



19th Edition

MICROGRID

GLOBAL INNOVATION FORUM

SEPTEMBER 24-25, 2024 • SAN FRANCISCO

The 19th edition of the [Microgrid Global Innovation Forum](#), September 24-25, 2024 in San Francisco, 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 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.



"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 Roegel, Vice President - Strategic Initiatives, Typhoon HIL

Agenda *Note: Subject to change*

Tuesday, September 24, 2024

8:00 - 9:00 am

Welcome Coffee & Registration

9:00 - 10:00 am

The Role of Microgrids in Achieving Time to Power

Time to Power is a code phrase for the new competition for power and lack of interconnection approvals. As utilities are challenged by major storms + growth of the data center space + the growth of LD and HD EV, new and expanding commercial and industrial facilities cannot get the power they need. This adds uncertainty for their business and is helping to push them toward Microgrids.

Key Takeaways:

- Utility capital and staff attention is spread thinner now than in the past with increasing need to address grid challenges like wildfire mitigation and undergrounding, large data center needs that shape the transmission and distribution system changes (100's of MWs), and electrification of buildings and transportation systems. The interconnection queue will not return to normal for many years.
- Microgrids, in addition to improving reliability and resilience, reducing GHG emissions, and stabilizing energy costs long-term, can reduce the time to power for a new commercial / industrial campus or expansion of an existing site.
- Microgrids provide an alternative to waiting in a utility interconnection queue that can be more than 5 years. A microgrid can be designed and built in 18 months.



Moderator:
Steve Pullins
CEO
ResSet



Ryan De La Cruz
Vice President, Microgrid
Development
Endurant Energy



Larry Watkins
Vice President, Project
Development
AlphaStruxure



Ardi Arian
President & CEO
Renewable America

10:00 - 10:30 am

Western States Microgrid Policy Update – Perspectives from an Advocate in the Field

This session will provide a brief overview of microgrid policy updates in key markets, including recent legislative and regulatory activities in select western states. Additionally, this session will highlight the

importance of engagement in government affairs and the role of policy advocacy in driving new business and market development opportunities for microgrids.



Allie Detrio
Chief Strategist
Reimagine Power

10:30 - 11:00 am

Networking Coffee Break

11:00 am - 12:15 pm

Microgrids and Energy Storage

Energy storage is critical to reliable electricity. However, if power sources, storage capacity and load requirements are not effectively managed, higher costs and inefficiencies can result. Automated controls can ensure that the cleanest, least expensive source(s) of energy are maximized and made available through storage. We will present case studies that show how storage can minimize grid and back up power usage saving money.

Complete decarbonization is not possible without battery storage at scale. Given the forecasts of more than 100 GWs of battery storage installations by 2030 to support the grid integration of unprecedented amount of renewable (solar and wind) generation, it is clear that batteries will play a big role in this transition. Likewise, U.S. microgrid installed capacity has reached more than 10 GWs and is forecasted to exceed \$10B in investment by 2030. Battery storage and microgrids are in at an interesting juncture in time given the attractive cost curves related to batteries and microgrid components, delays in large scale transmission projects, more stringent power quality requirements (e.g. data centers, chip manufacturing), and other factors.

In light of these synergies and industry drivers, will battery storage and microgrids hit an inflection point and experience significant growth? Will microgrids, like batteries currently, provide grid functions? How will microgrid/battery services get monetized, and how is the business model evolving? This panel session will explore these and related questions during this in-depth discussion.



Moderator:
Paul DeCotis
Senior Partner, Energy & Utilities
West Monroe



Adrienne Pierce
CEO
New Sun Road



Soam Goel
Senior Advisor
West Monroe



Michael Sanford
Business Development Manager –
New Energy Solutions
Cummins Inc.

12:15 - 1:15 pm

Lunch

1:15 - 1:45 pm

Lessons Learned from Microgrid Deployments and Operation

Discussion of lessons learned through the deployment and operation of several inverter based microgrids across the multiple jurisdictions within Duke Energy since 2016.



