



Beyond the Climate Plan

Thurston Regional Planning Council

City of Tumwater

August 17, 2022

Thurston Regional Planning Council: Who are We?

- ❖ Mission: *Provide visionary leadership on regional plans, policies, and issues for the benefit of all Thurston region residents.*
- ❖ Metropolitan Planning Organization (MPO) and a Regional Transportation Planning Organization (RTPO)
- ❖ 23-member intergovernmental council
- ❖ Transportation, growth management, environmental quality, economic opportunity, sustainability...and so on...



Sustainable Thurston - 2013

12 Priority Goals, including:

Move toward a carbon-neutral community.

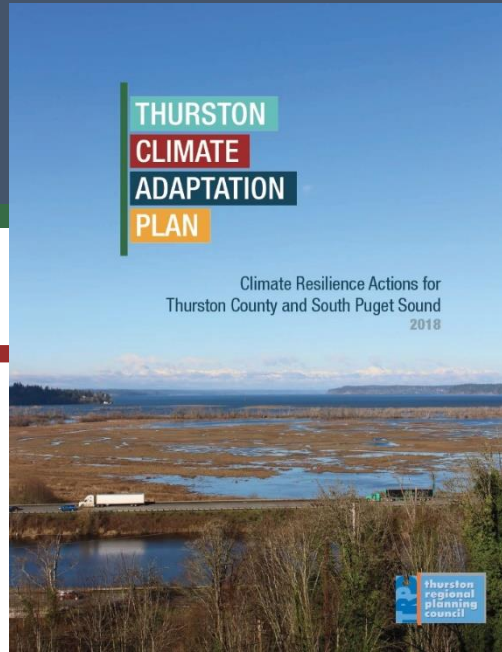


First Action Step: Find resources for climate action planning



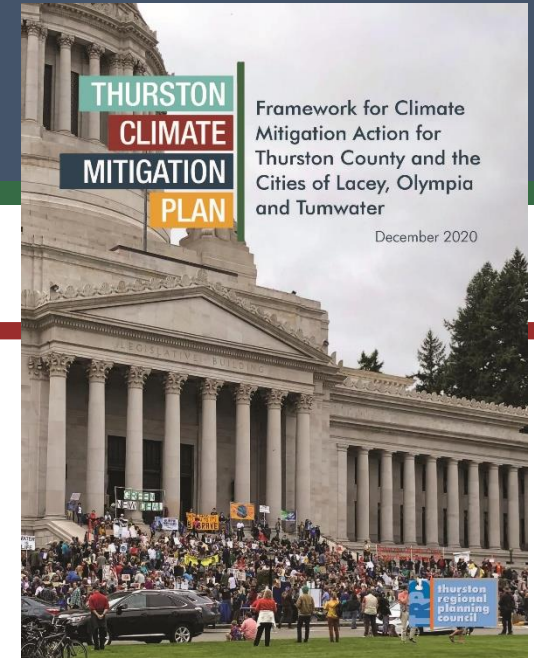
2018 Adaptation Plan

- Science Summary
- Vulnerability Assessment
- 90+ Adaptation Actions
- Grant Funded

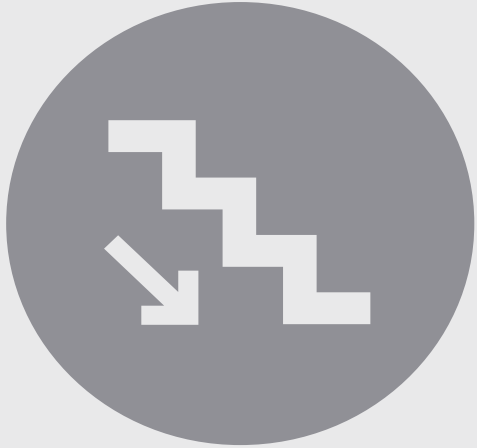


2020 Mitigation Plan

- Sector-based Emissions Inventory
- Emissions Reduction Targets
- 70+ Mitigation Actions
- Implementation Strategy
- Jurisdiction Funded



Common Goals & Targets



Reduce
Emissions

- 45% by 2030
- 85% by 2050



Create vibrant urban
centers and
neighborhoods.



Preserve environmentally
sensitive lands, farmlands,
forest lands, prairies, and
rural lands.



Ensure residents have
the resources to meet
their daily needs.



Protect and improve
water quality.



Support a local food
system.



Plan and act toward zero
waste.

