

Grid *FWD* 2020



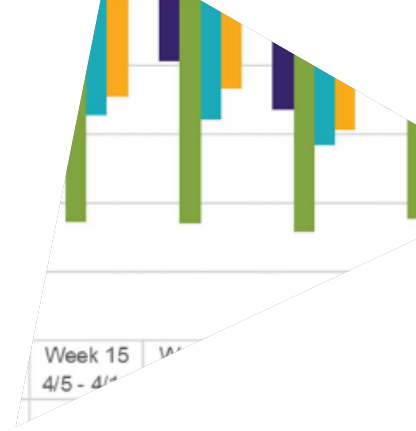
 **Virtual** **October 6-15** **GridFWD.com**

Learn more and register
at GridForward.org
#GridFWD

Program Guide

Focusing on Today's Grid Issues

GridFWD 2020 will once again bring together leading insights from a wide range of stakeholders to address the challenges and opportunities facing our energy community. This year we will explore the many changes, perspectives and solutions our regional stakeholders are pursuing to support not just reliable, affordable electric service, but also the welfare of our customers, co-workers and communities.



Power to the Community

Ensuring that grid innovation supports the progress our communities need

Resilient Systems

Exploring the technology solutions from deeper analytics and engaging customer portals to advanced controls and integrated platforms that help deliver better value and service to the community and customers.

Adaptable Models

Focused on the business model and related regulatory / policy frameworks that allow or encourage investments in the energy solutions to progress the outcomes that communities are most interested in.

Empowering People

How individuals at utilities and energy stakeholder companies can work more effectively to achieve the desired impact for customers and the wider community.

Elements of the Virtual GridFWD 2020

THOUGHT LEADERSHIP

General Sessions: Opening and closing presentations with all attendees, featuring special speakers, covering highlights of the various sessions, and more.

Case Studies: Quick sessions walking through key lessons from efforts recently completed or actively in motion.

Live Podcasts: Listen in, and submit your questions, during live podcast recording sessions with Grid Forward and other prominent energy policy and equity podcasts.

INTERACTIVE LEARNING

Theme Discussions: Lively discussions with industry leaders on the key topics of the day, organized by the three sub-topics of the event. Capped at 25 participants.

Debate Stage: Watch our dynamic debates and then cast your vote to help determine the winner.

DIRECT CONNECTIONS

Socials: Join small groups of attendees to discuss important issues and build connections during GridFWD 2020 Socials. We're scheduling them across a few breakfast, lunch and late afternoon time slots, so you can find one that fits your schedule and your interests.



Two Weeks of Opportunities to Drive Grid Modernization Forward

🕒 All times are Pacific Daylight Time.

AGENDA		 EMPOWERED PEOPLE	 RESILIENT SYSTEMS	 ADAPTABLE MODELS	 CASE STUDIES
WEEK 1		TUES, OCT 6	WED, OCT 7	THUR, OCT 8	FRI, OCT 9
07:00AM					
08:00AM					Live Podcast #2
09:00AM			Workforce Development and Diversity		Case Study #2
10:00AM		Opening Session with Live Podcast: Alice Jackson, Xcel Energy	Realizing the Untapped Potential of AMI	Technology to Build Resilience	Expanding Energy Network Resiliency
11:00AM			FERC Order 2222 with Jon Wellinghoff	Social	Creating Better Alignment Using the Resource Value Test
12:00PM		Debate: Does Deregulation Lead to Better Outcomes?	Case Study #1	Addressing New Electricity Norms & Enabling A Zero-Carbon Future	
01:00PM			Framing for Resiliency		Social
02:00PM		How Increased Grid Innovation Creates a More Equitable Future	Social	Social	
03:00PM		Social		Social	
04:00PM					
	MON, OCT 12	TUES, OCT 13	WED, OCT 14	THUR, OCT 15	WEEK 2
		E-mobility & Grid Flexibility	Regional Market Updates and Evolution		10:00AM
				Bringing Resilience to the Community Core	11:00AM
	Social			Social	12:00PM
	Social	Case Study #3			01:00PM
	Keeping the Customer at the Core in Scaling Flexible Demand Side Resources		Beneficial Electrification for All	Closing Session and Live Podcast # 4	02:00PM
	Debate: Ratepayers' Funding Innovation	Pathways to Dramatically Scaling Electrification	Targeted Generation and Storage		03:00PM
		Social			

Register for GridFWD 2020 and Virtually Join the Crowd

While our Thought Leadership sessions are open to all registrants, our Interactive Themed discussions are limited to 25 people. So register for GridFWD 2020 right away, and then make your way to GridFWD.com to sign in and choose the Engagement Sessions you want to participate in.