Jaclyn Whiteman
Director, CD Project Management
Duke Energy



Junior Hatcher
P.E., Manager, Renewable
Engineering
Duke Energy

1:45 - 2:30

Microgrid and Remote Grid Initiatives and Planning

This session will discuss the ever progressing regulatory and policy landscape for front-of-meter, and to a lesser extent behind-the-meter 3rd party microgrids in California with a specific focus on multi-property microgrids. We will touch on the utilization of microgrids and remote grids for Wildfire Mitigation purposes, as well as clean multi-property microgrids that serve disadvantaged and vulnerable communities (i.e., the Microgrid Incentive Program (MIP)). Additionally, we will discuss Southern California Edison's roadmap for microgrids and remote grids going forward.



Farzad Khalilpour
Engineering Manager, GTI, Grid Edge
Analytics and Control
Southern California Edison



Stacy Fuhrer
Advanced Clean Technology
Policy & Strategy Manager
SDG&E

2:30 - 3:00 pm

Remote Grids: Cost-Effective Strategies for Enhanced Resilience and Disaster Prevention?

Over 60% of U.S. distribution lines are past their 50-year life expectancy, posing safety risks in rural areas prone to wildfires and severe weather. The cost of updating this aging infrastructure has significantly increased, with undergrounding lines costing up to \$5M per mile. In this session, Angelo Campus, CEO of BoxPower, will discuss how Remote Grid Standalone Power Systems offer a cost-effective alternative to traditional upgrades. These off-grid solutions, featuring solar, battery storage, and backup generators, have proven to reduce upgrade costs and disaster risks.

Erin will highlight how Remote Grids improve energy reliability, aid decarbonization, and present a forward-thinking approach to overcoming grid aging challenges. Additionally, the presentation will explore the regulatory frameworks crucial for the deployment of Remote Grids, setting the stage for a discussion on navigating policy to enable these innovative solutions. Showcasing their efficacy through a case study with

partnerships including PG&E, SCE, and Liberty Utilities, this method marks a significant advancement in creating a resilient and sustainable energy infrastructure.

Key Takeaways:

- **Cost Savings Achieved:** Learn how Remote Grid Standalone Power Systems provide a financially viable alternative to traditional grid upgrades, significantly lowering infrastructure costs.
- **Enhancing Grid Resilience:** Discover the role of remote grids in improving the reliability and resilience of energy distribution networks, particularly in rural areas prone to wildfires and severe weather.
- **Disaster Risk Reduction:** Understand how integrating solar, battery storage, and backup generators into remote grids can mitigate disaster risks and ensure uninterrupted power supply during crises.
- **Navigating Regulatory Frameworks:** Gain insights into the regulatory challenges and strategies for deploying remote grids, including how policy can facilitate or hinder the adoption of these innovative solutions.
- **Case Studies and Real-World Applications:** Explore case studies from partnerships with PG&E, SCE, and Liberty Utilities, illustrating the practical implementation and benefits of remote grids in diverse settings.



Erin Redding
Program Manager
BoxPower

3:00 - 3:30 pm

Networking Coffee Break

3:30 - 4:00 pm

RAPID-Microgrid-in-a-Box and Other Clean Energy Resiliency Systems



Ryan Z. Davis
Systems Engineer
Idaho National Laboratory

4:00 - 4:30 pm

A Blueprint for the Mass Deployment and Scaling of Microgrids

My talk explores the future of our energy grid, focusing on scalable and easily deployable microgrids for resilience and outage management. I will discuss the role of microgrids in EV charging and Vehicle-to-Grid (V2G) scenarios, along with solar PV and energy storage strategies for decarbonizing the energy mix. By integrating Distributed Energy Resources (DERs), we can minimize energy costs and optimize hybrid renewable systems for public, municipal, commercial, and military deployments. DERs enable large-scale deployment through cost-effective, resilient, and flexible solutions, addressing fluctuating demand and building extra capacity.

Key Points:

- Enhanced resilience: Microgrids improve outage management and adaptability across various sectors, enhancing grid stability.
- EV and renewable Integration: Combines EV charging, V2G technology, and renewable sources like solar PV to decarbonize and stabilize the energy grid.
- Cost-effective DER Solutions: Utilizes Distributed Energy Resources to reduce costs and manage energy demand efficiently, allowing scalable deployment.



