

Jurisdiction:		All			
Contact:		Casey Mauck			
Reporting Period:		April-June 2022			
Sector/ Strategy	Action ID	Short name	Action Description	Implementation Approach	Activities <i>Summary of any activities taken during the reporting period (reference action #, if applicable)</i>
<b>General</b>					
			<i>Climate mitigation activities not tied to a specific sector, strategy, or action in the Thurston Climate Mitigation Plan.</i>		<p><b>Olympia</b> Staff briefed the Community Livability and Public Safety Committee and City Council on Olympia's Climate and Equity Lens frameworks, and began beta testing the frameworks on current projects.</p> <p><b>Regional</b> The Steering Committee appointed members for the new Climate Advisory Workgroup. The group will start meeting in the fall and provide community input on climate actions and priorities.</p> <p><b>Thurston County</b> 1. Public Hearing scheduled for July 26th to repeal and replace C-PACER ordinance. 2. Active job recruitment underway for new Climate Mitigation Senior Program Manager.</p>
<b>Buildings &amp; Energy</b>					
<b>B1. Reduce energy use in residential buildings.</b>					
	B1.1	residential energy performance ratings	Require energy performance ratings and disclosures for homes at time of sale, lease, or rent so that owners, tenants, and prospective buyers are informed before making purchasing or rental decisions.	Legislative agenda	<b>Lacey</b> B1.2. Developing an Energy Efficiency Audit program and gap analysis of existing programs/community offerings. Host PSE events/energy saving pop-ups.
	B1.2	residential energy audits	Develop and adopt policies that require residential properties to undertake an energy audit at the time of sale or during a substantial remodel. Work with financial institutions to develop mortgage products that incorporate audited energy efficiency recommendations.	Legislative agenda	
	B1.4	rental housing EE incentives	Provide incentives such as property tax breaks for landlords who install energy conservation measures in rental housing.	Legislative agenda	
	B1.5	property tax credit	Create incentives such as a property tax credit for property owners who participate in energy efficiency.	Legislative agenda	
	B1.6	rental housing EE baseline	Require rental units to meet baseline levels of energy efficiency and make more stringent over time.	Legislative agenda	
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<b>B2. Reduce energy use in existing commercial/industrial buildings.</b>					
	B2.1	commercial energy benchmarking &	Require energy performance ratings for commercial structures be disclosed so that owners, tenants, and prospective buyers are informed before making purchasing or rental decisions.	Legislative agenda	<b>Tumwater</b> B2.3 The City requested quotes from various vendors to do a LED lighting conversion project at the Tumwater Timberland Library and Tumwater City Hall. B2.1 Staff has also looked at how Clean Building Performance Standards will impact City facilities and has started to compile data in EnergyStar Portfolio Manager.
	B2.3	LED lighting	Install LED lighting in public-sector buildings and infrastructure (e.g., street lights, traffic signals).	Individual jurisdictions	
	B2.6	cool roofs	Create an incentive program for the installation of reflective roofs on commercial buildings to reduce building energy consumption and the urban heat island effect.	Individual jurisdictions	
	B2.8	performance standard	Set energy efficiency performance standards for commercial buildings with gross floor areas smaller than 50,000 square feet.	Legislative agenda	
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<b>B3. Reduce energy use across building types.</b>					
	B3.1	energy education	Provide educational resources and technical assistance to industry professionals, building owners and managers on all aspects of energy efficient building design, retrofits, and operations for new and existing buildings.	Supporting partner (PSE)	
	B3.4	exemplary buildings	Partner with public, private, non-profit, and faith-based organizations to facilitate rapid deployment and public awareness of high-profile demonstration buildings that use innovative energy efficiency and/or technology to limit energy use.	Supporting partner (unidentified)	
	B3.5	green building tracking	Develop data methodology to monitor use and impacts of green building incentives, to inform future incentives and develop recommendations for policy or programs.	Regionally coordinated	
<b>B4. Reduce energy use in new buildings or redevelopment.</b>					
	B4.4	green public buildings	Require that new local government facilities and other public buildings demonstrate green building technologies and practices.	Regionally coordinated	<b>Tumwater</b> B4.4 The City of Tumwater held a public meeting about our forthcoming Operations & Facilities Building we plan to built in the next 3 years. Information provided included a commitment to build the facility all-electric, the inclusion of EV chargers, and the incorporation of rooftop solar.
