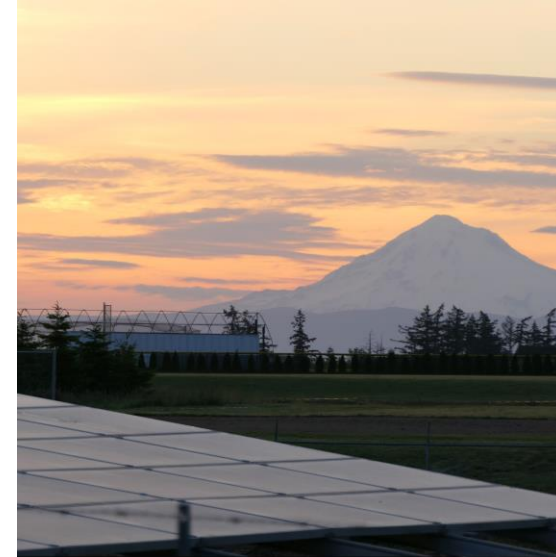


Oregon Department of **ENERGY**

**Oregon Energy Strategy
Policy Working Group**
Plenary Meeting #1

Edith Bayer
February 12, 2025





OREGON DEPARTMENT OF ENERGY

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

Our Mission

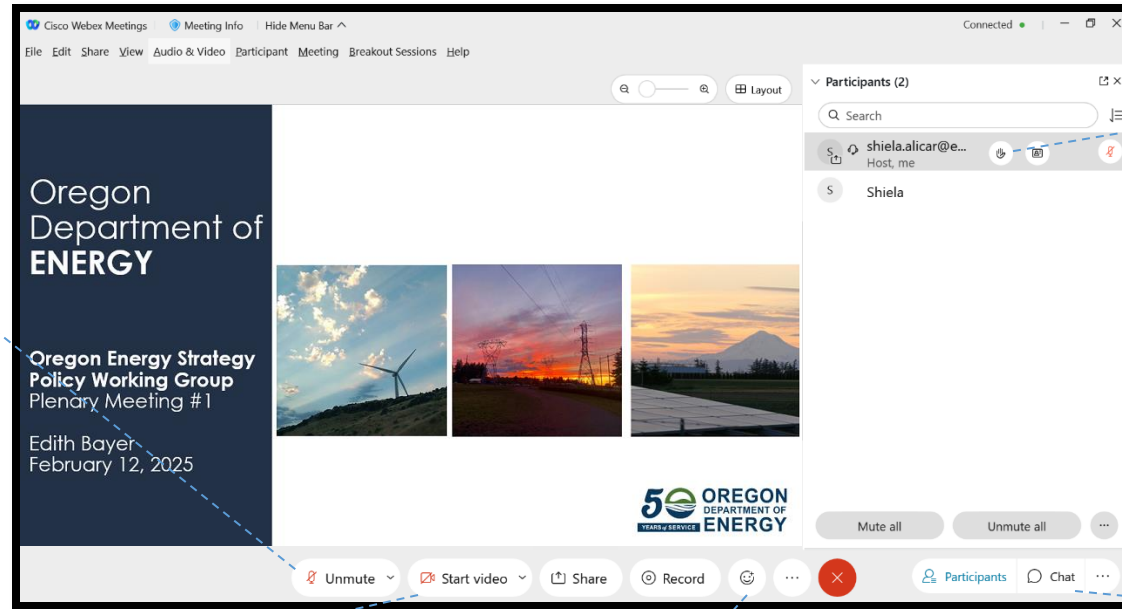
The Oregon Department of Energy helps Oregonians make informed decisions and maintain a resilient and affordable energy system. We advance solutions to shape an equitable clean energy transition, protect the environment and public health, and responsibly balance energy needs and impacts for current and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

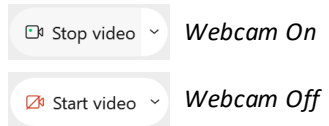
USING WEBEX



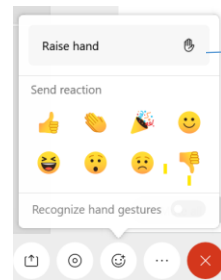
Audio Options



Video Options



Reactions



Click to Raise your hand.

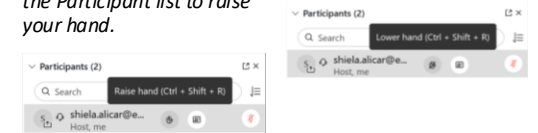


Click on Lower hand when you are done.

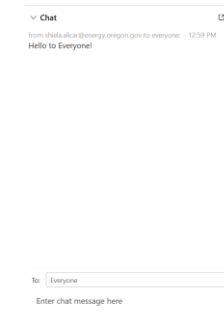
Second Raise Hand Option

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.

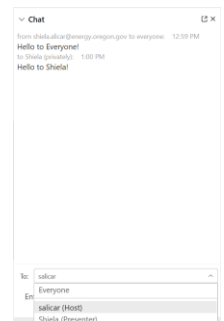


Chat



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).



