

REBuilding Task Force

May 17, 2022

3:00-5:00pm

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nbi new buildings
institute



Welcome, Roll Call, and Agenda Review

AGENDA

- 3:00 - Welcome and Agenda Review
- 3:10 - Consultant Team Introductions
- 3:20 - Review Work Plan and Key Topics for Task Force Discussion
- 4:00 - Task Force Member Questions and Discussion of Work Plan
- 4:50 - Next Steps and Adjourn

Actions: No Task Force Actions Today

Meeting Purpose: Introduce consultants, review and discuss work plan

PARTICIPATION TIPS

- Meeting is being livestreamed and will be posted on the Oregon State Legislature Website
- "Raise your hand" to get in the queue to speak or press *5 on your phone
- Press *6 to unmute on your phone.
- Take breaks as needed.
- Email host with technical issues (Beth.Reiley@oregonlegislature.gov)
- Provide comments verbally rather than chat
- Meeting information: <https://olis.oregonlegislature.gov/liz/2021I1/Committees/JTFREB/Overview>

DISCUSSION GUIDELINES

- Honor the agenda
- Seek to hear from everyone (share the air)
- Focus on interests and values, not positions
- Assume and practice good intent
- Listen to understand
- Be hard on the issues, soft on the people
- Sit in each other's shoes and practice acknowledgement

Consultant Team Introductions

- RMI
- New Buildings Institute
- Kearns & West

Review Work Plan and Key Topics for Task Force Discussion

- RMI
- New Buildings Institute

LEGISLATION REVIEW: SB 1518

Why are we here?

“The Task Force Shall:

(a) Identify and evaluate policies related to building codes and building decarbonization for new and existing buildings that would enable this state to meet the greenhouse gas emissions reduction goals set forth in ORS 468A.205 while maximizing additional benefits, such as increasing energy efficiency, improving resilience against climate change, improving public health and air quality, reducing the percentage of household income that goes toward energy costs and mitigating displacement and toward mitigating other impacts that result from wildfires, heat waves and other climate change events; (b) Consider, in developing the task force’s recommendations, costs, savings and benefits of policies that relate to residential, commercial and industrial buildings, which may include:

“Upfront and longer-term economic, environmental, climate and health costs, savings and benefits, along with lifecycle emissions and the social cost of carbon...”

