

Oregon Department of **ENERGY**

Oregon Energy Strategy
Developing Clean
Electricity Generation &
Transmission Policy
Working Group

Meeting 1
February 12, 2025



COVERAGE OF EACH WORKING GROUP

Environmental Justice and Equity	<ul style="list-style-type: none">• Role in providing EJ and equity perspectives in the other working groups• Evaluate analysis and develop recommendations related to EJ and equity
Building Efficiency, Electrification, and DERs	<ul style="list-style-type: none">• Residential and commercial• Customer-side of the meter
Developing Clean Electricity Generation and Transmission	<ul style="list-style-type: none">• Electricity generation and storage in front of the meter• Transmission• Development needs and barriers/competing priorities
Low-carbon fuels	<ul style="list-style-type: none">• Best application of low carbon fuels used in buildings, industry, and transportation• Identification of barriers and potential solutions to production and distribution of fuels
Transportation electrification	<ul style="list-style-type: none">• Light-, medium- and heavy-duty zero emission vehicles (battery electric and hydrogen fuel cell)• Charging and fueling infrastructure• Grid integration• Vehicle miles traveled reduction

PURPOSE OF THIS WORKING GROUP

- Build understanding of learnings coming out of the model, specifically those related to developing clean electricity generation and transmission for Oregon loads.
- Consider Oregon's existing policy landscape.
- Provide feedback on electricity sector priorities, policy gaps and opportunities.
- Develop policy actions that could help advance progress toward further decarbonizing the electricity sector.

EXPECTATIONS FOR WORKING GROUPS

- Inform the Oregon Energy Strategy by working to understand, provide feedback on, and propose content for policy recommendations.
- Review materials, prepare for, and attend working group meetings.
- Share all relevant research, references, and information that will assist the group in achieving its goals.
- Stay focused on the specific agenda topics for each meeting.
- Participate in a free, open, and mutually respectful exchange of ideas, views, and information.
- Participate in good faith in a collaborative way while seeking common ground wherever possible.
- Consult regularly with colleagues, memberships, constituencies, or communities to inform them of the process, gather their input, and be able to represent their concerns and interests.
- **Refrain from revisiting state's climate goals and/or question the validity of climate science or Oregon's commitment to reducing greenhouse gas emissions.**

AGENDA

11:15 – 11:20	Welcome, Logistics, and Introductions
11:20 – 11:35	How Modeling Results Provide Direction
11:35 – 11:45	Policy Working Group Process and Next Steps
11:45 – 12:00	Discussion of policy areas of interest
12:00	Adjourn

Comments and questions from observers can be submitted to: <https://odoe.powerappsportals.us/en-US/energy-strategy/>

UPDATED MEETING SCHEDULE

February 26, 9:00 - 12:00, Meeting 2

- Discuss existing policy landscape
- Identify barriers and competing priorities
- Identify policy gaps

March 17, 9:00 - 12:00, Meeting 3

- Discuss complementary analysis learnings
- Review barriers and policy gaps
- Brainstorm policy concepts

April 30, 2:00 - 5:00, Meeting 4

- Review policy concepts
- Develop proposed policy actions

May 21, 9:00 - 11:00, Meeting 5

- Plenary session
- Report out from all working groups

Introductions

INTRODUCTIONS

- Please share the following with the group, in the chat:
 - Name
 - Affiliation
 - Geographic location you represent

