.

Steve Pullins  
Senior Vice President and CTO  
AlphaStruxure  
Profile

9:30 - 10:00 am  Providing Customers the Economic Benefits of their Microgrids: The Challenges and Solutions

Since microgrids have become more than standby power, providers have been able to easily show the environmental benefits but have struggled to provide customers with what their financial results will be. We all have heard very impressive microgrid presentations at many conferences. Yet, when questions arise about what their Levelized Cost of Energy (LCOE) was, or Return on Investments (ROI) are, answers commonly given have been; "that was not the microgrid's objective" or "it was really a demonstration project". Yet, microgrid growth won't truly take-off until providers can show favorable financial returns in addition to their environmental impact.
Over the years, Innovus Power has performed microgrid design and financial models on hundreds of applications. Through this experience, we can share key hurdles that commonly impede a provider's capability to financially evaluate what a customer is looking for. Some of these challenges are in the following areas:

- Project objectives
- Project roles and responsibility allocations
- Microgrid system design variation
- Performance characteristics of wide-ranging components
- Range and volatility of key system cost drivers
- Key unknown and hidden costs

Innovus Power will provide strategies it commonly deploys to overcome these hurdles and provide case examples for context in the solutions suggested.

**Marc Hoffman**  
CEO  
Innovus Power  
Profile

**10:00 - 10:30 am**  
Benefits of Microgrids in Municipal and Coop Power Suppliers

This session will discuss the benefits of building microgrids around a municipality or a member of a coop. After examining various forms of microgrids that can be built, we will quantify transmission and energy savings, and discuss reliability gains. The speaker will also argue that the economic gains are more than transmission and energy savings since there are short-term employment gains during the construction of the microgrid. There is also long-term employment due to O&M as well as property tax/lease income from the microgrid, all of which currently are being spent on a large power plant somewhere else in most cases.

**Yashar Barut**  
CEO and Founder  
Power Market Solutions  
Profile

**10:30 - 11:00 am**  
Networking Coffee Break
Utility Microgrid Case Studies

Non-wires alternatives such as microgrids can play an effective role in utilities' toolbox for delivering power quality and reliability to high-value customers. They can also be an important strategy for serving remote areas where load growth is straining distribution network infrastructure. Additionally, microgrids can be a key resiliency and outage restoration option for areas affected adversely by disruptions related to extreme weather events. Furthermore, microgrids can help advance a decarbonized energy grid at the local level, where residents can become more involved in the community co-ownership and greening of their electricity service.

For these reasons and more, utilities are looking at how microgrids can play a role in their service offerings going forward. This session will look at case studies where electric utilities in the U.S. have implemented microgrids, with discussion of enabling technologies, business models, and key takeaways to date. The goal is to help provide insight and guidance as to how other utilities can utilize microgrids in their future network planning.

Paul DeCotis
Senior Partner, Energy & Utilities
West Monroe Partners
Profile

Sainab Ninalowo
Senior Manager of Smart Grid - Grid Modernization
ComEd
Profile

Michael Graves
Lead Engineer - Engineering Solutions
Alliant Energy
Profile

12:15 - 1:15 pm
Lunch Break
Community and Multi-User Microgrids for Resilience: Implementation Challenges and Perspectives from Puerto Rico and Washington

Historically, the majority of microgrids have been developed as single-customer assets behind the meter (hospitals, Department of Defense installations, etc.) or by utilities driving the development process. Increasingly, communities are seeking to lead the development of multi-user or multi-property microgrids to meet their own goals for resilience, energy equity and independence, and decarbonization. Without utility partners, the complex business models, regulatory and technical challenges (e.g., interconnection agreements, operating agreements, and financing structures) may prevent these projects from moving forward. This panel will discuss the value proposition of multi-user microgrids, the challenges of developing them, and progress in addressing those challenges. Finally, two case studies from communities moving forward with multi-user microgrids will be presented.

Key Takeaways:

- Value proposition of multi-user microgrids for communities, utilities, and end-use customers
- Key business model, regulatory, and technical obstacles that stakeholders face when seeking to develop multi-user microgrids
- Considerations prior to developing a multi-user microgrid (e.g., who benefits, who pays, and who owns and operates)
- Examples of how these obstacles have been addressed in specific microgrid projects
- Recent developments to support communities in addressing those obstacles on future projects
- Type of change still needed to enable the widespread proliferation of multi-customer (Community) microgrids

Lee Shaver
Senior Energy Manager
Slipstream
Profile

Carlos Alberto Velázquez
Program Director
IREC
Profile
Grid insecurity is a mounting concern as the climate and energy crises intensify. Furthermore, it is expected that electricity demand will surge by more than 35% by 2050, primarily driven by the rapid adoption of electric vehicles (EVs) and transportation electrification. To alleviate the strain on distribution networks, utilities are exploring non-wire alternative solutions to avoid lengthy and costly infrastructure upgrades. Furthermore, companies are increasingly driven by their ESG goals to electrify their fleets. Nevertheless, this transition presents challenges, particularly regarding costs. Microgrids are a shortcut emerging as a promising solution to address these challenges while offering added resilience.

