



Oregon

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AGENDA

Energy Strategy Advisory Group, Kick-off Meeting

July 23, 2024 / 9:00 am – 12:00 pm

Zoom Link for virtual participants: [Join the meeting now](#)

Objectives

- Establish a common understanding of the Oregon Energy Strategy, including project workflow, major milestones, and deliverables
- Provide opportunity for Advisory Group introductions
- Review and discuss Advisory Group Charter
- Address upcoming meetings, next steps, and summary

Time	Topic
9:00 - 9:15 am	Welcome and Agenda Review <ul style="list-style-type: none"> • Welcome and opening remarks • Agenda review
9:15 - 10:00 am	Advisory Group and ODOE Introductions <ul style="list-style-type: none"> • Opportunity for Advisory Group members and project staff to share introductions
10:00 – 10:50 am	Onboarding to the Oregon Energy Strategy <ul style="list-style-type: none"> • High-level overview of project purpose, workflow, major milestones and deliverables including: <ul style="list-style-type: none"> ○ Modeling and scenario/pathways analysis ○ Policy recommendation development process • Q&A, discussion, and next steps
10:50 – 11:00 am	Break
11:00 - 11:40 am	Introduction to the Advisory Group Charter <ul style="list-style-type: none"> • Provide an overview of the Charter including: <ul style="list-style-type: none"> ○ Project purpose and desired outcomes, roles and responsibilities, charge of the Advisory Group, and guiding principals • Q&A, discussion and next steps
11:40 - 12:00 pm	Preparing for Upcoming Meetings, Next Steps, and Summary <ul style="list-style-type: none"> • Advisory Group preparation for August and September meetings • Confirm next steps • Summary

12:00 pm	Adjourn
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Oregon Department of Energy

Oregon Energy Strategy Advisory Group Kick-off

Janine Benner, Director
and
Edith Bayer, Team Lead
July 23, 2024





OREGON DEPARTMENT OF ENERGY

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

Janine Benner, Director

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

GOALS OF TODAY'S MEETING



Establish a common understanding of the Oregon Energy Strategy, including project workflow, major milestones, and deliverables



Provide opportunity for Advisory Group introductions



Review and discuss Advisory Group Charter



Address upcoming meetings, next steps, and summary

AGENDA

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9:15 a.m.	Advisory Group and ODOE Introductions
10:00 a.m.	Introduction to the Oregon Energy Strategy
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11:00 a.m.	Introduction to the Advisory Group Charter
11:40 a.m.	Preparing for Upcoming Meetings, Next Steps, and Summary
12:00 p.m.	Adjourn

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.



MEETING MATERIALS

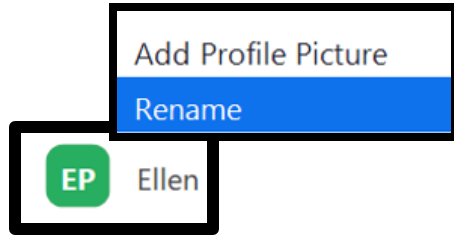
- Meeting materials are available at the ODOE Energy Strategy Advisory Group Webpage:
<https://www.oregon.gov/energy/Data-and-Reports/Pages/Energy-Strategy-Advisory-Group.aspx>
- Members of the public welcome to provide written public input to ODOE:
 - Energy.Strategy@Energy.Oregon.gov

Oregon Department of Energy / DATA & REPORTS / Energy Strategy Advisory Group

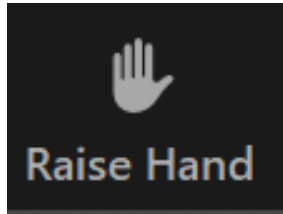
Energy Strategy Advisory Group

Links to meeting materials and ODOE email in the chat.

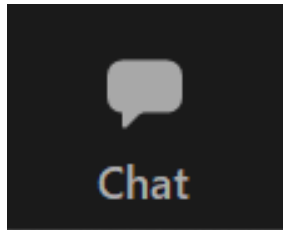
ZOOM MEETING TIPS FOR ADVISORY GROUP MEMBERS



Please update your name label to include your pronouns and affiliation.



If you have a question for the presenter or would like to add to the discussion, please use the raise hand function or the chat function (*9 if you are joining by phone).



If you need any technical help, please chat directly to the meeting host, Gillian Garber-Yonts.

ZOOM PLATFORM FUNCTIONS

The image shows a Zoom meeting interface with several red boxes highlighting specific features and text boxes explaining them:

- Participants Panel:** A red box highlights the "Participants (1)" panel. It shows a dropdown menu for the host "Ellen Palmquist, Ke..." with options "Add Profile Picture" and "Rename". A text box below it says: "To change your name, click on the 'participants' button".
- Mute Button:** A red box highlights the "Mute" button in the bottom toolbar. A text box above it says: "To mute/unmute, click on the 'mute' button".
- Chat Panel:** A red box highlights the chat panel on the right. It shows a "To:" dropdown set to "Everyone" and a text input field "Type message here...". A text box below it says: "Click on the 'chat' button and use the dropdown to message Gillian Garber-Yonts for troubleshooting".
- More Menu:** A red box highlights the "More" button (three dots) in the bottom toolbar.
- Bottom Toolbar:** Other buttons visible include "Start Video", "Security", "Participants" (with a count of 1), "Share Screen", "Reactions", and "Apps".

Project Team and Advisory Group Introductions



ODOE PROJECT TEAM & WORKING GROUPS

Alan Zelenka - Assistant Director for Planning and Innovation

Jessica Reichers - Manager, Policy & Innovation

Edith Bayer - Team Lead

Working Groups	
Direct Use Fuels & Industry	Michael Freels & Tom Elliott
Electricity Generating Technologies	Joni Sliger & Edith Bayer
Transportation	Jillian DiMedio & Evan Elias
Transmission & Distribution	Jason Sierman & Rob Delmar
Buildings	Blake Shelide, Stephanie Kruse & Mary Kopriva
Energy Efficiency & Load Flexibility	Andy Cameron & Edith Bayer
Equity and Environmental Justice	Lauren Rosenstein & Edith Bayer
Land Use & Natural Resources	Michael Freels & Amy Schlusser

ADVISORY GROUP MEMBER INTRODUCTIONS

- Once around the table, please share the following with the group (one-minute each):
 - Name
 - Affiliation
 - Where in the state are you based?
 - What is one hope you have for the process?



CLEAN ENERGY TRANSITIONS INSTITUTE TEAM

Project Management

- Overall Project Manager: Eileen V. Quigley, CETI
- Technical Project Manager: Ruby Moore-Bloom, CETI

Technical Modeling

- Technical Project Lead: Jeremy Hargreaves, Evolved
- Technical Advisors: Elaine Hart, Moment Energy Insights; Amy Wagner, Evolved
- Technical Project Support: Ryan Jones and Gabe Kwok, Evolved
- Health Impacts Lead: Jamil Farbes, Evolved

Equity Support

- Equity Advisor: Angela Long, Rockcross Consulting
- Equity Advisory & Data Analyst: Mariah Caballero, CETI

KEARNS & WEST FACILITATION TEAM

Neutral process support to ODOE as it develops the Oregon Energy Strategy.