Meeting Objectives

- Familiarize Policy Working Groups with what to expect
- Present on key findings & methodology from the modeling
- Kick off topical Policy Working Groups through breakout discussions



AGENDA

9:00 a.m.	Introduction to Role of the Working Groups	Edith Bayer, Oregon Department of Energy
9:30 a.m.	Modeling: Methodology and Key Findings	Jeremy Hargreaves, Evolved Energy Research
10:45 a.m.	Break- 10 Minutes	
10:55 a.m.	Q&A	Jeremy Hargreaves, Evolved Energy Research Edith Bayer, Oregon Department of Energy
11:15 a.m.	Breakout Group Introductions*	<ul style="list-style-type: none"> • Jillian DiMedio, Transportation Electrification • Joni Sliger, Developing Clean Electricity Generation and Transmission • Michael Freels, Low Carbon Fuels • Rob Del Mar, Building Efficiency, Electrification, and DERs
12:00 p.m.	Meeting close	

*Members of the Environmental Justice and Equity Working Group, being led by **Lauren Rosenstein**, are invited to join other working groups.

GROUND RULES

- 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 chat conversations.



Background on the Energy Strategy

WHY DOES OREGON NEED AN ENERGY STRATEGY?

Charting a
Course for
Oregon's
Energy Future



- 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

LEGISLATIVE GUIDANCE

Identify different pathways to achieve the state's energy policy objectives, and use this information to inform discussions on energy policies to achieve the goals.



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 engagement and how diverse perspectives informed the strategy

Overview of the Policy Working Groups

FRAMEWORK FOR DIALOGUE

Tribal Consultation

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

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 informing policy recommendations
- Subject matter experts able to engage in identification of gaps and needs
- Meet over ~ 3 months in early 2025

Interagency Steering Group

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

Public Forum: Listening Sessions

- Collecting broad views from across the state
- Anyone can and is encouraged to join

POLICY WORKING GROUPS

Environmental Justice and Equity

Building Efficiency, Electrification, and DERs

Developing Clean Electricity Generation and
Transmission

Low-Carbon Fuel Solutions

Transportation Electrification

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

ROLE OF WORKING GROUPS

What the role is:

- Substantively engage on results of modeling, technical analyses, and potential pathways
- Consider the costs and benefits of different pathways
- Identify barriers and policy gaps
- Surface near-term policy ideas for consideration

What the role is *not*:

- Revisit the modeling inputs or analyses
- Determine a "best" pathway
- Vote on policy recommendations
- Make final decisions about policy recommendations
- Provide only voice informing this discussion

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.**

STRUCTURING MEANINGFUL ENGAGEMENT

Platform for Dialogue

- Groups will discuss modeling results, identify barriers to meeting decarbonization targets, and provide potential policy solutions

Importance of All Perspectives

- There will be diverging perspectives and interests
- Raising these perspectives is an essential part of the process

Seeking Areas of Alignment

- Groups encouraged to seek common ground
- Alignment for policy solutions – particularly across varied perspectives – provides strong message

ODOE's Role

- Facilitate discussions, record feedback, and work to clarify recommendations
- Consider discussions and recommendations developed in Working Groups when drafting policy recommendations
- Provide opportunities for feedback

Transparency

- Meetings will be recorded and open to the public
- Iterative process

PROCESS FOR DEVELOPING RECOMMENDATIONS

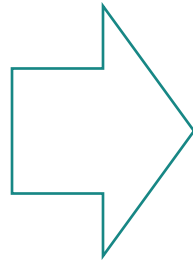
Feb - April

Working Groups

Advisory Group

Inter-Agency Group

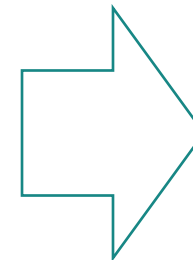
Public Forums



May

ODOE staff engages & reviews all input from each group. Produces early draft recommendations.

Opportunity to comment on early draft recommendations:
Working Groups
Advisory Group
Inter-Agency
Steering Group



