

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

Reporting Period: 2021				Action Status	Quarterly Updates			Notes	
Sector/Strategy	Action ID	Short name	Action Description	Implementation Approach	2021	Q1-Q2 2021 Activities Summary of activities reported for Jan-June 2021.	Q3 Activities Summary of activities reported for Jul-Sept 2021.	Q4 Activities Summary of activities reported for Oct-Dec 2021.	Challenges, barriers, recommendations, other notes
General									
						<p>Regional The four regional partners adopted an ILA for Phase 3 of Climate Mitigation implementation in April 2021 and regular meetings were held for the Climate Action Steering Committee and staff team.</p> <p>Lacey Outreach and community engagement through online open house, survey, social media, and community online presentations. Planning Commission held public hearing May 18, 2021 and recommended adoption of TCMP into Comprehensive Plan.</p> <p>Olympia 1: Established a city-wide Climate Action Team, with representation from all relevant city programs and departments. 2: Developed draft climate lens tools to evaluate climate considerations for all city policy, planning, project, and expenditure decisions.</p>	<p>Regional The four regional partners held regular Steering Committee and Staff Team meetings to coordinate on implementation activities.</p> <p>Lacey Adopted TCMP Adopted Urban Forest Management Plan updates as part of annual Comprehensive Plan Amendments.</p> <p>Olympia Olympia's Climate Action Team members participated in 4 Climate Action workshops to develop citywide climate action expertise and identify opportunities for all city programs and departments to support the implementation of the Thurston Climate Mitigation Plan.</p> <p>Thurston County 1.The Commercial Property Clean Energy and Resilience (C-PACER) Ordinance was passed July 20,2021. 2. A Spending Implementation Overview document was created and presented to the County Commissioners that identified needed resources to implement individual jurisdiction actions.</p>	<p>Regional The four regional partners held regular Steering Committee and Staff Team meetings to coordinate on implementation activities.</p> <p>Thurston County 1. Process mapping and implementation for The Commercial Property Clean Energy and Resilience (C-PACER) Ordinance 2. Board of County Commissioners approved the budget for creating two new climate focused staff positions. Positions include a Climate Coordinator and part-time Associate Planner in the Community Planning and Economic Development Department.</p>	<p>Tumwater The process for hiring a Sustainability Coordinator for the City has started, however there is not currently sufficient staffing to coordinate all the City actions required by the plan.</p>
			Climate mitigation activities not tied to a specific sector, strategy, or action in the Thurston Climate Mitigation Plan.						
						<p>Olympia Olympia received two grants to improve conditions for walking and biking: \$900,000 for improving the intersection and trail crossing at Boulevard and Wheeler from the Safe Routes to School Program; \$700,000 for bike and pedestrian safety improvements at State Ave and Plum from the City Safety Program</p>	<p>Regional TRPC applied for a grant to develop a regional freight strategy through the US Department of Transportation's Rebuilding American Infrastructure with Sustainability and Equity (RAISE) program. The study would look at ways to reduce transportation emissions from medium and heavy trucks, which contribute 6% of annual emissions (among other goals).</p> <p>Olympia Olympia applied for two grants - one to support the subarea plan for a high density, mixed use area with transit-oriented development and the other to reduce parking requirements, especially in proximity to frequent transit and designated urban corridors.</p>	<p>Regional TRPC supported the JBLM Sentinel Landscape Partnership and Nisqually River Foundation in developing a pre-proposal application for a REPI Challenge grant from the Department of Defense. The proposed project would have looked at ways to integrate climate vulnerability and mitigation, including carbon sequestration in prairie areas, into management plans that aim to preserve military readiness at JBLM while protecting ESA-listed species. The project was not selected to move forward to the next stage of the application process.</p> <p>Olympia Olympia was awarded two grants from the WA State Department of Commerce. One is a Transit Oriented Development Implementation (TODI) grant that will be used to prepare a sub-area plan for the Capital Mall Triangle subarea. The second grant is a Housing Action Plan Implementation (HAPI) Grant to fund reduced parking requirements for residential uses, including for multifamily developments near frequent transit routes.</p>	
			List any grants submitted or other funding opportunities initiated to implement climate mitigation activities.						