Deb Nudelman & Ben Duncan
Facilitation Co-Leads

Gillian Garber-Yonts
Process Support

Nicole Metildi
Notetaker

Oregon Energy Strategy



SUMMARY OF PRESENTATION



Why an Energy Strategy?



What is the scope and process?



Opportunities for engagement

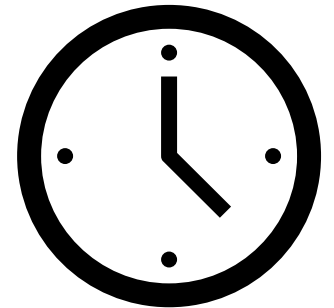


Where does the Advisory Group fit in?

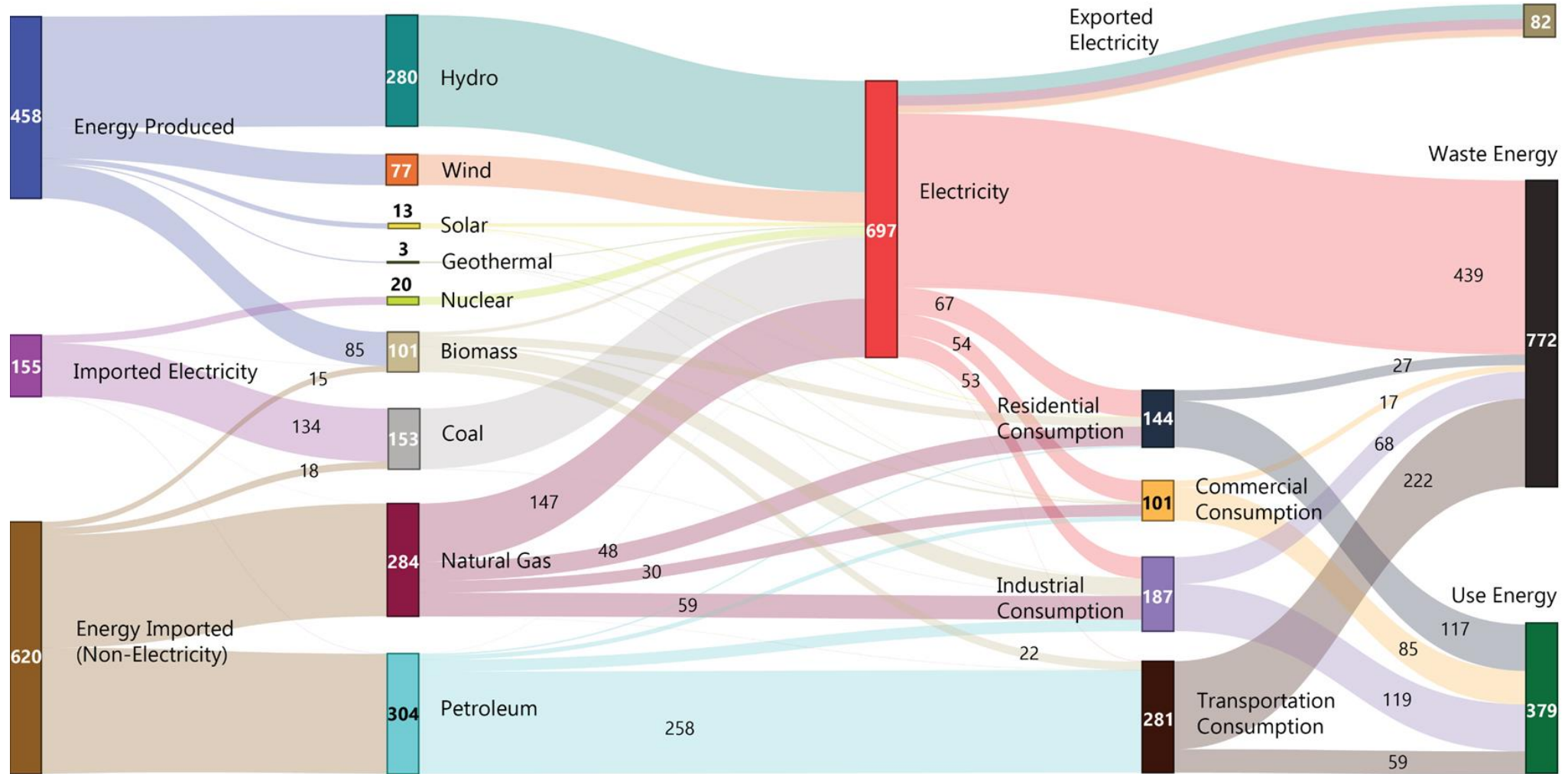


Q&A and Discussion

Why an Energy Strategy?