May - June

Draft recommendations presented publicly



Written feedback

June - August

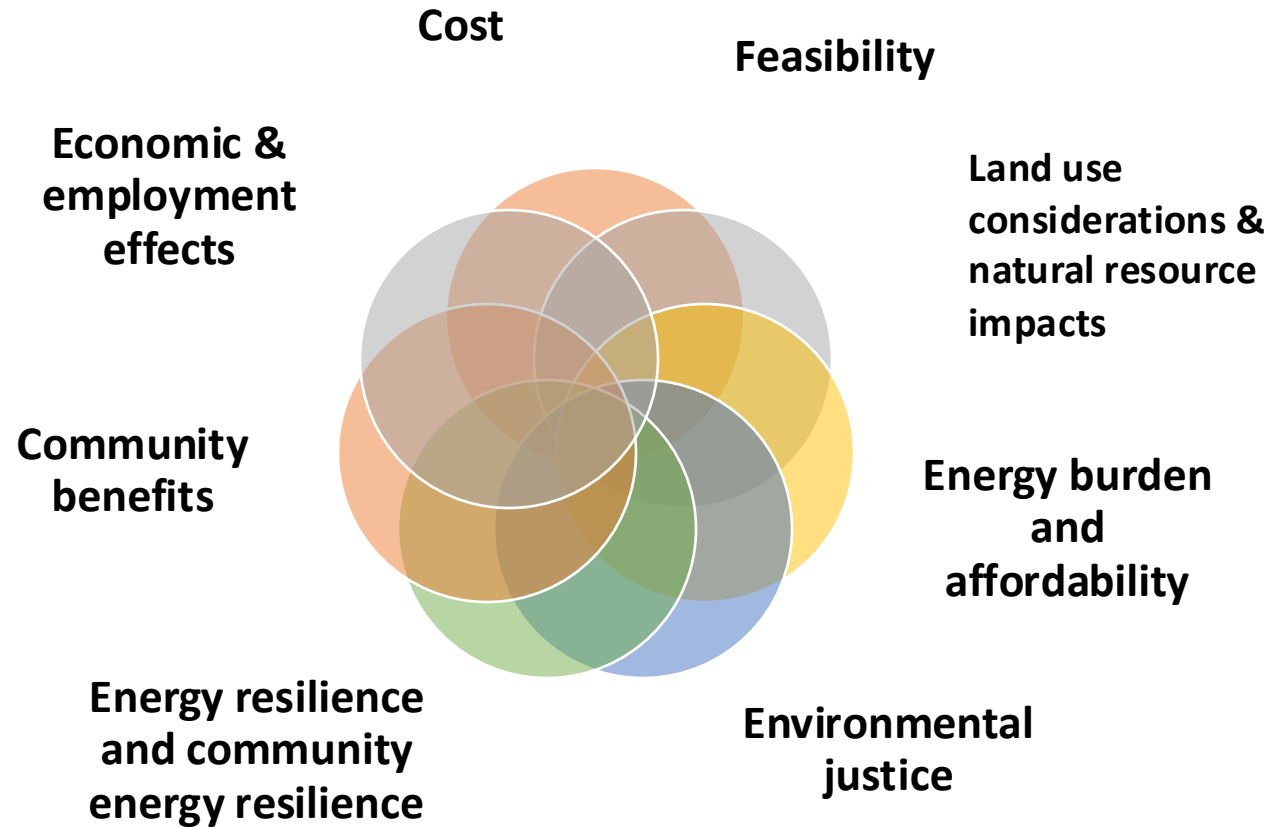
ODOE finalizes recommendations & drafts report

Final feedback on draft report

THE MODELING CONSIDERED

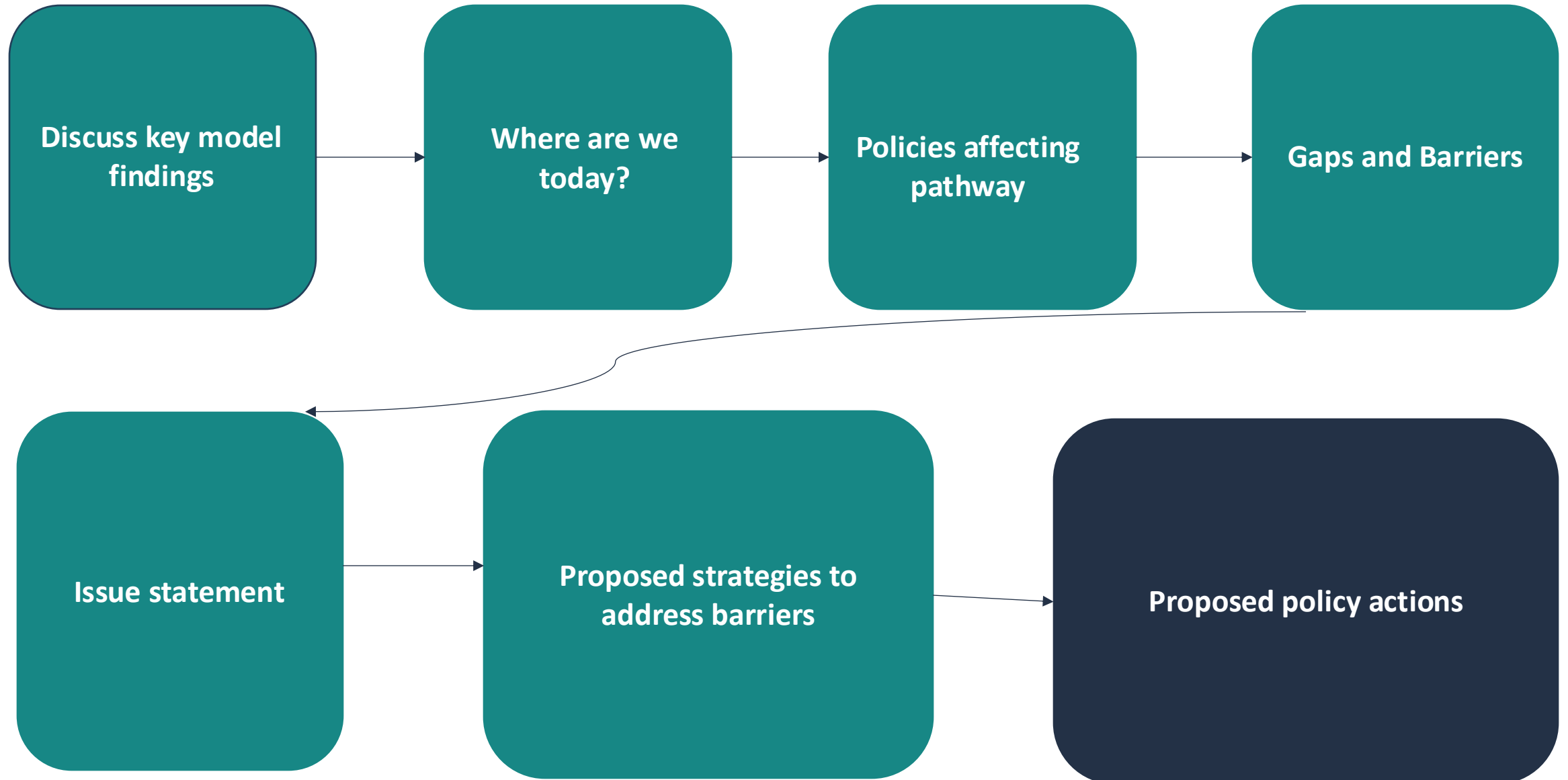
- State laws, policies, and targets regarding energy and GHG emissions
- Existing energy and integrated resource plans
- Energy-related studies and data analysis
- State energy policy objectives
- State energy demand and trends
- Energy resources and technologies
- Emerging technologies

