

2018 Northwest Energy Resiliency Summit

Hosted by Smart Grid Northwest

Tuesday June 12th, 2018, 8:00am-4:15pm
Panoramic Room at the Pacific Tower, Seattle, WA

Registration at: bit.ly/NWERS



An in-depth exploration of the energy system resiliency in our region

Join Smart Grid Northwest and our community from across the region - Washington, Oregon, Idaho and BC - at the 2018 Northwest Energy Resiliency Summit. At this unique one-day meeting, you will participate in presentations, panel discussions and working sessions focused on helping regional stakeholders with developing resiliency solutions for energy systems in our region. This event will dig deep into some of our most critical topics: developing microgrids at critical facilities, preparing for cyber resiliency, asset monitoring, rapid restoration, all-hazard resilience, and finding metrics for tracking and quantifying resiliency efforts.

Join the Utilities, Agencies and Customers Leading the Charge

If you are involved with the Northwest energy system and concerned about progressing resiliency, don't miss this.

- Regional utilities working on resiliency issues
- Government agencies supporting preparedness planning and emergency response
- Providers with proven resiliency solutions
- Large industry and other critically impacted energy customers
- Other organizations who see energy continuity and security as essential

Most of the content will focus on the electrical system, but natural gas, water, transportation and other infrastructures will be addressed.

Registration is open, and attendance is limited to the first 150 to respond. Reserve your spot today.

Summit Agenda: Tuesday, June 12

8:00am	Registration and coffee
8:30 am	Opening Keynote: <i>Building Resiliency into Our Regional Energy System: The Big Picture</i> <ul style="list-style-type: none">Brigadier General Jeremy Horn, Commander of the Washington Air National Guard
9:00 am	Opening Panel: <i>Step One: Identifying and Mapping System Priorities</i> <p>Many infrastructure improvements may fall under the term “resiliency”. How do we choose which are most crucial for each of our organizations and for our larger system? From hardening our transmission and distribution infrastructure to identifying and prioritizing critical operations and planning for rapid asset recovery, this panel will lay out the foundational components for how to successfully begin resiliency planning based on the vulnerabilities that are most pertinent to our region.</p> <ul style="list-style-type: none">Moderator: Daniel Kirschen, Professor of Electrical Engineering, University of WashingtonLeon Kempner, Principal Structural Engineer, Bonneville Power AdministrationShamus Gamache, PE, Senior Systems Engineer, Central Lincoln PUDLt Colonel Chris Panush, Commander of the 194th Logistics Readiness Squadron WA National Guard
10:00 am	Working groups: <i>An Interactive, Problem-Solving Session</i> <p>We'll break out into groups for problem-solving with peers who face similar potential threat scenarios and discuss and share our efforts toward identifying priorities in the face of those. The emphasis will be on sharing strategies and lessons learned, so that every participant gains a better understanding of what they are really working toward with their own resiliency efforts and can identify some helpful peers to talk and collaborate with.</p>
10:30am	Break
10:45 am	Presentation: <i>Valuing Utility Resiliency Efforts</i> <p>BC Hydro will present how they've developed a process and metrics for investing in and valuing resiliency efforts as a utility. In addition to sharing the framework they've developed, they will host a candid discussion of the lessons they learned along the way and potential pitfalls to consider when embarking on this process.</p> <ul style="list-style-type: none">Fiona Taylor, Director, Smart Technology Operations & Restoration, BC Hydro
11:05 am	Presentation: <i>Metrics for Tracking Energy Resiliency Efforts</i> <p>PNNL joins the conversation with a discussion of the metrics they've developed for tracking resiliency efforts, sharing their progress and preliminary results from comprehensive work they are taking on with DOE and industry partners.</p> <ul style="list-style-type: none">Michael Kintner-Meyer, Staff Scientist, Pacific Northwest National Laboratory
11:30 am	Fireside Chat: <i>From the Regulator's Point of View: Valuing Energy Resiliency Efforts for the System and the Customer</i> <p>Representatives from the region offer an open and straightforward discussion from the regulators' vantage point on how to value resiliency efforts and how they see utilities able to justify expenditures that help strengthen regional energy systems.</p> <ul style="list-style-type: none">Adam Schultz, Senior Policy Analyst, Grid Integration & Resiliency, Oregon Department of EnergyMark Vasconi, WA Utilities And Transportation Commission
12:00 pm	Lunch Keynote Presentation: <i>Resiliency as a Core Function of the Energy System</i> <p>Cordova AK is taking major steps to ensure reliability of its islanded grid against harsh weather, cyber threats and dynamic grid conditions north of the 60th parallel. Hear Cordova Electric Co-Op CEO and town mayor Clay Koplín discuss all the elements involved in the DOE-funded RADIANCE project as they take microgrids and modernization to a new level.</p> <ul style="list-style-type: none">Clay Koplín, Chief Executive Officer, Cordova Electric Cooperative, Inc.