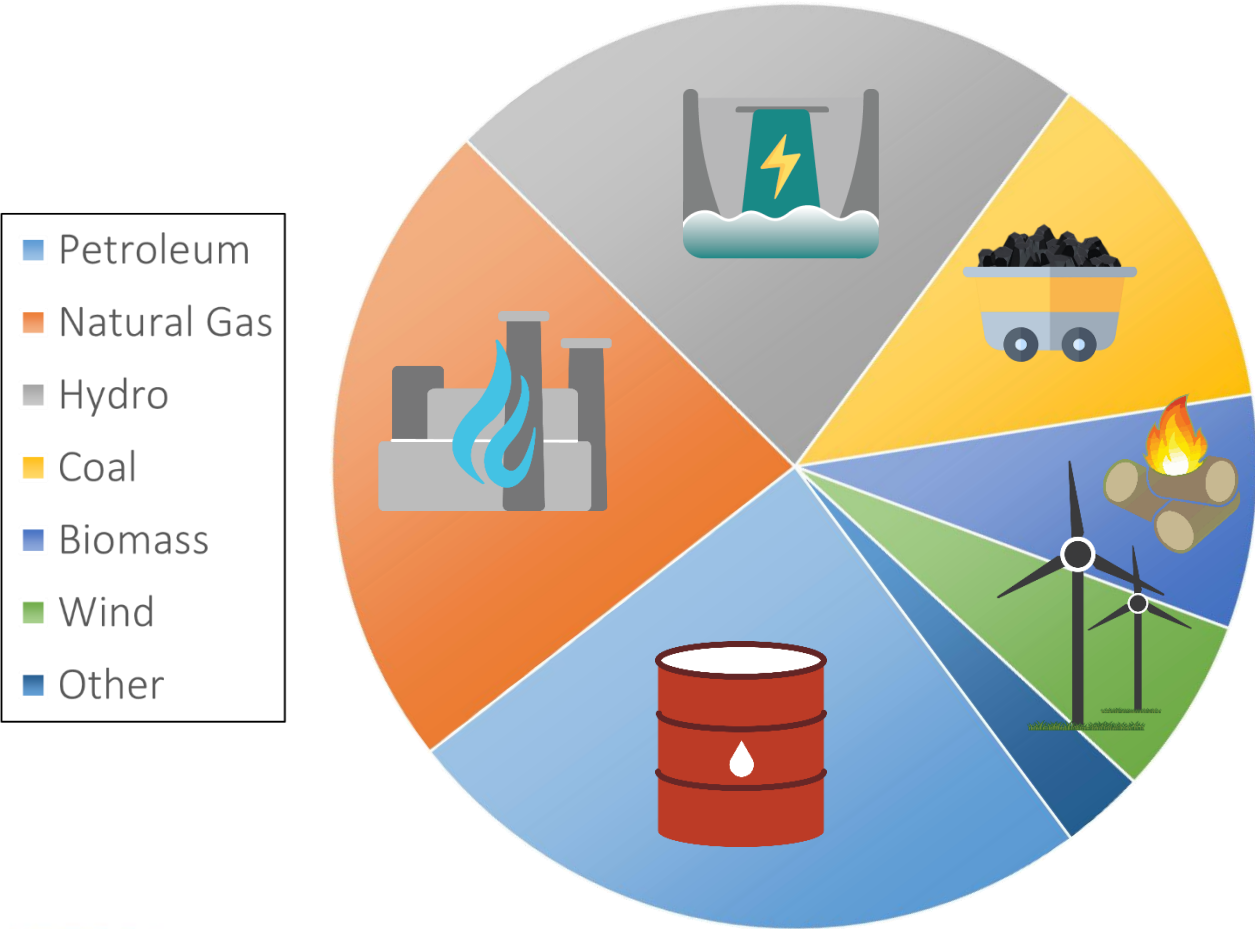
OREGON'S ENERGY FLOW 2020



Numbers are in trillions of British thermal units (Btus)