KEY CONSIDERATIONS



How will engagement work?





Example for illustration

Key Finding

Per capita residential energy use falls by 47%, largely due to the transition to heat pumps (HP)

Where are we today?

Policies affecting pathway

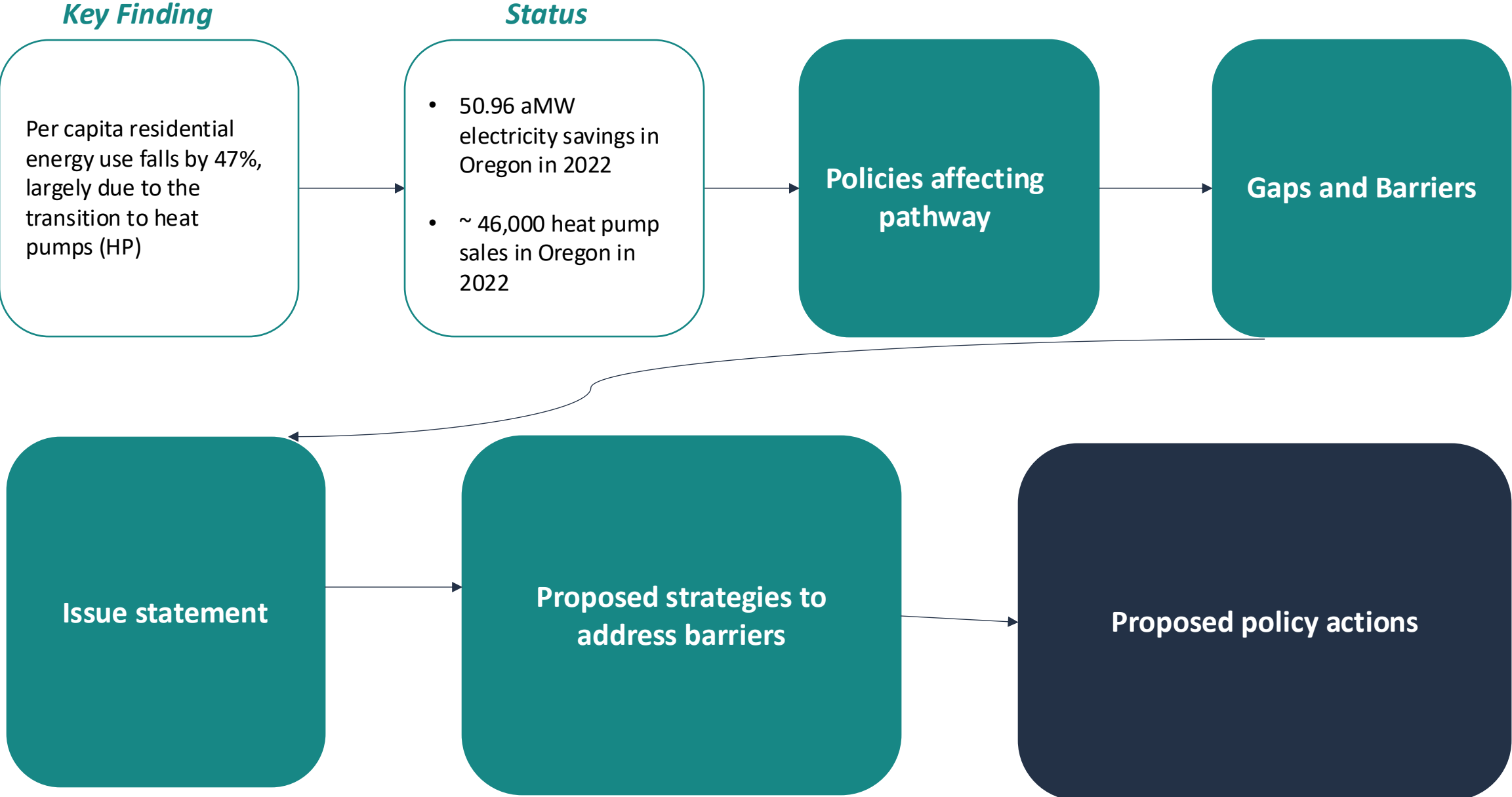
Gaps and Barriers

Issue statement

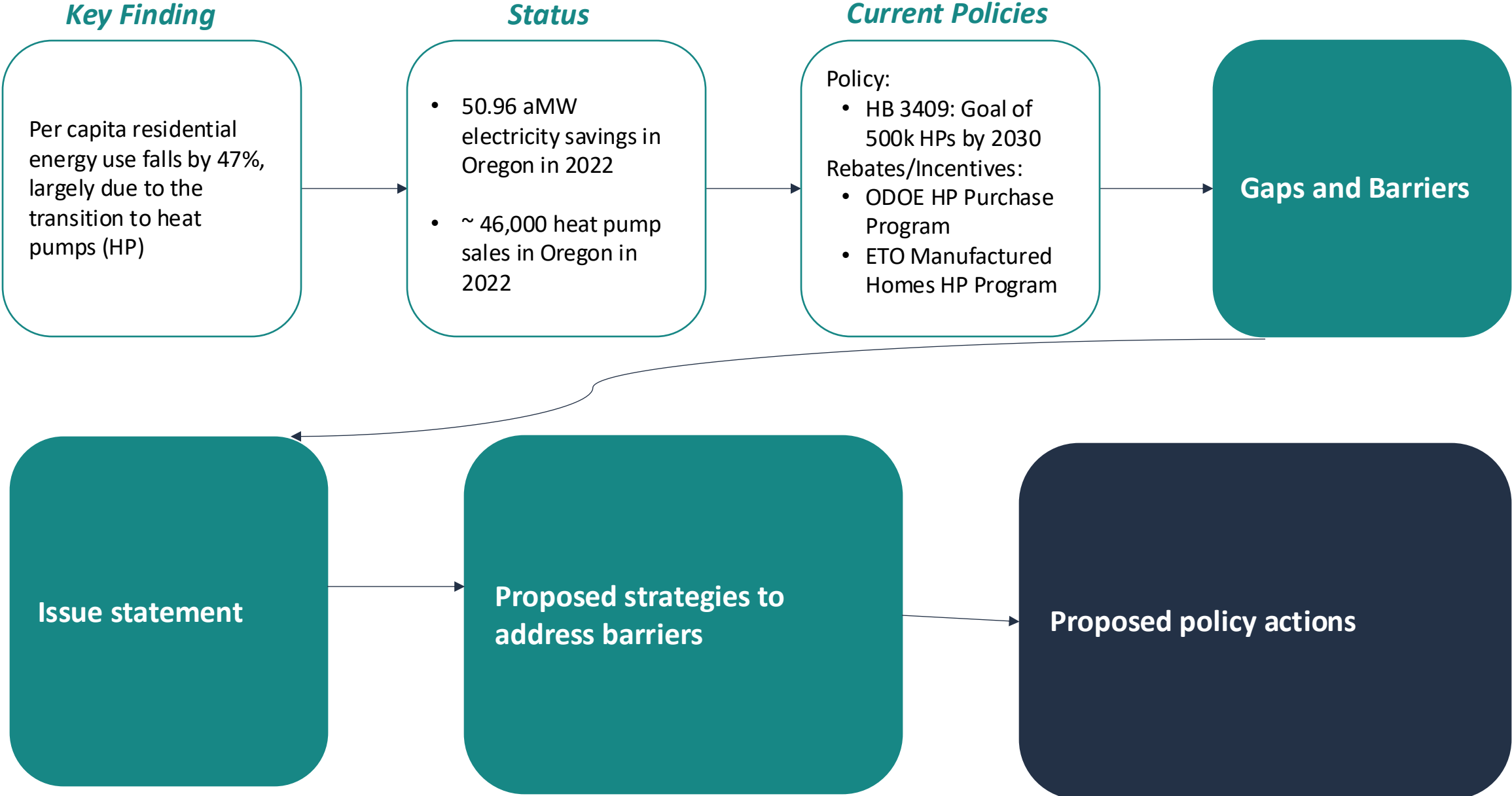
