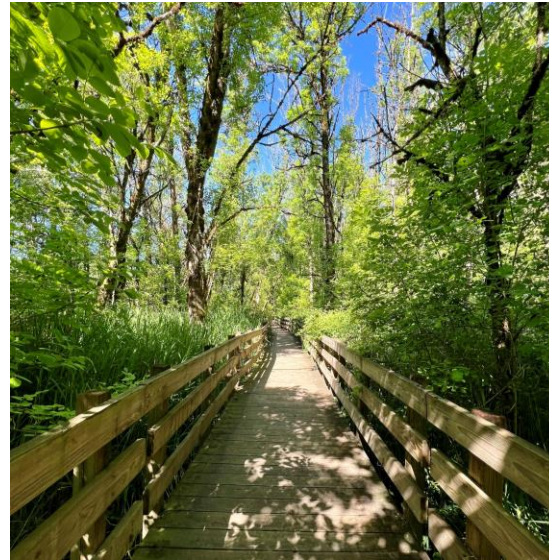


Oregon Department of **ENERGY**

**Oregon Energy Strategy
Policy Working Group**
Environmental Justice
and Equity
Breakout Session #2

Lauren Rosenstein and
Mary Kopriva
February 24, 2025





OREGON DEPARTMENT OF ENERGY

Leading Oregon to a safe, equitable, clean, and sustainable energy future.

Our Mission

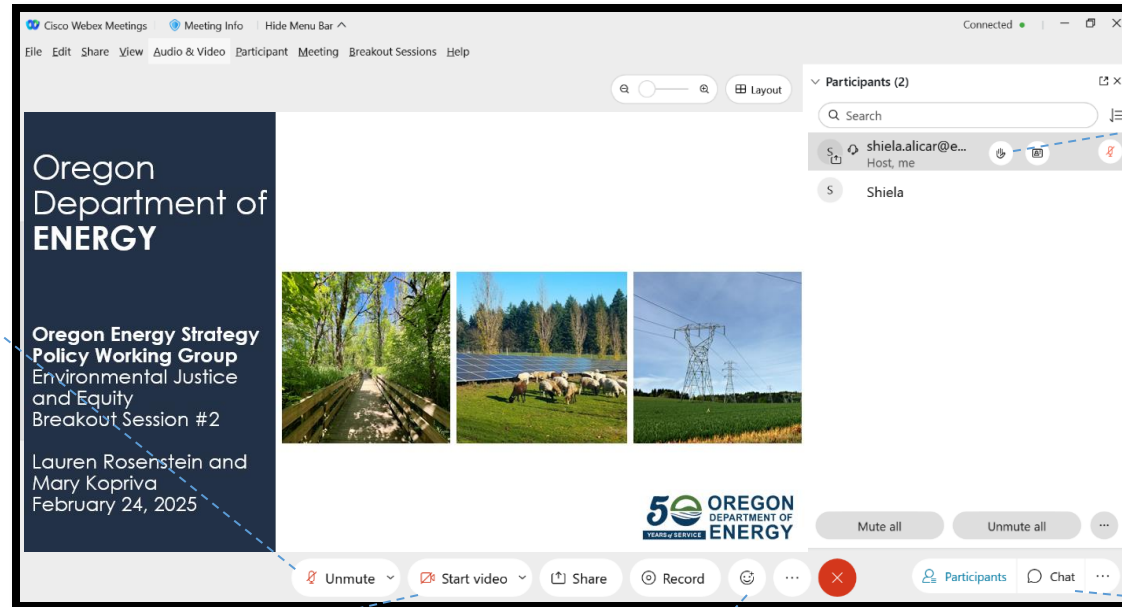
The Oregon Department of Energy helps Oregonians make informed decisions and maintain a resilient and affordable energy system. We advance solutions to shape an equitable clean energy transition, protect the environment and public health, and responsibly balance energy needs and impacts for current and future generations.

What We Do

On behalf of Oregonians across the state, the Oregon Department of Energy achieves its mission by providing:

- A Central Repository of Energy Data, Information, and Analysis
- A Venue for Problem-Solving Oregon's Energy Challenges
- Energy Education and Technical Assistance
- Regulation and Oversight
- Energy Programs and Activities

USING WEBEX



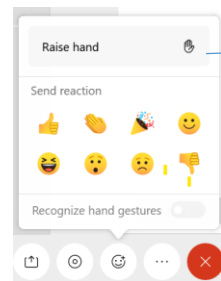
Audio Options

- Mute *Microphone On*
- Unmute *Microphone Off*

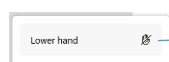
Video Options

- Stop video *Webcam On*
- Start video *Webcam Off*

Reactions



Click to Raise your hand.