Key Takeaways:

Microgrids deployed in the transportation sector: operational and under construction MW capacity through 2028
• **Interest in microgrid adoption has surged across transportation sectors since 2015:** Over 11 microgrids deployed and an additional 25 projects announced in the pipelines of utilities and solution providers through 2028, spanning e-fleets, e-bus transits, ports, and airports.

• **Microgrid-as-a-Service (MaaS) offerings as a solution to mitigate upfront costs:** The interest of various investors in MaaS for e-mobility gaining a market share exceeding 38%.

• **Added business opportunities for fleet operators:** resilience-added benefits ensuring fleet charging during grid disturbances, cost avoidance for grid upgrades, demand charge mitigation, and the modularity of advanced microgrids, allowing expansion as the fleet electrification expands over time. Modular solutions can reduce the project lifecycle by up to 40%.

**Elham Akhavan**  
Senior Microgrid Research Analyst  
Wood Mackenzie  
Profile

**Rachel Marcus**  
Principal Analyst, Grid Edge  
Wood Mackenzie  
Profile

**4:00 - 4:30 pm**  
Remote Grids: A Safe and Cost-Effective Alternative to Rural Distribution Lines

In the U.S., 5.5 million miles of distribution lines stretch across the nation, with a significant portion traversing forested regions. As the grid ages, these distribution lines increasingly pose a liability for utilities, becoming vulnerable to storms and powerful winds, causing millions of power outages annually. In the western part of the country, these lines have also been known to ignite devastating wildfires. In this session, BoxPower’s CFO and co-founder Anderson Barkow will be discussing three case studies, namely the Sagehen Field Station Remote Grid with Liberty Utilities, the Briceburg Remote Grid with PG&E, and the Pyramid Lake Remote Grid with Southern California Edison. These examples demonstrate how standalone solar-based power systems helped these IOUs reduce cost, mitigate wildfire risk, and improve energy resiliency for a variety of ratepayers.
Key Takeaways:

- How remote grids can reduce wildfire risk for energy providers while increasing the reliability of their grid
- How solar remote grids have cost, resiliency, and safety benefits for both wildfire-prone and aging infrastructure locations
- How the increasing threat of natural disasters will test grid resilience, especially in rural and remote areas

Anderson Barkow
Co-Founder and CFO
BoxPower
Profile

4:30 - 5:00 pm
A Case for Renewable Energy Microgrids

As EV adoption swells, critical charging infrastructure is subject to growing pressure on a number of fronts: 1) increased aggregate power and energy demands; 2) network coverage requiring deployments at the "grid-edge" with limited excess distribution capacity and; 3) decreased user tolerance for imperfect charging sessions. This session will present a case for renewable microgrids as a solution to ameliorate these challenges. We will describe how DERs can provide additional capacity during peak usage, and present a case for renewable-backed DCFC stations to manage DERs, EVSEs and fleets. A unique combination of IoT, AI and operations optimizations enable these microgrids and deliver affiliated benefits to utilities, site operators and end-users.

Austin Cappon
Vice President of IoT Engineering and Co-Founder
New Sun Road
Profile

5:00 - 6:30 pm
Drink Reception
Wednesday, December 6, 2023

8:00 - 9:00 am
Welcome Coffee

9:00 - 9:30 am
**A Novel DERMS + Transactive Energy Platform for Microgrid interoperability with the Bulk Power Grid**

With increasing numbers of distributed energy resources (DERs), fast AC & DC EV chargers and net-zero homes/buildings within T&D power grids, aggregators can form virtual power plants (VPP) and Microgrids (MG) with numerous DER, EVSE (for V2G), smart flexible loads (e.g., smart thermostats, smart appliances and programable EV chargers) to interact with the bulk power systems' operators during peak-demand hours and contingency conditions. The cooperation between the power grid operators and VPP/MG owners/aggregators is mutually beneficial for both stakeholders. The power grid operators could keep the lights on during peak-demand and contingency conditions for their customers, and the VPP/MG owners/aggregators could make money for their capital investments. In this presentation, we will demonstrate the simulations and optimal management of VPP and EVSE (for V2G and V1G) resources within two distribution feeders in north America, and the positive effects of DER and EVSE on the grids' voltage stability, transformers/cables congestion relief and the overall grid reliability.