STEP 1

Learn more

Check out details of the GridFWD 2020 event and the Grid Forward organization.

STEP 2

Register

You get two weeks of sessions you can choose from for just **\$195**. If you work at one of our supporting organizations, skip this step, just let Sam know you are interested in participating.

STEP 3

Pick your sessions

When you receive your password, go to the GridFWD 2020 website to learn more about the sessions and choose the ones you want to participate in.

STEP 4

Meet your session participants

Our session leaders will send you a calendar invitation with log-in instructions, and invite you into preliminary discussions and information sharing to prepare for a valuable, interactive experience.

STEP 5

Join your virtual sessions

The sessions will be in your calendar, just click and go! You can always refer back to the schedule in the event website, GridFWD.com.

Supporting Wildfire Victims in Our Communities

Grid Forward, our members and community all send our thoughts and support to our neighbors impacted by wildfires in Washington, Oregon and California. For our part, we are donating \$20 of each registration to the Red Cross Northwest Response Fund, on top of our initial donation. Please consider a donation alongside what are providing as part of GridFWD 2020.

www.redcross.org/donate/cm/kgwmediagroup-pub.html/



**American
Red Cross**

Meet All the Attendees

Registered attendees can go to GridFWD.com and see all the participants on the Attendee page, as well as links to more information.





Featured Sessions and Live Podcasts

► **Register now.** Some sessions are already waitlisted.

OCT 6 10AM – 11:30AM PDT **Opening Session and Live Podcast Recording**

Our event opens with updates from utility leaders with communities most impacted by the recent wildfires.

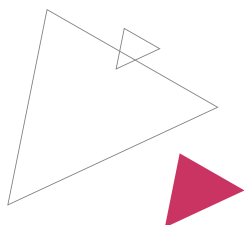
- **Scott Bolton**, EVP External Relations, PacifiCorp
- **Kevin Christie**, Chief Customer Officer, Avista
- **Frank Lawson**, GM, EWEB
- **John McFarland**, Chief Customer Officer, Portland General Electric

Then a prominent group of participants will introduce the key topics at GridFWD 2020.

- **Mark McGranaghan**, Vice President, Innovation, EPRI
- **Giovanni Bertolino**, Head of Emobility, Enel X
- **Andrea Reimer**, Governor, University of BC
- **Debra Smith**, CEO and General Manager, Seattle City Light

Live Podcast Recording: The Pathway to Carbon Free Electricity at Xcel Energy

- **Alice Jackson**, President of Xcel Energy Colorado
- **Bryce Yonker**, Executive Director, Grid Forward



OCT 6 12PM – 12:30PM PDT **Rate the Debate - Does Electricity Deregulation (Restructuring) Lead to Better Community Outcomes?**

Join us for a lively, interactive debate as Andy Stone of University of Pennsylvania and host of Energy Policy Now moderates a debate between Former Alberta Utility Commission Chair Mark Kolesar, taking the side that deregulation/restructuring is beneficial for community outcomes, vs. former Southern Company Policy VP Bruce Edelston who will debate that deregulation/restructuring does not lead to beneficial community outcomes. The audience gets to decide who made the most convincing case! So don't miss the chance to cast your vote.

- **Mark Kolesar**, former chair of the Alberta Utilities Commission
- **Bruce Edelston**, President, Energy Policy Group and former vice president of energy policy, Southern Company
- **Andy Stone** (moderator), host of the *Energy Policy Now* podcast and Senior Fellow, Kleinman Center for Energy Policy at the University of Pennsylvania.

OCT 7 10:45AM - 11:20AM PDT **What FERC Order 2222 Means for the Industry**

Jon Wellinghoff and Kelly Speakes-Backman dissect what the recent FERC 2222 order means for the industry: will it be transformative or transitional for distributed energy resources and the grid?