Common Framework for Action

Framework for Climate Mitigation Action

Live Lighter

- Create denser urban neighborhoods where more people can opt to drive less
- Make it easier to telework, walk, bicycle, and ride transit
- Reduce food and other waste

Green Our Grid

- Support State-level action to generate electricity with 100% renewable sources
- Increase energy efficiency of homes and businesses
- Make it easier to install renewables on homes and businesses

Shift Energy Sources

- Switch more appliances, heaters, and vehicles to electricity
- Make it easier to charge electric vehicles in homes and around town

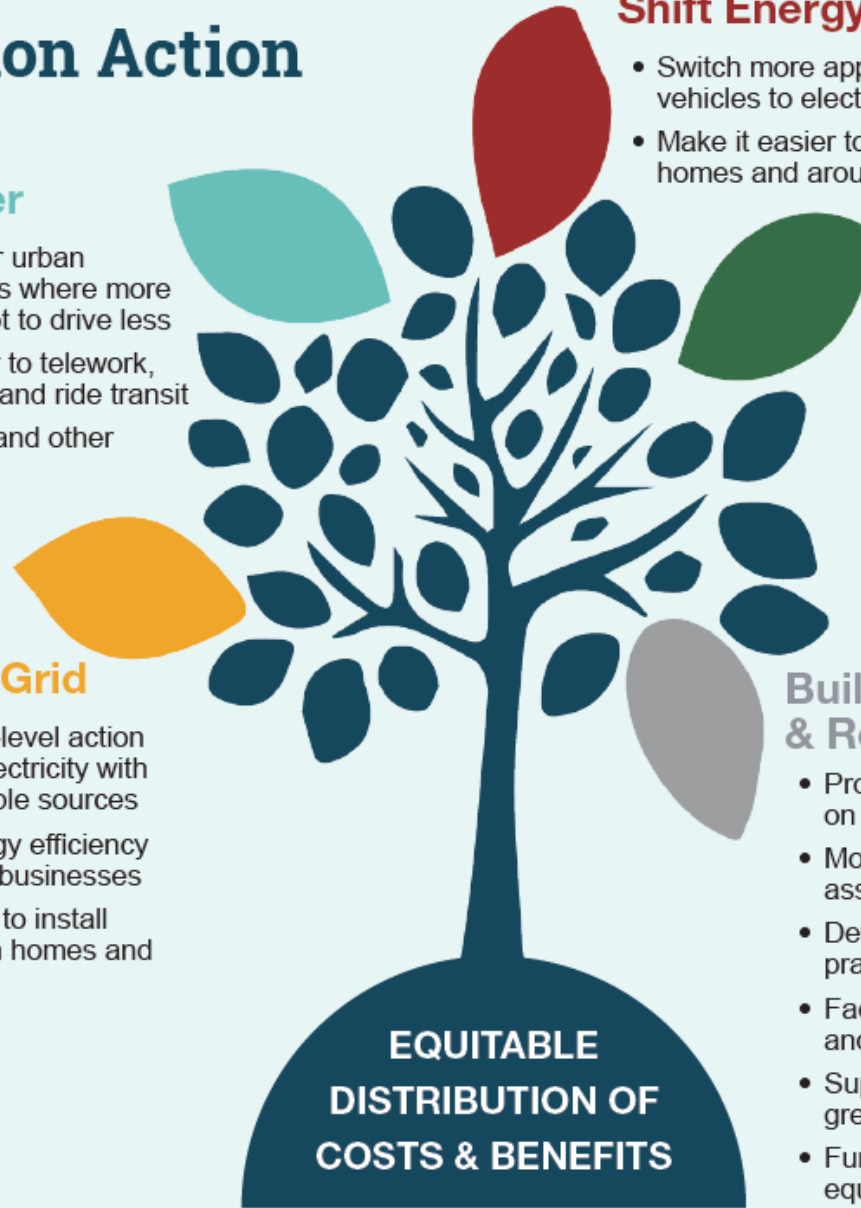
Store Carbon

- Plant trees and preserve tree canopy
- Preserve farmland and increase regenerative agriculture practices
- Preserve and enhance prairies

Build Local Capacity & Resilience

- Provide coordinated leadership on climate action
- Monitor greenhouse gases and assess progress
- Develop expertise in climate-forward practices
- Factor climate impacts into funding and decisions
- Support the development of a green economy
- Further understand and address social equity issues related to climate change