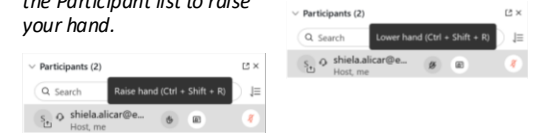


Click on Lower hand when you are done.

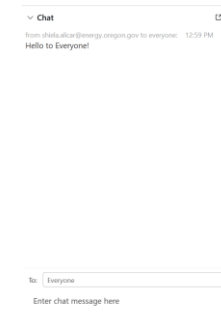
Second Raise Hand Option

You can also click on the hand next to your name in the Participant list to raise your hand.

Click on Lower hand when you are done.

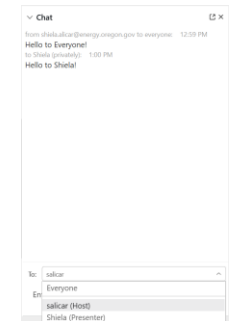


Chat



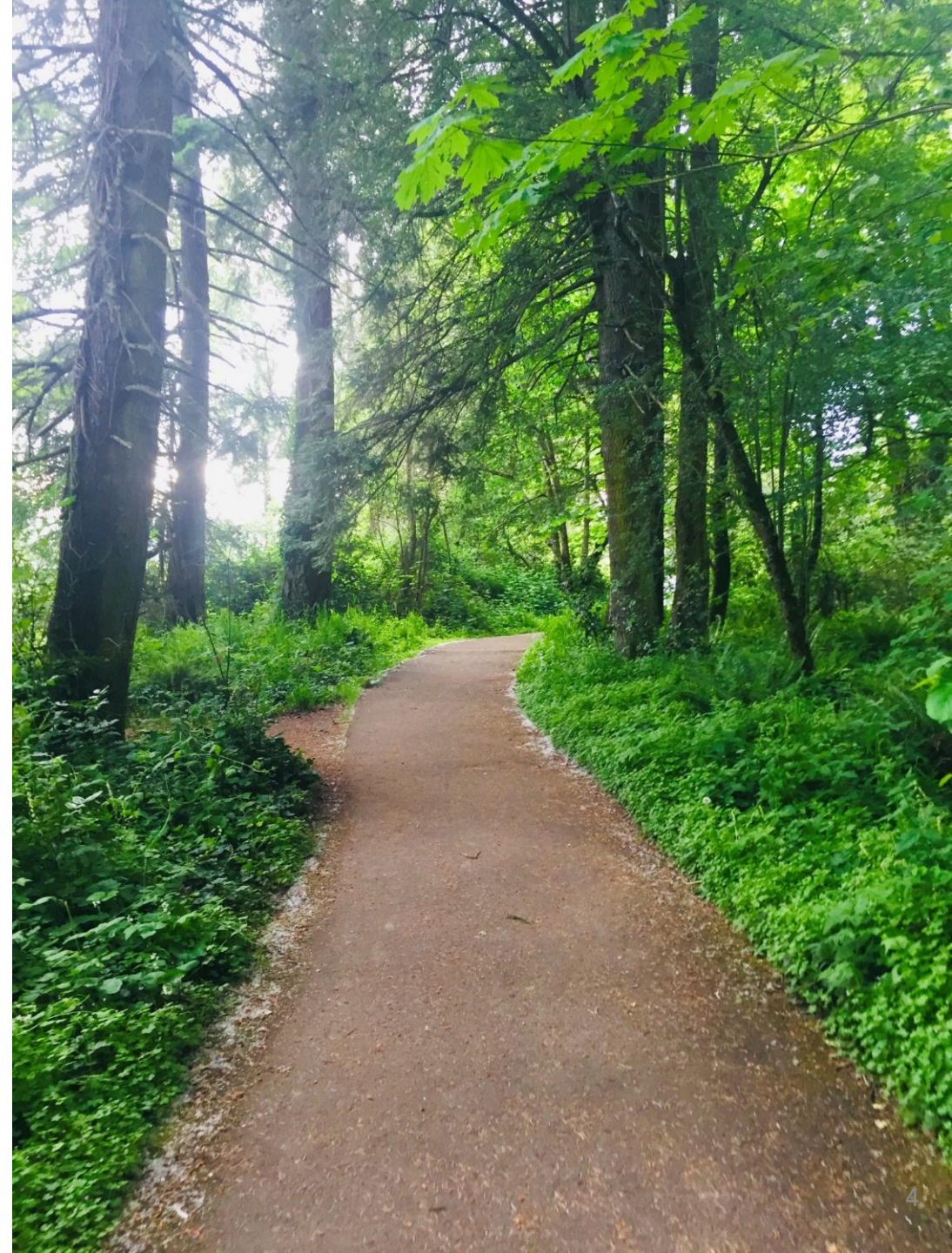
You can chat to Everyone in the meeting.