	B4.5	permitting incentives	Offer streamlined permitting, lower fees, or other incentives for projects that meet green building certification standards.	Regionally coordinated	
	B4.6	EE tax exemptions	Create a local property tax reduction or credit for new buildings that meet an energy efficiency performance standard.	Legislative agenda	
	B4.7	land use incentives	Provide land use incentives (such as floor area ratio, density bonus, height bonus, or parking reductions) for zero-net carbon buildings or other applications that dramatically increase energy efficiency.	Regionally coordinated	
	B4.9	permit counter technical assistance	Hire or contract with dedicated green building specialists to provide technical assistance through the permitting and development process.	Individual jurisdictions	
	B4.11	grid-connected appliances	Require smart appliances in new construction, especially water heaters that control timing of demand.	Legislative agenda	
	B4.12	multifamily submetering	Require submetering for new multifamily buildings so residents can track energy use.	Legislative agenda	
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<b>B5. Increase the production of local renewable energy.</b>					
	B5.3	public building solar	Install solar photovoltaics on all available and feasible municipal sites, including building rooftops, city hall, schools, police and fire stations, community centers, municipal water pump sites, and transit depots.	Individual jurisdictions	<p><b>Olympia</b> B5.5 Olympia received SolSmart gold designation in recognition for making it easier to install solar PV systems in Olympia. B5.8 Olympia's Land Use and Environment Committee discussed solar-readiness policies during their 6/16 committee meeting, and directed staff to include</p>

	B5.5	solSmart	Pursue SolSmart designations and adopt solar friendly practices.	Individual jurisdictions	single-family and multi-family residential solar-readiness as a part of the State Building Code update in July 2023. B5.3 Facilities staff evaluated the feasibility of rooftop solar on city buildings and identified priority sites for future rooftop solar projects. B5.10 Continued to support Olympia Community Solar's Solarize campaign by helping to advertise the campaign in Olympia's utility mailer, climate newsletter, and social media pages.
	B5.8	solar-ready	Evaluate and adopt elements of SolSmart program and adopt solar friendly practices.	Individual jurisdictions	<b>Tumwater</b> B5.3 Staff requested quotes from vendors to design additional solar on the roof of City Hall. Staff also did a preliminary assessment of water & wastewater facilities for their suitability for solar installations.
	B5.10	group purchasing	Develop/support a city-sponsored group solar purchasing program.	Individual jurisdictions	
<b>B6. Convert to cleaner fuel sources.</b>					
	B6.1	natural gas to electric conversions	Educate business owners and residents on the options for electric appliances and the benefit of pairing electrification with the installation of renewable energy. Create incentives to support fuel switching.	Supporting partner (PSE)	<b>Olympia</b> B6.1 Continued work with RMI and Habitat for Humanity to develop a heat pump group purchase campaign. B6.1 ECONorthwest continued work on regional building electrification cost assessment, including stakeholder interviews and method development.
	B6.2	electric appliances in new construction	Update municipal code to require electric appliances in new construction.	Legislative agenda	<b>Tumwater</b> B6.4 The City of Tumwater has committed to building its next facility all-electric with no natural gas connections.