WORKING GROUP ROSTER

ORGANIZATION	NAME
Benton County	Petra Schuetz
Bonneville Power Administration	Hannah Dondy-Kaplan
Central Oregon LandWatch	Rory Isbell
City of Hillsboro, League of Oregon Cities	Justin DeMello
Climate Solutions	Joshua Basofin
	Chris Golightly / Elijah Cetas
Columbia River Inter-Tribal Fish Commission	
Columbia Riverkeeper	Kelly Campbell
Confederated Tribes of Warm Springs	Edison Elizeh
DecisionWare Group; Mobilizing Climate Action Together	Pat DeLaquil
	Brian Booth / Jason Heuser
Eugene Water & Electric Board	
Idaho Power Company	Jared Hansen
International Brotherhood of Electrical Workers, Local 659	Nick Carpenter
Morrow County	Tamra Mabbott
Northwest & Intermountain Power Producers Coalition	Sidney Villanueva
NW Energy Coalition	Fred Heutte
Oregon Citizens' Utility Board	Bob Jenks
Oregon Farm Bureau	Ryan Krabill
Oregon Municipal Electric Utilities Association	Jennifer Joly
Pacific Power	Scott Beyer

ORGANIZATION	NAME
Portland General Electric	Jacob Goodspeed
Renewable Northwest	Emily Griffith / Diane Brandt
Rogue Climate	Jess Grady-Benson
Sol Coast Consulting; Oregon Coast Energy Alliance Network; Oregon Solar + Storage Industries Association	Shannon Souza
The Nature Conservancy	Lauren Link / Laura Tabor
Tillamook People's Utility District, Oregon People's Utility District Association	Ryan Perry
Umatilla County	Dan Dorran / Robert Waldher
Umatilla Electric Cooperative	Alec Shebiel
Verde	Anahi Segovia Rodriguez
Wasco County	Kelly Howsley-Glover
Oregon Department of Fish and Wildlife	Jeremy Thompson
Oregon Department of Forestry	John Tokarczyk
Oregon Department of Geology and Mineral Industries	Ruarri Day-Stirrat
Oregon Health Authority	Gabriela Goldfarb
Oregon Department of Land Conservation and Development	Alyssa Bonini, Alexis Hammer
Oregon Department of State Lands	Nataliya Stranadko
Oregon Water Resources Department	Crystal Grinnell

How Modeling Results Provide Direction

CONSIDERATIONS

For our next meeting, please consider:

- What are the primary barriers or competing priorities in regard to Developing Clean Electricity Generation & Transmission?
- What existing policies are in place to address those barriers?
- Where are additional policies or programs needed?

MODELING PROVIDES DIRECTION

The modeling results are not the Energy Strategy.

The modeling results provide a **foundation** and a **direction** for our conversations.

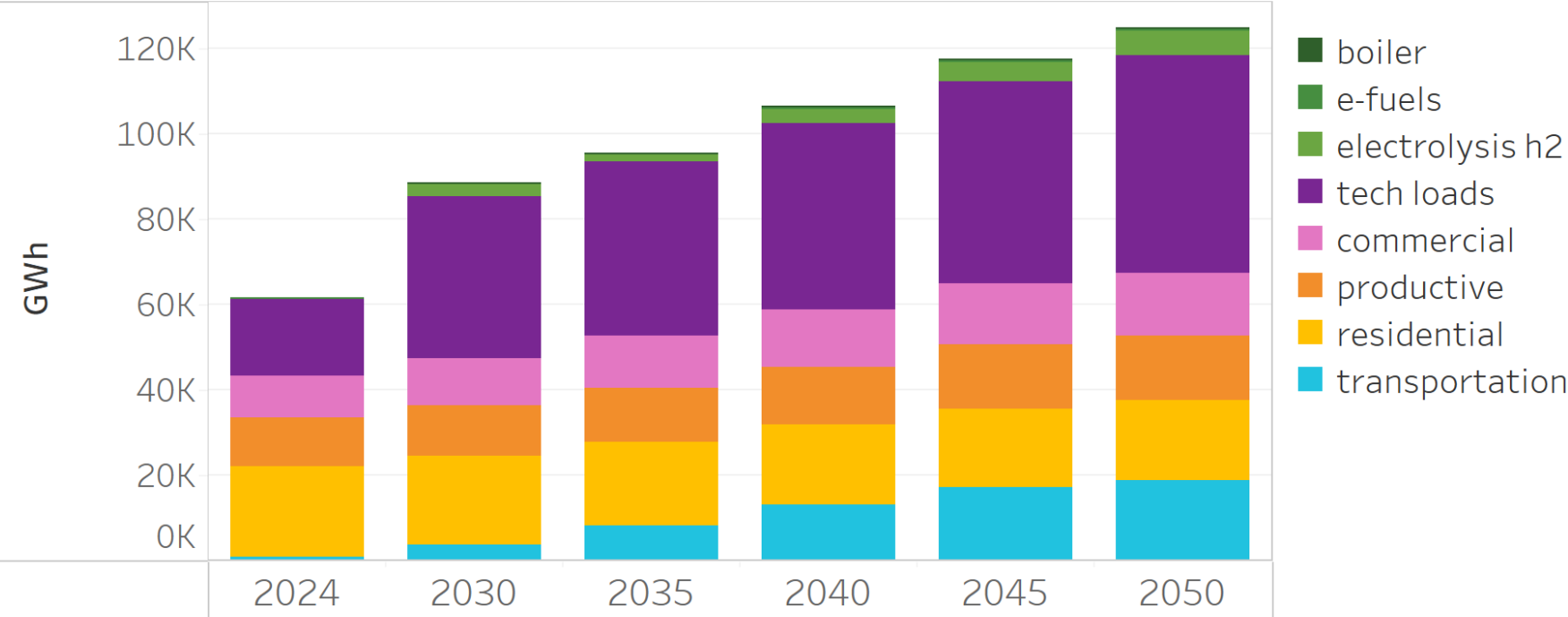
Some points may feel obvious, but it is essential to start from a common understanding.