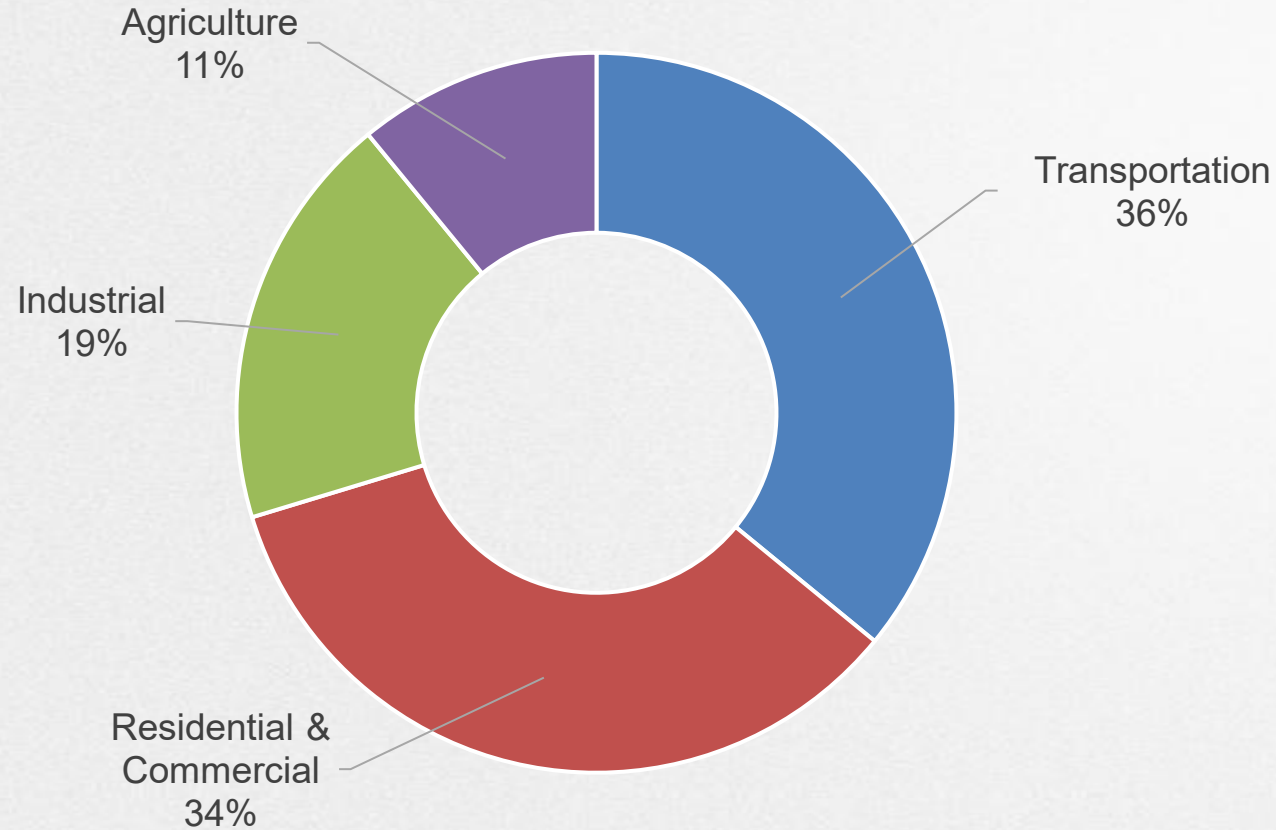
LEGISLATION REVIEW: SB 1518

Who are these consultants?

- “(e) Contract, in consultation with the cochairs of the task force and through the Legislative Policy and Research Office, with a contractor that can provide process facilitation, necessary data, technical expertise or advice on best practices for meeting the requirements set forth in this subsection; and
- (f) Perform as needed other tasks supplemental or related to the tasks described in this subsection.”