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	In progress	<p>Regional B1.1, B1.2, B1.4, B1.5, B1.6: The Steering Committee approved TRPC developing a white paper outlining policy options for these actions.</p> <p>Olympia B1.1 and B1.2: Conducting a policy and program review for residential energy performance rating and disclosure ordinance.</p>	<p>Olympia B1.1 and B1.2: Completed the policy and program review of a potential regional residential energy performance disclosure requirement.</p> <p>Tumwater Working with the City of Olympia to provide funding for a building electrification cost-assessment.</p>	<p>Lacey B1.5: Lacey extended the Multi Family Tax Exemption program through 2034.</p>	
	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	In progress				
	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	In progress				
	B1.5	property tax credit	Create incentives such as a property tax credit for property owners who participate in energy efficiency.	Legislative agenda	In progress				
	B1.6	rental housing EE baseline	Require rental units to meet baseline levels of energy efficiency and make more stringent over time.	Legislative agenda	In progress				
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	Not started	<p>Thurston County B2.3: In Progress. County currently switching out lighting with LED when replacing.</p> <p>B2.6: Not applicable to County</p>	<p>Lacey B2.3 Lacey: Ongoing implementation of LED lighting program for city owned streetlights</p>	<p>Tumwater B2.3 Currently working with PSE to update costs associated with switching all rented streetlights to LED</p>	

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	B2.3	LED lighting	Install LED lighting in public-sector buildings and infrastructure (e.g., street lights, traffic signals).	Individual jurisdictions	Existing/Ongoing	Lacey B2.3 Ongoing implementation of LED lighting program for city owned street lights. The program began in 2015, and has installed 3,000 LEDs, with 2,200 more to be installed between now and a target year of 2025. Annual energy savings - PSE bills went from \$513,000 to \$270,000 - a 57% energy savings on average.	Olympia B2.3: In August, 2021, Facilities staff completed a lighting project at the Regional Fire Training Center to improve overall lighting and replace fluorescent fixtures with LEDs. Olympia invested 290 hours of Facilities labor to replace 145 light fixtures in three separate buildings on the campus. This project increased lighting efficiency 33 percent on the fluorescent to LED conversion and is expected to last twice as long as the previous fluorescent fixtures. Tumwater B2.3 Ongoing implementation of LED lighting program for city owned street lights. Thurston County 1.The Commercial Property Clean Energy and Resilience (C-PACER) Ordinance was passed July 20,2021.	Same as last quarter.				
	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	Not started							
	B2.8	performance standard	Set energy efficiency performance standards for commercial buildings with gross floor areas smaller than 50,000 square feet.	Legislative agenda	Not started							
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)	Existing/Ongoing	No partner activities reported during this period.	No partner activities reported during this period.	No partner activities reported during this period.				
	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)	Not started							
	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	Not started							
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	In progress	Thurston County B4.5: In progress Lacey B.4.5 permitting incentives - 2 development projects approved that took advantage of density bonus for implementing solar and LEED equivalent for multifamily development on Carpenter Rd and Martin Way. (LMC 16.23.020) Olympia B4.4: Councilmember Lisa Parshley presented a referral to Olympia City Council, requesting that the Land Use & Environment Committee draft a decarbonization resolution to formalize the City's investment in clean energy and commitment to city-wide decarbonization. The resolution should: Require all new city-owned buildings and major renovations of existing buildings to exclude natural gas, require fossil fuel infrastructure to be replaced with fossil fuel free infrastructure at the end of useful life, and direct staff to evaluate the transition away from fossil fuel infrastructure as a part of future building condition assessments.	No partner activities reported during this period.	No partner activities reported during this period.	B4.12 - Olympia Community Solar reports requiring submetering for multifamily may create a barrier to installing renewables. Consider revising/removing action.			