KEY FINDING #1

**The Model Forecasts
Significant Near-Term
Load Growth**

CHART FROM TODAY'S PRESENTATION

Electricity Demand in Oregon by Scenario (GWh)

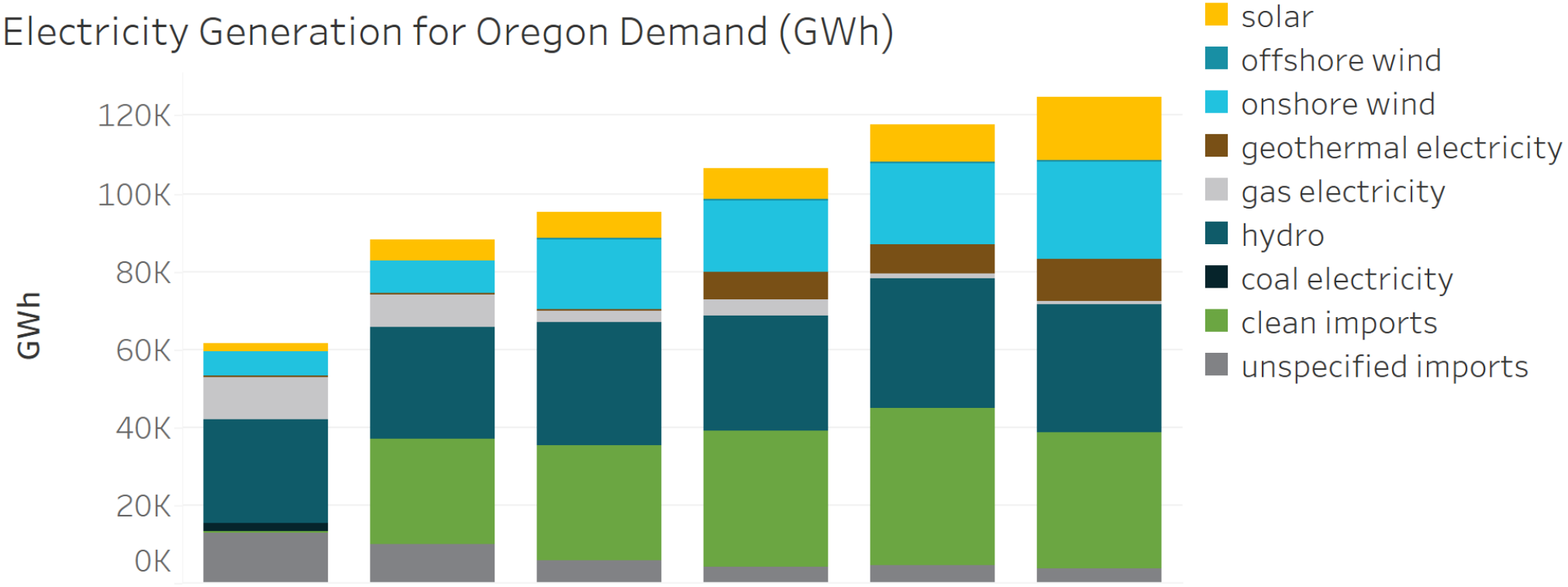


KEY FINDING #2

**Both In-State and Out-of-State Resources
Contribute to a Least-Cost
Supply Portfolio**

CHART FROM TODAY'S PRESENTATION

Electricity Generation for Oregon Demand (GWh)



*coal imported but represented as a contracted resource in modeling

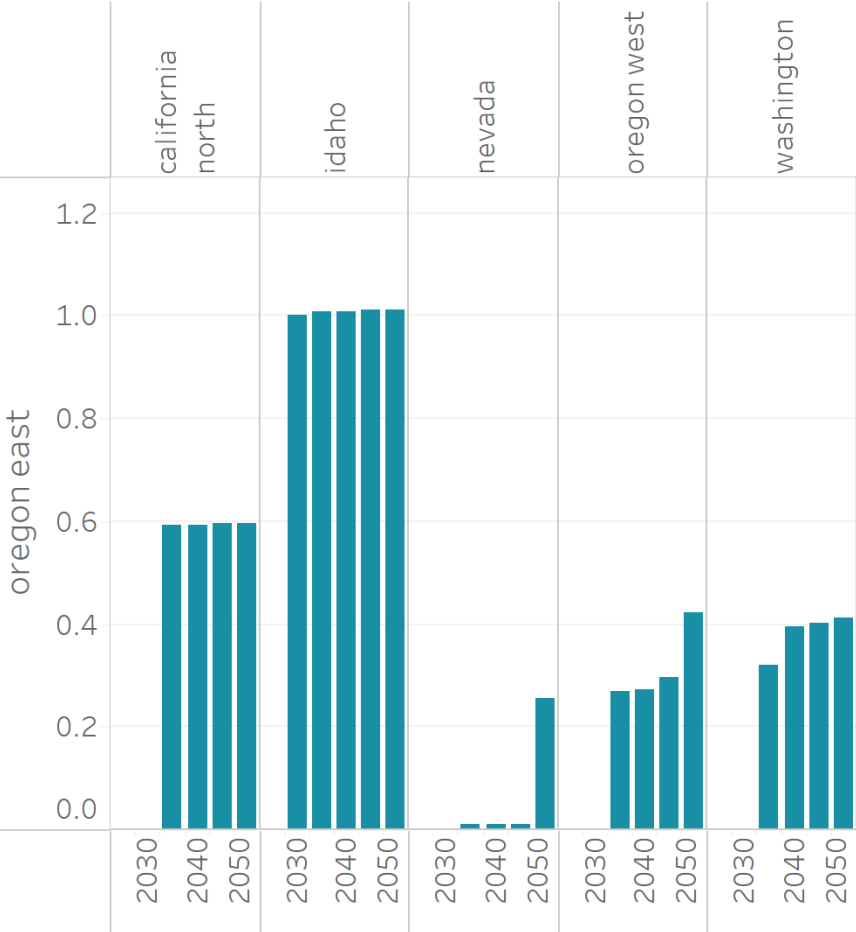
(Slide corrected 2/12/2025)

