Appendix 10.3. Communitywide Actions List

Thurston Climate Mitigation Plan Climate Actions Menu

As of: **7/2/2020**

	KEY
В	Buildings & Energy actions
T	Transportation & Land Use actions
W	Water & Waste actions
А	Agriculture & Forests actions
G	Cross-cutting actions
Action ID#	Unique identifier for each strategy and action
short name	1-3 word description of action
description	1-2 sentences describing action - see box for example of a well-defined
	action description. Additional details beyond 1-2 sentences can be
	included in "other notes"
source	person/entity that suggested or plan that provided the action
date added	The date that the action was added to the menu
implementor	agency or organization that could lead the action
potential partner	agency or organization that could participate in implementing the action
target stakeholders	groups affected by the action
opportunities	existing programs, partnerships, funding sources, legislation, regulations,
	or other resources that exist to support the action
barriers	potential obstacles to implementing the action, such as regulation, lack
	of expertise, lack of will, knowledge gaps, etc. Cost will be considered at a
	later step in the process, and should not be listed as a barrier at this
	stage.

This list of strategies and actions was developed by Thurston Regional Planning Council and Cascadia Consulting Group, with input from the Sector Focus Groups and Climate Advisory Workgroup of the Thurston Climate Mitigation Plan.

Example of a well-defined climate action

T1.1 urban infill

(source: Adaptation Plan action G-12)

clear policy mechanism

who will actually do the work

Increase local government incentives (e.g., tax credits and fee waivers) to make urban infill and redevelopment projects more viable financially.

> what's affected

B Focus Area: BUILDINGS & ENERGY

Strategies:

- 3.1: Reduce energy use in residential buildings.
- 2: Reduce energy use in existing commercial/industrial buildings
- B.3: Reduce energy use across building types
- B 1: Paduca anargy use in new or redevalonment
- B.5: Increase the production of local renewable energy
- B.6: Convert to cleaner fuel sources
- B.7: Address building and energy goals across sectors.

