



Task Force on Resilient Efficient Building

Meeting Summary

81st Legislative Assembly

2021-2022 Interim

<p>Attendees</p>	<p>Senator Kate Lieber, Co-Chair Representative Pam Marsh, Co-Chair Representative Mark Owens Andrew Beyer Don Bohn Ashley Buchanan Elliott Gall Mike Goodrich Jay Hansen Kim Heiting</p>	<p>David Heslam Bob Jenks Scott Linfesty Jeff McGillivray Tricia Mooney Jairaj Singh Eli Spevak Matt Tidwell Lucy Vinis Bob Westerman</p>
<p>Absent</p>	<p>Senator Lynn Findley Anjeanette Brown Ernesto Fonseca Neil Baunsgard, Proxy Nora Apter Alex Boetzel, Proxy Erica Dunn Meredith Connolly, Proxy Greer Ryan Chris Forney, Proxy Clark Brockman</p>	
<p>Date/Time</p>	<p>3:00 pm, Tuesday, August 9, 2022 (recording).</p>	
<p>Meeting Topics</p>	<p>Existing Buildings Policy and Program Options Presentation and Task Force Discussion</p> <p>Align Energy Efficiency Programs with State’s Climate Goals</p> <ul style="list-style-type: none"> Enact Executive Order 20-04 which directed state agencies to take certain actions to reduce and regulated GHG emissions in statute. <p>Building Electrification Study</p> <ul style="list-style-type: none"> Building electrification, where fossil fuel-based energy systems are replaced by electricity, has been found by some states to be the lowest cost and primary building-decarbonization strategy. <p>Further Enhance the Efficiency of Appliances and Equipment</p> <ul style="list-style-type: none"> The Northwest Power and Conservation Council estimates that the cumulative energy generated through energy efficiency and improvements since 1978 is enough to meet the energy needs of approximately 5.1 million homes in the Northwest. 	



Advanced Metering Infrastructure (AMI)

- AMI creates communication channels between utilities and customers by integrating smart meters, data management systems, and communication networks.

Hybrid vs. All-Electric Model

- Buildings can be electrified using dual-energy, or hybrid, systems where fossil fuel (e.g., natural gas) is replaced with electricity, but can still be used as back-up power during very cold weather or when there are peak demands on the electric system.

Enacting Residential or Expanding Commercial PACE Financing

- Energy or eligible projects are funded through the financing program.
- Assessments are attached to the property.

Promote Heat Pumps

- Types of heat pumps: air-to-air, water source, and geothermal.
- Hybrid heat pump systems may be combined with a gas furnace.

Promote Energy Efficiency and/or Heating/Cooling Upgrades

- Space heating, space cooling, and water heating - large energy use.
- Energy-efficient installation - weatherization and energy efficiency upgrades and retrofits.

Promote, Incentivize, and/or Subsidize Air Purification Systems

- Exposure to poor indoor air quality has negative health impacts for vulnerable groups such as children, young adults, and older adults.
- Indoor air quality strategies include: source control, improved ventilation, and air cleaners.

Upgrades to and Increasing Supply of Affordable Housing

- Programs that support the quality and quantity of housing supply, particularly for low-income households, are considered to increase community resiliency.
- These programs may include remediation of low-quality and condemned properties, purchase and transition of housing stock into affordable housing, providing land banking and land trust strategies, and/or financing energy improvements in single- or multi-family affordable housing.
- Energy improvements may include efficiency improvements,



	<p>electric measures, and renewable energy systems for existing homes, existing rental units, and new housing construction.</p> <p>Public Comment – Existing Buildings Policy and Program Options</p> <p>Next Steps</p> <ul style="list-style-type: none">• Task Force members will be completing interest survey.
<p>Task Force Member - Issues Discussed</p>	<p>Existing Buildings Policy and Program Options Presentation and Task Force Discussion</p> <ul style="list-style-type: none">• Align Energy Efficiency Programs with State’s Climate Goals<ul style="list-style-type: none">○ Important piece in terms of climate.○ There is a statewide constitutional prohibition against taxing inconsistently so you would have to be careful how it was drafted.• Building Electrification Study<ul style="list-style-type: none">○ This issue has been sufficiently studied.○ Efforts focused on fuel-neutral policy options rather than electrification.• Advanced Metering Infrastructure (AMI)<ul style="list-style-type: none">○ Provide data so that entrepreneurs could develop systems.○ Potential for institutional application.○ Encourage smart grid-ready appliances.○ May be issue for Public Utility Commission to consider.• Hybrid vs. All-Electric Model<ul style="list-style-type: none">○ Building types this could be applied to.○ Usage of policy in Quebec.○ Help with resiliency and ability to keep up with demand.• Enacting Residential or Expanding Commercial PACE Financing<ul style="list-style-type: none">○ Prior experience with residential property assessed clean energy (PACE) legislation.○ Coordinated effort to expand commercial PACE.• Promote Heat Pumps<ul style="list-style-type: none">○ Ability to address multiple Task Force objectives by prioritizing heat pump programs.○ Position Oregon to receive Inflation Reduction Act Funds.○ Target funds at distributor level rather than end users.○ Numerical goal for heat pump instillation.



	<ul style="list-style-type: none">○ Research surrounding occupant satisfaction.○ Types of heat pumps○ Pair weatherization with heat pump installation○ Smart heat pump water heaters● Promote Energy Efficiency and/or Heating/Cooling Upgrades<ul style="list-style-type: none">○ Equity issue - impact on quality of life.○ Need for information on the efficiency of the end use appliance.○ Implications for manufactured homes and federal standards they are built to.○ Measures to maintain indoor air quality when sealing buildings.● Promote, Incentivize, and/or Subsidize Air Purification Systems<ul style="list-style-type: none">○ Types of air cleaning systems.○ Ensure that policies that encourage air cleaning systems do not allow for ineffective systems.● Upgrades to and Increasing Supply of Affordable Housing<ul style="list-style-type: none">○ Versatile uses of building hubs.○ Place for people to gather to gain insight on best practices and to access resilient building services.○ Examples of other programs.○ Integrate with Oregon Housing and Community Services work.○ Utilize federal dollars.
Meeting Materials (OLIS)	<ul style="list-style-type: none">● Existing Buildings Policy and Program Options - Task Force Staff (presentation)● Existing Buildings Policy and Program Options - Task Force Staff (Interest Survey Process)● Existing Buildings Policy (revised memo)● Existing Building Suggestions - Senator Lynn Findley (memo)● RA in the NW—Seems Like the Challenge Keeps Getting Bigger - Steve Wright (op-ed)Energy Trust of Oregon (POST-MEETING FOLLOW-UP)● Oregon Department of Energy (POST-MEETING FOLLOW-UP)● Existing Buildings Policy and Programs Options - Jane Stackhouse (testimony)