- **Jon Wellinghoff**, GridPolicy, Inc. and former Chairman of FERC
- **Kelly Speakes-Backman**, CEO of Energy Storage Association

OCT 9 7:30AM – 8AM PDT
Live Podcast Recording: Keeping People and the Community Value at the Core.

Start your day with the lively live podcast session lead by Paula Gold-Williams, President and CEO, CPS Energy in San Antonio Texas & Debra Smith, CEO/General Manager of Seattle City Light. Debra was one of our first podcast guests, and will now turn the tables and be the host for Paula as they explore *"Keeping People and the Community Value at the Core."*

- **Paula Gold-Williams**, President and CEO of CPS Energy
- **Debra Smith**, CEO/General Manager of Seattle City Light

OCT 15 1:00PM – 2:30PM PDT
Closing Session and Live Podcast Recording

Hear from key contributors featured through the event on what discussions really stood out, and catch some of the highlights you may have missed during GridFWD 2020 in a rapid fire line up.

Live Discussion: Creating the Grid We Need for Deep Decarbonization

Join our closing conversation hosted by **Hunter Lovins**, President, Natural Capitalism Solutions, joined by **Ralph Cavanagh**, Energy Program Director, Natural Resources Defense Council



Bruce Edelston
President
Energy Policy Group



Paula Gold-Williams
President & CEO
CPSEnergy



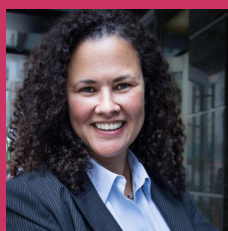
Alice K. Jackson
President
Xcel Energy Colorado



Mark Kolesar
Former Chair
Alberta Utilities Comm.



Debra Smith
CEO / GM
Seattle City Light



Kelly Speakes-Backman
CEO
Energy Storage Assn.



Andy Stone
Journalist and Host
Energy Policy Now



Jon Wellinghoff
Former Chair
FERC



Hunter Lovins
President Natural
Capitalism Solutions



Ralph Cavanagh
Energy Program Director
Natural Resources
Defense Council



Andrea Reimer
Governor
University of B.C.



Frank Lawson
General Manager
EWEB



► **Register now.** Some sessions are already waitlisted.

OCTOBER 7 - 1PM PDT

Framing for Resiliency: What it Looks Like to Build Stronger Systems

Let's kick off the Resilient Systems theme by debating what it looks like and how to bring resiliency into energy systems. From high level continent-wide models, to projects in practice within one territory, we will hear various perspectives to help further define the area and set the context for the following days' discussions that dive in deeper. Discussion leaders:

- **Heidi Caswell**, Director-T&D Asset Performance/ Wildfire Mitigation, PacifiCorp
- **Jason Fuller**, Technical Group Manager, Electricity Infrastructure group, PNNL
- **Mark McGranaghan**, VP, Innovation, EPRI
- **Rao Konidena**, Rakon Energy LLC [moderator]

OCTOBER 8 - 10AM PDT

Technology as a Platform to Build Resilience

How has the technology landscape matured to make it possible to implement resiliency efforts? We'll highlight the latest in the tech toolkit and discuss challenges that exist to put these areas into practice in the real world. Discussion leaders:

- **Erik Gilbert**, Director, Guidehouse
- **Alice Moy-Gonzalez**, SVP, Strategic Development, Anterix
- **Mark Paterson**, Chief Strategy Officer/MD for Australia/Pacific, Strategen
- **William Rambo**, Business Development Director at POWER Engineers

OCTOBER 9 - 10AM PDT

Expanding Energy Network Resiliency

Hear from leaders on the front lines of bringing deeper network resiliency to grid systems. From application of DERMS platforms to non-wires projects, join the discussion around what solutions are on the front edge of bringing deeper network resiliency on the distribution system.

- **Nikky Avila**, Grid Innovation, PG&E
- **Eleanor Ewry**, Supervisor Strategic System Planning, Puget Sound Energy
- **Katarina Miletijev**, Supervising Principal Distribution Operations Engineer, Distribution System Operations, SMUD
- **Shaun Moran**, Director, EN Engineering

OCTOBER 13 - 10AM PDT

E-mobility & Grid Flexibility

As the promise of electrified transportation accelerates, even in the face of the global pandemic, how should grid systems effectively integrate these assets? Beyond planning for and accommodating the increased demand on the system, this discussion will also examine some of the leading ways for electrified transportation to provide much needed grid flexibility.