OREGON'S ENERGY LANDSCAPE

ENERGY SOURCES

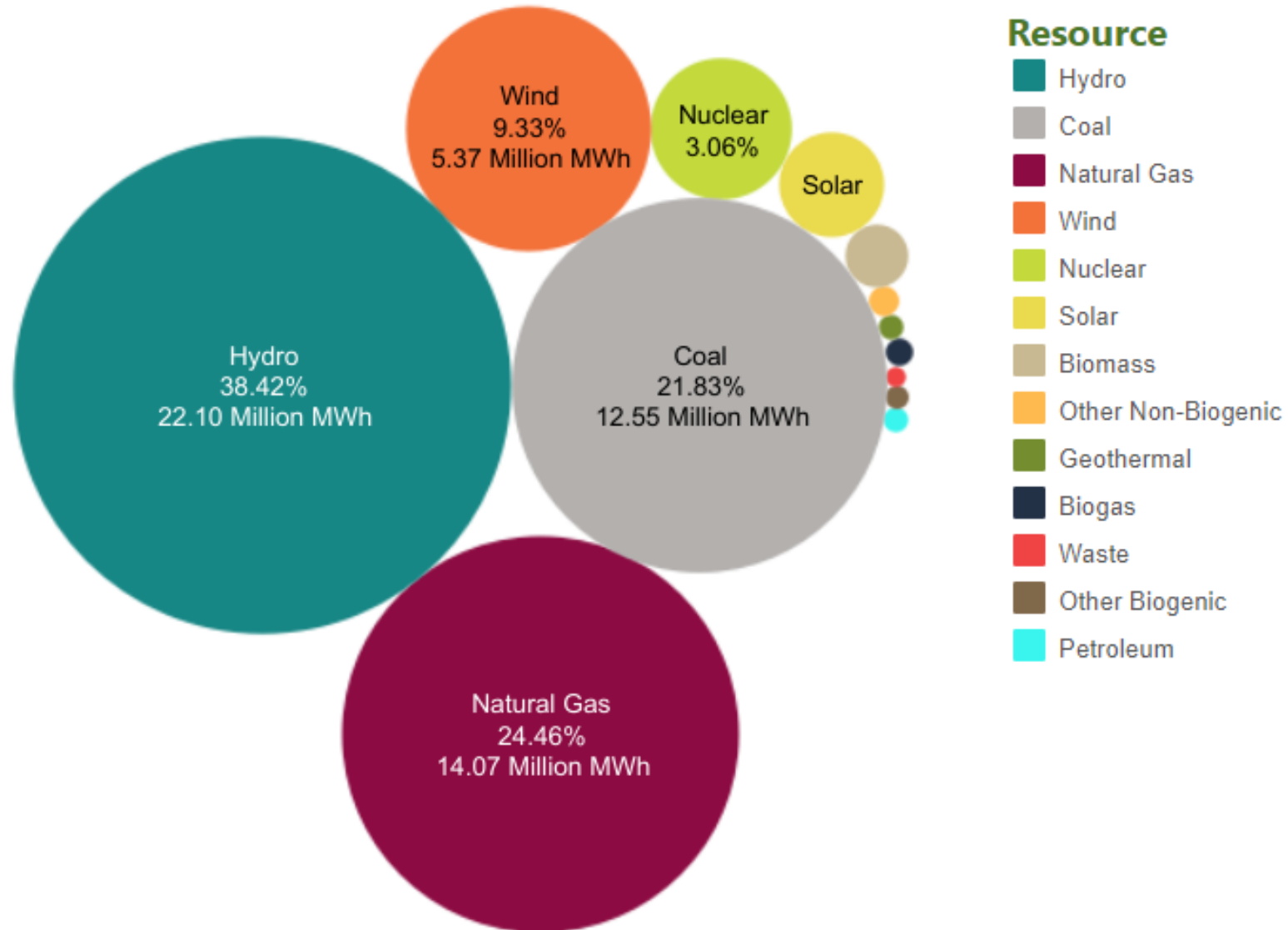


ENERGY SECTORS



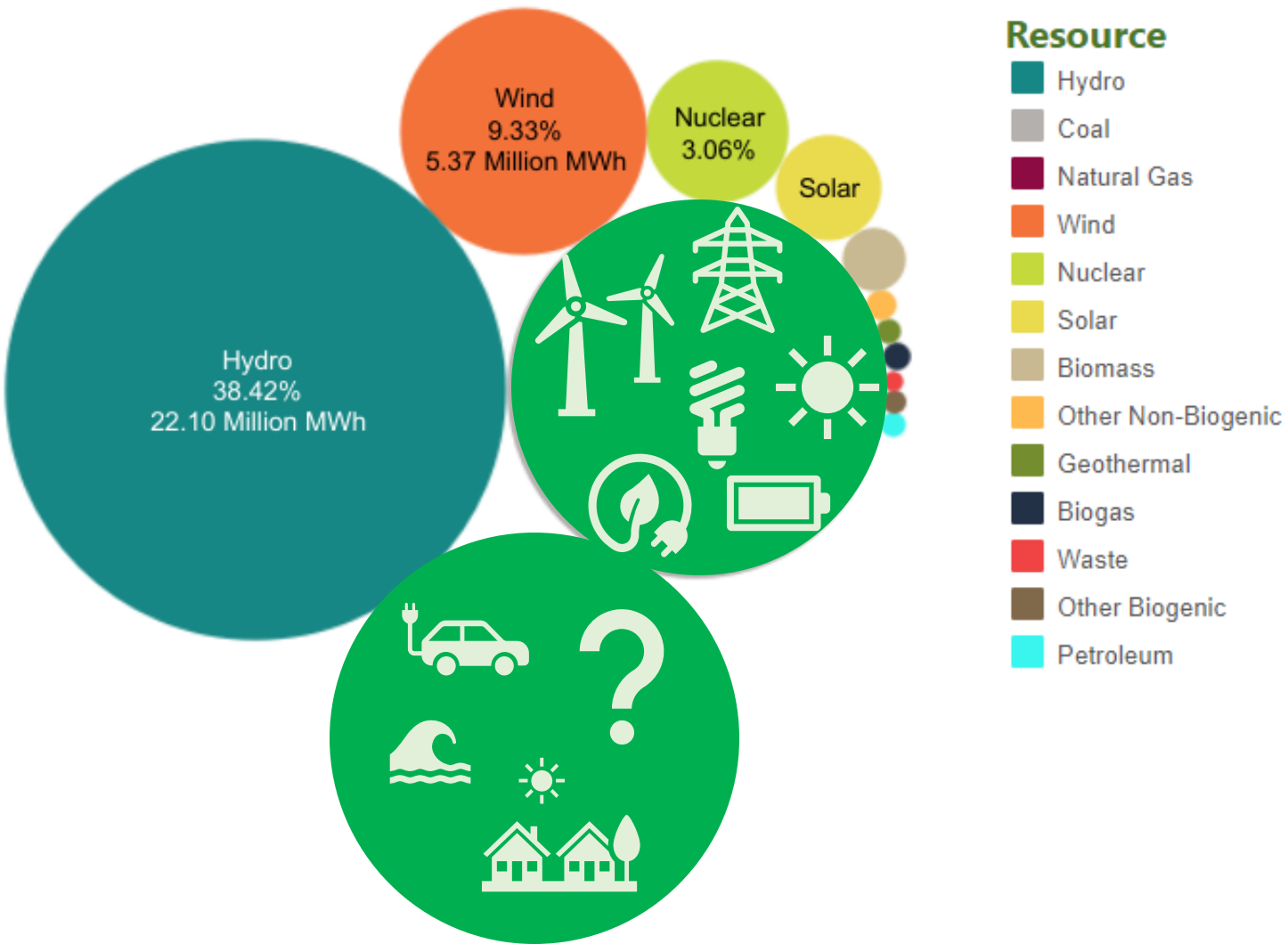
Source: 2022 Biennial Energy Report. All data is for 2020.

RESOURCES USED TO GENERATE OREGON'S ELECTRICITY (2021)

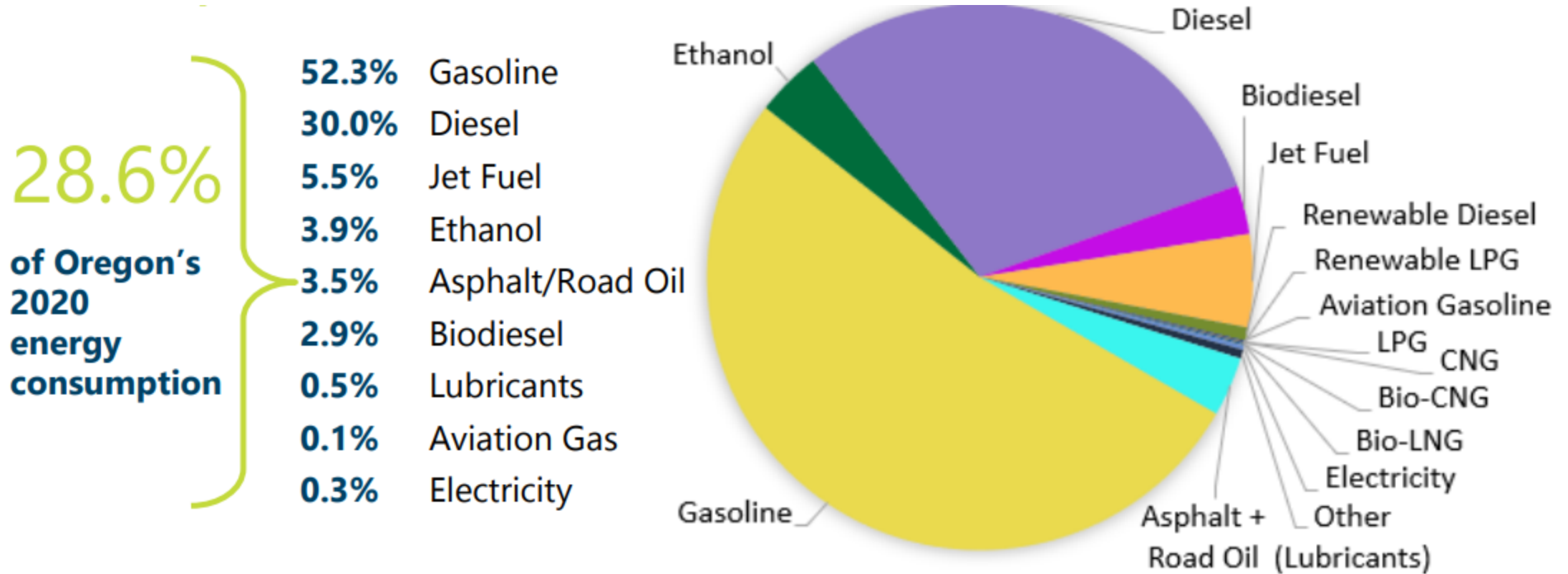


RESOURCES USED TO GENERATE OREGON'S ELECTRICITY (2040)

