

Responses have been combined from forms submitted by individual jurisdictions. Questions about activities in this report can be directed to climate@trpc.org.

Jurisdiction: All					
Contact: Casey Mauck					
Reporting Period: January-March 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>
General					
Climate mitigation activities not tied to a specific sector, strategy, or action in the Thurston Climate Mitigation Plan.					<p>Regional In January, the four regional partners approved a 3-year Interlocal Agreement to continue coordinating climate mitigation activities. The partners held regular Steering Committee and Staff Team meetings to coordinate on implementation activities. https://www.trpc.org/DocumentCenter/View/10928/TCMP-Phase-4-ILA-Signed-03012022</p> <p>Olympia Olympia has hired two Climate Program Interns (one intern is supported through a partnership with Evergreen State College, and submitted a project application to host a CivicSpark Fellow for the 2022-23 program year.</p> <p>Thurston County 1. Amending C-PACER to accommodate legislative change. 2. Drafting new Climate Program Manager job description. Expected hire by June 2022.</p> <p>Tumwater Tumwater applied for and won the municipality division of the Thurston Green Business Awards for sustainability efforts in 2021.</p>
Buildings & Energy					
B1. Reduce energy use in residential buildings.					
	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	Lacey B1.2 Began developing an Energy Efficiency Audit program and gap analysis.
	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	
B2. Reduce energy use in existing commercial/industrial buildings.					
	B2.1	commercial energy benchmarking & disclosure	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	<p>Regional B2.8: Steering Committee advocated for passage of SSB 5722 as part of its legislative priorities.</p> <p>Olympia B2.3 Public Works Facilities team has completed a LED conversion for the entire 108 State Street (old Family Support Center) facility. The building is 14,700 sqft. Approximately 300 light fixtures were updated.</p> <p>Tumwater B2.3: Received a quote from PSE on the price to convert all PSE owned street lights to LED, working internally to determine funding and timing for such an endeavor.</p>
	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	
B3. Reduce energy use across building types.					
	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	
B4. Reduce energy use in new buildings or redevelopment.					
	B4.4	green public buildings	Require that new local government facilities and other public buildings demonstrate green building technologies and practices.	Regionally coordinated	<p>Regional B4.6, B4.11: Steering Committee advocated for passage of ESHB 1770 among its legislative priorities. The bill would have allowed local jurisdictions to adopt a residential reach code in place of the state Energy Code.</p>
	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	

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	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	
B5. Increase the production of local renewable energy.					
	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	Olympia B5.5 Submitted application for sol-smart designation.
	B5.5	solSmart	Pursue SolSmart designations and adopt solar friendly practices.	Individual jurisdictions	B5.10 Shared announcement for upcoming Olympia Community Solar group purchase campaign on City social media. Will include information about the campaign in the next Climate Newsletter and Five Things utility mailer.
	B5.8	solar-ready	Evaluate and adopt elements of SolSmart program and adopt solar friendly practices.	Individual jurisdictions	B5. CDBG awarded (pending City Council approval on 4/19) \$250k to Olympia Community Solar to install solar on 7 single family and multi-family homes owned by Homes First in Olympia. The seven systems, cumulatively 95.5 kW of solar energy, will produce more than \$530,000 of energy savings over their 30 year warranted lives. The 265 megawatt hours of solar electricity will also prevent 2.3 million pounds of CO2 emissions, the equivalent of 4.2 million vehicle miles.
	B5.10	group purchasing	Develop/support a city-sponsored group solar purchasing program.	Individual jurisdictions	
B6. Convert to cleaner fuel sources.					
	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)	Regional B6.4: Steering Committee advocated for passage of HB 1766 among its legislative priorities. The bill would have set deadlines to limit new gas connections and transition toward electrification.
	B6.2	electric appliances in new construction	Update municipal code to require electric appliances in new construction.	Legislative agenda	Olympia B6. Began work with RMI and Habitat for Humanity to develop a heat pump group purchase campaign. B6. Held project kick-off meeting with ECONorthwest to conduct a regional building electrification cost assessment, and provided contacts to ECONorthwest for stakeholder interviews.
	B6.4	natural gas transition	Phase out new natural gas connections in new buildings over time.	Legislative agenda	B6. In January, Olympia City Council passed a resolution stating the intent of the City to electrify city-owned facilities and Olympia's built environment. The resolution requires the city to electrify all newly constructed city-owned buildings and major renovations of existing buildings, and inventory existing buildings to evaluate the feasibility of retrofitting existing buildings to become all-electric. In March, Olympia City Council had a work session to discussion policy pathways to building electrification, and the Land Use Committee had a briefing and discussion on commercial building electrification policies. B6. Olympia provided written and oral testimony to the State Building Code Council in support of the heat pump space and water heating proposals for the 2021 Commercial Energy Code.
Transportation & Land Use					
T1. Set land use policies that support increased urban density and efficient transportation networks and reduce urban sprawl.					
	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	Lacey 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. Olympia T1.4 Neighborhood Centers Plan - The City hired a consultant and began the initial phase of the project, including field visits to each neighborhood center. Consultant delivered a draft market analysis and neighborhood center profile. T1.1 Began work to develop subarea plan for Capital Mall Triangle. Issued RFQ for consultant and hired new Senior Planner to work on this project. Thurston County T1.1 & T1.2 - Thurston County Community Planning Department bringing on new .5 FTE Associate Planner and may include items in position scope.
	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	
	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	
	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	
T2. Increase efficiency of the transportation system.					