Alok Singhania
Partner
Gridscape

4:30 - 5:00 pm

Co-optimizing Energy, Peak Shaving, and Ancillary Services Participation for a Texas Microgrid

This session explores the deployment of AI-based Optimization software and hardware at a Tier 4 diesel-based microgrid at a cold storage facility participating in ERCOT's Ancillary Services, Real-Time Energy Markets, and 4CP transmission cost avoidance programs. The microgrid, designed to meet stringent emission standards, provides resilient power and optimizes energy costs and market opportunities for the site. By leveraging advanced control systems, the facility offers ancillary services such as ECRS, contributing to grid stability.

Participation in real-time energy markets allows for strategic buying and selling of electricity via export, enhancing economic efficiency. Additionally, the microgrid dispatches in 4CP events, yielding substantial transmission cost savings. Attendees will gain insights into the technical, operational, and economic benefits realized, highlighting the opportunity for program co-optimization to increase the financial viability of grid-tied microgrids, especially in ERCOT.

Key Takeaways:

- By providing multiple grid services in Texas, this cold storage facility was able to significantly reduce the payback period of their microgrid investment while securing resiliency for themselves and enhancing the stability of the local grid
- With the right equipment and expertise, many BTM microgrids can participate as effectively as FTM generators in open markets, with additional savings enhancements driven by transmission cost avoidance
- AI and forecasting technology is necessary to ensure the optimal market or non-market decision is made every hour of every day



Alden Phinney
Regional Director
GridBeyond

5:00 - 6:00 pm Drink Reception

Wednesday, September 25, 2024

8:00 - 9:00 am Morning Coffee

9:00 - 9:30 am

Community Microgrids

This session will examine solar-driven microgrids that cover Solar Microgrids that harness behind-the-meter (BTM) solar & storage assets and Community Microgrids that harness both front-of-meter (FOM) and BTM solar & storage assets. Solar Microgrids deliver an unparalleled trifecta of economic, environmental, and resilience benefits for facilities.

The session will provide an overview of the Microgrid Incentive Program (MIP) in California and highlights from the Clean Coalition's experience across a handful of actual MIP applications, and share insights into how Solar Microgrids can accommodate facility load growth, even in areas where the grid is fully constrained -- and the electricity utility is refusing to increase the service level. i.e., how Solar Microgrids provide BTM solar & storage assets that accommodate load growth without having to change the service level from the electricity utility. Ideas for positioning for future solar-driven microgrid opportunities will also be discussed.



Craig Lewis
Executive Director
Clean Coalition

9:30 - 10:00 am

Bridging the Gap: Leveraging Flexible Interconnections and Curtailment Tariffs for Enhanced Grid Resiliency

This session will provide a comprehensive overview of how the combination of both flexible interconnections and curtailment tariffs can work together to address both distribution and generation challenges, ultimately enhancing grid resiliency and efficiency. By proxy, this will stimulate and expedite the adoption of microgrid implementation.

We will look at emerging technologies and practices in flexible interconnections and curtailment management, as well as policy and regulatory considerations for broader adoption of these strategies. Frameworks for approaching these tariff changes at both the distribution and transmission system level in both regulated and deregulated states will be discussed, with a vision toward a resilient, flexible, and sustainable energy grid leveraging distributed energy resources (DERs). The session will present a summary of how this both benefits and monetizes the optics and adoption of microgrids.

Key Takeaways:

1. Understanding Flexible Interconnections:

- Overview of flexible interconnection agreements and their role in mitigating distribution system constraints.
- Case studies showcasing successful implementation in large commercial and industrial (C&I) facilities.
- Technical and economic benefits of flexible interconnections, including reduced grid upgrade costs and faster deployment.

2. Curtailment Tariffs: A Tool for Generation Management:

- Explanation of curtailment tariffs and their application during capacity shortfalls and generation constraints.
- Examples of curtailment programs and their impact on grid stability and reliability.
- Financial incentives and operational strategies for participants in curtailment programs.

