



# Reducing Fossil Fuel Use in New Building Construction

## Survey of Local Government Approaches

Eugene City Council Work Session  
July 17, 2024

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## Agenda

- ▷ Background
- ▷ Survey of Local Government Strategies
- ▷ Alignment with Strategies from Building Decarbonization Engagement and CAP 2.0
- ▷ Takeaways

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# 1. Introduction

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## Background

- ▷ Ninth Circuit Court Decision
- ▷ Council Motion
  - “Moved to direct the City Manager to return to Council before July 2024, for a discussion regarding ways in which the City can reduce the use of fossil fuels in new construction, including the feasibility of fossil fuel reduction strategies that have been adopted in other jurisdictions.”

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## 2.

# Survey of Local Government Strategies

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## Themes



Incentivize  
Electrification



Dis-Incentivize  
Non-Electric  
Technologies



Outreach  
and  
Education



City-owned  
Buildings and  
Facilities



Local  
Regulations



State Level  
Policy



Existing  
Buildings

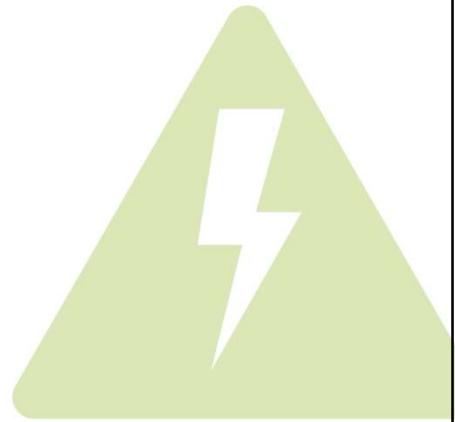
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## Incentivize Electrification

- ▷ Permitting/Process Incentives
- ▷ Voluntary Programs
- ▷ Financial Incentives



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## Dis-Incentivize Non-Electric Technologies

- ▷ Carbon Impact Fees/  
Climate Impact Fees
- ▷ Additional Permit / Process  
Requirements



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## City-Owned Buildings and Facilities

- ▷ Direct Emissions Reductions
- ▷ Proof of Concept
- ▷ Best Practices
- ▷ Public Education



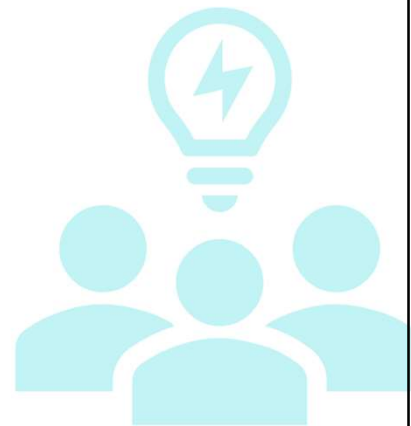
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## Outreach, Education, Awareness

- ▷ Public Awareness Campaigns
- ▷ Technical Assistance
- ▷ Business Support Programs



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## Local Regulation

- ▷ Fossil Fuel Infrastructure Restrictions
- ▷ Reach Codes
- ▷ Emissions Standards
- ▷ Emerging Strategies



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## State-Level Policy/Programs

- ▷ Building Code Updates
- ▷ Incentives for New Construction
- ▷ Thermal Energy Networks
- ▷ Utility Commissions



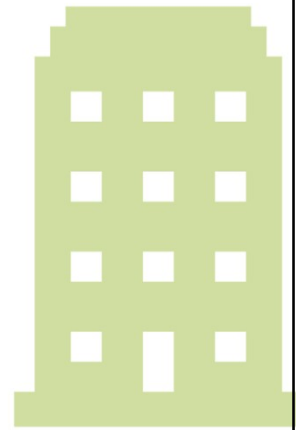
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## Existing Buildings

- ▷ Building Performance Standards
- ▷ Energy Benchmarking/Disclosure
- ▷ System Decommissioning Pilots
- ▷ Networked Geothermal Pilots



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# 3.

