

THE ENERGY-ENVIRONMENT FUTURE:
A SUMMIT EXPLORING PACIFIC NW OPTIONS
NOVEMBER 1, 2019



All Summit sessions take place in rooms 120-124, unless otherwise noted.

8:00-8:45 am	Registration and Continental Breakfast	Lobby and outside Summit meeting room, 120-124
8:50 am	Welcome: Advancing the energy and environment discussion and action agenda	Dr. Nagi Naganathan, President, Oregon Institute of Technology
9:00-9:55 am	Preparing for the Big One: Energy Resiliency after a Natural Disaster or Cyber Attack	<p>Given past and recent experiences with natural and manmade disasters as well as grid penetration by unfriendly sources, energy resiliency and restoration during and after a disaster is a major concern that must be addressed within the industry and among academics. Do Pacific NW energy providers have disaster recovery plans in place in the event of a major earthquake, tsunami, flood, wind storm or other natural disaster? And what have providers done to protect against cyber threats and crimes from terrorists or unfriendly countries or forces to ensure our electric grid is protected? What are the risks? Where are the gaps?</p> <p>Moderator/Speaker: Skip Newberry, Treasurer, Oregon Cybersecurity Advisory Council, President & CEO, Technology Association of Oregon</p> <p>Panelists: Janine Benner, Director, Oregon Department of Energy; Dan Orzech, General Manager, Oregon Clean Power Cooperative; Sanman Rokade, Manager, Transmission GridOps-Energy, PacifiCorp</p>
10:00- 10:55 am	Keynote Address	<p>Maria Pope, President and CEO, Portland General Electric (PGE)</p> <p>Dr. Nagi Naganathan, President, Oregon Tech: Introduction of Ms. Pope</p> <p>Preparing for the state’s and region’s energy future through innovation, collaboration, and diversification of energy sources and solutions.</p> <p>Moderator: Michael Colgrove, Executive Director, Energy Trust of Oregon</p> <p>Respondents: Annika Andersen, Reclaimers Team, Statewide Winner at InventOR 2019; Catalyze Klamath Falls University-wide Winner 2019; and Renewable Energy Engineering Student, Oregon Tech (Class of 2020); Ian Riley, Renewable Energy Engineering Student, Oregon Tech</p>
11:00-11:55 am	The Carbon Landscape: Forests, Biomass and Carbon Mitigation	<p>Timber harvests, invasive woody species and wildfire risk reduction generate significant biomass waste that is typically piled and burnt. These forest residues lack a direct market value as wood or fiber products yet represent biomass that can be utilized for energy production in bioenergy plants such as torrefied wood pellets, and biochar in agriculture which increases productivity while sequestering carbon and other potential value added products. Can small ventures currently in place be up-scaled and what is their potential? Is this only feasible for rural areas in the NW, or are there broader applications?</p> <p>Moderator/Speaker: Dr. Jherime Kellerman, Associate Professor, Environmental Sciences Program Director, Oregon Tech</p> <p>Panelists: John Miedema, Founder, Northwest Biochar Initiative/ Biological LLC; Jim Archuleta, Soil Scientist, U.S. Forest Service; Meagan Hartman, Project Development Manager, Wisewood Energy</p>
12:00-12:50 pm	Lunch break and engagement options	Attendees can grab a boxed lunch as well as take advantage of one or more lunch time activities such as campus tours, student innovation displays, vendor expo, and networking.
1:00-1:55 pm	No Peoples Left Behind: Environmental Justice for Underserved Communities	<p>In the places where communities live, work, and play, environmental justice focuses on community health and well-being, peoples’ connection to place, and activism and policy advocacy that addresses inequities in environmental impacts. What are organizations doing or should do to consider use, access and distribution of energy projects and programs for lower-income and under-served populations, in both urban, rural and tribal areas in Oregon and the Pacific NW? While these access issues present challenges, they also present opportunities to come together as collective environmental and energy stewards, and to promote healing in those communities that the majority population has often left behind in energy and sustainability discussions, policy and practice.</p> <p>Moderator/Speaker: Jaimes Valdez, Portland Clean Energy Fund Team, City of Portland Bureau of Planning & Sustainability</p> <p>Panelists: Amy Berg-Pickett, Senior Community Engagement Manager, Cypress Creek Renewables; Abe Fouhy, Renewable Energy Faculty, Clackamas Community College; H. J. Corsair, Associate Professor, Renewable Energy Engineering, Oregon Institute of Technology</p>

2:00-3:00 pm	Power up, Power on, Power everywhere: Energy Storage, Recycling and Distribution Approaches for Today and Tomorrow	<p>Renewable energy is no longer an upstart alternative, but a primary source of new generation. As more of our power comes from wind, solar and other intermittent resources, utilities will need new technologies and approaches to balance the distribution grid. What are industry, academia and government doing to support the development and deployment of battery storage and other distributed energy resources that will allow utilities to integrate more renewable energy into a smarter, more flexible grid? Energy storage and other sources of grid flexibility will be explored, with a focus on the state of the technology, policy and industry in the Pacific Northwest.</p> <p>Moderator/Speaker: Dave McClelland, Senior Project Manager for Solar, Energy Trust of Oregon</p> <p>Panelists: Eklas Hossain, Assistant Professor, Electrical Engineering & Renewable Energy, Oregon Tech; Angela Crowley-Koch, Executive Director, Oregon Solar Energy Industries Association; Kyle Jenkins, Graduate Student, Energy Storage Initiative and Teaching Assistant, Renewable Energy Engineering, Oregon Institute of Technology</p>
3:10-3:55 pm	What’s Next in the Northwest’s Energy and Environment Future?	<p>How can we as an energy and environment community unite and collaborate on the important conversations about the Northwest’s energy future? What does the public care about? Can we move the state towards a better balance of energy sources? Who are the natural conveners? What role does climate change have in acknowledging need for change and designing our next generation energy sources and systems? How are we preparing the next-generation of our energy/environment workforce to be good stewards and innovators in the field? How do we work together to ensure a clean, healthy environment for future generations and support the diversity of the Northwest’s clean energy providers?</p> <p>Moderator/Speaker: Pete Danko, Energy Industry Reporter, Portland Business Journal</p> <p>Panelists: Fred Ziari, President of IRZ, ezWireless, and Zeco; Mason Terry, Executive Director, Oregon Renewable Energy Center; Kristi Lebkowsky, Science and Engineering Teacher, Henley High School, Klamath Falls</p>
4:00 – 4:10	Closing Remarks	Speakers: Dr. Joanna Mott, Provost, Oregon Tech

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