	B4.5	permitting incentives	Offer streamlined permitting, lower fees, or other incentives for projects that meet green building certification standards.	Regionally coordinated	Existing/Ongoing							
	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	In progress							
	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	Not started							
	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	Not started							
	B4.11	grid-connected appliances	Require smart appliances in new construction, especially water heaters that control timing of demand.	Legislative agenda	Not started							
	B4.12	multifamily submetering	Require submetering for new multifamily buildings so residents can track energy use.	Legislative agenda	Needs action							
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	In progress	Thurston County B5.8: Completed. Current code includes solar-ready Olympia B5.3: Olympia approved two new community solar projects to be installed on City-owned buildings. Olympia Community Solar is developing a community solar project at the Farmer's Market, and PSE is developing a community solar project at the Olympia Center. B5.5: Olympia is in the process of pursuing SolSmart designation. B5.10: Olympia helped to advertise the Solarize Thurston Campaign through social media posts, online newsletters, and the 5 Things Utility Mailer. B5.5 and B5.8 Minor revisions to OMC Title 18 to clarify provisions related to renewable energy installations.	Olympia B5.5: Olympia continued to develop resources to support our SolSmart designation, including a solar resources webpage and solar permit guidelines for residential rooftop solar.	No partner activities reported during this period.				
	B5.5	solSmart	Pursue SolSmart designations and adopt solar friendly practices.	Individual jurisdictions	In progress							
	B5.8	solar-ready	Evaluate and adopt elements of SolSmart program and adopt solar friendly practices.	Individual jurisdictions	In progress							
	B5.10	group purchasing	Develop/support a city-sponsored group solar purchasing program.	Individual jurisdictions	In progress							
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)	In progress	Olympia B6.2 and B6.4: Staff are developing a scope and budget to conduct a building electrification impact assessment for all new residential and commercial construction.	Olympia B6.1: Olympia submitted an application to participate in Electrify Community Cohort offered by RMI and WRI. The goal of this cohort is the help participating communities launch Electrify campaigns which combine heat pump bulk-purchasing with community education, to accelerate heat pump adoption for space heating/cooling and water heating, particularly in underserved and overburdened neighborhoods. Tumwater B6.1, B6.2, B6.4: The City of Tumwater is working with the City of Olympia to provide funding for a building electrification cost-assessment. B6.2 and B6.4: Olympia shared a proposal for a building electrification cost assessment with the Multijurisdictional Staff Team.	B6.1: B6.1 Olympia has been accepted to participate in the RMI 2022 Electrify Cohort to design and launch an electric heat pump group purchase campaign in 2022. The City will partner with South Puget Sound Habitat for Humanity to co-design and launch the campaign.				
	B6.2	electric appliances in new construction	Update municipal code to require electric appliances in new construction.	Legislative agenda	In progress							
	B6.4	natural gas transition	Phase out new natural gas connections in new buildings over time.	Legislative agenda	In progress							
Transportation & Land Use												
	T1	Set land use policies that support increased urban density and efficient transportation networks and reduce urban sprawl.										