Proposed strategies to address barriers

Proposed policy actions

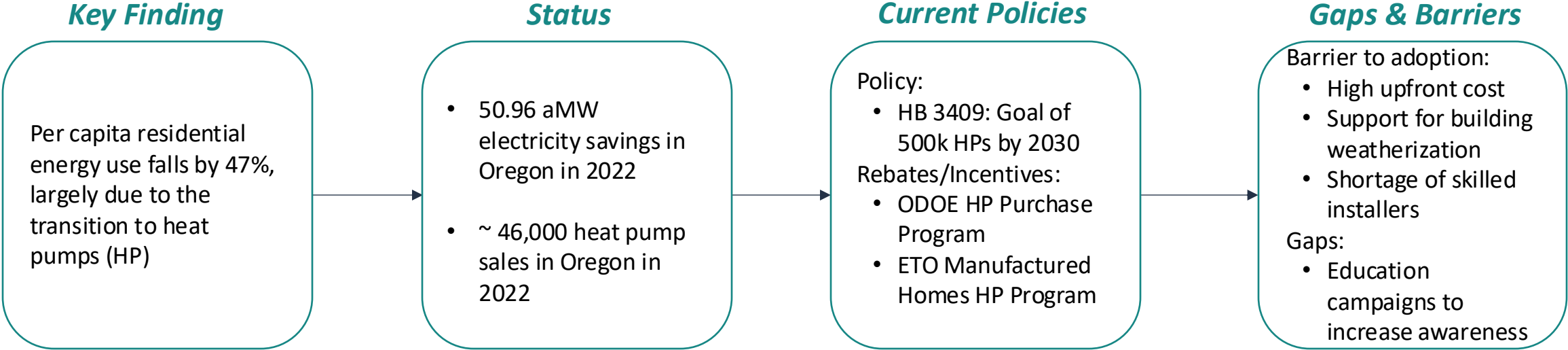
Example for illustration



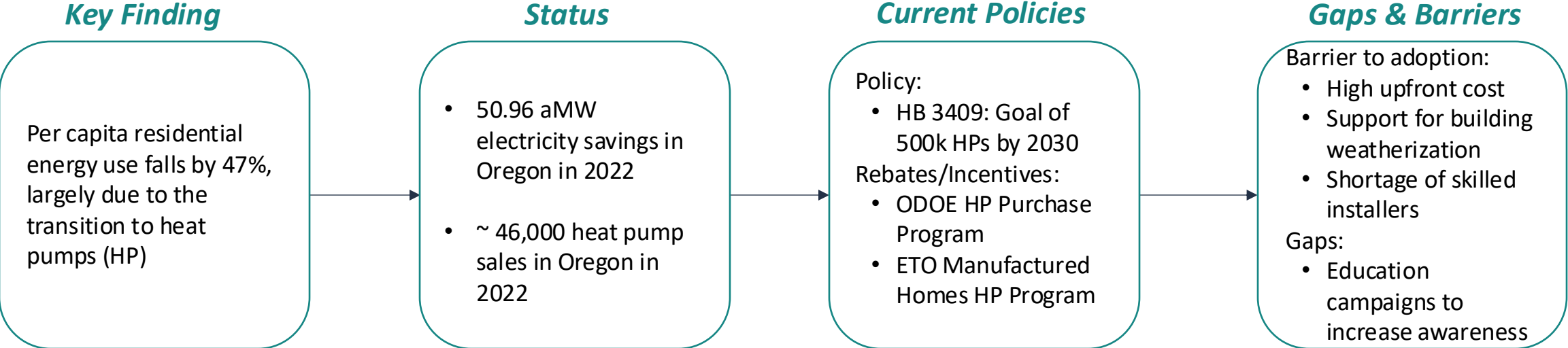
