

intro

This preference survey is designed to help choose policy details that will guide the modellers to provide a range of information that is useful for the Task Force. Policy details that you will be able to select from vary by policy direction but will include things like size of building, building sector, existing buildings or new construction, and greenhouse gas reduction goals over time.

For each policy direction to be modelled, you will be able to *select default parameters OR choose from a selection of details* for each policy. Default parameters were informed by Task Force discussions.

Sustainability Solutions Group has been directed to model or analyze the following policy directions to gather more information:

- Building performance standards
- Promote, incentivize, and/or subsidize energy efficiency and heating/cooling efficiency increases
- Decarbonize institutional/public buildings
- Promote, incentivize, and/or subsidize heat pumps
- Assess and disclose material-related emissions
- Enact energy-efficient building codes

The following policies are not included in the survey because they will be analyzed differently:

- Modify Energy Trust of Oregon's (ETO) metrics and operations
- Align energy efficiency programs with State's climate goals
- Promote, incentivize, and/or subsidize air purification systems

buildperformance

The following questions will be related to this policy selection:

Building performance standards

Do you have a preference for how building performance standards are modelled?

If you respond "no," your preference will be to use the default values (modelled after the Climate Solutions Now Act of 2022 [Maryland, SB 0528, 2022]):

- Requires energy efficiency and emissions reductions for certain buildings.
- Sets BPSs for buildings over 35,000 square feet.
- Reporting of direct emissions from heat begins in 2025.
- Covered buildings are required to reduce direct emissions 20% below 2025 by 2030 and achieve net-zero direct emissions by 2040.

☐ Yes, I have a preference

☐ No, use default values

Building performance standards

Please help us set the greenhouse gas reductions goals for this policy with reference to the default policy.

☐ **Use a more stringent goal** - Direct emissions need to be reduced by 40% of 2025 emissions by 2030

☐ **Use default** - Require direct emissions to be reduced by 20% of 2025 emissions by 2030

☐ **Use a less stringent goal** - Require direct emissions need to reach 5% below 2025 levels by 2030

Please help us set the building types building performance standards should be applied to in the analysis.

	Existing	New	Existing & New	Do not include this building type
Residential	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Commercial	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Industrial	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Multifamily	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Insitutional/Public	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

You selected commercial buildings. Do you feel that minimum square footage should be a consideration for the modelling?

- ☐ Yes, use a square footage **lower than 35,000** square feet
- ☐ Yes, use default square footage - 35,000
- ☐ Yes, use a square footage **higher than 35,000** square feet
- ☐ No, there should be no minimum square footage

heatcool

The following questions will be related to this policy selection:

Promote, incentivize, and/or subsidize energy efficiency and heating/cooling efficiency increases

Do you have a preference for how building energy efficiency incentivization/subsidization is modelled? If you respond "no," your preference will be to use the default values:

- Incentivizes energy efficiency and emissions reductions for existing buildings
- 80% of buildings are retrofitted by 2040
- Thermal energy requirements reduced by 30%

- ☐ Yes, I have a preference
- ☐ No, use default values

Promote, incentivize, and/or subsidize energy efficiency and heating/cooling efficiency increases

Please help us set the energy efficiency goals for this policy with reference to the default policy.

- ☐ **Use a more stringent goal** - 100% of buildings are retrofitted by 2035, thermal energy requirements reduced by 50%
- ☐ **Use default** - 80% buildings are retrofitted by 2040, thermal energy requirements reduced by 30%
- ☐ **Use a less stringent goal** - 50% of buildings are retrofitted by 2050, thermal energy requirements reduced by 15%

Which **existing** building types should these standards apply to? (Select all that apply)

- ☐ Residential
- ☐ Commercial

Which of the following **residential** building types should this apply to? (Select all that apply)

- ☐ Single family
- ☐ Row houses
- ☐ Apartments

Do you have a preference for the size **commercial** building should this apply to?