In Oregon, buildings account for 34% of greenhouse gas emissions

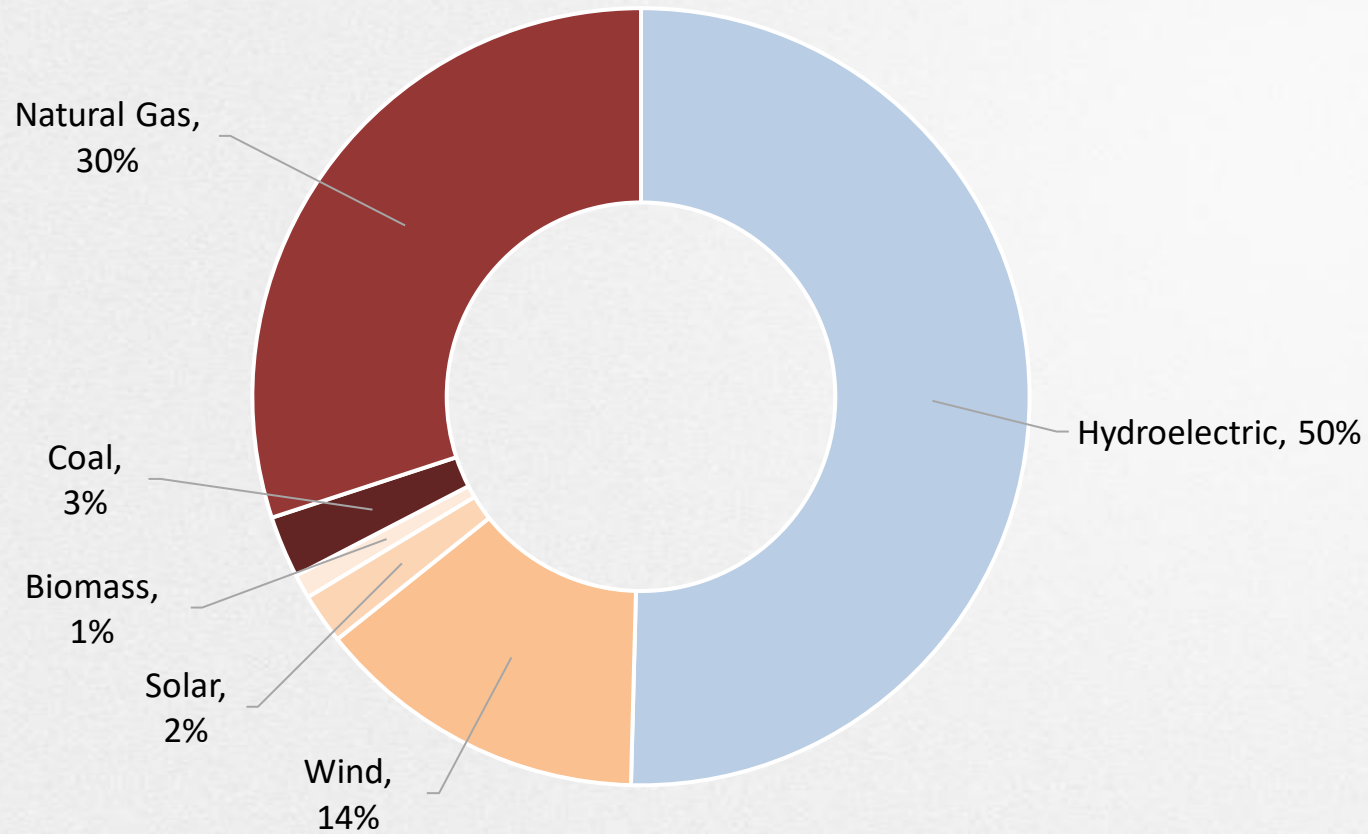
Greenhouse Gas Emissions by Sector
2019



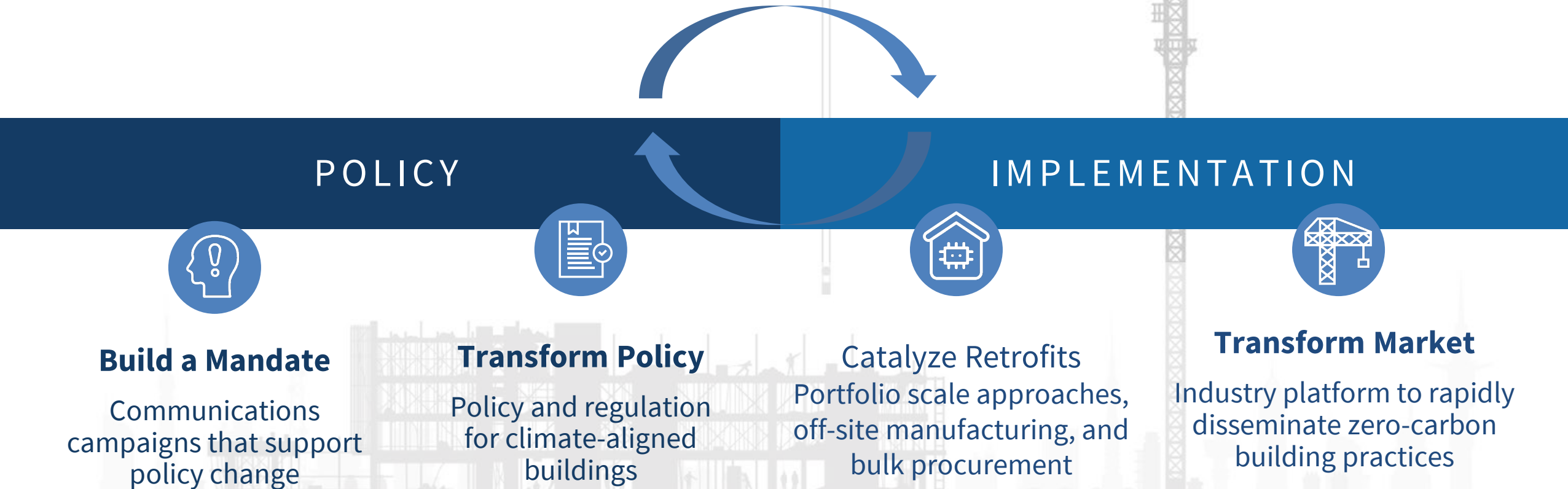
In Oregon, 67% of electricity already comes from carbon-free sources