**EQUITABLE
DISTRIBUTION OF
COSTS & BENEFITS**

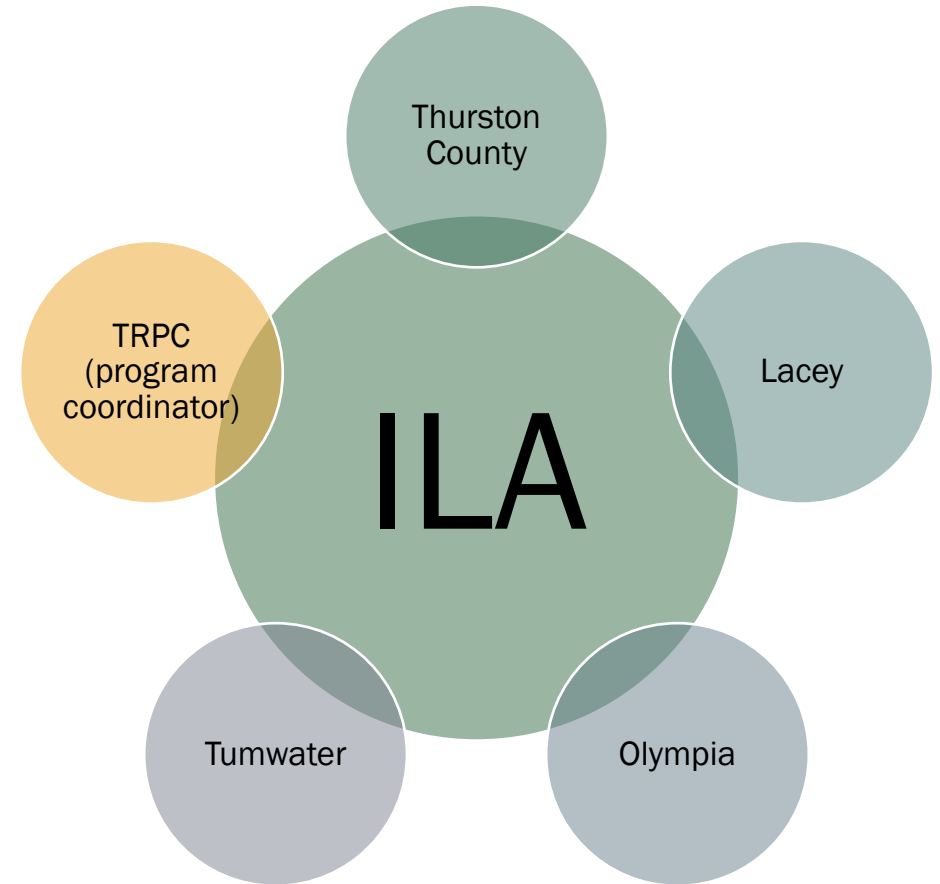


Climate Framework → Plans & Programs



Long-Term Implementation Agreement

- Approved January 2022
- Duration – 3 years
- Goals:
 - To maintain momentum for local climate action.
 - To develop efficient regional solutions for reducing sources of greenhouse gases in ways that support all partner jurisdictions.
 - To provide accountability on progress toward achieving regional climate targets.
 - To build public awareness of and engagement in climate mitigation activities across the region.



What made it possible?



Lessons Learned

- Many existing programs and policies can support climate action – sometimes it's a process of framing
- The plan is just the first step – anticipate implementation. Who owns the actions and policies?
- Important to build internal capacity and ownership across departments and work programs
- Prioritize and partner – not everything can be done at once or by the same people