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	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	In progress	Regional T1.1: TRPC, Intercity Transit, Olympia, Lacey, and Thurston County are working on a plan for the Martin Way Corridor. In June, the draft Current Conditions report was released and virtual public meeting and open house were held. https://www.trpc.org/1000/Martin-Way-Corridor-Study T1.11: In June, TRPC completed the 2021 Buildable Lands Report, which included an assessment of progress toward the Sustainable Thurston land use targets included in the TCMP: https://www.trpc.org/164/Buildable-Lands-Program	Lacey T1.9: Won Governor's Smart Communities Award for ADU program Olympia T1.1 - In August Olympia adopted reduced parking requirements for certain housing types when located within one quarter mile of frequent transit. (Ord. 7288). T1.4 - Olympia issued a RFQ for professional consulting services to address Neighborhood Centers, a key component of Olympia's Comprehensive Plan for providing small scale neighborhood retail across the City, within walking distance of most neighborhoods. T1.9 - Olympia updated its webpage and ADU handout to reflect current provisions, the addition of the new "pre-approved" ADU plans, and created informational materials and handouts to keep at the permit counter.	Thurston County Newly approved .5FTE Associate Planner position may include focus on the following action items: - T1.1 - T1.2 Lacey T1.2: Moved forward with consolidating single family zoning district and allowing mixed units in these zones. Olympia T1.4: Olympia hired a consultant for the neighborhood centers work that will occur in 2022. T1.1: Olympia was awarded two grants from the WA State Department of Commerce. One is a Transit Oriented Development Implementation (TODI) grant that will be used to prepare a sub-area plan and non-project environmental impact statement (EIS) that facilitates transit-oriented development within Olympia's 272-acre Capital Mall Triangle subarea. The second grant is a Housing Action Plan Implementation (HAPI) Grant. This grant application would fund one of the most important actions of our new Housing Action Plan – to reduce parking requirements for residential uses, including for multifamily developments near frequent transit routes. This grant will also fund work to increase flexibility and predictability in the permit process. This step involves regulatory streamlining. Work under these grants will occur in 2022 and the first half of 2023.	
	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	In progress	Thurston County T1.3: Not applicable to County T1.4: Not applicable to County T1.9: In Progress			
	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	Not started	Lacey T1.1 Ongoing coordination of Martin Way corridor project, ongoing investment in Midtown to promote mixed use buildings and pedestrian oriented design. T1.9 Ongoing promotion of ADU program			
	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	In progress	Olympia T1.1: Thurston Regional Planning Council, Intercity Transit, Thurston County, and the Cities of Olympia and Lacey are in the process of conducting the Martin Way Corridor Study (MWCS). Martin Way is identified as an Urban Corridor in Olympia's Comprehensive Plan and is a major transportation route for the High Density Neighborhood planned between Boulevard and Lilly Roads. The MWCS should provide coordinated information to help accommodate that high density infill development in Olympia. T1.1: Olympia staff are submitting a grant application, with input from multiple city departments and Intercity Transit staff, to develop a subarea plan and a planned action for the high density neighborhood area planned on the westside of Olympia, near Capital Mall. T1.2: Olympia adopted Housing Option Code Amendments to increase the variety of housing types (ADUs, duplexes, triplexes, fourplexes, sixplexes and courtyard apartments) and reduce barriers for them (e.g. lot size and lot width standards). T1.4: Olympia began public meetings on the "Neighborhood Centers" provisions in its Comprehensive Plan, is developing a proposal for securing professional consulting services to study needs of and appropriate development standards for them, and has integrated this into its work program for 2021 and 2022. T1.9: In Dec 2020 the City of Olympia revised its development requirements for ADUs and eased restrictions to make adding ADUs throughout the community easier. Additionally, the Cities of Olympia, Lacey, and Tumwater have provided four detached ADU building plans that have been reviewed and approved under the International Building Codes. These plans are available, free of charge, to property owners when obtaining permits. The options include a 480 sq. ft. studio; a 600 sq. ft. one bedroom; an 800 sq. ft. two-bedroom one-story; or an 800 sq. ft. two-bedroom two-story ADU.			
	T1.9	ADUs	Amend development codes to allow for attached and detached accessory dwelling units (ADUs) in urban residential areas.	Individual jurisdictions	Complete				
	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	In progress				
T2. Increase efficiency of the transportation system.									