KEY FINDING #3

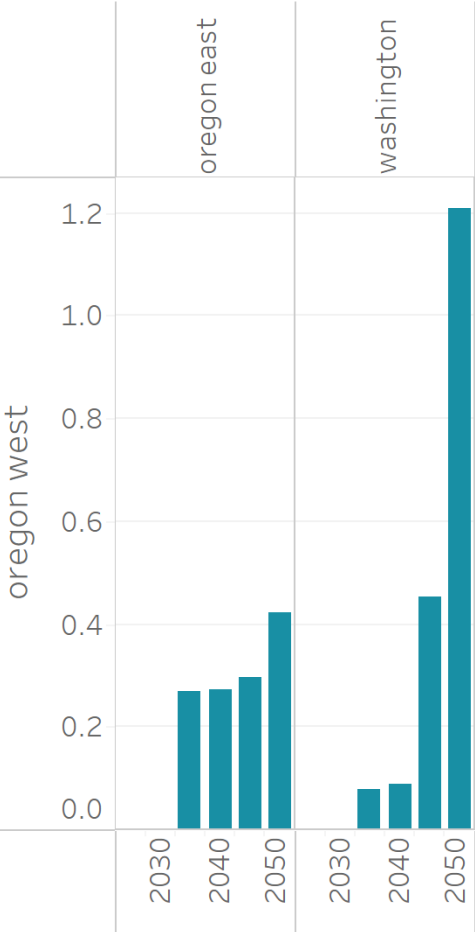
Oregon Does Not Have Sufficient Physical Transmission Capacity to Meet the Modeled Electricity Flows

CHART FROM TODAY'S PRESENTATION

Tx Additions: OR East to Other Zones (GWs)



OR West to Other Zones (GW)