- **Derek Jones**, Director Mobility, Guidehouse
- **Katie Lee**, Emobility Lead, EDF
- **Louis Ting**, Director of Power Planning & Engineering, Los Angeles DWP
- **John Taggart**, CTO, Weave Grid

OCTOBER 14 - 2PM PDT

The Dynamics of Targeted Generation and Storage as New Infrastructure

Adding assets to grid systems that provide deeper flexibility and resiliency are as much adjusted picture than it was even just a few short years ago. Hear best practices on how to look at new targeted generation and storage assets to pinpoint value the system needs most at certain locations.

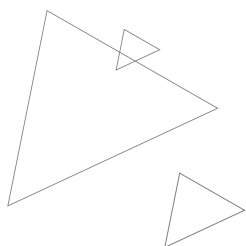
- **Sara Mullen**, Strategic Issue Lead, EPRI
- **Don McPhail**, President, Uplight [Moderator]
- **Sashwat Roy**, Technology & Policy Analyst, Renewable Northwest

OCTOBER 15 - 11AM PDT

Bringing Resilience to the Community Core

Whether structured as IOUs, or some flavor of public power, utilities have structured reliable power service at the core of community development for over a century. The dynamics of what communities are want in 2020 and beyond are lively. How do energy stakeholders provide resiliency solutions that best meet the needs of communities they serve? We'll explore this important topic in a frank discussion.

- **Jeni Hall**, Solar Project Manager, Energy Trust of Oregon
- **Jared Leader**, Manager Industry Strategy, SEPA
- **Don McPhail**, President, Uplight [Moderator]
- **Seth Mullendore**, Vice President Clean Energy Group



ADAPTABLE MODELS

OCTOBER 7 - 10AM PDT

Realizing the Untapped Potential of AMI

In some jurisdictions, utility regulators are denying or delaying AMI roll-outs, causing many in the industry to question the future of AMI. This session will explore, from various perspectives, how we got to where we are with AMI, how AMI can be transformed to serve as the hub of grid-edge operations, and how to reframe the question before regulators from "whether to allow utilities to invest in AMI" to "what should the AMI system be required to do." Discussion leaders:

- **Bryan Hannegan**, President & CEO, Holy Cross Energy
- **Marissa Hummon**, CTO, Utilidata [moderator]
- **Larry La Bolle**, Director, Avista
- **Jess Melanson**, President and COO, Utilidata

OCTOBER 8 - 12PM PDT

Addressing New Electricity Norms & Enabling A Zero-Carbon Future

How has the technology landscape matured to make it possible to implement resiliency efforts? We'll highlight the latest in the tech toolkit and discuss challenges that exist to put these areas into practice in the real world. Discussion leaders:

- **Kavya Balaraman**, Reporter, Utility Dive
- **Giovanni Bertolino**, Head of Emobility, Enel X
- **Kathy Knoop**, Energy Innovation Advisor, APS

OCTOBER 9 - 11AM PDT

Creating Better Alignment For Utilities and Regulators Using the Resource Value Test

Regulatory models traditionally focus on cost effectiveness rather than taking into account all of the many benefits a demand side management (DSM) program might entail, including carbon reduction, health benefits, comfort of customers and reliability. A more modern approach is applying the "Resource Value Test"(RVT) that allows regulators to take a multi-faceted approach based on the needs of their jurisdiction. As more utilities and regulators seek to cut carbon emissions, both parties need a regulatory framework that better aligns program performance and incentive structure. Discussion leader:

- **Tanuj Deora**, VP Market Innovation, Uplight
- **Angela Long**, Manager of Planning & Strategy, Portland General Electric
- Julie Michals, title, company coming

OCTOBER 13 - 2PM PDT

Pathways to Dramatically Scaling Electrification

Are we at the cusp of a revolution in the energy arena as new areas are significantly electrified? Or are entrenched institutional and consumer barriers going to impede this transition? This discussion will apply the principles articulated by the Rewiring America initiative within a unique regional context to understand the opportunity of radically scaling electrification of heating and the building stock as an example for the rest of the country - and the world.