Image Credit: Olympia Community Solar



Current Climate Planning in Tumwater

Alyssa Jones Wood, LEED Green Associate

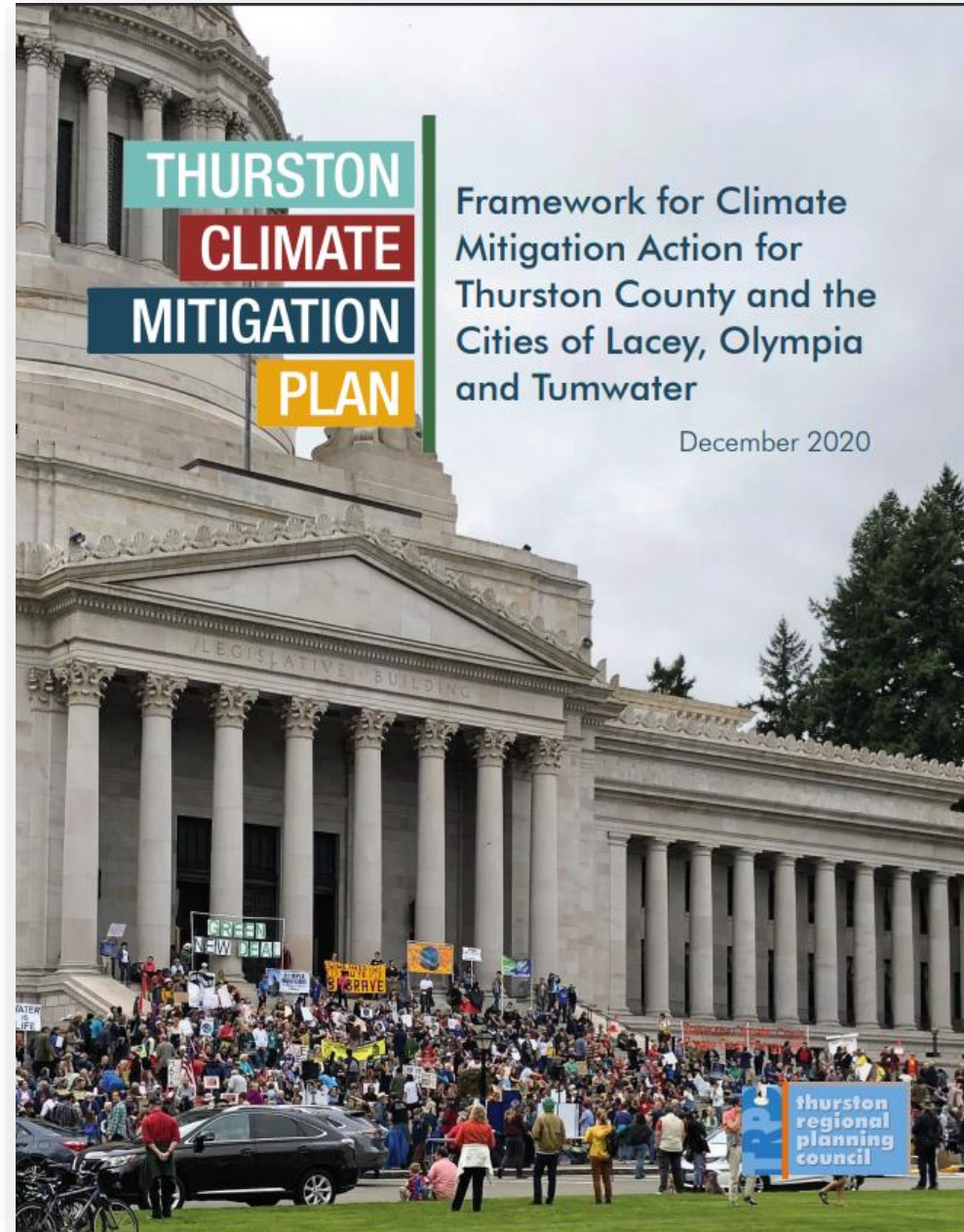
Sustainability Coordinator

City of Tumwater



Participation in a Regional Climate Mitigation Plan

- Regional goal to reduce emissions 45% by 2030 and 85% by 2050
- Created a Full-Time Sustainability Coordinator position in 2022



Internal Green Team

- Established in 2019
- A representative from each Department serves on a Green Team for the City focused on internal operations
- Annual Report of City Operations emissions, water, energy, fuel consumption etc.
- Recent work includes:
 - Drafting an Anti-Idle Policy
 - Revising our Commute Trip Reduction Policy