	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	In progress	Regional T2.2: TRPC oversees a process to award federal transportation grants for several programs that address transportation efficiency, including the Surface Transportation Block Grant (STBG) and Congestion Mitigation and Air Quality Improvement Program (CMAQ). T2.17, T5.13: TRPC coordinates the state-funded Commute Trip Reduction Program and the Federally funded Capitol Campus telework program.	Regional T2.2: TRPC is developing criteria to consider a transportation project's ability to reduce greenhouse gasses for use in scoring applications for transportation funding applications in 2022. The Smart Corridors II project between Intercity Transit, Olympia, Lacey, and Tumwater is looking into transportation efficiencies in urban corridors through signal optimization and synchronization and implementation of transit signal priority. T2.17: TRPC completed the I-5/US 101 Practical Solutions: State Capitol Campus Transportation Demand Management - Mobile Work Project, including information on teleworking trends during the pandemic and recommendations for increasing teleworking and reducing single-occupancy vehicle use on the Capitol Campus.	Regional T2.2: TRPC is developing criteria to consider a transportation project's ability to reduce greenhouse gasses for use in scoring applications for transportation funding applications in 2022. Draft criteria were circulated for review by jurisdiction staff. Thurston County T2.2: Board of County Commissioners approved 1 FTE staff position. Action T2.2 will fall within the scope of this new position. T2.17: Updated Thurston County's telework policy Olympia T2.17: Continued to strongly encourage employees who are able to telework full time. Continued to support flex work for employees who cannot telework. Tumwater T2.17: Same as previous quarters. Tumwater has continued to operate with City Hall open to the public only part time and many employees are able to continue to telecommute or work a flexible schedule. T2.17: Same as the last two quarters	
	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)	Not started	Olympia T2.17: Many Olympia staff have continued to telework throughout the first half of 2021. An employee working group is currently in the process of developing recommendations for return to in-person work, including long-term telework and flexwork guidance.			
	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	In progress	Tumwater T2.17: Tumwater has continued to operate with City Hall open to the public only part time and many employees are able to continue to telecommute or work a flexible schedule.			
	T5.13	telecommuting infrastructure	Develop grants and provide financial resources for installation of infrastructure necessary to support telecommuting.	Regionally coordinated	In progress				
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	In progress	Regional TRPC is developing an assessment of the region's EV charging network as part of its State of the System. Thurston County: T3.1: Completed T3.2: Not applicable to County	Regional T3.7: TRPC completed an assessment of the region's EV charging network as part of its State of the System: https://www.trpc.org/1082/Electric-Vehicles Lacey T3.1: Revising city parking regulations for EV charging requirements	Thurston County T3.7: Newly approved .5FTE Associate Planner position may include focus on the following action items. Lacey Budget adoption included an electric vehicle as a test bed for future fleet conversion	
	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	Not started				

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	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	Not started	Lacey T3.1 Final planning for 12 new EV chargers in public spaces Tumwater T3.10: While this isn't zero emission, the City has started trying to order and use renewable diesel instead of regular diesel, which produces less emissions than standard diesel. We have received one order of renewable diesel so far.	LCM 16.72, and parking minimums for multi-family development LMC 16.72. Tumwater T3.2 All cars can park for free at City of Tumwater buildings and facilities T.3.10: All Tumwater departments are also required to look at electric vehicle options when purchasing a new vehicle and must present, in writing, the reasons that an electric vehicle would not work for their need to the City Administrator if they choose to purchase a non-electric vehicle.	Tumwater T3.10: The City's internal sustainability group, the Green Team, is working to implement an anti-idling policy for City vehicles in non-emergency situations. Tumwater	
	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	In progress				
	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	In progress				
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)	Existing/Ongoing	Regional T4.4: Both Intercity Transit and Rural Transit are operated fareless. Olympia T4.1: Olympia adopted parking reductions for residential uses when within one quarter mile of transit with certain levels of frequency (new state law, see RCW 36.70A.620). These parking reductions should encourage more transit ridership.	No partner activities reported during this period.	Regional T4.15: CTR Program. TRPC conducted a survey of Commute Trip Reduction work sites - results should be available in late January 2022. https://www.trpc.org/289/Thurston-Commutes-CTR Olympia T4.1 - Olympia was awarded two grants from the WA State Department of Commerce, as noted above. One is a Transit Oriented Development Implementation (TODI) grant that facilitates transit-oriented development within Olympia's 272-acre Capital Mall Triangle subarea. The second is a Housing Action Plan Implementation (HAPI) Grant to reduce parking requirements for residential uses, including for multifamily developments near frequent transit routes. This grant will also fund work to increase flexibility and predictability in the permit process. This step involves regulatory streamlining. Work under these grants will occur in 2022 and the first half of 2023.	