- **Per Christian Honningsvåg**, Managing Director WW Power & Utilities Industry, Microsoft
- **Alex Laskey**, Founder & Executive Chair, Rewiring America
- **Brian Stewart**, CoFounder, Electrify Now

OCTOBER 14 - 10AM PDT

Regional Market Updates and Evolution

The growth of variable energy resources across WECC has created a set of challenges that existing market constructs are not equipped to deal with. This group will discuss how market evolution should appropriately compensate flexible resources and loads, address misalignment between states in carbon accounting, and ensure that sufficient physical supply is available to meet resource adequacy objectives. Discussion leaders:

- **Therese Hampton**, Executive Director, Public Generating Pool
- **Carl Linvill**, Principle, The Regulatory Assistance Project [moderator]
- **Mark Rothleder**, VP Market Quality, CAISO
- **Mary Wiencke**, VP Market, Regulation, & Transmission Policy, PacificCorp





► **Register now.** Some sessions are already waitlisted.

OCTOBER 6 - 2PM PDT

How Increased Grid Innovation Creates a More Equitable Future

Innovations in energy can drive solutions that not only advance the functionality of our grid systems, but address systemic financing and equity issues for communities. Dive in with us on the opening discussion for the Empowered People theme as we explore how expansion of grid modernization leads to better outcomes for the communities that rely so much on the energy that powers them. Discussion leaders:

- **Sara Chandler**, Director of Innovation, Equity & Access, Elemental Excelsior
- **Brandy Hyatt**, Operations Manager, VoteSolar
- **Andrea Reimer**, Governor, University of British Columbia
- **Debra Smith**, CEO and GM, Seattle City Light
- **Mischa Steiner**, CEO, Awesense

OCTOBER 7 - 9AM PDT

Workforce Development & Diversity

Putting communities at the center of energy transformation provides valuable insights to utilities, technology providers and policy makers about innovative grid-connected deployment strategies, business models, regulatory frameworks and workforce training efforts to support industry transformation and growth. Let's explore how expanded diversity in the energy ecosystem leads to better outcomes for all. Discussion leaders:

- **Denise Abdul-Rahman**, Regional Field Organizer, NAACP
- **Devin Hampton**, CEO, UtilityAPI
- **Josh Keeling**, Director, Cadeo
- **Joe Tellez**, CTO, Tacoma Power

OCTOBER 12 - 1PM PDT

Keeping the Customer at the Core in Scaling Flexible Demand Side Resources

Strategies for demand flexibility and automation of load responses can provide critical services required of a cleaner, more efficient energy future. Services can include demand response, T&D deferrals, and other energy market services, but how are these solutions done with the benefits to the customer considered at the core? Discussion leaders:

- **Jordan Folks**, Principle Consultant, Opinion Dynamics
- **Josh Keeling**, Director, Cadeo [moderator]
- **Garrison Marr**, Power Analyst, Snohomish County PUD
- **Nathan Shannon**, Deputy Director, Smart Energy CC
- **Sarah Vorpahl**, Senior Energy Policy Specialist, WA Dept of Commerce

OCTOBER 14 - 1PM PDT

Beneficial Electrification for All

Electric vehicles continue to grow in popularity as consumer and commercial customers make decisions on what products and charging solutions fit their needs. Customer and community designed solutions will be essential in the next phases of implementation. This discussion explores how programs and technology evolution and expansion can ensure access and benefits not just to people on the front end of the adoption curve but to all of our community. Discussion leader:

- **Emeka Anyanwu**, Energy Innovation and Resources Officer, Seattle City Light
- **Skip Dise**, Vice President of Product Management, Clean Power Research
- **Laura McCarty**, COO, Flex Charging



► **Register now.** Some sessions are already waitlisted.

OCTOBER 6 - 3PM PDT

How progress on equity can be a driver for innovation

Discussion leader: **Dana Clare Redden**, CEO, Solar Concierge

OCTOBER 7 - 1PM PDT

Beyond the business case, how does AMI benefit customers?

Discussion leader: **Joe Tellez**, CTO, Tacoma Public Utilities

OCTOBER 7 - 1:30PM PDT

Managing gigawatt scale wind to power zero-carbon data centers

Discussion leader: **Ralph Kappelhoff**, WW Power & Utility Solutions, Amazon

Ralph will be joined by two other Amazon people

OCTOBER 8 - 10:00AM PDT

How to ensure tribes aren't left behind in the transition to clean energy

Discussion leader: **Elizabeth Doris**, Principal Laboratory Program Manager: Tribal Program, National Renewable Energy Laboratory

OCTOBER 8 - 1:30PM PDT

How can energy policy and regulation support progress toward more equitable outcomes?