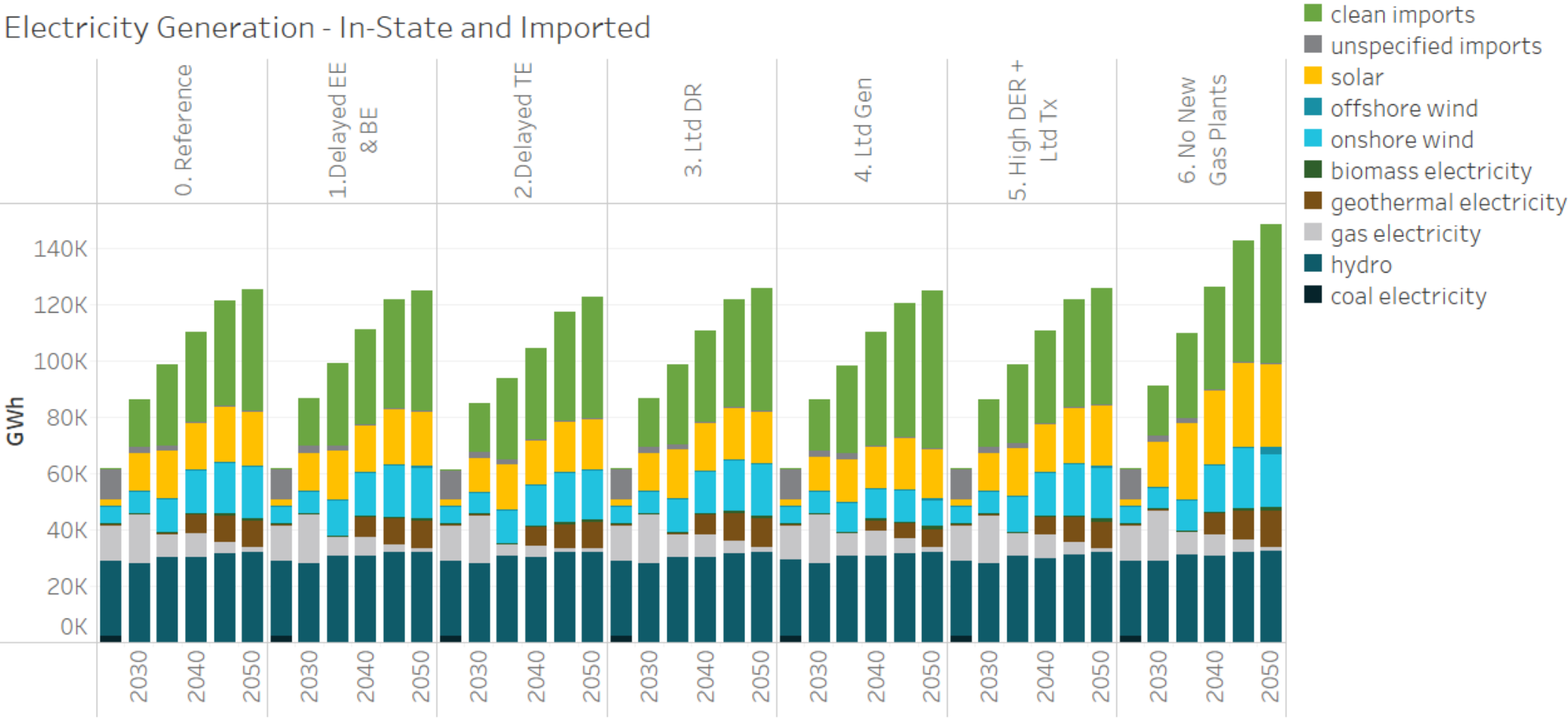


KEY FINDING #4

**The Model Consistently
Built More Generating
Capacity**