![Ashkan Rahimi-Kian](image)

**Ashkan Rahimi-Kian**
Chief Technology Officer
**IEMS Solutions**
[Profile]

9:30 - 10:00 am
**The End Game: Tapping Buildings as a Virtual Power Plant**

To bolster the grid, buildings could play a pivotal role when transformed into a Virtual Power Plant (VPP) or a "New Utility," by forming a collective network of hundreds or even thousands of sites that harness the untapped potential of their assets, such as thermostats, electric vehicles, appliances, batteries, and solar arrays. With intelligent management of these resources, buildings can potentially and collectively offer a wide range of energy services, including capacity, energy provision and ancillary services, akin to those provided by traditional power plants.

This session will highlight the current role and market potential of small and medium commercial buildings in the energy landscape; the key challenges and barriers that hinder the
integration of smaller buildings into energy management solutions; and the kinds of opportunities and changes necessary for making buildings as VPPs a reality.

- The role and market potential of small and medium commercial buildings in the energy landscape
- The key challenges and barriers that hinder the integration of smaller buildings into energy management solutions
- The kinds of technology, business and regulatory changes that are necessary to harness the potential of small and medium commercial buildings in energy management
- A vision for how buildings and their assets can be leveraged as Virtual Power Plants (VPPs) to create an aggregated network of sites that supports the grid, and the kinds of VPP components that can contribute to grid stability and reliability

Greg Morehead  
Vice President, Hardware Engineering  
GridPoint  
Profile

10:00 - 10:30 am  
Fortifying Energy Resilience: A Case Study on the JFTB Los Alamitos Microgrid

In the heart of national security, where every second counts and every mission is critical, a silent hero stands guard, ensuring the lights never go out when the surrounding world goes dark. Join us to learn more about the installation of a comprehensive microgrid at the Joint Forces Training BASE (JFTB) in Los Alamitos, California, where we'll examine the importance of microgrids in improving energy resilience and security. We'll investigate challenges of traditional grid dependence, examine the key components of a microgrid that keep operations running during grid disruptions, and explore the added benefit of sustainable energy the Los Alamitos microgrid provides to the surrounding community.

Patrick Shoop  
Senior Manager, Advanced Energy Solutions  
Ameresco  
Profile
Many fleets and developers are installing EV Charging stations to support their future zero emissions trucks and buses. The larger vehicles are creating a big demand on the grid and its capacity to supply the megawatts of power needed for dozens of commercial vehicles. Often there is a significant delay in the grid's ability to provide the power necessary for these much larger loads. This session will discuss a phased approach to supporting these increasing loads utilizing best-in-class microgrid design and modeling tools. A case study of a typical freight depot based in Fontana, California will be examined.

**Project Phase 1:** Starting in 2024, we will use temporary generators to supplement the power for the initial 10 - 180 kW, Level 3 DC Fast Chargers to support 20 electric semi trucks hauling local loads of 30,000 pounds without any increase to the interconnection feed from the utility.

**Project Phase 2:** We will upgrade the site to 20 - 350 kW Level 3 DC Fast Chargers supporting 40 electric semi trucks doing regional hauling work starting in 2026.

**Project Phase 3:** We will add solar, battery and fuel cell backup generators to support those same chargers and trucks. This phase will also be duplicated into a similar depot operating in Chicago, IL.

With each phase Mr. Goldman will discuss the project phase results in terms of capital and operating Costs as modeled in Xendee.

Joshua Goldman  
Vice President, Mobility  
Xendee  
Profile

Modern high tech wind turbines come in all sizes -- from small turbines to charge batteries on a sail boat to offshore giants in the ocean. Mid-sized wind turbines (80 to 100 ft tall) are an
excellent fit to meet the needs for microgrids. These turbines have been designed for microgrids, do not harm wildlife, and offer a 30-year life span. One of the keys to their offering is the ability to secure permits without the need for excessive regulations such as FAA approval. They operate effectively at moderate wind speeds and are computer-controlled for optimum power production with electronic braking. These turbines are unobtrusive in size, qualify for all rebate programs and offer additional renewable energy credits for any project.

Frank Micone
Owner/Manager
Airvoltaics LLC
Profile

12:15 - 1:15 pm
Lunch Break

1:15 - 2:45 pm
Financial Incentive for Microgrids

Our national electrical power system, for the past 15 years, has been seeing leaps and bounds in the deployment of the microgrid functionality. To match the physical benefits these systems provide to the larger macrogrid and individual customers, the industry as-a-whole can no longer wait to pass along the financial benefits to system microgrid owners. This was precisely the thinking 15 years earlier that led to our National Institute of Standards and Technology Laboratory (NIST) commissioning the Smart Grid Energy Interoperability Standards body. In 2011, NIST published a market standard known as Transactive Energy (TE), a sub-profile within EMIX1 that precisely identified the steps to standardize rate design that supports decentralized electrification assets and goals.