Discussion leader: **Letha Tawney**, Commissioner, Oregon Public Utility Commission

OCTOBER 8 - 3:00PM PDT

Can - or should - customer data be monetized...and if so, by whom?

Discussion leader: **Rich Barone**, VP Advanced Energy Transformation, TRC

Rich will be joined by Jim Harvey, TRC

OCTOBER 9 - 12:30PM PDT

How to stay the course in hard times

Discussion leader: **Emeka Anyanwu**, Energy Innovation and Resources Officer, Seattle City Light

OCTOBER 9 - 12:30PM PDT

How can variable pricing support low income communities?

Discussion leader: **Ahmad Faruqui**, Principal, Brattle

OCTOBER 12 - 12:00PM PDT
Broadband as a grid reliability tool

Discussion leader: **Mike Brozek**, SVP Technology, Anterix

OCTOBER 12 - 12:30PM PDT
How do you bridge the gap between utility DSM and distribution operations teams to effectively create and scale behind-the-meter DER programs?

Discussion leaders: **Michael McMaster**, APS

With **Tyler Rogers**, Energy Hub and **Tom Hines**, Tierra Resource Consultants

OCTOBER 13 - 12:30PM PDT
Is Distribution System Planning likely to lead us where we want to go, and what will it take to make it happen?

Discussion host: **Commissioner Mark Thompson**, Oregon Public Utility Commission

OCTOBER 13 - 3PM PDT
Deep electrification session continuation

Discussion leader: **Alex Laskey**, Rewiring America

OCTOBER 14 - 2PM PDT
What does resource adequacy mean in the NW moving forward?

Discussion leader: **John Ollis**, Manager of Planning and Analysis, Northwest Power and Conservation Council



"PGE remains committed to serving the needs of our customers and our community, both in responding to the COVID-19 crisis and building a smart, integrated grid. We look forward to collaborating with the broader industry on these goals and more at GridFWD 2020."

– MARIA POPE, CEO, PORTLAND GENERAL



► **Register now.** Some sessions are already waitlisted.

WED OCT 7TH - 11:30AM PDT

Keeping Critical Facilities Online with Resiliency Technical Assistance with Pacific Power and TRC

- **Erik Andersen**, Strategic Manager Emerging Tech, Pacific Power
- **Nate Larsen**, SR Project Manager, Pacific Power
- **Kate Hawley**, Associate Director, TRC

Ensuring Community Resilience through Utility Microgrids with Portland General Electric and PXiSE Energy Solutions

- **Jim Riehl**, Electrical Engineer, Portland General Electric
- **Hanna Grene**, Head of Commercial Development, PXiSE Energy Solutions

Using Distribution Automation to Manage Multiple DER Interconnections with Central Hudson Gas & Electric and Sensus

- **Kevin Post**, Central Hudson Gas & Electric
- **Ryan Yakush**, Central Hudson Gas & Electric
- **Ryan Chatel**, Sr. Product Manager, Sensus

FRI OCT 9TH - 9:00AM PDT

The Value of a Load Flexibility-based VPP in Achieving Secondary Reserve, Ancillary Services and Wholesale Market Trading Objectives with RWE and Enbala

- **Patrick Luig**, RWEST
- **Arthur "Bud" Vos**, President & CEO, Enbala

Blowing Past 100% Renewables - The Case for DERMS with NIE Networks and Oracle

- **Aaron Watson**, Near Time Systems Engineer at Northern Ireland Electric Networks
- **Tom Eyford**, Global Industry Specialist, OT Solutions at Oracle Utilities

What We Learned From One of the First in the World LEM Innovation Programs with Centrica and Amazon Web Services

- **Xing Wang**, CTO, Centrica Business Solutions
- **Ralph Kappelhoff**, Global BD, Power & Utilities, Amazon Web Services



Power to the Community

TUES OCT 13TH - 12:30PM PDT

The Chelan Chronicles: Seeking Deeper Analytics with Chelan PUD and Seeq

- **Jessica Blackburn**, Senior Software Developer, Chelan PUD
- **Natalie Baerlocher**, Senior Hydro Data Analyst, Chelan PUD
- **Peter Vanney**, Data Analyst, Chelan PUD