3. Synergies Between Flexible Interconnections and Curtailment

Tariffs:

- How combining flexible interconnections with curtailment tariffs can optimize grid performance.
- Strategies for integrating both approaches to manage both distribution and generation constraints effectively.
- Benefits to utilities and end-users, including enhanced grid resiliency and economic efficiency.



Michael Lavillotti
Sr. Principal – Utilities
West Monroe

10:00 - 10:30 am

Grid 2.0: Pairing VPPs with Microgrids for the C&I Segment

As grid stressors, like extreme weather events, aging infrastructure, and increasing energy demand become more prevalent, large energy users are embracing the microgrid for energy security and autonomy. Microgrids can also deliver energy savings and new revenue streams through participation in Virtual Power Plants (VPPs). VPP participation not only improves the reliability of the grid, but also improves the economics of microgrid investments.

Key Takeaways:

- How VPP participation can unlock new revenue streams by aggregating DERs to support energy arbitrage and time-of-use optimization.
- How asset owners can develop an optimization strategy for VPP participation from the conceptual state to full execution.
- How to optimize and automate participation in grid services programs to unlock the full potential of DERs to improve grid reliability while maintaining operational continuity.



Eric Steinhofer
Director, Distributed Generation Partnerships
CPower

10:30 - 11:00 am

Networking Coffee Break

11:00 - 11:30 am

Electrification and job development for rural applications in the USA: Case Study ? Wind River Reservation

Electricity is vital for modern economic development and quality of life; however, residents of rural or developing areas often lack, or have limited access to, electricity as a public utility. Consequently, communities must consider non-municipal sources for delivering electricity when municipal sources are either not available or are cost prohibitive. This session examines the impact of an electrification project in Wind River Reservation located in Fremont County, Wyoming, USA. The proposed project is the deployment of 1,000 decentralized mini grids to generate energy for residential, commercial, and industrial purposes that match the needs, opportunities, and resources available in the area. The study predicts that this will result in a 60% increase in land access for economic development and the creation of 575 jobs.

Wind River Reservation in the USA is rural and vast, comprising 3,466 square miles. The reservation is home to 25,581 people with an employment rate of 56.5%, a median household income of \$58,266, and a poverty rate of 16.0%. Located in western Wyoming, the local economic opportunities include agricultural crop production, animal husbandry, oil and gas extraction, and tourist activities. Due to the rugged nature of the region, energy solutions must be capable of continuous operation despite periodic high winds, extreme cold, and high snowfall.

Reasons for the lack of access to electricity at Wind River Reservation include the vast area, the cost of infrastructure, and the capacity of the local workforce. At approximately \$8,000-13,000 per post-erected power line, this option is cost-prohibitive for the community and this fact motivates the use of off-grid stand-alone systems. Mini-grid installations yield a significant socioeconomic impact through addressing energy sovereignty and economic opportunity. For many Native American tribes, solar power is a tool that allows tribal self-determination regarding energy acquisition and use, as well as employment and entrepreneurship opportunities for all individuals including those with minimal education.



Dr. John Abraham
Professor of Mechanical Engineering
University of St. Thomas

11:30 am - 12:00 pm

Microgrid Energy Innovators: How Communities in Alaska are Responding to the Climate Change Threat



Peter Asmus
Senior Advisor, Microgrid Strategy & Thought Leadership
Alaska Center for Energy and Power (ACEP)
Executive Director
Alaska Microgrid Group (AMG)

12:00 - 1:00 pm

Lunch

1:00 - 1:45 pm

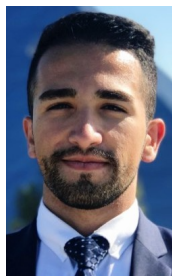
UCLA South Bay Smart Microgrid Project

There has been a growing focus on renewables, with increasing investments across all levels, locally and nationally. UCLA has also committed to lowering its emissions by 50% by 2030 and achieving net zero emissions by 2050. With increasing enrollment and the entrained rise in housing demand, UCLA's challenge to lower its carbon footprint and its overall emissions over the next decades requires creative solutions. Our project team is piloting a PV system integrated with Battery Energy Storage System (BESS) microgrid to support student dormitories and electric bus infrastructure at UCLA's recently acquired South Bay Campus.

