



Climate Mitigation Framework





**START
HERE**

Instructions: Use this framework to analyze and report on how a proposed action may impact existing climate mitigation strategies. **Step 1:** *Identify relevant climate mitigation sectors (below).* **Step 2:** *Complete corresponding sections (B, T, W, A).* **Step 3:** *Summarize findings.*

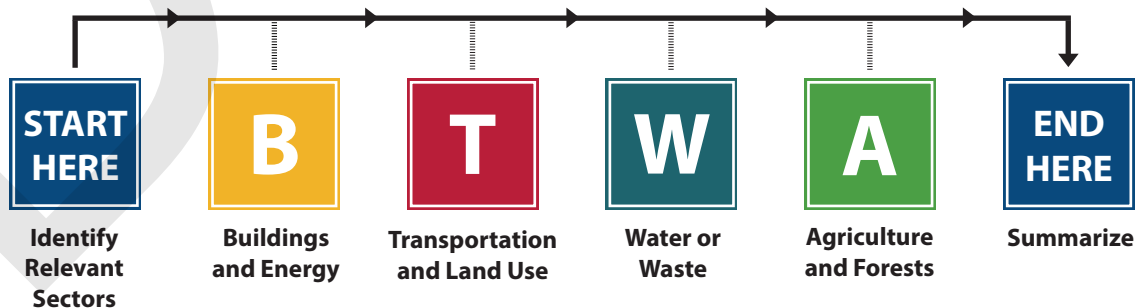
For help with this framework, refer to the [Thurston Climate Mitigation Plan](#) or to the **Glossary** (last page).

Step 1: Identify relevant climate mitigation sectors.

Will the proposed action impact greenhouse gas emissions in...

	YES	N/A		
 Buildings or energy use?	<input type="checkbox"/>	<input type="checkbox"/>	If "YES," complete section:	B
 Transportation or land use?	<input type="checkbox"/>	<input type="checkbox"/>	If "YES," complete section:	T
 Water or waste?	<input type="checkbox"/>	<input type="checkbox"/>	If "YES," complete section:	W
 Agriculture, forests or other ecosystems?	<input type="checkbox"/>	<input type="checkbox"/>	If "YES," complete section:	A

Next Steps: For every "YES" above, complete the corresponding section.
When all relevant sections are completed, jump to "Summarize."





Buildings and Energy

Greenhouse Gas Reduction Strategies

[Learn more: [Thurston Climate Mitigation Plan](#) - Pages 74-81]



1. How will the proposed action impact the climate mitigation strategies in this sector?

	Supports	Prevents	N/A
Reduce energy use in existing residential, commercial, or industrial buildings.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Reduce energy use in new construction or redevelopment.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Increase production of local renewable energy.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Electrify residential and commercial buildings to phase out natural gas.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Note: New construction and major renovations of city-owned or city-funded projects are now required to be all-electric ([Resolution No. M-2289](#)). *If this is relevant, does your project comply?* Yes No

2. Describe how the proposed action supports or prevents each relevant strategy:

3. Could the proposed action be modified to better support any relevant strategies? What, if any, alternatives were considered?

Complete all relevant sectors, then jump to "Summarize."



Transportation and Land Use

Greenhouse Gas Reduction Strategies



[Learn more: [Thurston Climate Mitigation Plan](#) - Pages 82-89]

1. How will the proposed action impact the climate mitigation strategies in this sector?

	Supports	Prevents	N/A
Support land use policies to increase urban density and reduce urban sprawl.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Increase the efficiency of the transportation system.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Increase the adoption of electric vehicles.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Increase the use of public transit.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Increase the use of active forms of travel, such as walking and biking, to commute, run errands, or get around town.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

2. Describe how the proposed action supports or prevents each relevant strategy:

3. Could the proposed action be modified to better support any relevant strategies? What, if any, alternatives were considered?

Complete all relevant sectors, then jump to "Summarize."