Electricity Generation by Fuel Type

2020, All Sectors



What do we have to do to transform the building sector?



Workplan Review

- a. Phase 1: Discovery and Process Design (May – July 2022)
 - i. Alignment on process/workplan.
 - ii. Research on decarbonization policies.
 - iii. Deliver Task A.
- b. Phase 2: Understand and Align (July – Sep 2022)
 - i. ID policy scenarios to model.
 - ii. Model building decarb strategies.
 - iii. Deliver Draft Task A, B and C.
- c. Phase 3: Align and Confirm (Oct – Dec 2022)
 - i. Confirm final policy findings and recommendations and agree on final output for the legislature.
 - ii. Deliver Task D report and data from Tasks B

Project Structure



Division of Responsibilities

Task	RMI	NBI	Kearns & West
Project Management	Prime Contractor	Sub	Sub
Task A Synthesize Current Decarb Policy Precedents	Technical Support	Lead	
Task B Data and Analysis for Decarb Strategies	Lead	Technical Support	
Task C Sector and System Economic Impact Analysis	Lead	Technical Support	
Task D Report on Strategies to Improve Resiliency	Technical Support	Lead	
Task E Stakeholder Engagement and Task Force Facilitation	Support	Support	Lead

Project Timeline (2022)

May	June	July	Aug	Sept	Oct	Nov	Dec
17: TF meeting #4	14: TF meeting #6	12: TF meeting #7	9: TF meeting #8	13: TF meeting #10	11: TF meeting #12	15: TF meeting #14	
31: TF meeting #5		15: Final Task A memo due	23: TF meeting #9	27: TF meeting #11	25: TF meeting #13	30: Final Task D report due	
		15: Outline for Task D report due		30: Final Task B and C analysis due			
				30: Draft Task D report due			

Overview of Task A: Identify Building Decarbonization Strategies

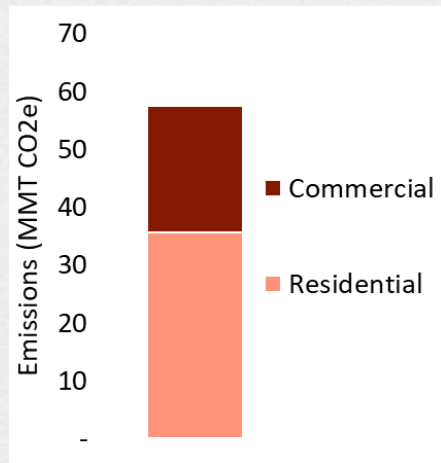
- Summarize decarbonization approaches undertaken in other U.S. states and internationally, to address emissions from the buildings sector
- Solicit input from the Co-Chairs and Task Force on priority areas of focus to ensure that the research reflects the Task Force's areas of interest and the information that will be most valuable to the Oregon Legislative Assembly
- Incorporate experiences from other jurisdictions, as well as information from available policy and program databases, best practices reports, and contacts with jurisdiction representatives

