

WA Climate Assembly
Learning Session 5
Saturday, January 30, 10:00am-1:00pm
Presenter Materials

The presenters have provided their bios, summaries of their presentations, and additional educational materials in advance of their presentations. Review of these materials is optional, but recommended.

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Eileen Quigley

Founding Executive Director of the Clean Energy Transition Institute
Expert Presenter

Greenhouse Gas Emissions Reductions Pathways

Learning objective: Learn about WA GHG emission sources and the possible pathways for emissions reduction.

About Eileen:

Eileen V. Quigley is the Founding Executive Director of the [Clean Energy Transition Institute](#), which advances strategies to achieve deep decarbonization in the Northwest. Her career spans eight years as a journalist covering politics and business in Washington, DC and New York City; 10 years in the high-tech industry in Seattle; and 20 years as a nonprofit manager. She worked at Climate Solutions from 2009-2016; is the author of [several papers](#) on clean energy solutions; and co-taught a course on the clean energy transition at Western Washington University. Eileen received her MS in Journalism from Columbia University and BA in Literature from Yale University.

Presentation summary:

Eileen's presentation will explore Washington State's greenhouse gas emission sources; modeling results of the five key deep decarbonization pathways for the Northwest; and possible pathways for emissions reduction in the state.

Nancy Hirsh

Executive Director for the NW Energy Coalition
Expert Presenter

Energy Policies

Learning objective: Learn about the ins and outs of energy of WA state (infrastructure, energy sources, utilities, etc.) and the role that they can play to reduce statewide GHG emissions.

About Nancy:

Nancy Hirsh is Executive Director for the NW Energy Coalition. Nancy directs the Coalition's efforts to enhance investments in energy efficiency, renewable resources, and low-income energy services through work with utilities, commissioners,

regulators, and legislators. She serves on the board of Renewable Northwest and the Centralia Coal Transition Board. She is also on the advisory committee for the Institute for Energy Studies at Western Washington University. From 1996 through 2014 she served as the Coalition's policy director. Before joining the Coalition, she spent twelve years in Washington, DC working on national energy policy issues for the Environmental Action Foundation and the National Wildlife Federation. She lives in Seattle with her husband, children and dog. When not advocating clean energy solutions, she is an avid backpacker and hiker.

The NW Energy Coalition is an alliance of more than 100 environmental, civic, and human service organizations, progressive utilities, and businesses in Oregon, Washington, Idaho, Montana and British Columbia. We promote development of renewable energy, and advance energy efficiency, consumer protection, low-income energy assistance, and fish and wildlife restoration on the Columbia and Snake rivers.

Kate Simonen

Executive Director of the Carbon Leadership Forum

Professor and Chair of the Department of Architecture at the University of Washington

Expert Presenter

Building Decarbonization

Learning objective: Learn about the role of buildings and its contributions to statewide emissions and opportunities for decarbonization and climate mitigation.

About Kate:

Kate Simonen, AIA, SE is the executive director of the Carbon Leadership Forum and Professor and Chair of the Department of Architecture at the University of Washington. Connecting significant professional experience in high performance building design and technical expertise in environmental life-cycle assessment she works to spur collective action to bring net embodied carbon to zero through cutting-edge research, cross-sector collaboration, and the incubation of new approaches. Kate directs the research of the Carbon Leadership Forum and convenes collaborative initiatives such as the Embodied Carbon in Construction Calculator (the EC3 tool) and the Structural Engineers 2050 Challenge.

Presentation summary:

Buildings contribute significantly to global and statewide greenhouse gas emissions. Policies are key to ensuring that buildings use less energy, that the energy used in buildings is cleaner, and that the use of low carbon, sustainable building materials are used to construct new buildings. These are all significant and urgent opportunities to reduce Washington's climate impact.

Optional additional materials:

- <https://carbonleadershipforum.org/clf-policy-toolkit/>
- Please see other attached PDFs

Andrea Axel

Executive Director of Spark Northwest

Expert Presenter

Community Energy Planning

Learning objective: Learn about community energy planning and the statewide policies that support and make them successful and what opportunities the state can play to create more community energy resilience.

About Andrea:

Andrea is passionate about bringing clean energy to the Pacific Northwest in partnership with local communities. She leads Spark Northwest's policy work to remove barriers and open doors for equitable deployment of renewable energy. Prior to joining Spark Northwest Andrea directed a statewide social justice grant program. She is an attorney who has represented public health entities and families seeking affordable housing. Andrea is experienced advocating for systemic change, building public-private partnerships and bringing communities together to align strategy around common goals. She received her J.D. from the University of Michigan and her B.A. from Stanford University. She is also a graduate of the Equal Justice Leadership Academy, which hones advocacy skills to address racism and poverty. In her spare time these days she can be found exploring West Seattle, searching for the perfect combination of Sound views and microbrews.

Presentation summary:

What does the transition to clean energy look like for communities in Washington? Andrea Axel of Spark Northwest will highlight real-life stories of groups seeking clean energy solutions, showing what went wrong and right. How can those lessons learned be translated into better policies?