Example for illustration



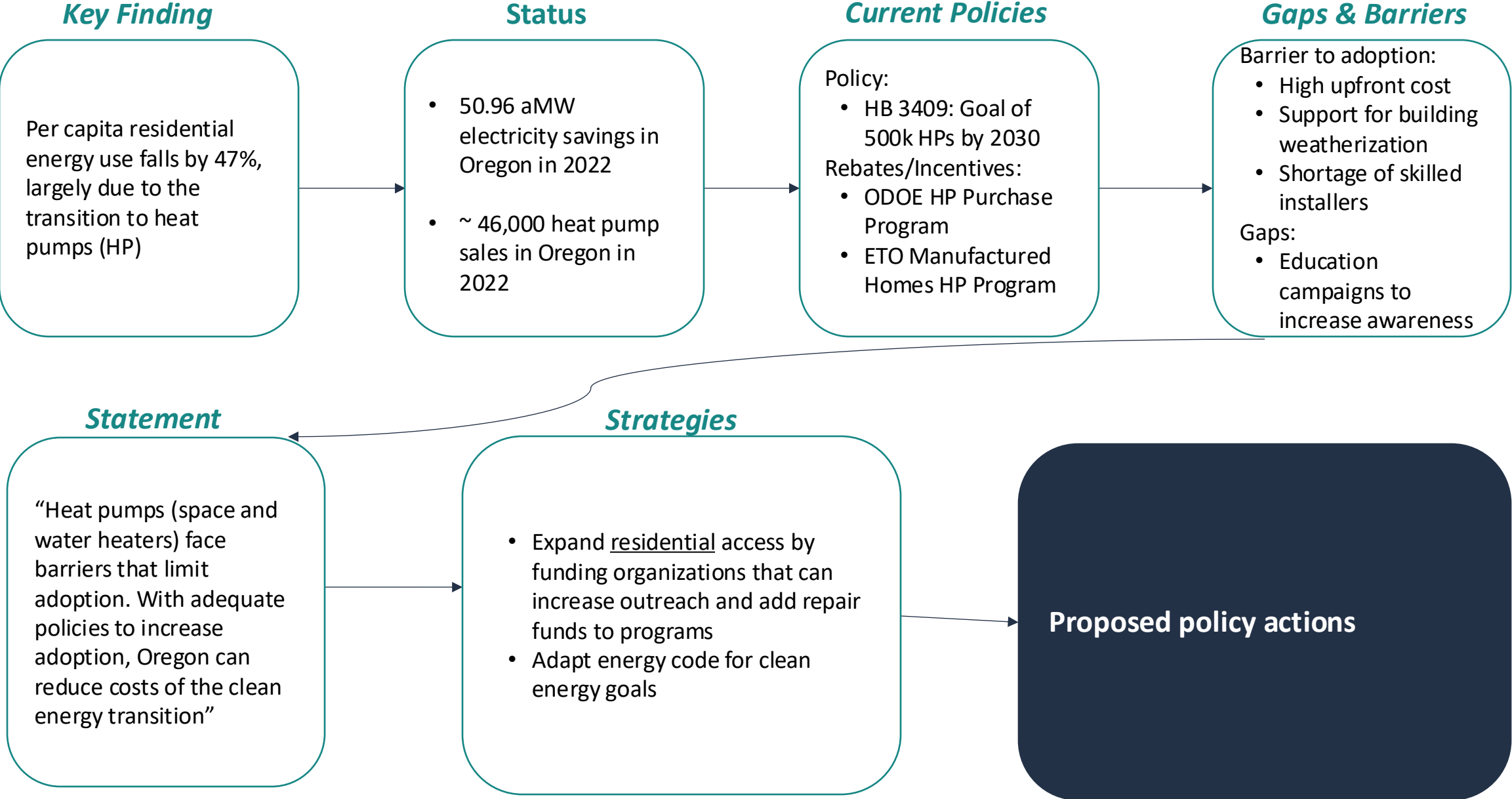
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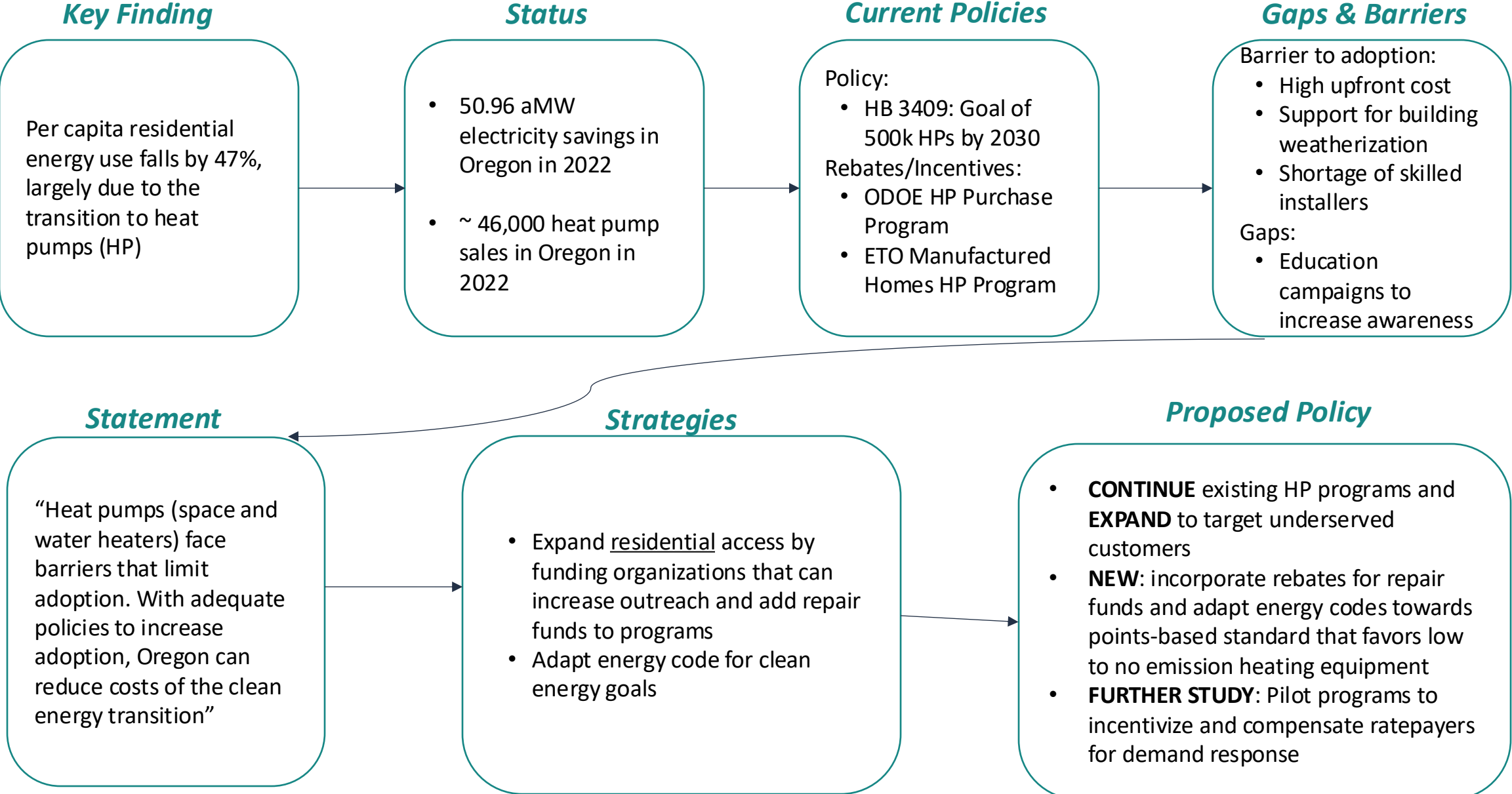
Example for illustration