Outcome (mid-July): Memo summarizing current decarbonization policies, with recommendations for Task Force consideration

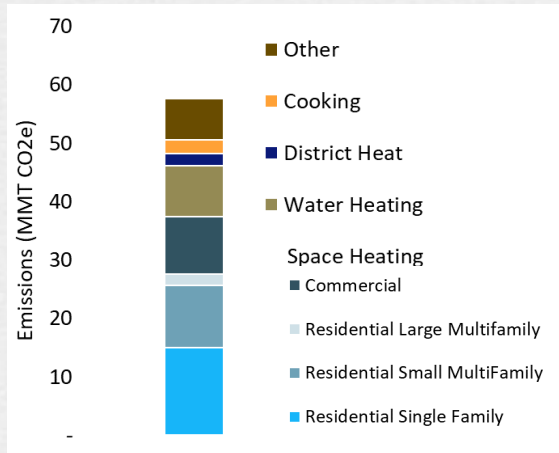
Overview of Task B & C: Analysis and Modeling

As we identify priority areas in phase 1, quantitative analysis will be used to support the identification of high impact areas for action.

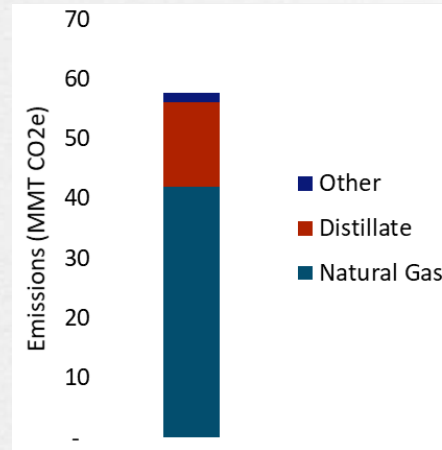
Outputs sizing up the problem to determine high value segments of the building industry



Buildings emissions by building type



Buildings emissions by subsector

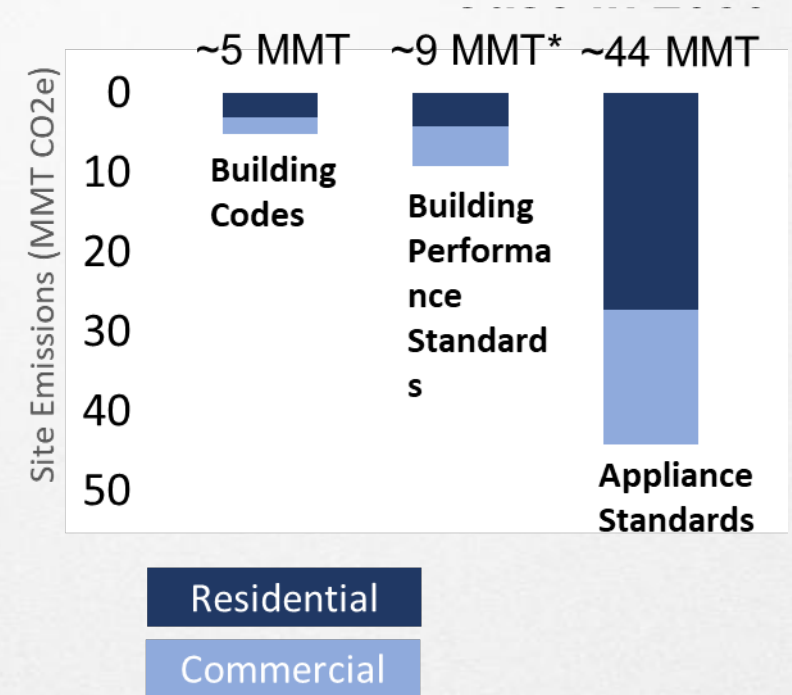


Buildings emissions by fuel

Notes:

1. These examples are based on data from New York State, not Oregon

Outputs evaluating the carbon value of specific actions



Overview of Task D: Report on Strategies to Increase Building Decarbonization

- Summarize the efforts undertaken in a final report of Task Force findings and its recommendations, including input and feedback from the Task Force
- Include all relevant policies and programs related to building decarbonization under Task A, as well as the analysis and simulation of the selected policies in Tasks B and C
- Include relevant summary information and data to support the Legislative Assembly's decision making and include relevant contextual information for Oregon residents and businesses

Outcome (end-November): Summary report outlining Task Force process, analysis and recommendations (outline in mid-July, draft end-September)

Task Force Feedback: Potential Discussion Topics

- National and International Landscape
- Buildings' Role in Climate Resiliency and Recovery
- Disadvantaged Communities
- Market Development
- Incentives
- Building and Energy Codes
- Existing Building Policies
- Oregon Energy Supplies for the Building Sector

As we discuss each of these, consider:

- **What priority building-related topics are missing from the discussion?**
- **Are there examples or speakers for these topics that you would like to hear from?**

Potential Discussion Topics – National and International Landscape

- Overview of precedent example legislation in other states to be analyzed; existing studies
- Path to 2035 in Washington
- Oregon Global Warming Commission - Transformational Integrated Greenhouse Gas Emissions Reduction (TIGHGER) Project
- Other state legislation – Colorado, Maryland
- Appropriate international examples per Task A research

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Potential Discussion Topics - Climate Resiliency and Recovery

- Fire and smoke impacts
- Heat waves, urban heat island, and impacted communities
- Flooding
- Coastal Inundation
- Displacement
- Adaption/Future proofing

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Potential Discussion Topics – Disadvantaged Communities

- Energy cost burden
- Environmental justice
- Lessons from Portland community engagement process
- Overview of New York State Energy Research and Development Authority (NYSERDA) programs

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Potential Discussion Topics – Market Development

- Business case for building owners
- Employment opportunities and workforce development
- Overview of NYSERDA Roadmap

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Potential Discussion Topics - Incentives

- New York – Decarbonization Policies - Carrots and Sticks
- California – California Public Utilities Commission (CPUC)
- Decarbonization, Resiliency and Utility Incentives – Energy Trust of Oregon, Bonneville Power Administration (BPA)

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Potential Discussion Topics – Building and Energy Codes

- Design for Decarbonization and Resiliency: OR Homes
- Design for Decarbonization and Resiliency: OR Commercial
- Paths and Challenges to meet goals outlined in EO 20-04

As we discuss each of these, consider:

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Potential Discussion Topics – Existing Buildings Policies

- Building Performance Standards -Washington Department of Commerce, New York City
- HEART Standard - Portland
- Appliance Standards – California Air Resources Board (CARB) and Oregon Department of Energy (ODOE)

As we discuss each of these, consider:

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Potential Discussion Topics – Oregon Energy Supply for Buildings

- Grid Impacts- NW Power and Conservation Council and California Energy Commission (CEC)
- Planning for the Future of Delivered Gas in Oregon- Oregon Public Utilities Commission (OPUC) and NW Natural

As we discuss each of these, consider:

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Task Force Member Questions and Discussion on Work Plan

DISCUSSION GUIDELINES

- Stay on topic: REBuilding Task Force Work Plan
- Seek to hear from everyone (share the air)
- Focus on interests and values, not positions
- Assume and practice good intent
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DISCUSSION QUESTIONS

- Any reflections on the overall workplan, tasks, and timeline?
- Any feedback on future Task Force meeting topics or other topics you would have expected to see?

**Thank You, Next Steps,
and Adjourn**

FUTURE MEETING DATES

- May 31, 3-5pm
- June 14, 3-5pm
- July 12, 3-5pm

Meeting information:

<https://olis.oregonlegislature.gov/liz/202111/Committees/JTFREB/Overview>