	B6.4	natural gas transition	Phase out new natural gas connections in new buildings over time.	Legislative agenda	
<b>Transportation &amp; Land Use</b>					
<b>T1. Set land use policies that support increased urban density and efficient transportation networks and reduce urban sprawl.</b>					
	T1.1	coordinated long term planning- future infill and urban sprawl reduction	Coordinate long-term plans with transit agencies to project where increased density would support more transit corridors. Then change zoning/density that would support new transit corridors and variety of household incomes. Promote long-term equity and healthy communities by developing incentives such as density bonuses for development where a percentage of the units will be permanently affordable for household incomes. Look for opportunities to meet the Sustainable Thurston land use vision by reducing urban sprawl.	Individual jurisdictions	<b>Lacey</b> T1.2 Consolidated two lower density single family zones into one higher density zone that allows all housing types and styles. The primary goal is to promote infill development and additional density in existing neighborhoods. T1.9 Adopted updated ADU Website, in development stages of program expansion, met with other communities on potential code implementation, design guide, suitability map. <b>Regional</b> T2.17 TRPC's Commute Trip Reduction Program reports out that as of Nov/Dec 2021, 63.3% of Thurston workers in the CTR program and 71.1% of Capitol Campus workers in the CTR program reported teleworking. Previous rates from late 2019 are 5.5% and 4.4% respectively.
	T1.2	middle-density housing	Reevaluate and change zoning as needed to allow for a range of housing types to promote social economic integration of housing near the region's urban centers or moderate-density zones.	Individual jurisdictions	<b>Thurston County</b> T1.1 & T1.2 Thurston County Community Planning Department bringing on new .5 FTE Associate Planner and may include items in position scope.
	T1.3	Eco districts	Identify potential Eco districts to advance innovative district-scale urban development, sustainability, and neighborhood equity. Then make necessary code/zoning changes to support their development and set ambitious performance outcomes to ensure their long-term success.	Individual jurisdictions	<b>Tumwater</b> T1. Ongoing implementation of Growth Management Act plans that are intended to direct future growth into urban areas, supporting the expansion of transit and walkable communities.
	T1.4	20-minute neighborhoods	Increase the number of 20-minute neighborhoods (walkable environment, destinations that support a range of basic living needs and a residential density). Identify key infrastructure components needed to grow the number of 20-minute neighborhoods, then change zoning and codes if needed and coordinate with other jurisdictions to make public investments where necessary.	Individual jurisdictions	
	T1.9	ADUs	Amend development codes to allow for attached and detached accessory dwelling units (ADUs) in urban residential areas.	Individual jurisdictions	
	T1.11	land use efficiency	Set integrated goals to consider network efficiency and reduce urban sprawl in land use decisions, including how density in certain areas supports transit, increases efficiency of utility service, and other support facilities. Consider vehicle miles traveled (VMT) in identifying locations for large employment facilities.	Regionally coordinated	
<b>T2. Increase efficiency of the transportation system.</b>					
	T2.2	transportation efficiency	Fund programs and projects to increase transportation efficiency, reduce delay, and reduce emissions such as signalization coordination improvements along with application of speed harmonization techniques (ex. reevaluate speed limits, roundabouts vs signalized intersection, street connectivity). Added benefits are decreased idling time (pollution) and improve fuel efficiency (cost savings to driver).	Regionally coordinated	<b>Thurston County</b> T2.2 - Thurston County working with a consultant to conduct a study evaluating the amount of congestion on rural intersections. Next step will be evaluating emission levels and identifying appropriate actions for reduction. T2.17 Thurston County is implementing updated teleworking policy.
	T2.4	vehicle efficiency outreach	Develop educational campaigns about benefits (reduced greenhouse gas emission, increase fuel efficiency, safety) of properly inflated tires, including signage at gas stations and local businesses and partnering with schools.	Supporting Partner (unidentified)	<b>Tumwater</b> T2.2 Submitted a "Pedestrian and Bike Program" grant application for the X Street project which includes replacing a signalized intersection with a roundabout and reduced vehicle lane width to allow for a 5 foot wide bike lane in each direction.
	T2.17	teleworking/flex work	Increase opportunities for employee teleworking options and staggering workdays or schedules to reduce employees driving during peak traffic times.	Individual jurisdictions	
	T5.13	telecommuting infrastructure	Develop grants and provide financial resources for installation of infrastructure necessary to support telecommuting.	Regionally coordinated	
<b>T3. Increase adoption of electric vehicles.</b>					
	T3.1	EV parking new construction	Require large commercial and residential buildings to dedicate a percentage of parking spots for electric vehicle charging.	Regionally coordinated	<b>Olympia</b> T3.1/T3.5 Olympia's Land Use and Environment Committee discussed ev-charging and ev-ready parking policies during their 6/16 committee meeting, and directed staff to begin work on developing an ev-readiness ordinance that exceeds the statewide minimum requirements.