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	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	Regional T2.17: CTR Program, TRPC completed a survey of Commute Trip Reduction work sites, with results showing proportion of different commute modes, including teleworking. Results available at: https://www.trpc.org/1096/2021-Survey-Results Olympia T2.2 Design and right-of-way acquisition continued for Fones Road. Fone Road project will mitigation some congestion and add safer, active transportation facilities. T2.8 Hired project planner to review parking standards on Urban Corridors.
	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)	Thurston County 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. Public Works hired an Associate Civil Engineer, this position will become the project manager for work on transportation efficiency. T2.17 Thurston County implements updated teleworking policy.
	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	
T3. Increase adoption of electric vehicles.					
	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	Lacey T3.1 and T3.7 Adopted regulations that require EV charging stations and infrastructure for future expansion of EV charging for all multi-family and long term care facilities.
	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	Olympia T3.10 Public Works Fleet has ordered 6 Ford Lightning EV's through Department Of Enterprise Services (ETA is 9 months).
	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	Thurston County 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.
	T3.7	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	Tumwater T3.2: Installed six more EV chargers behind City Hall (now a total of eight) to be used by City vehicles as we move towards an electric fleet. T3.10: Purchased four electric trucks to be used by our operations division, expect to receive those vehicles by the end of the year. In addition we ordered two plug-in hybrid small SUVs.
	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)	Regional T4.10: TRPC kicked off project work to update the Here-To-There website.
	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	Regional T5.2 and T5.4: School Walk Route Mapping. TRPC completed draft school walking route maps for the Tumwater School District. Olympia T5. Completed Street Safety Plan update. T5. Applied for SDOT City Safety grant for 4th and Plum project to make it easier and safer to walk and bike. T5. Finalized design for State and Bayview project to make it easier and safer to walk and bike.

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	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	T5.1 TRPC hosted one stakeholder meeting to discuss maintenance of shared use trails. PW Transportation provided information to TRPC for its trails plan update.
	T5.4	school drop-off alternative modes	Maintain and expand a walking/biking incentive program with safety education for families.	Supporting partner (IT)	Thurston County T5.11- Thurston County Community Planning Department bringing on new .5 FTE Associate Planner and may include items in position scope.
	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	Tumwater T5.1: Incorporated adding side walks and bike lanes on either side of Sapp Road, which currently lacks either, as it crosses Percival Creek as part of the design phase of the Percival Creek Fish Passage Barrier Removal project.
Water & Waste					
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	
	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)	Olympia W4.4 Completed 7 waste assessments for city businesses so far this year.
	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)	
Agriculture & Forests					
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)	
	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	Olympia A5.1 Partnered with Thurston County to develop scope of work for a Tree Canopy Assessment and applied for Washington DNR Urban and Community Forestry Grant.
	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	A5.1 Habitat Stewardship GIS systems updated to improve prioritization, planning and tracking of restoration/tree planting projects. A5. Urban Forestry Policy Team began early discussion to plan for the development of an Urban Forest Management Plan.
A6. Reduce emissions from the urban landscape.					
	A6.5	municipal canopy	Maximize tree canopy on jurisdiction owned or managed land, where appropriate in balance with other jurisdictional goals.	Individual jurisdictions	Olympia Olympia Parks and Public Works/Habitat Restoration planted more than 1800 trees during the 2021/2022 planting season.
	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	Thurston County 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.
Cross-cutting					
G1. Conduct education and outreach across climate mitigation areas.					
	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	
G4. Enhance monitoring and evaluation of climate mitigation measures and outcomes.					
	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	Tumwater G4.4: With the help of the Action Mapping Project out of the University of Washington Tacoma, the cities of Olympia, Tumwater, and Thurston County are finishing the Thurston County Equity Index, a geospatial tool to help identify areas of increased burden throughout the canopy. Final deliverables for this project are expected this month. Tumwater will be working over the next six months to create Storymaps aimed at presenting this information in a usable and understandable format for our residents and internal staff.

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	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	
G5. Advocate for climate-mitigating state and federal policy.					
	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	Regional G5.5: Steering Committee approved a set of legislative priorities and advocated for them during the 2022 legislative session. https://www.trpc.org/DocumentCenter/View/10926/TCMP-2022-Legislative-Priorities