CHART FROM TODAY'S PRESENTATION

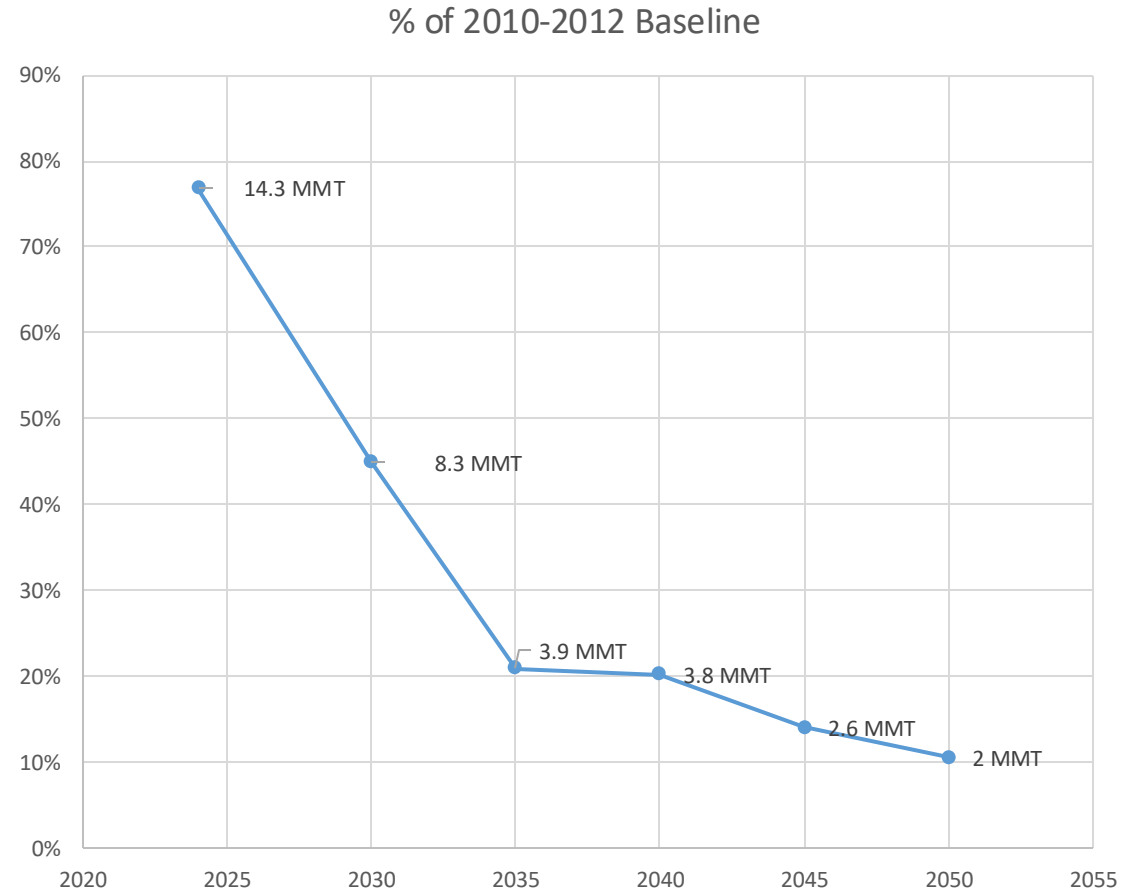
Electricity Generation - In-State and Imported



