



# REBuilding Task Force

3:00-5:00 pm  
June 14, 2022

# Task Force Process

- ▶ Today's Presentation: Jamboard and Task Force Discussions/Presentations
- ▶ Purpose of Today's Meeting: Review Policy and Program Options
  - ▶ What thoughts do you have on the policies and programs in each bucket?
  - ▶ Are there additional examples of any of the policies that you would like to see discussed?
  - ▶ Would you like to see the Task Force explore any policies not included?
- ▶ Additional Proposals
- ▶ July 12<sup>th</sup> Meeting

# Policy Buckets

- ▶ Existing Buildings
- ▶ New Buildings
- ▶ Institutional/Public Buildings
- ▶ Incentives

# Task Force Considerations

- ▶ 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: (A) Upfront and longer-term economic, environmental, climate and health costs, savings and benefits, along with lifecycle emissions and the social cost of carbon;

# Existing Buildings



- Performance-Based Standards
- Benchmarking and Disclosure
- Focus on Older Homes
- Change Direction to Energy Trust of Oregon on Mission

# Existing Buildings



- Align Energy Efficiency Programs with State's Climate Goals
- Online Database of Time of Use Rates and Carbon Emissions
- Compare Hybrid Model to All Electric Model
- Building Electrification Study

# New/Existing Buildings

## Appliance Efficiency

- Hybrid Heating
- Reduce Electric Resistance Heating
- Appliance Standards in Context of Natural Replacement
- Remove Barriers to Customer Choice in Efficiency Programs
- Smart Appliance Standard/Using Technology to Manage Consumption
- Subsidize High Efficiency Heat Pumps
- Create a Zero NOx Appliance Standard

# New Buildings



- Guide Builders and Designers
- Building Performance Standards
- Allow Jurisdictions to Adopt Building Codes
- Require EV-Ready Commercial and Multifamily Developments
- Embodied Carbon of Building Materials
- Limit Greenhouse Gas Emissions by Square Foot



# New Buildings

## Building Code Adoption Process and Suggested Changes

- Energy Code Board
- Carbon vs. Energy as a Metric
- Integrate Greenhouse Gas Reduction, Climate Mitigation, and Resilience Considerations
- Consider Health Impacts
- Individual Building Codes
- Encapsulate Oregon's Executive Order Goals for Codes via Legislation
- Nothing, Codes are on Track

# Institutional/Public Buildings

- Examine and Report on Concrete Procurement
- Standards for Public Buildings
- Ensure Public Buildings “Walk the Talk”
- Utilizing Technology to Drive Energy Efficiency Savings

# Financial Tools and Incentives

- ▶ Existing Buildings
- ▶ New Buildings
- ▶ Institutional/Public Buildings

# Existing Buildings



Financial Tool/Incentive	Example
<p><a href="#">Property Assessed Clean Energy (PACE) Program</a></p> <ul style="list-style-type: none"> <li>Support Expansion of PACE Financing</li> <li>Enact Residential PACE Financing</li> </ul>	<p>Oregon <a href="#">PropertyFit</a></p>
<p>Heat Pumps and Building Materials</p> <ul style="list-style-type: none"> <li>High Efficiency Heat Pump and Water Heater Incentive Programs</li> </ul>	<p><a href="#">Oregon, SB 1536, 2022</a>  <a href="#">Colorado, SB22-051, 2022</a>  <a href="#">Colorado, HB 22-1362, 2022</a></p>
<p>Strong Communities and Affordable Housing</p>	<p><a href="#">Oregon Healthy Homes Program, HB 2842, 2021</a>  <a href="#">Colorado, HB22-1304, 2022</a>            California AB 1087</p>
<p>Energy Efficient Building Codes</p>	<p><a href="#">Colorado, HB 22-1362, 2022</a></p>
<p>Incentives for Efficient Installations in Existing Buildings</p> <ul style="list-style-type: none"> <li>Incentivize/Subsidize Energy Efficiencies in Existing Buildings Built Prior to 2010</li> </ul>	<p><a href="#">Oregon, SB 1536, 2022</a>            Washington: <a href="#">Weatherization</a>, <a href="#">Community Energy Efficiency Program</a></p>
<p>Air Quality</p> <ul style="list-style-type: none"> <li>Promote Incentivize and/or Subsidize Air Purification Systems</li> </ul>	<p><a href="#">Colorado, SB22-193, 2022</a></p>

# New Buildings



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# Institutional/Public Buildings



Financial Tool/Incentive	Example
<a href="#">Energy Retrofits for Public Buildings</a>	Washington: <a href="#">Energy Efficiency Grants</a> , <a href="#">Solar Grants</a> , <a href="#">State Project Improvement Grants</a>
Energy Efficient Building Codes	<a href="#">Colorado, HB 22-1362, 2022</a>