HB 2021:
100% clean
electricity
by 2040

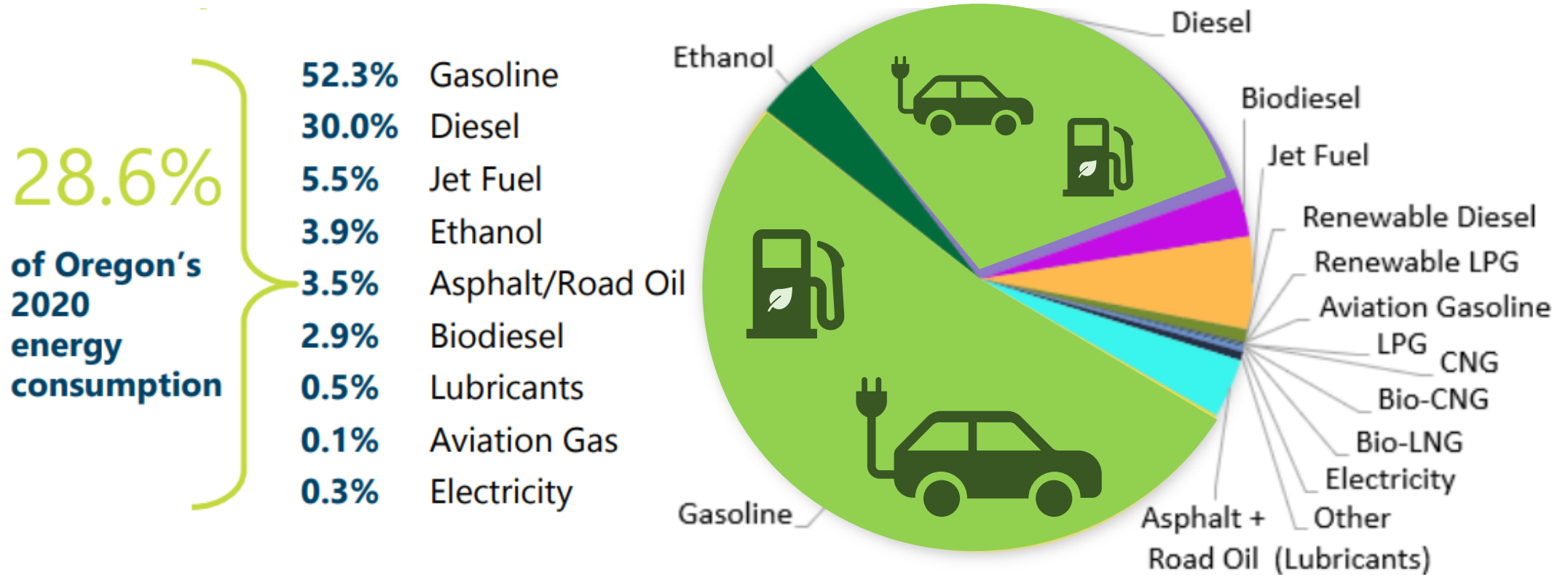


TRANSPORTATION FUELS (2020)



TRANSPORTATION FUELS (2050)