Alignment with CAP2.0 &  
Building Decarbonization  
Strategies from Engagement

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## Alignment with Building Decarbonization Strategies and CAP2.0

| Theme                                    | Decarb Engagement Strategies (July 10 Work Session)                                                                                                                                                                                                                                                                                                                        | CAP 2.0                                                                                                                                                                                                                                                                                                                                                                                       |
|------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Incentivize Electrification              | <ol style="list-style-type: none"> <li>1. Create an incentive navigator service</li> <li>2. Identify incentive mechanisms within City programs and processes</li> </ol>                                                                                                                                                                                                    | <p><b>Action B10:</b> EWEB incentives for smart electrification and energy efficiency.</p> <p><b>T11:</b> providing flexibility in land use, removing ...permitting process barriers, promoting existing incentives...and new incentives</p> <p><b>Additional Strategy 5:</b> Energy Efficiency and Fuel Switching: Support Incentives and Explore Regulatory Options</p>                     |
| Disincentivize Non-Electric Technologies | <ol style="list-style-type: none"> <li>3. Identify mechanisms to disincentivize fossil fuels</li> </ol>                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                               |
| Outreach and Education                   | <ol style="list-style-type: none"> <li>4. Launch an education and awareness campaign</li> <li>5. Develop strategies to engage builders, designers and workforce partners</li> <li>6. Foster peer-to-peer and sector-specific learning among businesses</li> <li>7. Provide technical assistance for businesses to comply with new state and federal regulations</li> </ol> | <p><b>B11:</b> EWEB and NWN income assistance programs and energy conservation education programs</p> <p><b>E10:</b> Provide education about the climate impacts of having a large, single-family home...smaller, multifamily homes result in lower emissions and should be encouraged</p> <p><b>E36:</b> Create climate change education for public schools on mitigation and adaptation</p> |

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## Alignment with Building Decarbonization Strategies and CAP2.0

| Theme                 | Decarb Engagement Strategies (July 10 Work Session)                                                                                                                                                                                                          | CAP 2.0                                                                                                                                                                                                                                                                                   |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| City Owned Facilities |                                                                                                                                                                                                                                                              | <p><b>B6:</b> COE implementing facilities updates including conservation and efficiency improvements</p> <p><b>B7:</b> COE update existing Green Building policy</p>                                                                                                                      |
| Local Regulations     |                                                                                                                                                                                                                                                              | <p><b>B1:</b> COE and NWN are working on a new franchise agreement ...to be completed in late 2020.</p> <p><b>B3:</b> COE to research... regulatory options related to advancing energy efficiency and carbon reduction through rental housing standards</p>                              |
| State-Level Policy    | <ol style="list-style-type: none"> <li>7. Provide technical assistance for businesses to comply with new state and federal regulations</li> <li>13. Explore possible geothermal energy network</li> </ol>                                                    | <p><b>B5:</b> ...seek statutory authority for cities to adopt state reach code as base code.</p> <p><b>B24:</b> participate in the rule making processes ...to seek policy and regulatory outcomes aligned w/ CRO</p> <p><b>Additional Strategy 8:</b> Lobby for State/Federal Action</p> |
| Existing Buildings    | <ol style="list-style-type: none"> <li>9. Expand tools that support decarbonization in rental properties</li> <li>11. Prioritize transitioning homes from oil heat to electric heat pumps</li> <li>13. Explore possible geothermal energy network</li> </ol> | <p><b>B4:</b> COE to implement a voluntary Home Energy Score</p> <p>ECC partners have several actions related to existing buildings (B17, B18, B21, B22)</p>                                                                                                                              |

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# 4. Takeaways

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## Takeaways and Moving Forward

- ▶ Cities Exploring Various Approaches to New Buildings
- ▶ Common Threads Across Research, CAP 2.0, and Strategies Identified Through Engagement
- ▶ Ongoing Monitoring of Evolving Landscape

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Thanks!  
Questions?

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