Through strategic integration of solar and BESS, along with advanced data analytics and AI-based predictive load monitoring, we optimize generation and consumption to project significant progress towards net zero for the campus. With the project, we aim to facilitate continued work in green infrastructure and establish UCLA's South Bay Campus as a hub for research in renewable energy.



Maya Deshpande
Sustainability Data
Science
Mattel



Reza Sheikhan
Project Engineer
TransGrid Energy



Kumar Saunack
Member of
Technical Staff
Stealth Startup

1:45 - 2:15 pm

Bulk Microgrid Deployments: Optimizing the Model



JP Ross
Vice President Local Development, Electrification and Innovation
Ava Community Energy

2:15 - 2:45 pm

Networking Coffee Break

2:45 - 3:15 pm

Lab-size Microgrid Test Bed at California Polytechnic State University

This session discusses a lab-size microgrid under development at California Polytechnic State University (Cal Poly), which can function like an actual microgrid and is suitable for an indoor laboratory. This microgrid will contain all the necessary components and will be tested under various contingencies and load patterns without actual PV cells, wind generators, fossil-fuel synchronous generators, and other necessary devices.

The system includes:

- A programmable DC 5 kW source with a PV emulator software that simulates the function of PV units and is programmed to operate similarly to an actual PV located in San Luis Obispo's weather conditions. This eliminates the logistical issues of installing PV panels on campus
- Controlled-speed 250 Watts motors that run asynchronous three-phase and asynchronous single-phase generators to replicate single-phase and three-phase wind generators
- A set of resistors, inductors, and capacitors to imitate 3-phase and single-phase AC transmission systems
- Two synchronous 250 VA generators run by DC motors at 60 Hz generate active and reactive power
- All necessary SEL relays to protect and control the system's operation and safety
- Switches to apply different types of faults
- Real-time digital monitoring system
- A set of static and dynamic loads
- Three-phase and single-phase transformers
- Three-phase and single-phase transmission system with RLC elements

The system is currently functional, and a Tabuchi BMS power pack with battery storage is being integrated into the microgrid. The completed system will be a physical microgrid with all the essential devices, capable of analyzing various contingencies and load patterns, including peak load shaving, load shedding, and voltage/frequency control.



Majid Poshtan, PhD
Associate Professor, Electrical Engineering
Cal Poly

3:15 - 3:45 pm

Public vs. Private 5G Networks for Microgrid Implementation

The advent of 5G technology promises transformative capabilities for microgrid systems, offering enhanced connectivity, reliability, and security for critical energy infrastructure. This session delves into the nuances of implementing 5G networks within microgrid environments, examining both public and private network solutions.

Through a structured analysis, attendees will gain insights into the strategic considerations necessary for effective deployment and operation of 5G-enabled microgrids. This session will provide an initial roadmap for energy sector stakeholders, enabling informed decision-making in the deployment of 5G technology to implement microgrid operations.



Phil Ziegler
Chief Technical Officer
Redevi, Inc.

Silver Sponsors



company, guiding the way to a sustainable future with premier solar energy solutions.

[Renewable America](#) is developing a growing pipeline of solar plus storage projects across California, totaling over 320 megawatts of solar capacity and 680 megawatt-hours of energy storage. These projects are strategically placed to meet community needs and offer reliable electricity, with many designed as microgrids for backup support during outages. Our subsidiary, RNA Services, excels as a leading Solar Engineering, Procurement, and Construction (EPC)



[MaxIntel Labs Inc.](#) (MaxIntel) is an innovative software and hardware development firm that sets the gold standard for creation of products to address the demands of the unprecedented energy generation needs dictated by Climate Change, AI, and the disruptive surge in DERs (Distributed Energy Resources) like solar and wind.