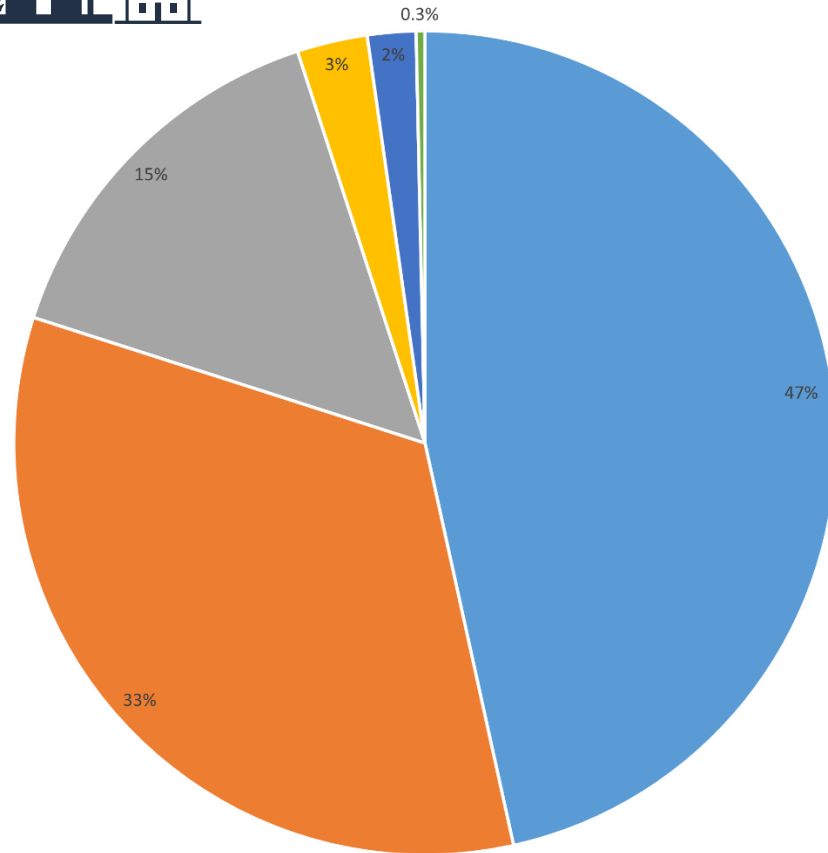
The Climate Protection Program



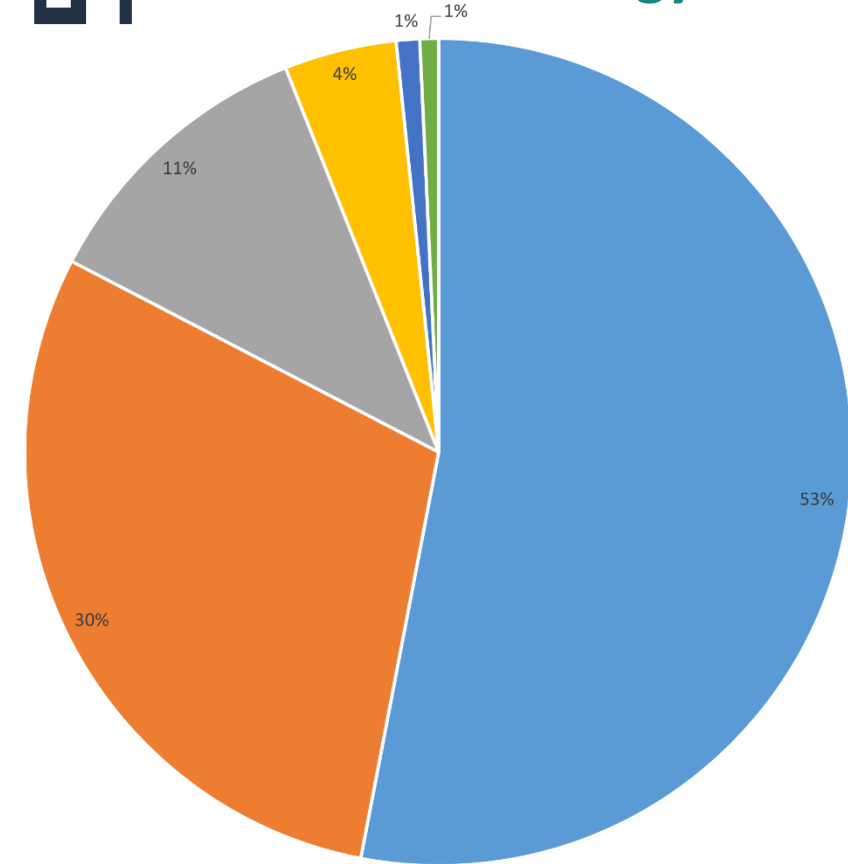
OREGON'S ENERGY CONSUMPTION



Residential Energy Use



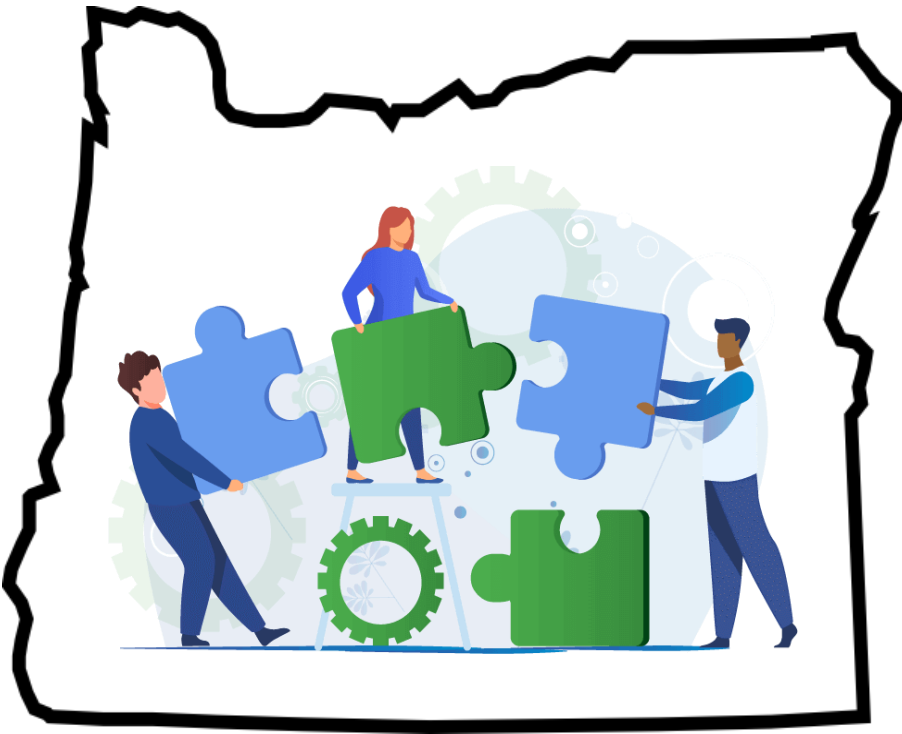
Commercial Energy Use



- Electricity
- Natural Gas
- Biomass
- Petroleum
- Solar
- Geothermal

Charting a
Course for
Oregon's
Energy Future

Why does Oregon need an Energy Strategy?



- The costs of failing to achieve mid-century clean energy and climate policy goals fall inequitably across Oregonians
- Technical analysis shows us that there are multiple technology pathways to achieve mid-century policy goals
- Significant choices remain, and the tradeoffs of those choices must be carefully considered
- Oregonians must work together to chart an intentional course for the state's energy future that balances these tradeoffs

What is the scope and process?



ELEMENTS OF THE OREGON ENERGY STRATEGY

1.

Summary of the Energy Strategy and pathways to achieve Oregon's policy objectives

2.

Recommendations of policy options

3.

Description of stakeholder engagement and how stakeholder perspectives informed the strategy

SCOPE OF THE ENERGY STRATEGY

Must be informed by:

- Stakeholder perspectives
- State laws, policies, targets re: energy and GHG emissions
- Existing energy and IRPs
- Energy-related studies and data analysis
- State energy policy objectives

Reflects the best available info, data analyses and time horizons necessary to achieving the state's energy policy objectives

Take into account (at a minimum):

- State Energy demand and trends
- Energy resources and tech choices
- Energy generation, transmission, distribution infrastructure
- Emerging tech & investment opportunities
- Environmental justice
- Community benefits
- Land use considerations
- Energy burden & affordability
- Econ and employment impacts
- Energy security and impacts of broader markets
- Energy resilience
- Community Energy resilience

Periodically update the E Strategy to reflect current information, data analysis and state energy policy objectives

Engagement:

- State agencies, Tribes, stakeholders w/ diverse range of:
- Interests, perspectives, expertise, education
- Socioeconomic backgrounds
- Communities
- Geographic areas of the state

ENERGY POLICY OBJECTIVES

Economy-wide

- EO 20-04
- 80% GHG reduction by 2050

Electricity (IOUs)

- HB 2021
- 100% clean by 2040

Natural gas, liquid fuels, propane

- Climate Protection Program
- 90% GHG reduction by 2050

Policies driving and shaping compliance pathways:

Clean Fuels Program, Advanced Clean Cars II, Advanced Clean Trucks, Building Codes, Appliance Standards, and many more....

CONSULTATIVE STRUCTURES

Interagency Steering Group

- State Agency Coordination
- ODOE, DLCD, ODOT, PUC, DEQ, Business OR, Governor's office; other agencies
- Meets 1x a month

Advisory Group

- Advise ODOE throughout the process and help inform decisions
- Representatives of diverse perspectives and lived experience across OR
- Meets 1x a month

Working Groups

- Focused on details of modeling
- Subject matter experts able to inform modeling and technical analysis
- Meet in July/Aug 2024