Driving Electrification through Community Engagement with PSE and Greenlots

- **Mackenzie Martin**, Sr Enterprise Risk Management Analyst, PSE

Fighting Wildfire with Artificial Intelligence with SDG&E and Accenture

- **Gabe Mika**, Digital Strategy and Innovation Leader, SDG&E

We Appreciate the Support of These Partner Organizations

Clearing up
Decentralized Energy Canada

Electronic Power Research Institute
(EPRI)

Grid Wise Alliance

Northwest Public Power Association
(NWPPA)

OpenADR

PLMA

Regulatory Assistance Project (RAP)

Smart Energy Consumer Collaborative

CABA

Calgary Economic Development

California Efficiency + Demand Management
(CEDMC)

Colorado Cleantech Industries Association

Strategen

Forth

GridLab

NEBC

Northwest Energy Coalition

Northwest Energy Efficiency Council (NEEC)

Renewable Northwest

UT Clean Energy

Utility Technology Council

VoteSolar

Western Energy Board

WRISE

We're Virtually In Love With Our Supporting Organizations



Premier



For 14 years, Amazon Web Services has been the world's most comprehensive and broadly adopted cloud platform. AWS offers over 175 fully featured services for compute, storage, databases, networking, analytics, robotics, machine learning and artificial intelligence (AI), Internet of Things (IoT), mobile, security, hybrid, virtual and augmented reality (VR and AR), media, and application development, deployment, and management from 77 Availability Zones (AZs) within 24 geographic regions. Millions of customers—including the fastest-growing startups, largest enterprises, and leading government agencies—trust AWS to power their infrastructure, become more agile, and lower costs.



Cadmus is a strategic and technical consultancy compelled to help solve the world's most challenging problems. We assemble outstanding teams of leading experts who work seamlessly across disciplines to help our clients achieve extraordinary results. From energy, water, and transportation to safety, security, and resilience—together, we are strengthening society and the natural world. Cadmus consultants serve government, commercial, and nongovernmental organizations around the world. Learn more at cadmusgroup.com.



Clean Power Research®

Clean Power Research® cloud software powers intelligent energy decisions, helping energy providers thrive in the face of market changes. We help our utility partners successfully launch and manage customer programs with solutions that engage and educate customers to drive program enrollment; efficiently administer DER and programs and beyond; and support critical planning and operational requirements. Spend a moment with us to learn about evAPP™, a comprehensive solution for optimizing transportation electrification efforts.



For more than 130 years, we've been powering the forward-thinking spirit of our region — keeping energy safe, reliable and responsibly generated. We are deeply committed to the success of the communities we serve and strive to bring innovative solutions to our customers and a clean energy future for Oregon. The future of energy is changing and we are leading the change. We're building a smarter energy infrastructure, providing our customers the clean energy they want, and bringing new energy solutions forward.



POWER Engineers, Inc. is a global consulting engineering firm specializing in integrated solutions for power delivery. As innovators, we encourage new ideas and fresh approaches. As trusted advisors, we help clients realize unique grid modernization solutions. These traits, combined with deep technical skill integrating renewable energy sources into electrical systems, allow us to deliver solutions that meet our clients' requirements for electric power resiliency and sustainability. With over 2,500 employees in 45 offices across the U.S., POWER provides a one-stop shop for engineering in today's rapidly changing market.



PUGET
SOUND
ENERGY

During our more than 145-year history one thing has remained constant: PSE's focus on safe, reliable, affordable energy service. And we're proud of our legacy: a commitment to great customer service and helping to make our communities better places to live and work. Beyond partnering to support our customers through this difficult time, our mission today is deep decarbonization and greenhouse gas emissions reduction. We were an early leader in addressing climate change, investing billions in renewable resources and energy efficiency for homes and businesses. Now, we are on the path to meeting the current and future needs of our customers and to deliver on the objectives of Washington's Clean Energy Transformation Act.