1:00 pm	<p>Panel: <i>Microgrids in Action at Critical Facilities</i></p> <p>Hear from both regional utilities and their community partners about the motivations and operations driving their specific deployments of microgrids. These case studies will span from solar microgrids at emergency shelters and community centers, to photovoltaics + battery storage for fast-charging EV stations, and more. Join the discussion as we dive into how microgrids can be a valued resource in the NW.</p> <ul style="list-style-type: none"> Moderator: Sudipta Lahiri, Senior Consultant - Energy Advisory, DNV GL Kim Dotto, BCIT Tyler Nice, Eugene Water & Electric Board Uzma Siddiqi, Seattle City Light
1:45 pm	<p>Panel: <i>The Time is Now: Strategies for Boosting Cyber Resiliency</i></p> <p>Cyber threats against the electric grid seem to be regular headline news. Get the latest insights into the critical issues surrounding cyber resiliency for the grid. A diverse panel of industry experts will explore real-world, regional examples of making energy systems more resilient to fast-evolving cyber threats.</p> <ul style="list-style-type: none"> Moderator: Steve Parker, President, EnergySec Colonel Ken Borchers, Commander of our 252 Cyber Operations Group WA National Guard Robert Landavazo, Systems Engineer, Tripwire Jessica Matlock, Director of Government and External Affairs, Snohomish County PUD Paul Skare, Chief Cyber Security Program Manager, PNNL
2:30pm	Break
2:45 pm	<p>Panel: <i>Faster Storm and Disruption Recovery Through Distribution Automation</i></p> <p>Join a technical discussion about the effective distribution automation technologies that utilities are implementing for storm and disruption rapid recovery. From smart meters that perform onsite diagnostics to automated feeder switches, smart relays, fault indicators and more, utility representatives discuss which DA technologies are the most effective and how they are implemented to ensure quick recovery.</p> <ul style="list-style-type: none"> Curt Kirkeby, Technology Strategist and Engineer, Avista Tuan Tran, Director of Engineering, Seattle City Light
3:30 pm	<p>Panel: <i>Advanced Monitoring for Real-Time Awareness and System Optimization</i></p> <p>Many solutions exist to maximize energy system optimization and increase real-time monitoring of critical assets. Hear about diverse solutions that are bringing transformative technologies to the grid that can be effectively applied here in the NW.</p>
4:15pm	Closing

Resiliency Assets Tour | June 11 | 1:00-4:00pm

Seattle City Light has invested in a number of solutions to build resiliency into the energy system in the Seattle area. Join a special discussion starting from the Seattle Municipal Tower followed by a site tour of recent investments for a major substation. Tour limited to 40 participants. Walking for those able (about 1 mile) with driving option for those interested. Details confirmed after registration.

Annual Meeting and Networking Social

All participants of the Summit are welcome to attend the Smart Grid Northwest Member Meeting and the hosted Networking Reception the day before, June 11th, from 4:30pm to 8pm. Annual Meeting program to be confirmed soon and social will have full hosted bar and heavy appetizers. Join us for the perfect way to meet people joining the discussion before the Summit kicks off.

World Trade Center Seattle – Holland America Line Room
 2200 Alaskan Way, Suite 410
 Seattle WA 98121

Join The 2018 NW Energy Resiliency Summit

We encourage you to join the Smart Grid Northwest community and our partners and friends at the 2018 Northwest Energy Resiliency Summit. It promises to be a full day of information, discussion and networking with like-minded industry leaders. If you have a specific topic or experience you'd like to contribute, please contact Executive Director Bryce Yonker at by@smartgridnw.org by April 28.

All participants of the Summit are welcome to attend the Smart Grid Northwest Member Meeting and Networking Reception the day before, June 11th, from 4:30pm to 8pm. And of course, we'd love to have your organization become a member of Smart Grid Northwest. Learn more at www.smartgridnw.org.

Many Thanks to Our Sponsors

If you'd like to help support the event, please contact Executive Director Bryce Yonker at by@smartgridnw.org.



Portland General Electric



Seattle City Light



Supporting Organizations

- BC Hydro
- Bonneville Power Administration
- EnergySec
- Idaho National Labs
- New Buildings Institute
- NW Energy Coalition
- Oregon Department of Energy
- Pacific Northwest National Laboratory
- Smart Buildings Center
- Snohomish County PUD
- University of Washington
- Washington National Guard

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1200 12th Ave S., Seattle, WA 98144

For directions to the Pacific Tower and information regarding onsite parking, please visit: pactower.org/directions/

Summit Sponsorship - \$3,000

- 3 passes to the event
- Table space at the event venue, if desired (Details TBD)
- Recognition in marketing materials (brochure, signage, website, emails, etc.)
- Mention during introduction, lunch and other breaks
- Ability to actively help shape the program and confirmed speakers
- Invitation to VIP activity (Details TBD)
- List of attendees (before and after event)

Registration at: bit.ly/NWERS



Smart Grid Northwest is a trade association with a mission to promote, grow and enable the smart grid industry and infrastructure in the Pacific Northwest. We are focused on creating an environment that encourages smart grid industries to thrive while also promoting the deployment of smart grid solutions across the Northwest. For more information, visit www.smartgridnw.org.