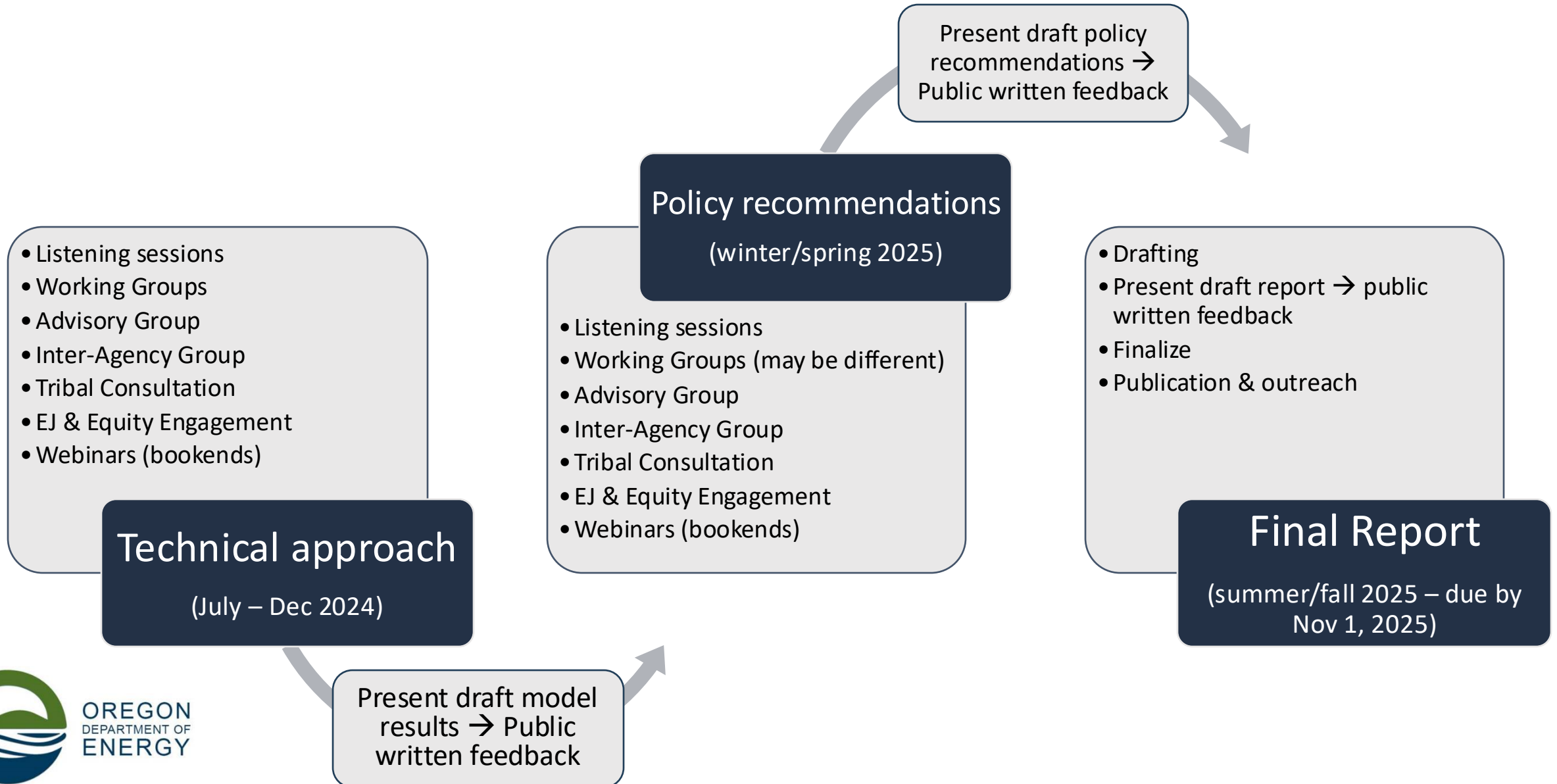
Tribal Consultation

- Government-to-Government, ensuring tribal perspectives inform Energy Strategy
- Members of the 9 Federally Recognized Indian Tribes in Oregon
- Ongoing

Listening Sessions

- Collecting broad views from across the state
- Anyone can and is encourage to join
- July 31, 10am – 12pm and 5pm – 7pm

PROCESS



KEY DELIVERABLES

2024

2025

June 3 – Sep 9
Engagement to
inform
modeling and
technical
analysis

Winter 2024/25
preliminary
modeling results
published

Winter 2025 –
Engagement to
inform policy
recommendati
ons

Early summer 2025
– draft report

Sep – Dec
Modeling

Winter 2025 – final
modeling results

Spring 2025 –
draft policy
recs

November 1
2025 – final
report

WORKING GROUP SUBJECT AREAS

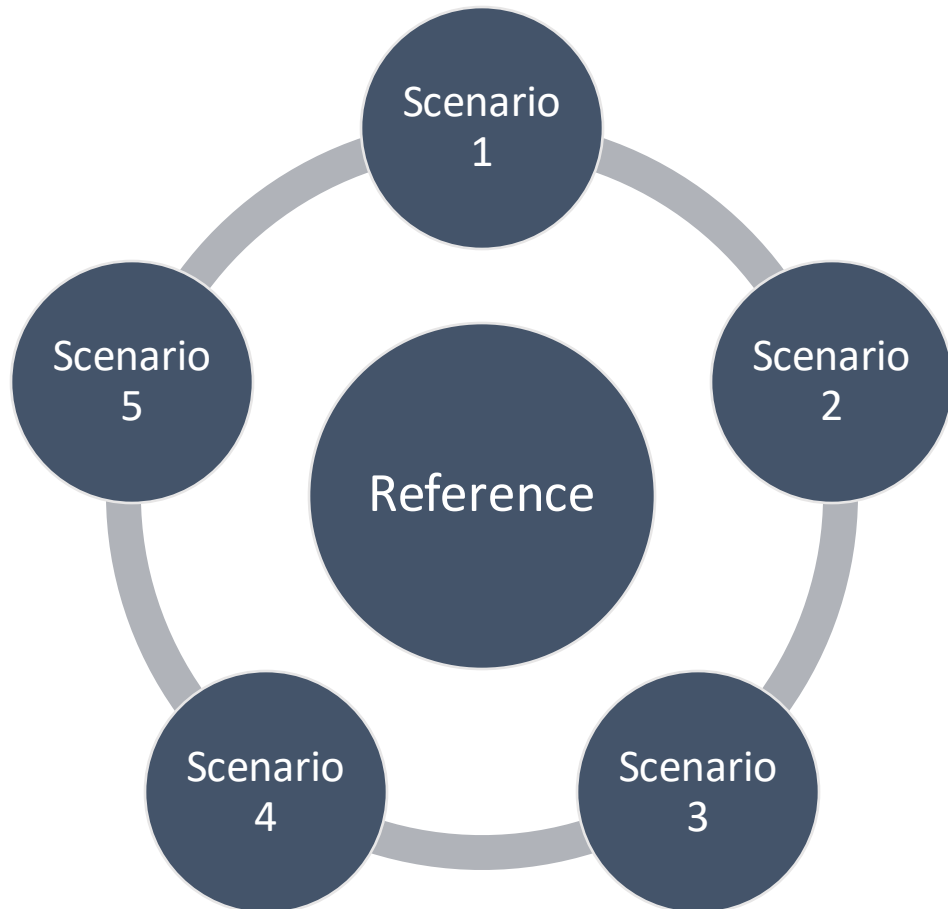
- Land Use and Natural Resources
- Electricity Generation Technologies
- Direct Use Fuels & Industry
- Transmission & Distribution (wires & pipes)
- Buildings
- Transportation
- Environmental Justice & Equity
- Energy Efficiency and Load Flexibility

WORKING GROUP CALENDAR

Introductory Meeting		
Introduction to the modeling approach for the Oregon Energy Strategy		
All Working Groups Together	July 30, 9am-11am	
Breakout Meetings		
Topic Area	Breakout meeting 1	Breakout meeting 2
Land Use and Natural Resources	August 5, 10am-12pm	August 12, 1pm-3pm
Electricity Generation Technologies	August 5, 1pm-3pm	August 19, 1pm-3pm
Direct Use Fuels & Industry	August 6, 9am-11am	August 13, 9am-11am
Transmission & Distribution (wires and pipes)	August 14, 1pm-3pm	
Buildings	August 16, 9am-11am	
Transportation	August 8, 9am-11am	August 15, 9am-11am
Environmental Justice & Equity	August 6, 2pm-4pm	August 16, 1pm-3pm
Energy Efficiency and Load Flexibility	August 2, 1pm-3pm	August 21, 9am-11am
Closing Meeting		
Final review of results from all Working Groups		
All Working Groups Together	August 22, 1pm-3pm	

*Grey shaded dates and times represent additional meeting times scheduled in case they are needed.