Seattle
City Light

Seattle City Light, a department of the City of Seattle, is one of the nation's largest municipally owned utilities, providing electricity to more than 460,000 customer meters, serving a population of more than 906,000 people in the greater Seattle metropolitan area. Over the years, we have worked very hard to keep Seattle's electricity affordable, reliable, and environmentally responsible. Today, City Light is a recognized national leader in energy efficiency and environmental stewardship. We pride ourselves on building a people-centric culture, partnering with our customers and communities to respond to their evolving energy needs in a changing world. As the first utility in the nation to provide carbon-neutral power in 2005, we are committed to investing in a sustainable future, and so are our customers. Through a diverse portfolio of projects, we will put these values into action by accelerating electrification, modernizing the grid, integrating renewables, and enabling equitable workforce development for the next generation of energy workers.



Sensus helps public service providers, including electric companies, cities, industrial complexes and campuses do more with their infrastructure to improve quality of life in their communities. With the FlexNet® communication network, utilities are able to fully leverage AMI—capturing data at every point of the grid to make better decisions. True two-way communications extend your capabilities to include distribution automation, demand response and distributed energy resources (DER) technologies. Learn more at www.sensus.com.



TRC. Advancing how the world gets made. Groundbreaking yet grounded business consulting and applied technology that help our clients design, power, connect and fuel the world forward. TRC provides advanced energy services for integrative across-the-meter management – through energy efficiency, demand response, and distributed energy resources. We partner with utilities, agencies and businesses to make energy visions actionable, from initial strategy through technical design and implementation. Our real-world experience and forward-looking perspective are just a few reasons clients continue to partner with us long after the first engagement.

Supporting



Thanks to Everyone Helping Us Deliver “Power to the Community”



Pulling off the virtual edition of GridFWD this year took support from so many people and organizations. We will certainly miss some who deserve a shout-out but we wanted to highlight folks that were central in making this possible.

CORE GRIDFWD 2020 TEAM

Thanks to the Grid Forward team that helped on everything from figuring out the virtual platform/tools to use and development of various marketing and summary materials to tackling how to figure our participation in many of our interactive discussions:

Cameron Brooks, Grid Forward / E9
Miki Carlton, Edelman
Teague Douglas, Former Ecobee
Rebecca Goold, 2R Group
Mark Ann Gray, Westside Secretarial
Gerard OSullivan, Grid Forward / AESC

Steve Parr, EN Engineering
David Smith, Grid Forward / Publitek
Kelly Strand, SnoPUD
Bryce Yonker, Grid Forward
Sam Zuckerman, Grid Forward / Prisma Energy

PROGRAM LEADS

Thanks to the crew that helped organize the discussions in the three core themes of the event this year.

Resilient Systems

Rao Konidena, Rakon Energy
Don McPhail, Uplight

Adaptable Models

Cameron Brooks, Grid Forward / E9
Steve Kerns, former BPA

Empowered People

Zach Henkin, Cadeo
Ronny Sandoval, Vote Solar

These folks helped us organize other equally important sessions.

Case Studies

Steve Parr, EN Engineering
Rich Barone, TRC
Elaine Markham,
Puget Sound Energy

Socials

Teague Douglas, Former Ecobee
Rich Barone, TRC
Miki Carlson, Edelman
Rebecca Goold, 2R Group
Josh Keeling, Cadeo
Kitty Wang, Energy Solutions

Volunteers

Isla Ziyat, SFU
Akin Arose, SFU

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Thanks again to the supporters who months ago saw the vision of taking the event to a virtual gathering and stood behind sharing resources to make it possible.

We also appreciate all the members of Grid Forward and our active community who shared ideas, made connections, and provided feedback for the areas of the event.

Briefing Creators

Finally, thank you to **Cadmus and Guidehouse** for your assistance in summary publications that will be shared soon after the event.

" At Seattle City Light, we look forward to this unique opportunity, in these unprecedented times, to collaborate on the best ways forward to support our communities and advance our regional energy goals. "

– DEBRA SMITH, GENERAL MANAGER
& CEO, SEATTLE CITY LIGHT

Grid *FWD* 2020



 **Virtual** **October 6-15** GridFWD.com

Learn more and register
at GridForward.org

Presented by:



Contact:

Bryce Yonker

Executive Director & CEO Grid Forward

Producer of GridFWD

bryce@gridforward.org

503.522.6101

Grid Forward is a 501(c)(6) non-profit, member-driven trade association dedicated to promoting and accelerating innovation on the regional electric system. We deliver community, expertise and resources for leaders who are working to modernize the grid. Learn more and become a member at GridForward.org.