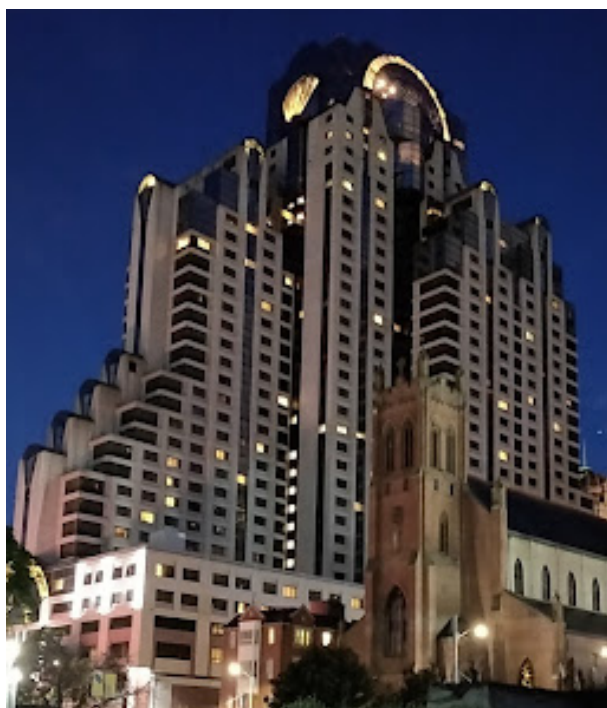
Visit www.maxintel.energy

Bronze Sponsor



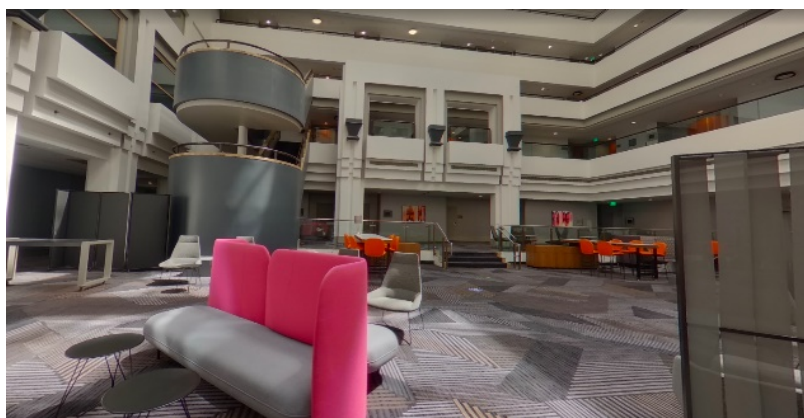
[Momentum](#) designs, develops, and deploys innovation campaigns for organizations working on transformative water, energy, transportation, and manufacturing technologies. Based in Sacramento, California, Momentum has a global reach, delivering strategic planning, fund development, project management, and commercialization services from Los Angeles and Seattle to New York City and the Kingdom of Jordan. Momentum was established in 2005 as Grant Farm. Visit www.buildmomentum.io

Event Venue:



Executive Conference Center

San Francisco Marriott Marquis, 55 4th St, 2nd Floor
San Francisco, CA 94103



Previous Microgrid Innovation Forum Attendees Include

127 Energy	Department of General	ILAW Energy	R J Energy
60Hertz Microgrids	Services, Montgomery	Illinois Commerce	Racepoint Energy
ABB	County	Commission	Rakon Energy
Adaptive Microgrids	Development Ventures	Illinois Institute of	Redstone Technology
Advanced Control Systems	DNV GL	Technology	Integration
Ageto Energy	Dobriansky Consultancy	Industrial Economics (IEc)	Ricardo Energy &
Air Voltaics LLC	Doosan GridTech	Inspire! Montana	Environment
Alaska Center for Energy and	Duane Morris LLP	Invenergy	RMIT University
Power	Duke Energy	itunePower Inc.	Robert H. Smith School of
Alliance for Rural	Dynamic Energy Networks	JGC Corporation	Business, University of
Electrification	Eaton	Kore Lithium	Maryland
AlphaStruxure	e-centricity, LLP	Krevat Energy Innovations	Rolls-Royce Solutions
Ameresco	EDF Renewable Energy	Lansing Board of Water &	America
American Public Power	EDI Capital	Light (LBWL)	RTI
Association	Edison Electric Institute	Lico Energy	S&C Electric Company
ARDA Power	Edison Energy	Lockheed Martin Energy	Saft America. Inc.
AutoGrid	Electrical Industry Group NW	Microgrid Institute	Sapling Financial
Blue Pillar	Electriq Power	Microgrid Design of	Scale Microgrid Solutions
Blue Planet Energy Systems	ELM FieldSight	Mendocino	Schneider Electric
Bluefin Energy Solutions Inc.	Elum Energy	Microgrid Knowledge	Schweitzer Engineering
Bluewave Resources	Emera Technologies	Modelon	Laboratories
Boice Dunham Group	EMerge Alliance	Montgomery County	SDG&E
Bowen Advisors	Enbala Power Networks	Department of General	Siemens
California Energy	Enchanted Rock	Services, Maryland	Skipping Stone
Commission	Energa Group	Morrison Foerster LLP	Smart Electric Power Alliance
California Public Utilities	Energy News Network	MPR Associates, Inc.	Smart Grid Energy Research
Commission	Energy+ Inc.	National Association of	Center, UCLA
Calpine Energy Solutions	Enernet Global	Regulatory Utility	Southern Company
Camden County Municipal	EnerVenue	Commissioners	Southland Industries
Utilities Authority	Envision Solar International	National Electrical	SparkMeter
Canadian Solar	Eos Energy Storage	Manufacturers Association	Sterling Energy Assets
Castello di Amorosa Winery	ERS	National Renewable Energy	Strathmore Energy Research
Cenfura Energy	ESPE Srl	Laboratory	Centre
Center for Climate and	Exelon	NaturEner USA	Sungrow Power Supply
Energy Solutions	e-Zn	New Sun Road	Sunverge Energy
ChargePoint	Federal Energy Regulatory	New York Independent	Taiwan Institute of Economic
Citizens Energy Corporation	Commission	System Operator	Research (TIER)
ComAp	Fermata Energy	New York State Smart Grid	Tesla
Commonwealth Edison	FREEDM Systems Center,	Consortium	Tetra Tech
ComRent	NC State	NextEnergy	Tridium
Concentric Power	Future Energy Advisors	North American Substation	Tuatara Group
Concord Engineering Group	GE Grid Solutions	Services	U.S. Army Office of
Concord Engineers	General Microgrids	North Carolina's Electric	Energy Initiatives
Connect California	Geronimo Energy	Cooperatives	U.S. Energy Information
Connected Energy	Global Common	Northern Alberta Institute of	Administration
Covanta	Gommyr Power Networks	Technology	Unison Energy
CPS Energy	GreenStruxure	Novartis	University of Idaho
CustomerFirst Renewables	GRIDIRON	Nuvve	University of Maryland
Customized Energy Solutions	Guidehouse Insights	NV5	University of Ottawa
CWL ENergy Management	Harvard University	Oceanus Power & Water, LLC	University of St. Thomas
Daegunsoft	Hatch	OMNETRIC Group	University of Wisconsin
DCfusion / EnSync Energy	Hitachi Systems Power	Pareto Networks	Milwaukee
District of Columbia Public	Services, Ltd.	Powerflex by EDF	West Monroe Partners
Service Commission	Husk Power Systems	Renewables	Willdan Energy Solutions
DEIF	Hydro-Quebec	PSE Innowacje	Winch Energy
	ICF	PXiSE Energy Solutions	World Bank
	I-EMS Group	Quebec Government Office	

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



"I enjoy this conference for its deeper discussions on grid and microgrid issues, new challenges, new opportunities, and changes in business models. This is not Microgrid 101. These are "graduate-level" microgrid discussions. Wonderful"

-- Steve Pullins, SVP, CTO, AlphaStruxure

"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

"Excellent conference. Nice balance of participants from utilities to vendors to consultants. Great cross-section of participants." -- Joel Jorgenson, CEO and President, BWR Innovations LLC