You can send a private message to the Host or Presenter (or all Panelists when there is a Panel).



Working Group Purpose

To elevate the concerns, barriers, solutions, and areas of interest within the field of environmental justice and equity to support the development of policy recommendations for the Oregon Energy Strategy.



MEETING OBJECTIVES

- Build relationships with fellow working group members
- Ground our work in shared definitions
- Discuss and unpack breakout rooms and topics
- Identify key areas of focus for next meeting



AGENDA

| | | |
|------------|---|---|
| 9:00 a.m. | Welcome and agenda | Lauren Rosenstein Community Equity and Inclusion Analyst |
| 9:05 a.m. | Introductions: Name, pronouns (if you're comfortable), organization, what policy area are you excited to talk about | Lauren Rosenstein Community Equity and Inclusion Analyst |
| 9:30 a.m. | Grounding our conversations | Lauren Rosenstein Community Equity and Inclusion Analyst |
| 9:50 a.m. | Discussion: Key takeaways and identifying future areas of focus | Lauren Rosenstein Community Equity and Inclusion Analyst |
| 10:50 a.m. | Upcoming meetings and next steps | Lauren Rosenstein Community Equity and Inclusion Analyst |

WORKING GROUP MEMBERS

| ORGANIZATION | NAME |
|--|--------------------|
| Beyond Toxics | Zachary Mulholland |
| BlueGreen Alliance | Ranfis Villatoro |
| Breach Collective | Nick Caleb |
| Coalition of Communities of Color | Nikita Daryanani |
| Community Energy Project | Greer Klepacki |
| Community Energy Project | Siraat Younas |
| Confederated Tribes of Warm Springs | Edison Elizeh |
| Citizens' Utility Board | Sarah Wochele |
| EnerCity Collaborative | James Metoyer |
| Euvalcree | Noah Scott |
| Klamath and Lake Community Action Services | Christina Zamora |
| Northwest Native Chamber | Amber Faist |

| ORGANIZATION | NAME |
|--|-------------------------|
| Northwest Energy Coalition | Alma Pinto |
| Northwest Energy Coalition | Alessandra de la Torre |
| Office of Sustainability, Multnomah County | Silvia Tanner |
| Oregon Public Health Institute | Masha Cole-Tagaeva |
| Oregon Rural Action | Kaleb Lay |
| Rogue Climate | Jess Grady-Benson |
| Rural Organizing Project | Hannah Harrod |
| Self Enhancement Inc | John Maddalena |
| Spark Northwest | John Seng |
| Tribal Consultant | Mark Healy |
| Verde | Anahi Segovia Rodriguez |
| Wy'East | Robert Wallace |

GROUP AGREEMENTS

- Honor the agenda or modify by agreement.
- Listen carefully; seek to learn and understand each other's perspective.
- Encourage respectful, candid, and constructive conversation.
- Keep an open mind.
- Ask questions to clarify and understand why.
- Be open, transparent, inclusive, and accountable.
- Respect differing opinions.
- Seek to resolve differences and find common ground.
- Be conscious of speaking time; step back to allow space for others to contribute.
- Limit side conversations; discuss topics together.



INTRODUCTIONS

Please share:

- Your name
- Your affiliation
- Your pronouns, if you are comfortable sharing them
- What is a policy area you are excited to talk about?



HB 4077 ENVIRONMENTAL JUSTICE

“Equal protection from environmental and health risks, fair treatment and meaningful involvement in decision making of all people regardless of race, color, national origin, immigration status, income or other identities with respect to the development, implementation and enforcement of environmental laws, regulations and policies that affect the environment in which people live, work, learn, and practice spirituality and culture.”

- Tribal communities
- Communities of Color
- Communities experiencing lower incomes
- Communities experiencing health inequities
- Rural communities
- Remote communities
- Coastal communities
- Communities with limited infrastructure
- Other communities traditionally underrepresented in public processes and adversely harmed by environmental and health hazards, including seniors, youth, and persons with disabilities

EQUITABLE AND JUST PARTICIPATION

Distributive Justice

The spatial distribution of energy resources, services, costs, and risks

Procedural Justice

Equitable participation in the decision-making process.