- ☐ Yes, use a square footage **lower than 50,000** sq. ft.
- ☐ Yes, use default square footage - 50,000 sq. ft.
- ☐ Yes, use a square footage **higher than 50,000** sq. ft.
- ☐ No, there should be no minimum square footage

decarbonize

The following questions will be related to this policy selection:

Decarbonize institutional/public buildings

Do you have a preference for how building energy efficiency is modelled? If you respond "no," your preference will be to use the default values (modelled after Seattle Energy Code):

- New buildings after 2030 are carbon neutral
- 80% of buildings are retrofitted by 2040
- Thermal energy requirements reduced by 30%
- Plug load* reduced by 30%

*plug load is energy used by equipment that is plugged into outlets

- ☐ Yes, I have a preference
- ☐ No, use default values

Decarbonize institutional/public buildings

Please help us set the institutional/public buildings goals for this policy with reference to the default policy.

- ☐ **Use a more stringent goal** - New buildings after 2023 are carbon neutral, 100% of buildings are retrofitted by 2035, thermal energy requirements reduced by 50%, plug load reduced by 50%
- ☐ **Use default** - New buildings after 2030 are carbon neutral, 80% of buildings are retrofitted by 2040, thermal energy requirements reduced by 30%, plug load reduced by 30%
- ☐ **Use a less stringent goal** - New buildings after 2035 are carbon neutral, 50% of buildings are retrofitted by 2045, thermal energy requirements reduced by 15%, plug load reduced by 15%

heatpumps

The following questions will be related to this policy selection:

Promote, incentivize, and/or subsidize heat pumps

Do you have a preference for how heat pump incentivization/subsidization is modelled? If you respond "no," your preference will be to use the default values:

- Requires heat pumps installed in certain buildings
- 80% of covered buildings have a heat pump installed by 2040

- ☐ Yes, I have a preference
- ☐ No, use default values

Would you like to see a policy option modelled to promote installation of heat pumps in homes regardless of their existing energy source?

- ☐ Yes
- ☐ No

Promote, incentivize, and/or subsidize heat pumps

Please help us set the heat pump uptake goals for this policy with reference to the default policy.

- ☐ **Use a more stringent goal** - 100% of buildings that are covered have a heat pump installed by 2035
- ☐ **Use default** - 80% of covered buildings have a heat pump installed by 2040
- ☐ **Use a less stringent goal** - 50% of buildings that are covered have a heat pump installed by 2050

Which building types should these standards apply to? (Select all that apply)

- ☐ Residential
- ☐ Commercial

Which of the following **existing residential** building types should this apply to? (Select all that apply)

- ☐ Single family
- ☐ Row houses
- ☐ Apartments

Which of the following **new residential** building types should this apply to? (Select all that apply)

- ☐ Single family
- ☐ Row houses
- ☐ Apartments

Do you have a preference for the size **commercial** building should this apply to?

- | | | | | | |
|--------------------------|---------------------------------------|-----------------------------------|--------------------------------------|----------------------------------|-----------------------------------|
| Commercial
- New | All - no
minimum square
footage | Use a higher
square
footage | Buildings larger
than 50,000 sqft | Use a lower
square
footage | Do not apply to
new commercial |
| | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Commercial
- Existing | All - no
minimum square | Use a higher
square | Buildings larger
than 50,000 sqft | Use a lower
square | Do not apply to
existing |

footage

☐

footage

☐☐

footage

☐

commercial

☐

emissions

The following questions will be related to this policy selection:

Assess and disclose material-related emissions

Do you have a preference for how embodied carbon from construction is modelled? If you respond "no," your preference will be to use the default values (modelled after the City of Vancouver's Embodied Carbon Strategy in this [report](#)):

- Set a goal of reducing embodied carbon from construction by 40% by 2030, compared to 2018

☐ Yes, I have a preference

☐ No, use default values

Assess and disclose material-related emissions

Please help us set the embodied carbon from construction goals for this policy with reference to the default policy.