Annabel Drayton

Policy Associate at the NW Energy Coalition

Expert Presenter

Transportation and the Energy Sector

Learning objective: Learn about the role of the transportation sector and its contributions to statewide emissions and opportunities to decrease emissions in the transportation sector.

Presenter information coming soon.

Representative Joe Fitzgibbon and Ali Lee

Washington House of Representatives (Rep. Fitzgibbon)

Co-Chair of the Climate Reality Project (Ali Lee)

Interested Party Presenter

Clean Fuel Standards

Learning objective: Learn about the Clean Fuel Standards and how it can support GHG emissions and climate mitigation.

Presenter information coming soon.

Pedro Valverde

Kitsap Environmental Coalition

Interested Party Presenter

Local Action in Renewable Energy

Learning objective: Learn about local perspectives on renewable energy.

About Pedro:

Pedro is a retired professional electrical power and renewable energy engineer licensed in Washington State. Native South American born in Perú. He migrated to the USA in 1965. He studied electrical engineering and graduated from University of

Washington, Seattle. Degrees: BSE and MSE. Pedro has worked in Green House Gases decarbonization projects in both the USA and in Perú.

Presentation summary:

In this presentation I briefly describe the reasons why we are experiencing the global warming of planet Earth and its effects on Washington State. With the objective of reducing emissions of greenhouse gases, a.k.a CO2 gas, the roadmap for a decarbonization plan suggested by the 2015 Paris Agreement is applied to this State. The preliminary legislative work to accomplish such a plan is reviewed, and the utilization of renewable energy is acknowledged so that the State decarbonization may reach zero CO2 emissions by year 2050. I end this presentation suggesting the amending of current legislation or the creation of new policies that maybe added to the current CO2 decarbonization legislation. To assist with CO2 sequestration issues of the project, in an attached document, and on behalf of my institution, the Kitsap Environmental Council, I also present to the Assembly, a petition for a 10 year moratorium on clear cutting logging of Washington State forests.

Optional additional materials/references:

- Troposphere <https://scied.ucar.edu/shortcontent/troposphere-overview>
- Earth's Surface Temperature
<https://www.carbonbrief.org/explainer-how-do-scientists-measure-global-temperature>
- <https://www.ipcc.ch/sr15/chapter/spm/>
- World Population <https://www.worldometers.info/world-population/>
- Green House Gases
<https://ecology.wa.gov/Air-Climate/Climate-change/Greenhouse-gases>
- Global Emissions of CO2
<https://www.iea.org/reports/global-energy-review-2020/global-energy-and-co2-emissions-in-2020>
- Major countries emitters of CO2
<https://www.iea.org/reports/global-energy-review-2020/global-energy-and-co2-emissions-in-2020>
- The Paris Agreement
https://becauseipcc.thesuccession.ca/what-is-the-paris-agreement-and-whats-the-science-behind-it/?gclid=EAlaIqobChMIks3e7aOz7gIVTMqzCh1ChA29EAYAiAAEgIKEfD_BwE
- IPCC <https://www.ipcc.ch/>
- Washington State Sources of CO2 Emissions
<https://www.commerce.wa.gov/wp-content/uploads/2020/12/Appendix-B.-WA-SES-EER-DDP-Modeling-Final-Report-12-2-2020-1.pdf> Page 14.
- WA State Decarbonization Plan Per Paris Agreement IPCC Roadmap
<https://www.commerce.wa.gov/wp-content/uploads/2020/12/Appendix-B.-WA-SES-EER-DDP-Modeling-Final-Report-12-2-2020-1.pdf> Page 15.

- CETA, Clean Energy Transformation Act of 2019
<https://www.commerce.wa.gov/wp-content/uploads/2020/02/CETA-Overview.pdf>
- WA State Dept of Commerce
<https://www.commerce.wa.gov/growing-the-economy/energy/cetA/>
- WA State Utilities and Transportation Commission
<https://www.utc.wa.gov/regulatedIndustries/utilities/energy/Pages/energyResourcesComprehensive.aspx>
- 7 Types of Renewable Energies
<https://justenergy.com/blog/7-types-renewable-energy-future-of-energy/#:~:text=Renewable%20energy%20is%20energy%20that,less%20harmful%20to%20the%20environment.>
- Dept of Energy EERIE
<https://www.energy.gov/eere/office-energy-efficiency-renewable-energy>
- State and Local Incentives for Renewables
<https://www.energy.gov/eere/buildings/state-and-local-incentives>
- LATEST EXTENSION OF CLEAN ENERGY TAX CREDITS
https://www.renewableenergyworld.com/2021/01/04/last-minute-stimulus-deal-in-us-extends-clean-energy-tax-credits/?utm_medium=email&utm_campaign=2021-01-06&utm_source=rew_weekly_newsletter
- PACIFIC NORTHWEST ELECTRICAL UTILITIES
<https://www.utc.wa.gov/regulatedIndustries/utilities/energy/Pages/energyResourcesComprehensive.aspx>
- Proposed Renewable Energy Plants in the Pacific NW
<https://www.nwcouncil.org/energy/energy-topics/power-supply>
- Renewable Energy and Jobs
<https://www.greenbiz.com/article/vote-clean-energy>