Ten years later, in the Summer of 2021, following the successful 3-year demonstration of a Transactive Energy proof-of-concept project sponsored by the California Energy Commission2 (CEC), the California Public Utility Commission (CPUC) held a workshop and a year later launched a first-of-its-kind rulemaking proceeding, known as CalFUSE3, to permanently deploy TE state-wide. Following the wake of this rulemaking effort, the CEC, later in 2022, issued its own first-of-its-kind mandate, which validated the CalFUSE premise in rate design, and instructed the State's primary energy agencies to construct, maintain, and upload hourly dynamic price to the newly created statewide rate access tool, MIDAS4.

Key Takeaways:

Transactive Energy is more than a tariff, a binding contract; TE ensures all stakeholders: Utilities, OEMs, 3rd-party service providers, and flexible assets owners have an equitable system in place that:
• a) Provides two-way (buy and sell) cost signals based on local grid conditions, in short horizon intervals
• b) Uses asset owners' preferences to determine when an asset participates in providing grid services
• c) Supports modernization costs, absorbs stranded assets, and reduces the number of tariffs to maintain
• d) Establishes cost-causation in electricity rate design
• e) Speeds market adoption of 100% electrification and decarbonization goals

Stephen MacDonald
Founder
Energy Profit LLC
Profile

"Excellent. I have benefitted from hearing quite an array of perspectives and case studies. You have brought together a wealth of talent that generated great dialog and will stimulate cross-fertilization."
-- Larisa Dobriansky, Chief Business & Policy Innovation Officer, General Microgrids

"One of the best, with highest quality presenters on timely topics."
-- David E. Geary, PE, Co-Founder and Principal Engineer, DC Fusion

"Intra-disciplinary approach leads to this Forum as the premier program in microgrid innovations and thought leadership."
-- Michael J. Zimmer, Washington Counsel, Microgrid Institute

"This was a great networking opportunity. Speakers were interesting in and of themselves, but the mix (tech, policy, regulatory, markets) made for deeper conversations than most events provide."
-- Paul Roege, Vice President - Strategic Initiatives, Typhoon HIL
Sponsorship Packages

**Platinum Level**

Value: $4,000

- Top-level logo positioning as top-level sponsor on event website, agenda, on-site signage, in introductory comments, and in all marketing communications for the event
- Tabletop exhibit space
- 4 complimentary conference passes
- 20% off additional registrations
- White paper posted on event Website
- Corporate description with link on event Sponsors website
- Company information distributed at registration check-in desk
- Attendee List with contact information

**Gold Level**

Value: $3,000

- Tabletop exhibit space
- 3 complimentary conference passes
- 20% off additional registrations
- Logo positioning on event website, agenda, on-site signage, in introductory comments, and in all marketing communications for the event
- Corporate description with link on event Sponsors website
- Attendee List with contact information

**Silver Level**

Value: $2,000

- Tabletop exhibit space
- 2 complimentary conference passes
- 15% off additional registrations
- Logo positioning on event website, agenda, on-site signage, in introductory comments, and in all marketing communications for the event
- Corporate description with link on event Sponsors website
- Attendee List with contact information

**Bronze Level**

Value: $1,000

- 1 complimentary conference pass
- 10% off additional registrations
- Logo positioning on event website, agenda, on-site signage, in introductory comments, and in all marketing communications for the event
- Corporate description with link on event Sponsors website
Registration

Early Bird Standard Rate: Service providers, equipment and software vendors, consultants (Valid until Friday, October 27, 2023. $995 thereafter) $895.00

C&I microgrid owners, project developers and utilities (Valid until Friday, October 27, 2023. $895 thereafter) $795.00

Academic, Government and Non-Profit Organizations (.edu, .gov, or .org email address required. (Valid until Friday, October 27, 2023. $795 thereafter) $695.00

Register securely online at https://www.microgridinnovation.com/NA/register.htm

Event Venue

Chicago Conference Center
205 W. Wacker Drive, Chicago, Illinois 60605

Located in downtown Chicago's Loop, the Chicago Conference Center is steps away from the city's magnificent lakefront with world-renowned Millennium and Grant Parks, marvelous museums, restaurants and retail shopping.

About the Organizer

The Smart Grid Observer is an online information portal and weekly e-newsletter serving the global smart energy industry. SGO delivers the latest news and information on a daily basis concerning key technology developments, deployment updates, standards work, business issues, and market trends driving the smart grid industry worldwide. Visit www.smartgridobserver.com to sign up for a complimentary subscription.