☐ **Use a more stringent goal** - reducing embodied carbon from construction by 60% by 2030, compared to 2018

☐ **Use default** - reducing embodied carbon from construction by 40% by 2030, compared to 2018

☐ **Use a less stringent goal** - reducing embodied carbon from construction by 20% by 2030, compared to 2018

Which **existing building** types should these standards apply to? (Select all that apply)

☐ Residential

☐ Commercial

Which of the following **residential** building types should this apply to? (Select all that apply)

- ☐ Single family
- ☐ Row houses
- ☐ Apartments

Do you have a preference for the size commercial building should this apply to?

- ☐ Yes, use a square footage **lower than 50,000** sq. ft.
- ☐ Yes, use default square footage - 50,000 sq. ft.
- ☐ Yes, use a square footage **higher than 50,000** sq. ft.
- ☐ No, there should be no minimum square footage

existingcodes

The following questions will be related to this policy selection:

Enact energy-efficient building codes - existing buildings

Do you have a preference for how building energy efficiency enactment is modelled for existing buildings? If you respond "no," your preference will be to use the default values (modelled after [Seattle Energy Code](#)):

- Requires energy efficiency and emissions reductions for existing buildings
- 80% buildings are retrofitted by 2040
- Thermal energy requirements reduced by 30%
- Plug load reduced by 30%

- ☐ Yes, I have a preference
- ☐ No, use default values

Enact energy-efficient building codes - existing buildings

Please help us set the energy efficiency goals for this policy with reference to the default policy.

- ☐ **Use a more stringent goal** - 100% of existing buildings are retrofitted by 2035, thermal energy requirements reduced by 50%, plug load reduced by 50%

- ☐ **Use default** - 80% existing buildings are retrofitted by 2040, thermal energy requirements reduced by 30%, plug load reduced by 30%
- ☐ **Use a less stringent goal** - 50% of existing buildings are retrofitted by 2050, thermal energy requirements reduced by 15%, plug load reduced by 15%

Which **existing building** types should these standards apply to? (Select all that apply)

- ☐ Residential
- ☐ Commercial

Which of the following **residential** building types should this apply to? (Select all that apply)

- ☐ Single family
- ☐ Row houses
- ☐ Apartments

Do you have a preference for the size **commercial** building should this apply to?

- ☐ Yes, use a square footage **lower than 50,000** sq. ft.
- ☐ Yes, use default square footage - 50,000 sq. ft.
- ☐ Yes, use a square footage **higher than 50,000** sq. ft.
- ☐ No, there should be no minimum square footage

newcodes

The following questions will be related to this policy selection:

Enact energy-efficient building codes - new buildings

Do you have a preference for how building energy efficiency enactment is modelled for new buildings? If you respond "no," your preference will be to use the default values (E.O. 20-04):

- Requires a 60% reduction in new building consumption of energy from the 2006 Oregon residential and commercial codes

- ☐ Yes, I have a preference
- ☐ No, use default values

Enact energy-efficient building codes - new buildings

Please help us set the energy efficiency goals for this policy with reference to the default policy.

- ☐ **Use a more stringent goal** - An 80% reduction in new building energy consumption from the 2006 Oregon codes
- ☐ **Use default** - A 60% reduction in new building energy consumption from the 2006 Oregon codes
- ☐ **Use a less stringent goal** - A 40% reduction in new building energy consumption from the 2006 Oregon codes

Which **new** building types should these standards apply to? (Select all that apply)

- ☐ Residential
- ☐ Commercial

Which of the following **residential** building types should this apply to? (Select all that apply)

- ☐ Single family
- ☐ Row houses
- ☐ Apartments

Do you have a preference for the size **commercial** building should this apply to?

- ☐ Yes, use a square footage **lower than 50,000** sq. ft.
- ☐ Yes, use default square footage - 50,000 sq. ft.
- ☐ Yes, use a square footage **higher than 50,000** sq. ft.
- ☐ No, there should be no minimum square footage

You have completed all the survey questions. If you advance, you will not be able to use the back button. Your survey will be submitted if you continue.

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