Event Partners



The [Clean Coalition](#) is a nonprofit organization whose mission is to accelerate the transition to renewable energy and a modern grid through technical, policy, and project development expertise. The Clean Coalition drives policy innovation to remove barriers to procurement and interconnection of distributed energy resources (DER) -- such as local renewables, energy storage, advanced inverters, and demand response -- and we establish market mechanisms that realize the full potential of integrating these solutions. In addition to being active in numerous proceedings before state and federal agencies throughout the United States, the Clean Coalition collaborates with utilities, community choice aggregators, municipalities, and other entities to create near-term deployment opportunities that prove the technical, economic, and resilience viability of local renewables and other DER. Visit www.clean-coalition.org



[Microgrid Institute](#) is a collaborative organization supporting development of microgrids and distributed energy assets around the world. Our efforts address market development and analysis, regulatory and financial models, and microgrid feasibility, structuring, and deployment.

Professionals on our staff and in our networks bring a broad range of experience in the utility, independent power, industrial cogeneration, and distributed energy industries.



The Demand Response Free Library was created in 2011 as a collection of articles, white papers, presentations, and reports designed to keep you educated and informed about the Demand Response Industry. Our DR leadership team has been involved in the market since before it was called DR. We have participated in market developments from the early stages of technology and market entrants, into the current phase of automation, consolidation, and market rule changes. Today we're seeing Smart Buildings, Grids, and Cities, and terms like DER, DERMS, and IoT...so we've grown our library to help you grow your knowledge.



[ABI Research](#), established in 1990, is a market intelligence company specializing in global technology markets. Our unique blend of quantitative forecasting and trend analysis helps us to quantify the important markets of today, define the strategic technologies of tomorrow, and provide insight on how technology is adopted into vertical markets. Our clients rely on our services to uncover key market metrics and trends that are compiled through a combination of hundreds of comprehensive stakeholder interviews per year, technical intelligence from teardowns, years of collective market experience, vendor contributed data and end user research. Visit www.abiresearch.com.

Media Partners



[Guidehouse Insights](#), the dedicated market intelligence arm of Guidehouse, provides research, data, and benchmarking services for today's rapidly changing and highly regulated industries. Our insights are built on in-depth analysis of global clean technology markets. The team's research methodology combines supply-side industry analysis, end-user primary research, and demand assessment, paired with a deep examination of technology trends, to provide a comprehensive view of emerging resilient infrastructure systems. Additional information about Guidehouse Insights can be found at www.guidehouseinsights.com.



AltEnergyMag.com is a dedicated online B2B publication featuring minute by minute news, daily hot stories, along with weekly articles, interviews and case studies featuring key issues about various Alternative Energy Technologies ... always at the cutting edge.



[Energy XPRT](#) is a global marketplace with solutions and suppliers for the energy sector, with product catalogs, articles, industry events, publications & more.

Sponsorship Packages

Gold Level

Value: \$5,500

- Top-level logo positioning on event website, agenda, on-site signage, in introductory comments, and in all marketing communications for the event
- Speaking slot (either stand-alone or part of a panel)
- Tabletop exhibit space
- Display page in Virtual Exhibits
- 3 complimentary conference passes
- 20% off additional registrations
- White paper or executive interview 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

Silver Level

Value: \$3,000

- Tabletop exhibit space
- 2 complimentary conference passes
- 15% off additional registrations
- Display page in Virtual Exhibits
- 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: \$2,000

- Display page in Virtual Exhibits
- 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
- Attendee List with contact information

Drink Reception Sponsor

Value: \$6,500

- Same deliverables as Gold Level above, plus recognition as official sponsor of the attendee drink reception on September 24 (via signage, tent cards, website and marketing materials)

To arrange your participation, contact: Daniel Coran, Program Manager
dcoran@smartgridobserver.com +1-815-310-3343

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.

Registration

Early Bird Standard Rate: Service providers, equipment and software vendors, consultants <i>(valid until August 23, 2024 - \$995.00 thereafter)</i>	\$895.00
Early Bird C&I microgrid owners, project developers and utilities <i>(\$895.00 after August 23)</i>	\$795.00
Early Bird academic, government and non-profit organizations <i>(\$795.00 after August 23. Note: edu, .gov, or .org email address required)</i>	\$695.00

Register securely online at <https://www.microgridinnovation.com/2024/register.htm>

