

# 2025 Comprehensive Plan Update Climate Change Element Resilience Sub-Element Review

*Balancing Nature and Community:  
Tumwater's Path to Sustainable Growth*

Alyssa Jones Wood, Sustainability Manager  
Planning Commission February 11, 2025



# Intent

Discuss the draft Resilience Sub-Element of the new Climate Change Element of the Comprehensive Plan



# New State Climate Element Requirements

1. A **climate mitigation sub-element** to address actions to reduce overall greenhouse gas emissions and vehicle miles traveled
2. A **climate resilience sub-element** to address climate adaptation
3. Consideration of **environmental justice** to avoid worsening environmental health disparities



# Community Engagement To-date

- Continued participation from the Climate Policy Advisory Team (CPAT)
- Held in-person open house at ASHHO on August 14, 2024
  - About 60 participants
- Opened online open house from August 15 – October 31, 2024
- Feedback provided by the Thurston Climate Mitigation Collaborative's Community Advisory Workgroup
- Meeting with Thurston Climate Action Team's Community Organizer
- Direct emails with Community Based Organizations, Non-Profits, interested community members, and Affinity Groups
- Tabled at the Thurston County Food Bank to encourage participation in online open house
- Presented to the South Sound Asian and Pacific Islanders Coalition twice
- The draft Climate Element was open for Public Comment online through January 31.
- Planning to table at the Thurston County Food Bank and Library in January to request participation in review/public comment of the draft Element
- Social media posts
- Forthcoming Community Assembly hosted by Thurston Climate Action Team



*We're focused here tonight.*

## Mitigation



Expand Multimodal Transportation



Electrification & Energy Efficiency



Reduce Vehicle Miles Traveled (VMT)



Protect Natural Carbon Sinks

## Adaptation



Renewable Energy & Onsite Storage



Protect & Expand Urban Canopy



Weatherize & Harden Homes & Infrastructure



Develop Densely and in Low Risk Areas



Improve & Restore Habitat Connectivity



Expand Access to Local & Culturally Significant Foods

# Key Terms

- **Adaptation:** The process of adjusting to new climate conditions in order to reduce risks to valued assets
- **Climate Resilience:** The ongoing process of anticipating, preparing for, and adapting to changes in climate and minimizing negative impacts to our natural systems, infrastructure, and communities
- **Passive Survivability:** Building to ensure that residences will remain at a safe temperature for occupants if the power goes out and that they will overall require less power to keep at a regulated temperature. Can also entail building single-family residences with one room designed to maintain comfortable temperatures or multifamily residences with a designated common area designed to serve this same function. Building for passive survivability also reduces demand on local energy infrastructure.



# Climate Hazards

Climate Projection	By 2100	
	Low emissions scenario	High emissions scenario
Average summer temperature in June-August	↑ 5.4°F increase	↑ 9.5°F increase
Summer maximum temperature	↑ 4.7	↑ 9.6
Number of hot days (humidex over 90 degrees)	↑ 29.1 days	↑ 58.2 days
Total annual precipitation	<i>no data</i>	↑ 5.1% increase
Intensity of extreme rainfall events (change in the magnitude of 2-year storms)	<i>no data</i>	↑ 14% increase
Percent change in the magnitude of 25-year storm	<i>no data</i>	↑ 25% increase
Peak streamflow	↑ 15% increase	↑ 14% increase
Return interval of 25-year peak streamflow	↓ 9.6 years	↓ 13.8 years
Likely sea level rise	↑ 2.17 ft. increase	↑ 2.67 ft. increase
Change in high fire danger days	↑ 7 days ( <i>by 2040</i> )	↑ 10 days ( <i>by 2040</i> )
Precipitation drought (likelihood of a year with summer precipitation below 75% of historical normal)	<i>no data</i>	↑ 38% increase
Total late summer precipitation July-September	<i>no data</i>	↓ 22% decrease
Percent change in April 1 snowpack	<i>no data</i>	↓ 100% decrease



# Goal CL-9

- Do you have any general or specific comments that you'd like to share under this Goal?
- Are there shifts in action timelines that you'd like to suggest under this Goal?
- Do you foresee any unintended consequences or burdens associated with policies and/or actions under this Goal?
- Do you anticipate anyone in the Tumwater community being left out by any policy and/or action under this Goal? If so, how could we fix that?
- Using the Icons to see which actions are *publicly identified priorities*, which would/could impact you or the things you care about most?
  - What do you expect that impact might be?
- Do you have any additional thoughts you'd like to share related to this goal and its associated policies and actions?





# Goal CL-10

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# Goal CL-12

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# Comments and Contact Information

Written comments are welcome at any time during the periodic update process and staff will address and publish all formal comments

City of Tumwater Contact:

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The periodic update email is [compplan@ci.Tumwater.wa.us](mailto:compplan@ci.Tumwater.wa.us)

All documents related to the periodic update will be located on the [City's periodic upgrade webpage](#)







# Questions?

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