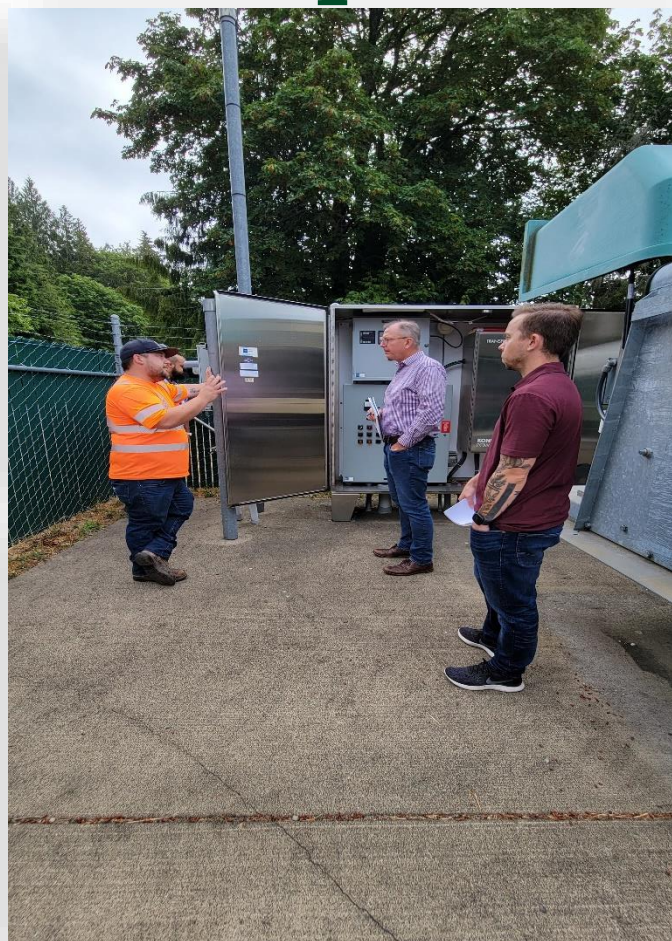
Capital Projects Implementing TCMP



20 kW of Solar PV on City Hall & looking to expand



We're replacing 900 lights in the Library with LEDs in 2022



We're doing a Water & Energy Audit at all our water & sewer infrastructure locations and also buildings in 2022



We've installed 6 Level 2 EV Chargers for Fleet Vehicles & 3 Public/Workplace Level 2 EV Chargers will be installed in 2022

Operations & Maintenance Building



PSE Green Direct via Skookumchuck Wind Farm



Brewery District

- The intent of the Brewery District land use designation is to create a multi-modal activity center.
- Goal to transform a largely auto-oriented commercial node into a lively, walkable, and economically vibrant neighborhood center with a mixture of housing and neighborhood-serving businesses.



Climate Emergency



RESOLUTION NO. R2021-002

A RESOLUTION of the City Council of the City of Tumwater, Washington, declaring a climate emergency and support for the mobilization of community and region wide efforts to mitigate climate change in order to provide a safe environment for future generations.

WHEREAS, climate change has become a crisis posing a serious threat to the survival of the earth and humanity; and

WHEREAS, global warming and climate change are increasing global temperatures more rapidly than previously anticipated and current human activities and technologies are accelerating the pace of global temperature increase, which poses an urgent threat to public health, public infrastructure, and the quality of life of City of Tumwater residents; and

WHEREAS, in April 2016 world leaders from 175 countries recognized the threat of climate change and the urgent need to combat it by adopting the Paris Agreement and working to limit global warming to no more than 1.5 degrees Celsius above pre-industrial levels; and

WHEREAS, in 2018 the Intergovernmental Panel on Climate Change (IPCC) issued a special report on the impacts of global warming and the need to reduce global greenhouse gas emissions well before 2030 to hold warming to 1.5 degrees Celsius above pre-industrial levels and avoid the most catastrophic impacts of climate change; and

WHEREAS, in 2018 the United States' Fourth National Climate Assessment made clear that climate change will wreak havoc across the country, and the current pace and scale of national climate action is not sufficient to avert substantial damage to the economy, environment, and human health over the coming decades; and

WHEREAS, in 2018 the City of Tumwater adopted Resolution No. R2018-015, agreeing to common targets to reduce communitywide greenhouse gas emissions 45 percent below 2015 levels by 2030 and 85 percent below 2015 levels by 2050 to ensure that local communities do their part to keep the global average temperature from rising more than 2 degrees Celsius above pre-industrial levels; and

WHEREAS, in 2019 the City of Tumwater joined 7,000 cities worldwide by becoming a member of the Global Covenant of Mayors for Climate and Energy, a



Water Resiliency and Conservation

- Examining potential climate change effects on groundwater in Tumwater
- Use of reclaimed water at Tumwater Valley Golf Course, 42.3 million gallons in 2021



Urban Forestry Management Plan

- Goal to balance the protection and support of the community and urban forest with other City strategic priorities, which include, in part, providing affordable housing, developing a walkable urban community, economic development, addressing climate change, and protecting endangered species.
- Action H: Consider the effects of climate change when reviewing the long-term health and suitability of the community and urban forest in the City to manage diseases and pests.



Bush Butternut Tree

Community Wildlife Habitat



- Supporting the effort for Thurston County to be designated as a Community Wildlife Habitat
 - Outreach, Education, Administration, and wildlife requirements



Community Engagement

Currently revising:

- Tree & Vegetation Protection Ordinance
- Street Tree Plan
- Landscape Ordinance



Questions?

CONTACTS

Allison Osterberg, osterberga@trpc.org

Alyssa Jones Wood, ajoneswood@ci.Tumwater.wa.us

www.thurstonclimateplan.com

climate@trpc.org