Recognition Justice

Recognizing and valuing all parties.

Key Takeaways

Final Product

Today

Meeting 3

Meeting 4

SUMMARY OF FINDINGS

| PATHWAY | ISSUE STATEMENT/BARRIERS | STRATEGY TO ADDRESS BARRIERS | POLICY ACTION |
|-------------------------|--|---|--|
| VEHICLE ELECTRIFICATION | <p>1. Upfront Cost <i>EVs have a higher purchase price than traditional internal combustion engine vehicles.</i></p> | "Expand EV market share through incentives" | "Continue funding the Oregon Clean Vehicle Rebate Program" |
| GRID INTEGRATION | | | |
| VMT REDUCTION | | | |
| LOW CARBON FUELS | | | |

MIRO BOARD

Timer 15 mins Start
Private mode Hide content on sticky notes Turn off

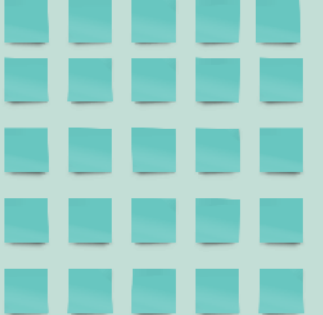
Frame 1

Using Miro

- There are three main ways you can use Miro: the online collaboration tool, the desktop app, and the mobile app.
- On the desktop app, you can use the online collaboration tool, the desktop app, and the mobile app.
- On the mobile app, you can use the online collaboration tool, the desktop app, and the mobile app.
- On the desktop app, you can use the online collaboration tool, the desktop app, and the mobile app.

Low Carbon Fuels

Issue Statements/Barriers



Developing Clean Electricity Generation and Transmission

Issue Statements/Barriers



Transportation Electrification

Issue Statements/Barriers



Building Efficiency, Electrification, and DERs

Issue Statements/Barriers



TRANSPORTATION ELECTRIFICATION

Four Key Takeaways



Transportation electrification reduces system-wide energy demand and the cost of decarbonization, and the pace matters.



Transportation electrification will significantly increase electricity demand but EVs can provide a net benefit to the grid if managed flexibly.






Reducing vehicle miles traveled has a large impact on overall energy demand and therefore costs for maintaining and upgrading the electric grid







Low carbon fuels play a role in decarbonizing transportation across all scenarios, and that role increases as the pace of transportation electrification slows.

TRANSPORTATION ELECTRIFICATION

-  Light-, medium-, and heavy duty zero emission vehicles (battery electric and hydrogen fuel cell)
-  Charging and Fueling infrastructure
-  Vehicle miles traveled reduction

BUILDING EFFICIENCY, ELECTRIFICATION, AND DERs

Four Key Takeaways

-  Delayed energy efficiency and building electrification represents the highest cost of all the scenarios that were modeled.
-  Building electrification results in system-wide reductions in energy demand.
-  Rooftop solar in western Oregon reduces the need for grid-scale solar to be built in eastern Oregon.
-  Demand response programs reduce future capacity and transmission needs.






BUILDING EFFICIENCY, ELECTRIFICATION, AND DERs

 Residential and commercial

 Customer-side of the meter

DEVELOPING CLEAN ELECTRICITY GENERATION AND TRANSMISSION

Five Key Takeaways

-  The model shows significant near-term load growth.
-  Both in-state and out-of-state resources contribute to a least-cost supply portfolio.
-  Oregon does not have sufficient physical transmission capacity to meet the modeled electricity flow.
-  The model consistently builds more generating capacity.
-  Decarbonizing Oregon's electricity may require more policy action.

DEVELOPING CLEAN ELECTRICITY GENERATION AND TRANSMISSION





 Electricity generation and storage in front of the meter

 Transmission

 Development needs and barriers/competing priorities

LOW-CARBON FUELS

Four Key Takeaways

-  Demand declines but fuels remain a significant component of Oregon's energy system across all scenarios.
-  Low-carbon fuels are an increasing proportion of Oregon's energy supply across all scenarios.
-  Firm dispatchable resources are needed to support the growing electric grid.
-  Electrification is more cost effective than adopting low-carbon fuels in many applications.