Example for illustration



Example for illustration



PATHWAYS, POLICIES, BARRIERS

Example for illustration

	Key model findings	Where are we today?	Policies affecting pathway	Gaps and Barriers
Building Electrification	Per capita residential energy use falls by 47%, largely due to the transition to heat pumps (HP)	<ul style="list-style-type: none"> - 50.96 aMW electricity savings in Oregon in 2022 - ~ 46,000 heat pump sales in Oregon in 2022 	Policy: <ul style="list-style-type: none"> - HB 3409: Goal of 500k HPs by 2030 Rebates/Incentives: <ul style="list-style-type: none"> - ODOE HP Purchase Program - ETO Manufactured Homes HP Program 	Barrier to adoption: <ul style="list-style-type: none"> • High upfront cost • Support for building weatherization • Shortage of skilled installers Gaps: <ul style="list-style-type: none"> • Education campaigns to increase awareness
Energy Efficiency				
Rooftop Solar and Batteries				
Demand Response				

DEVELOPING RECOMMENDED POLICY ACTIONS

Example for illustration

	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			

MEETING SCHEDULE (UPDATED)

Feb 12

**Working Group
Policy Plenary**
(All Working Groups)

Feb 12 – Mar 5

EJ and Equity

**Transportation
Electrification**

Low Carbon Fuels

**Developing Clean
Electricity
Generation and Tx**

**Building Efficiency,
Electrification, and
DERS**

Mar 14 – Apr 14

EJ and Equity

**Transportation
Electrification**

Low Carbon Fuels

**Developing Clean
Electricity
Generation and Tx**

**Building Efficiency,
Electrification, and
DERS**

April 30, 9am-12pm

EJ and Equity 9-11

**Transportation
Electrification**

April 30, 2pm-5pm

Low Carbon Fuels

**Developing Clean
Electricity
Generation and Tx**

May 7

**Building Efficiency,
Electrification, and
DERS**

May 21

**Final Working
Group Policy
Plenary**
(All Working Groups)

FOCUS OF MEETINGS

Feb 12

**Working Group
Policy Plenary**
(All Working Groups)

Feb 12 – Mar 5

Discuss key findings

Existing policies

Gaps and barriers

Mar 14 – Apr 14

Energy wallet

Air quality modeling

Geospatial mapping

Key issues

Strategies & policy
actions

April 30

Strategies & policy
actions cont.

May 7

Building Efficiency,
Electrification, and
DERS

May 21

**Final Working
Group Policy
Plenary**
(All Working Groups)

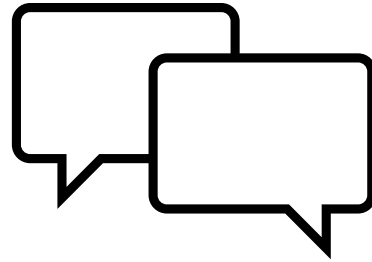
Present draft policy
recommendations

Additional Meetings

- Presentation of Complementary Analysis
 - Being re-scheduled – date TBD
- Jobs study
 - ~July, with deeper policy discussions following more in-depth workforce analysis



OPPORTUNITIES FOR PUBLIC COMMENT



Provide written public comment

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

Thank You!

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