KEY FINDING #5

Decarbonizing Oregon's Electricity May Require More Policy Action

CHART FROM TODAY'S PRESENTATION



MODELING PROVIDES DIRECTION

Direction from the modeling includes:

- Even with aggressive levels of energy efficiency, the electricity sector must expand significantly to remain reliable
- The model selects transmission expansion as part of a least-cost portfolio
- The model selects a diverse mix of generation technologies as part of a least-cost portfolio
- HB 2021 drives near-term decarbonization, but EO 20-04 requires action beyond HB 2021
- There are competing priorities with in-state and out-of-state resource development, and a diverse mix of resources is likely the least risky approach

In brief, electricity is a key fuel for Oregon to meet its climate goals. There are different pathways for expanding our system but in all scenarios the electricity sector must expand significantly.

Policy Working Group Process

MODELING PROVIDES DIRECTION

Direction: Electricity is a key fuel for Oregon to meet its climate goals. There are different pathways for expanding our system but in all scenarios the electricity sector must expand significantly.

With that direction, we will discuss how Oregon might:

- Facilitate responsible development of electricity infrastructure in Oregon
- Promote resilience for Oregon communities
- Enhance the availability and efficient usage of transmission regionally
- Foster regional collaboration and efficient resource sharing

DEVELOPING RECOMMENDED POLICY ACTIONS

	Issue statement	Proposed strategies to address barriers	Proposed policy actions
Building Electrification	“Heat pumps (space and water heaters) face barriers that have limited adoption. With adequate policies to increase adoption, Oregon can reduce costs of the clean energy transition”	<ul style="list-style-type: none"> Expand <u>residential</u> access by funding organizations that can increase outreach and add repair funds to programs Adapt energy code for clean energy goals 	<ul style="list-style-type: none"> CONTINUE existing HP programs and EXPAND to target underserved customers NEW: incorporate rebates for repair funds and adapt energy codes towards points-based standard that favors low to no emission heating equipment FURTHER STUDY: Pilot programs to incentivize and compensate ratepayers for demand response
Energy Efficiency			
Rooftop Solar and Batteries			
Demand Response			

OUR MATRIX

	Issue statement	Proposed strategies to address barriers	Proposed policy actions
Responsible Development in Oregon			
Local Resilience			
Regional Transmission			
Interdependence			

STEP BY STEP PROCESS

Today



Meeting 2



Meeting 3



Meeting 4



	Issue statement	Proposed strategies to address barriers	Proposed policy actions
Responsible Development in Oregon			
Local Resilience			
Regional Transmission			
Interdependence			

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CONSIDERATIONS

For our next meeting, please consider:

- What are the primary barriers or competing priorities in these areas?
- What existing policies are in place to address those barriers?
- Where are additional policies or programs needed?



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

Public Comment Portal:

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