LOW-CARBON FUELS

 Opportunities for low carbon fuels in buildings, industry, and transportation

 Identification of barriers and potential solutions to production and distribution of fuels

Next Steps

FRAMING ENVIRONMENTAL JUSTICE & EQUITY

TABLE 1. SEVEN-STEP PROCESS FOR BUILDING EQUITY INTO CLEAN ENERGY POLICIES²²

| Equitable Policy Design | Highlights and Priorities |
|--|--|
| 1. Ensure equitable access to economic benefits and opportunity by empowering communities. | Support participatory processes, direct funding, removal of barriers to autonomy and independence and greater access to processes and decisions. |
| 2. Ensure universal and equitable access to affordable remote service options. | Efforts must be expanded to develop affordable, quality broadband, including in rural and under-resourced areas. |
| 3. Center program design on reduction of energy cost burdens. | Reduce home energy and transportation costs for highly impacted populations by focusing on cost burden as a metric in planning. |
| 4. Incorporate health disparity metrics into energy planning. | Improve health and safety, safeguard against health and safety risks and improve access to the physical, service and social conditions linked to health and well-being by operationalizing a health disparity metric in energy planning. ²³ |
| 5. Increase resilience and energy sovereignty for Tribes and energy independence for vulnerable communities. | Support the efforts of communities especially prone to instability from climate change and other natural disasters, such as communities located in the Cascadia Subduction Zone and wildfire prone areas and communities impacted by fossil fuels. ²⁴ |
| 6. Address procedural inequities in program design and prioritize equitable development. | Perhaps the most significant combined equity-and-energy gains can be made through planning. The state has an opportunity to help guide clean and equitable development of programs and funding that support development. |
| 7. Address nexus issues of affordable housing, livable communities and displacement in energy policy. | Work with housing policy experts to address unhoused and displaced communities through energy policy design, especially focusing on cost burdens. |

Washington Department of Commerce developed “Key Actions” including “Communities” and addressed it in the report as “Build an Equitable, Inclusive, Resilient Clean Energy Economy.”

ENVIRONMENTAL JUSTICE & EQUITY MEETINGS

Environmental Justice and Equity Working Group

- April 14, 2025 | 9 - 11 a.m.
- April 30, 2025 | 9 a.m. - 12 p.m.
- May 21, 2025 | 9 a.m. - 12 p.m.



OTHER WORKING GROUP MEETINGS

- Low Carbon Fuels
 - March 14 | 9 a.m. – 12 p.m.
- Developing Clean Electricity Generation and Transmission
 - February 26 | 9 a.m. – 12 p.m.
- Transportation Electrification
 - March 4 | 9:30 a.m. – 12:30 p.m.
- Building Efficiency, Electrification, and DERs
 - March 5 | 9 a.m. – 12 p.m.



MODELING OFFICE HOURS

| | |
|---|-------------------------------------|
| February 28 10 a.m. – 11 a.m. | Transportation |
| March 3 12 p.m. – 1 p.m. | Fuels |
| March 7 10 a.m. – 11 a.m. | Electricity and Transmission |
| March 11 10 a.m. – 11 a.m. | Buildings |
| March 21 10 a.m. – 11 a.m. | Environmental Justice and Equity |
| March 13 1:30 p.m. – 3:00 p.m. | Complementary Analysis Info Session |

Additional Meetings

- Public Forum Listening Session
 - February 27 at 1 p.m. and 5 p.m.
- Presentation of Complementary Analysis
 - March 13, 1:30-3:00 p.m.
- Jobs study
 - ~July, with deeper policy discussions following more in-depth workforce analysis



RESOURCES

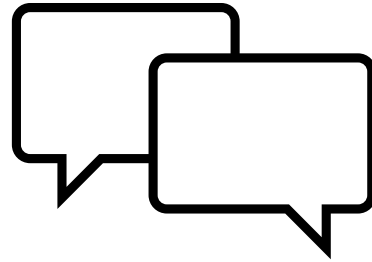
- Oregon Energy Strategy Overview:

<https://www.oregon.gov/energy/Data-and-Reports/Documents/OES-Project-Overview-Flyer-12-2024.pdf>

- Jan 31 Final Modeling Results Presentation & Recording:

<https://www.oregon.gov/energy/Data-and-Reports/Pages/Oregon-Energy-Strategy-Engagement.aspx>

OPPORTUNITIES FOR PUBLIC COMMENT



Provide written public comment

<https://odoe.powerappsportals.us/en-US/energy-strategy/>

KEY TAKEAWAYS

Educational Resources

- Low-Carbon Fuels
- Developing Clean Electricity Generation and Transmission
- Transportation Electrification
- Building Efficiency, Electrification, and DERs



Thank You!

www.oregon.gov/energy/Data-and-Reports/Pages/Energy-Strategy.aspx