	T3.2	free EV parking	Allow free parking for all electric vehicles at local government buildings and in city centers to encourage the adoption of all electric vehicles. Increase cost of parking for Non-EV vehicles.	Individual jurisdictions	<b>Thurston County</b> T3.7 Thurston County Community Planning Department bringing on new .5 FTE Associate Planner and may include items in position scope. T3.10 Thurston County has two fully electric vehicles. \$150,000 was allocated for electric vehicle charging stations, project in progress.
	T3.5	EV ready building code	Require all new residential construction be built EV ready. Create a simple and consistent residential charging station permitting process to reduce costs and time to development.	Regionally coordinated	<b>Tumwater</b> T3. Confirmed that T3.2 and T3.7 do not apply to the City of Tumwater as we do not currently charge for parking nor exclude EV charging through zoning regulations. Regardless of T3.2 not applying to the City of Tumwater, we requested quotes from vendors for the installation of 3 Level 2 EV chargers to be installed at City Hall. T3.10: Installed 4 additional EV chargers to support current and future fleet electrification.
	T3.7	EV integration	Reevaluate regulations and make necessary changes to ensure charging stations are able to be permitted in locations where they are needed.	Individual jurisdictions	
	T3.10	zero emission fleets	Investigate options then set appropriate timetables and policies for municipal and other governmental entities to replace public fleets with cleaner, energy-efficient vehicles to reduce long term fuel costs, improve air quality, and reduce greenhouse gas emissions.	Individual jurisdictions	
	T3.11	EV education	Partner with environmental and other agencies to increase consumer awareness about EV options and incentives for use and purchase.	Supporting Partner (unidentified)	

	T3.14	EV mass purchase discounts	Create a group purchase program for residents to get deep discounts on EVs, other fuel efficient and alternative fuel vehicles.	Supporting Partner (unidentified)	
	T3.15	EV purchase incentives	Partner with car sale and lease dealerships to provide incentives for purchase of electric vehicles by Thurston County residents. Pilot with those neighborhoods, individuals with greatest VMT potential.	Supporting Partner (unidentified)	
T4. Increase the use of public transit.					
	T4.1	increase transit	Increase local public transit routes/frequency with a focus on ensuring the greatest number of riders have access to a low-carbon transportation option. Any expansion of service should include an analysis of climate impacts to ensure the program does not result in an increase in greenhouse gas emissions.	Supporting partner (IT)	
	T4.3	transit connections	Identify and implement first/last mile, low carbon solutions to connect neighborhoods without the population to support fixed routes to transit options. Engage homeowners associations for representation and feedback. Any expansion of service should include an analysis of climate impacts to ensure the program does not result in an increase in greenhouse gas emissions.	Regionally coordinated	
	T4.4	fareless system	Maintain a fareless system for public transit.	Supporting partner (IT)	
	T4.10	rider education/benefits	Maintain and expand a regional online page that lists all the mode shift education efforts and employer benefits opportunities (Thurston Here-To-There). Include a comments section for suggestions to further transit education and ridership.	Regionally coordinated	
	T4.15	promote transit benefits	Work with employers and transit agencies to develop ways to incentivize employee ridership (ex. rebates for employees who give up use of employer parking facilities).	Regionally coordinated	
T5. Increase use of active forms of travel and more efficient commute modes.					
	T5.1	walk/bike infrastructure	Coordinate bicycle and pedestrian plans of the cities and Thurston County into a large regional plan to expand walking and bicycling infrastructure, including separated and protected opportunities. Coordinate efforts to maximize funding mechanisms and opportunities.	Regionally coordinated	<b>Olympia</b> T5. Continued to move the State & East Bay project forward. Received WSDOT City Safety grant for 4th & Plum. Received TIB Complete Streets grant for Downtown to Southeast Bike Corridor. Applied for WSDOT Ped/Bike Program grant for Downtown to Southeast Bike Corridor. Applied for WSDOT SRTS Program grant for Westside Bike Corridor. Finished Franklin Street project. Continued to move the Fones Rd project forward.