	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	Not started				
	T4.4	fareless system	Maintain a fareless system for public transit.	Supporting partner (IT)	Existing/Ongoing				
	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	Existing/Ongoing				
	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	Existing/Ongoing				
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	Not started	Regional T5.2: Sidewalk gaps have been identified through State of the System project: https://www.trpc.org/1048/Sidewalks Olympia T5.4 Olympia Safe Kids partnership along with the Walk and Roll program run by Intercity Transit have worked together to provide yard signs to raise awareness that kids walk and bike in the area. They also have been working to address individual school access safety issues. T5.11 Olympia adopted the first ever Transportation Master Plan in February 2021. The plan defines improvements to our streets that will help people walk, bike and use transit. Olympia's new Transportation Concurrence program is now based on "person trips" rather than vehicle trips. Now transportation impact fees can be used on improvements for bicyclists, pedestrians, and transit riders. Lacey T5.1 Applied for Complete Streets grant, Specific projects TBD.	Regional T5.2 and T5.4: School Walk Route Mapping. TRPC is working with North Thurston, Olympia, and Tumwater school districts to develop up to 28 walking route maps for elementary and middle schools	Thurston County T5.11: Newly approved .SFTE Associate Planner position may include focus on this action item. Regional T5.2 and T5.4: School Walk Route Mapping. TRPC completed School Walking Route maps for the North Thurston School District and draft maps for the Olympia School District. Olympia T2.2, T5: Received a \$2M grant from the Transportation Improvement Board, which fully funded the Fones Road project. This project will improve crosswalks, including at the Woodland Trail, add bicycle and pedestrian facilities, and add a roundabout. We will also add landscaping and pedestrian-scale lighting. This will include the region's first separated bike lanes. T2-2, T5: Continued design of 2022's capital projects, which include pavement markings to improve bike safety on State Ave, an intersection improvement at State Avenue and East Bay, and a bike/ped crossing improvement on Boulevard Road at the I-5 Trail. T5: Pursued a Complete Streets grant from the Transportation Improvement Board.	Construction on Fones Road is estimated to begin in early 2024.
	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	Not started				
	T5.4	school drop-off alternative modes	Maintain and expand a walking/biking incentive program with safety education for families.	Supporting partner (IT)	Existing/Ongoing				
	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	In progress				
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	Existing/Ongoing	No partner activities reported during this period.	No partner activities reported during this period.	No partner activities reported during this period.	
	W2.2	water audits	Conduct water audits of city and county facilities to determine prioritization of capital improvements.	Individual jurisdictions	Existing/Ongoing				
W3. Reduce emissions from wastewater treatment operations.									

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	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)	Needs action	No partner activities reported during this period.	No partner activities reported during this period.	No partner activities reported during this period.	W3.1 - LOTT report (W. Steffensen, 10/13/2020): LOTT staff researched the literature on this subject and interviewed King County staff, since King County was known to be working on reducing its greenhouse gas emissions. LOTT's conclusion is that it is premature to put any nitrous oxide (N2O) capture planning or technology into action at this time. The technology for measuring and capturing N2O is still in its very early stages. Measuring of N2O is a relatively new technology that is subject to significant error. There are two common methods that are used; the first involves a small floating flux chamber which collects off-gas, and the second involves sampling the air above the bioreactor when it is enclosed. King County is currently working to employ both of these methods at its treatment plants. It has been a trial and error process for them and they are not yet at a place to accurately measure nitrous oxide emissions. After King County has made some headway in understanding how to apply these methods, LOTT may be able to learn from their experience and also work to measure N2O. The collection and/or conversion of N2O is a nascent technology. The literature provides some lab scale examples, but LOTT staff have not found any examples of collection or conversion on a practical level.