Waste and Water

Greenhouse Gas Reduction Strategies

[Learn more: [Thurston Climate Mitigation Plan](#) - Pages 90-93]



1. How will the proposed action impact the climate mitigation strategies in this sector?

	Supports	Prevents	N/A
Increase the efficiency of municipal water and wastewater infrastructure.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Reduce emissions from municipal wastewater treatment operations.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Reduce water consumption.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Divert more solid waste from landfills.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Reduce consumption of carbon-intensive goods and services.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

2. Describe how the proposed action supports or prevents each relevant strategy:

3. Could the proposed action be modified to better support any relevant strategies? What, if any, alternatives were considered?

Complete all relevant sectors, then jump to "Summarize."

Agriculture and Forests

Greenhouse Gas Reduction Strategies

[Learn more: [Thurston Climate Mitigation Plan](#) - Pages 94-97]

A

1. How will the proposed action impact the climate mitigation strategies in this sector?

	Supports	Prevents	N/A
Reduce emissions from agricultural practices (i.e., nutrient management).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Support agricultural practices that sequester carbon (i.e., regenerative agriculture).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Protect or restore existing forests, prairies, or coastal/marine ecosystems to sequester carbon.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Support reforestation and increase tree canopy cover to sequester carbon, where it is ecologically appropriate.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

2. Describe how the proposed action supports or prevents each relevant strategy:

3. Could the proposed action be modified to better support any relevant strategies? What, if any, alternatives were considered?

Complete all relevant sectors, then jump to "Summarize."

Summarize

Prepare to Report and Share

**FINISH
HERE**

Now that you have analyzed how the proposed action will impact climate mitigation strategies in relevant sectors, it's time to share what you've learned.

1. Overall, what impact will the proposed action have on Greenhouse Gas emissions?

Reduction

Long-term Reduction / Near-term Increase

Maintain or Increase

No impact

2. Describe how the proposed action will impact the implementation of the Thurston Climate Mitigation Plan. Identify all climate mitigation strategies that may be supported or prevented by this decision. If the proposed action will prevent climate mitigation strategies or result in increased greenhouse gas emissions, provide a justification for increased emissions, and describe if any emissions-reducing alternatives were considered.

Glossary

Terms and Definitions

Adaptation | The adjustment or preparation of natural or human systems to a new or changing environment. Climate adaptation may include strategies to limit the negative effects of climate change or take advantage of opportunities provided by a changing climate.

Carbon Dioxide | A naturally occurring gas, as well as a by-product of burning fossil fuels, land-use change, and other industrial processes. Carbon dioxide is the primary human caused greenhouse gas driving changes in Earth's climate.

Carbon Sequestration | The process of removing carbon from the atmosphere and storing it in a fixed molecule in soil, oceans, or plants. An organism or landscape that stores carbon is called a carbon sink.

Climate Change | A significant and long-term change in weather patterns over periods ranging from decades to thousands of years. This includes major changes in temperature, precipitation, or wind patterns that occur over several decades or longer.

Fossil Fuel | An energy-rich substance that is created from dead plant and animal material trapped between layers of rock deep within the Earth. Over millions of years, heat and pressure transform this material into fossil fuels. Examples of fossil fuels include coal, oil, and natural gas. When humans burn fossil fuels for energy, they release carbon dioxide, a greenhouse gas.

Greenhouse Gas | Any gas that absorbs heat in the atmosphere near the Earth's surface, preventing it from escaping into space. If the atmospheric concentrations of these gases rise, the average temperature of the lower atmosphere will gradually increase - a phenomenon known as the "greenhouse effect." Examples of greenhouse gases include water vapor (H₂O), carbon dioxide (CO₂), nitrous oxide (N₂O), methane (CH₄), and ozone (O₃).

Mitigation | A human intervention to reduce the amount and speed of future climate change. Climate mitigation may include strategies to reduce emissions of heat-trapping gases or to remove carbon dioxide from the atmosphere.