	T5.2	barriers to transportation alternatives	Develop a regional inventory to identify gaps in connectivity for safe cycling and walking. Then develop a strategy to prioritize projects and a plan for funding.	Regionally coordinated	<b>Thurston County</b> T5.11 Thurston County Community Planning Department bringing on new .5 FTE Associate Planner and may include items in position scope.
	T5.4	school drop-off alternative modes	Maintain and expand a walking/biking incentive program with safety education for families.	Supporting partner (IT)	<b>Tumwater</b> T5.1 In addition to the above mentioned grant application for increased bike lanes the City of Tumwater also submitted a "Safe Routes to School" grant application to reduce lane width on 2nd Ave and increase sidewalk widths and add a 5 foot wide bike lane in each direction.
	T5.11	mode shift targets and car-free areas	Reevaluate long term plans and update to prioritize pedestrians and people riding bikes. Set goals for mode shift and plans on how to achieve those goals like developing car-free corridors in commercial and mixed use areas to encourage mode shift.	Individual jurisdictions	
<b>Water &amp; Waste</b>					
W1. Increase the efficiency of water and wastewater infrastructure.					
W2. Reduce water consumption.					
	W1.1	municipal energy efficiency	Conduct efficiency improvements to municipal water and sewage treatment systems. Prioritize components that consume the most energy and have high GHG emissions.	Individual jurisdictions	<b>Tumwater</b> W1.1 and 2.2 The City of Tumwater has started the process to hire an ESCO to do an energy & water audit of city facilities and water resources infrastructure.
	W2.2	water audits	Conduct water audits of city and county facilities to determine prioritization of capital improvements.	Individual jurisdictions	
W3. Reduce emissions from wastewater treatment operations.					
	W3.1	nitrous oxide capture	Research and implement nitrous oxide mitigation strategies and strategies to avoid or reduce nitrous oxide emissions. Present findings and cost vs benefits analysis to policy makers to determine what changes should be made.	Supporting partner (LOTT)	
W4. Divert more solid waste from landfills.					
	W4.4	waste audits	Provide waste audits for business owners and education on practices that decrease waste (ex. Compost, recycling, reuse).	Supporting partner (EDC)	<b>Olympia</b> W4.4 Completed 7 waste assessments with city businesses, added 80 residential composting customers and 7 commercial composting customers.
	W4.10	waste less food program	Expand Thurston County's "Waste Less Food" program.	Regionally coordinated	
W6. Reduce consumption of carbon-intensive goods and services.					
	W6.6	supply chain	Provide free technical assistance to local businesses in reducing the carbon intensity of their supply chains.	Supporting partner (EDC)	
<b>Agriculture &amp; Forests</b>					
A1. Reduce emissions from agricultural practices.					
A2. Support agricultural practices that sequester carbon.					
	A1.2	nutrient management	Provide education and incentives (e.g., grants, loans, technical assistance) reduce nitrous oxide emissions when managing fertilizer.	Supporting partner (TCD)	<b>Olympia</b> A2. Staff met with the Thurston Conservation District to discuss potential partnerships, opportunities to provide education to community gardeners in Olympia Parks, and an Agripark Feasibility Study (kickoff in late summer).
	A2.1	regenerative agriculture	Expand regenerative agricultural practices among farmers that aim for a "whole farm" approach. Provide education on how to increase organic matter content and water retention in soils within urban and agricultural settings.	Supporting partner (TCD)	
A5. Manage forests and other ecosystems to sequester carbon.					
	A5.1	reforestation & afforestation program	Develop a coordinated reforestation/afforestation program. Begin by identifying priority areas where reforestation and afforestation may have carbon reduction benefits.	Regionally coordinated	<b>Thurston County</b> A7.3 Thurston County on track to receive incidental take permit (ITP) from US Fish and Wildlife Service by July 12, 2022. HCP program ready for full

	A7.3	prairie preservation	Support aggressive implementation of habitat conservation plans that provide for preservation and restoration of prairie habitat for endangered and threatened prairie species.	Regionally coordinated	implementation Jan. 1, 2023 <b>Tumwater</b> A7.3 Held meetings with USFWS and WDFW to review their comments on the administrative draft of the Habitat Conservation Plan prepared by the City and the Port of Olympia. Prepared grant funding request for Phase 3 Federal Funding to complete the development of the Habitat Conservation Plan.