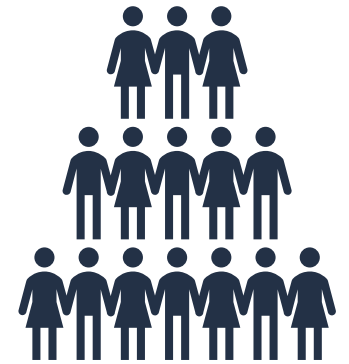
SUMMARY OF MODELING APPROACH



Reference: Combination of a set of reasonable assumptions demonstrating alignment with state energy goals to 2050

Scenarios 1-5: Test alternative pathways to uncover differences and trade-offs with reference pathway
*(What if there is more or less transmission?
What if heat pump or electric vehicle adoption is slower than expected? etc.)*

Where does the Advisory Group fit in?



ADVISORY GROUP SCOPE

HB 3630 framework

Representation able to inform discussion on:

- State energy demand and trends
- Energy resources and technology choices in consideration of costs, energy efficiency, feasibility, and availability
- Economic and employment impacts
- Energy burden and affordability
- Energy resilience
- Environmental justice
- Land use considerations
- Natural resource impacts
- Emerging technologies and investment opportunities
- Energy generation, transmission and distribution infrastructure needed to achieve state energy policy objectives
- Energy efficiency development and deployment
- Energy security and impacts of broader markets
- Community benefits
- Community energy resilience

Advisory Group will represent a diverse range of:

- Interests, expertise, and education
- Socioeconomic backgrounds
- Communities
- Geographic areas of the state



OREGON ENERGY STRATEGY ADVISORY GROUP

30 representatives of diverse professional and lived experience from across Oregon

Meet monthly to advise on Energy Strategy development between July 2024 – November 2025

Provide insights, advice, and recommendations throughout the development of the Energy Strategy

Q&A and Discussion: Onboarding to the Oregon Energy Strategy

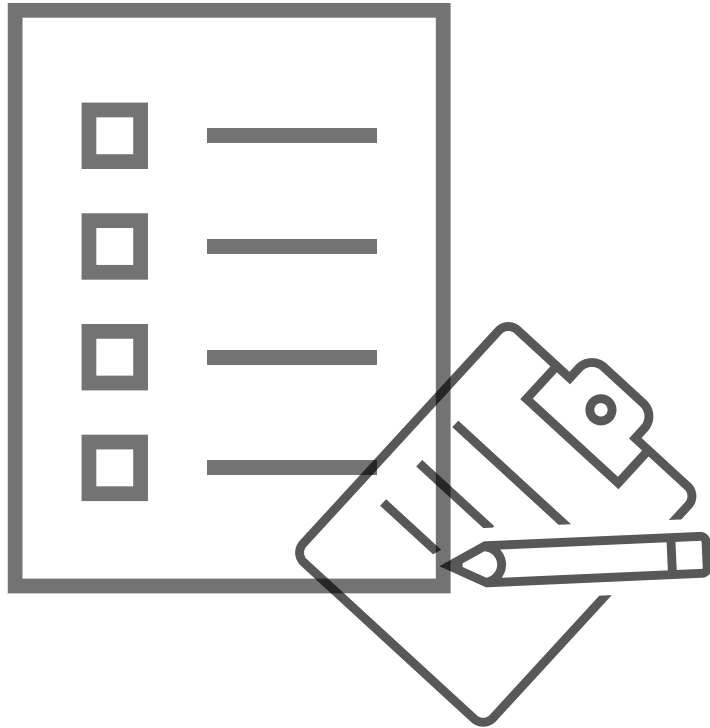
Break (10 minutes)



Advisory Group Draft Charter Overview



DRAFT ADVISORY GROUP CHARTER

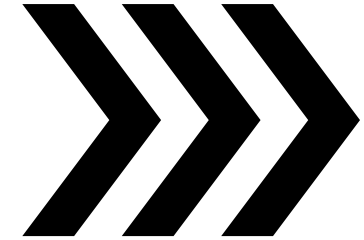


- A. Introduction
- B. Charge and Purpose
- C. Roles and Responsibilities
- D. Desired Outcomes
- E. Members
- F. Operating Guidelines and Procedures

Q&A and Discussion: Draft Oregon Energy Strategy Advisory Group Charter

DRAFT ADVISORY GROUP CHARTER NEXT STEPS

- Send any comments on the Draft Charter to Energy.Strategy@Energy.Oregon.gov by Friday Aug 2
- Review revised Draft Charter at **Aug 14 meeting** seeking Advisory Group adoption



Preparing for Upcoming Meetings, Next Steps, and Summary



PREPARING FOR UPCOMING MEETINGS



Upcoming Advisory Group meetings

- **August 14, 2024; 9am-12pm**
 - Provide update on ODOE project work and public engagement to-date (working groups, listening sessions)
 - Seek feedback from the Advisory Group
 - Review and finalize Charter
- **September 9, 2024; 9am-12pm**
 - Provide update on final Working Groups
 - Present proposal for modeling analysis, including draft scenarios and key assumptions
 - Feedback from the Advisory Group & discussion of next steps
- **Dates to be determined: Future monthly meetings (sending scheduling poll)**



Other Upcoming Meetings (agendas and schedules on Energy Strategy webpage)

- Listening Sessions, July 31, 10 am -12 pm and 5pm -7 pm
- Working Group Meetings, July 30 – August 22

NEXT STEPS AND SUMMARY



Confirm Next Steps

- Preparing for the next meeting
 - Watch July 30 Working Group Meeting (see ODOE website for link)
 - Review Charter and provide any questions, concerns, or proposed edits in advance of the Aug 14 meeting.



Summary and Acknowledgements



OREGON
DEPARTMENT OF
ENERGY

THANK YOU



RESOURCES:

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

ODOE's website: www.oregon.gov/energy

Contact us: energy.strategy@energy.Oregon.gov

Edith Bayer: edith.bayer@energy.Oregon.gov