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	Not started	Thurston County W4.4: In Progress	No partner activities reported during this period.	No partner activities reported during this period.	
	W4.10	waste less food program	Expand Thurston County's "Waste Less Food" program.	Regionally coordinated	Existing/Ongoing	W4.10: In Progress			
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)	Not started	No partner activities reported during this period.	No partner activities reported during this period.	No partner activities reported during this period.	
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)	Existing/Ongoing	Regional A2.1: The Steering Committee approved TRPC developing a carbon sequestration white paper outlining policy options for these actions.	No partner activities reported during this period.	No partner activities reported during this period.	
	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)	Existing/Ongoing				
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	In progress	Regional A5.1, A7.3: The Steering Committee approved TRPC developing a carbon sequestration white paper outlining policy options for these actions.	Tumwater A7.3: The City is continuing to meet on a monthly basis and sometimes more with USFWS to complete the City's Habitat Conservation Plan.	Tumwater A7.3: The City is continuing to meet on a monthly basis and sometimes more with USFWS to complete the City's Habitat Conservation Plan.	
	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	In progress				
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	In progress	Thurston County A6.5: In Progress Lacey A6.5, A6.9: Urban Forest Management Plan outreach and community engagement during month of April	Lacey A6.5, A6.9: Adopted Urban Forest Management Plan, Continued community outreach during the month of August "Arbor Month" with a proclamation, social media campaign, website, and Tree Bingo. Tumwater A6.5, A6.9: After the City Council adopted the Urban Forestry Management Plan in early 2021 and tree canopy coverage goals for the entire City. The Tree Board, Planning Commission, and staff having been working on implementation of the plan's action.	Thurston County A6.5, A6.9: Thurston County New staff position in long-range planning to work on forest conversion ordinance and urban tree standards. Tumwater A6.5, A6.9: After the City Council adopted the Urban Forestry Management Plan in early 2021 and tree canopy coverage goals for the entire City. The Tree Board, Planning Commission, and staff having been working on implementation of the plan's actions.	
	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	In progress				
Cross-cutting									

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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	Not started	No partner activities reported during this period.	No partner activities reported during this period.	No partner activities reported during this period.	G1.7: WSU is currently doing a survey aimed at increasing the use and success of behavior change campaigns, mainly focused on stormwater and water quality work, but the lessons learned could be used for a wide variety of campaigns. Professor Joe Cook in the WSU School of Economics is leading this effort, joe.cook@wsu.edu
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	Existing/Ongoing	Regional G4.1, G4.2, G4.3, G4.4: The Steering Committee reviewed options for ongoing monitoring and assessment as part of discussions for the Long term governance agreement.	Tumwater G4.1: Tumwater completed our 2020 Sustainability Report which calculates the City's current practices related to climate, energy, water, transportation, and solid waste. The report will be reviewed by all division managers and will be presented to the Tumwater Public Works Committee on December 9th.	Regional G4.3: Staff and the Steering Committee reviewed options for developing an estimate of consumption-based emissions for Thurston County. G4.4: TRPC developed a "Racial Equity" data section of The Profile, with information on racial demographics and disparities in Thurston County: https://www.trpc.org/1069/Racial-Equity Tumwater G4.1: Tumwater completed our 2020 Sustainability Report which calculates the City's current practices related to climate, energy, water, transportation, and solid waste. The report was reviewed by all division managers and was presented to the Tumwater Public Works Committee on December 9th.	
	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	In progress				
	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	In progress				
	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	In progress				
	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	Not started				
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	In progress	Regional G5.5: The Steering Committee received regular updates on climate legislation at meetings.	Regional G5.5: The Steering Committee received regular updates on climate legislation at meetings.	Regional G5.5: The Steering Committee discussed priorities for a 2022 legislative agenda.	
	G5.2	solar-ready building code	Add as a high priority to municipality's legislative agenda - State-level amendments to State building code requiring solar-ready construction. Work with other cities to add this to the Association of Washington Cities (AWC) priorities.	Legislative agenda	In progress				

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