<b>A6. Reduce emissions from the urban landscape.</b>					
	A6.5	municipal canopy	Maximize tree canopy on jurisdiction owned or managed land, where appropriate in balance with other jurisdictional goals.	Individual jurisdictions	<b>Regional</b> A6. TRPC worked with Thurston County to develop a data layers and maps of tree canopy in county and Urban Growth Area land. The project included looking at change in tree cover from 2011-2021 and identifying areas at risk of forest conversion. A6.5 The Steering Committee sent a letter to DNR opposing the clearcutting of legacy forests in Thurston County. <b>Thurston County</b> A6.5 Thurston County will include work on municipal canopy as a part of the Healthy Forest project and will occur with the joint code update. A6.9 Thurston County secured grant funds in partnership with City of Olympia to complete Healthy Forest project by July 2023. <b>Tumwater</b> A6.5 Identified two consultants to provide proposals to work on updating the City's Street Tree Plan. A6.9 Brought on a consultant to update the City's tree and vegetation protection ordinance.
	A6.9	tree canopy preservation	Develop a tree canopy ordinance that establishes a baseline for current urban canopy and sets goals for future canopy to increase resilience. Combine direct cooling value (urban heat island mitigation) with carbon sequestration value when evaluating urban tree management.	Individual jurisdictions	
<b>Cross-cutting</b>					
<b>G1. Conduct education and outreach across climate mitigation areas.</b>					
	G1.7	social research and behavior change campaigns	Work with higher education institutions to research effective behavior change through marketing and education. Use this information in developing campaigns to reduce high emissions greenhouse gases.	Regionally coordinated	
<b>G4. Enhance monitoring and evaluation of climate mitigation measures and outcomes.</b>					
	G4.1	emissions inventory	Prepare and publish an annual emissions inventory that tracks greenhouse gas emissions by jurisdiction and source category. Review and update emissions inventory methodology as necessary to address improvements to data or methodologies, improve consistency, incorporate changes to state or federal policies, or report on issues of local interest.	Regionally coordinated	<b>Regional</b> G4.1 TRPC has started work on the emissions inventories for 2010-2021. TRPC has also signed on to a cohort that will go through one method to incorporate land-cover related emissions into the inventory. G4.2 The regional Climate Actions & Assessment webpages are live. These pages show emissions broken into sectors, in addition to many performance metrics. The pages also include links to community resources and information about TCMP actions and strategies.
	G4.2	performance measures	Develop performance measures to determine progress toward greenhouse gas reduction targets and other regional goals. Regularly update and publicize for community to track their progress.	Regionally coordinated	
	G4.3	other emission sources and sinks	Expand sources and sectors in future emissions inventories to inform future regulatory policy to reduce greenhouse gas emissions. Connected to actions T1.5 and W6.1, and sequestration actions.	Regionally coordinated	
	G4.4	vulnerable populations	Develop a data and monitoring mechanism that is specific to marginalized groups and their needs related to climate change and climate reality (e.g., access to transportation, access to A/C, proximity to cooling centers) and develop a plan to address these vulnerabilities with solutions that help reduce GHG emissions.	Regionally coordinated	
	G4.6	social cost of carbon	Develop and adopt policies that require the use of a "social cost of carbon measure" in zoning, development, construction, and transportation decisions.	Regionally coordinated	
<b>G5. Advocate for climate-mitigating state and federal policy.</b>					
	G5.5	legislative agenda	Prioritize climate mitigation policy in the municipalities' legislative agenda each year. Instruct municipal lobbyists to track and report on climate bills, and advocate for those bills that will help reduce local emissions. Work with other jurisdictions across the state to add this to the priorities for the Association of Washington Cities and Washington State Association of Counties.	Legislative agenda	