Action ID#	short name	description	source	date added	implementor	potential partners	target stakeholders	opportunities	barriers
B.1: Reduce en	ergy 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.	Cascadia Consulting	Aug. '19	State and Local government	Realtors	realtors; home owners; low- income; rural communities	Emphasize benefits like higher resale value and lower maintence costs for property owners/ landlords.	
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.	Adaptation Plan	Jan '19	State and Local government	remodeling professionals, PSE, energy auditors, real estate professionals	realtors; home owners; low- income; rural communities	Review similar policy applied in Berkeley, CA and Portland, OR A potential model for Thurston County: The nonprofit Enhabit (enhabit.org), which grew out of a City effort, works with homeowners and partners to score home energy efficiency and advise on upgrades.	What is the percentage turnover of residential homes in the region annually? People who are already interested in this program are participating. What education and outreach? Short-term home owners are harder to convince to make investments in property.
B1.3	residential energy retrofit program	Partner with energy audit providers and loan providers to establish and market residential energy efficiency and weatherization retrofit programs, with a focus on low-income residents, low-interest loans, and post audit follow-through.	Cascadia Consulting	Aug. '19	Non-profit	energy auditors	Realtors; home owners; renewable energy companies; small business; lenders	Review/bring back Thurston Energy - a program that was once run by the Economic Development Council (EDC) providing free or subsidized energy efficiency audits and offering free or subsidized retrofits	
B1.4	rental housing EE incentives	Provide property tax breaks for landlords who install energy conservation measures in rental housing.	Cascadia Consulting/B Focus Group #1	Aug. '19	Local/state government	Landlords, property managers, renters	Realtors; landlords, property managers, renters		
B1.5	property tax credit	Create a property tax credit for property owners who participate in energy efficiency.	B Focus Group #1	Sep-19	Local/state government				
B1.6	rental housing EE baseline	Pass an ordinance to require rental units to meet baseline levels of energy efficiency and make more stringent over time.	Cascadia Consulting	Aug. '19	Local government	Landlords, property managers, renters	low-income communities; landlords, property managers, renters		PSE: Washington recently implemented a new building code and we now have one of the most progressive in the country. I'm concerned that, anything that increases the cost of housing amidst a housing crisis is going to be both counterproductive and nearly impossible to implement.
B1.7	residential utility outreach	Expand utility outreach to residential electricity customers about the benefits of clean and efficient energy technologies/practices and available rebates and bill credits for efficient appliances and equipment. Focus on neighborhoods with older buildings and create group packages for efficiency upgrades, if possible.	Adaptation Plan	Jan '19	PSE	Local government, equipment vendors, remodeling contractors, non profits	residents	Community action campaign	How do we get people to participate in programs/ offers that already exist?
B1.8	landlord education		B Focus Group #1	Sep-19	Local government	nonprofit, property management companies			
B.2: Reduce en	ergy use in existing commercial/industrial buildi	ings.				100			
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.	Cascadia Consulting	Aug. '19	state and Local government		realtors (commercial)		
B2.2	commercial energy audits	Develop and adopt policies that require commercial properties to undertake an energy audit at the time of sale or during a substantial remodel.	Adaptation Plan	Jan '19	State and Local government		construction companies/ contractors; realtors (commercial)	Review similar policy applied in Berkeley, CA	
B2.3	LED lighting	Install LED lighting in public-sector buildings and infrastructure (e.g., street lights, traffic signals).	TRPC	Note 1	Local government				
B2.4	commercial lights-out	Introduce a "lights-out" policy that encourages businesses to turn off their signs and other lights at night when they are closed.	Lacey CR2 plan	Jan '19	Local government				
B2.5	commercial utility outreach	Expand utility outreach to commercial power customers about the benefits of clean and efficient energy technologies and practices.	Adaptation Plan	Jan '19	PSE			Incentives and penalties associated with House Bill 12587 (2019 Session) - \$1/square foot penalty after 2026 when requirement kicks in	If EE and conservation are successful, utilities operators business model affected. Need to plan for potential obsolescence of utility companies and implications
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.	Adaptation Plan	Jan '19	Local government			See Denver, CO program: https://www.denvergov.org/content/denvergov/en/denver-development- services/commercial-projects/green-roof-initiative.html Incentives and penalities associated with House Bill 12587 (2019 Session) - \$1/square foot penalty after 2026 when requirement kicks in.	
B2.7	commercial utility rebates	Offer additional utility rebates or bill credits to encourage businesses to buy and install energy-efficient appliances and equipment.	Adaptation Plan	Jan '19	PSE			Incentives and penalities associated with House Bill 12587 (2019 Session) - \$1/square foot penalty after 2026 when requirement kicks in	Upfront investment needed, no cash to follow through with offers.
B2.8	performance standard	Set energy efficiency performance standards for commercial buildings with gross floor areas smaller than 50,000 square feet.	B Focus Group #1	Sep-19	Local government		construction companies/ contractors; realtors (commercial)		Could this be done on a local level, or would it need to be done through State Building Code Council? PSE: Washington recently implemented a new building code and we now have one of the most progressive in the country. I'm concerned that, anything that increases the cost of housing amidst a housing crisis is going to be both counterproductive and nearly impossible to implement.
B2.9	municipal building retrofits	Continue to identify and implement priority energy efficiency improvements in municipal buildings.	CAW	Oct-19	Local government				
B2.10	energy project grants		CAW	Oct-19	Commercial property owners				
B.3: Reduce en	ergy use across building types.						•		
B3.1	energy education	professionals, building owners and managers on all aspects of energy	CAW	Oct-19	Local government	Nonprofits, colleges			
		efficient building design, retrofits, and operations for new and existing buildings.							

2 of 12

December 2020 December 2020

B3.2	efficiency rebate	Adopt "energy efficiency as a service" utility rebate model to direct energy savings to building owners who bear the costs of energy efficiency retrofits.	CAW	Oct-19	UTC, PSE				
B3.3	PACE	Assess whether PACE is still desirable and, if so, how local and state policymakers could pursue a legislative solution or state constitutional	TRPC-ST Plan	Jan '19	State government				
B3.4	exemplary buildings	amendment to develop a PACE program. Create a Zero-Energy Building Challenge by partnering with public, private, non-profit and faith-based organizations. Facilitate rapid deployment and public awareness of high-profile demonstration buildings.	CAW	Oct-19	Local government	Public and private organizations			
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.	CAW	Oct-19	TRPC				
R A: Paduca a	nergy use in new or redevelopment.	The state of the s				<u>'</u>	<u>'</u>		
D.4. Reduce e	<u> </u>	Adopt the International Court County stine Code (I-CC)	TDDC	Nata 4	Chata annual and	land accommode building and	<u> </u>		
B4.1	green construction code	Adopt the International Green Construction Code (IgCC).	TRPC	Note 1	State government	local government, building code inspectors, OMB			
B4.2	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.	Adaptation Plan	Jan '19	TRPC			Mandate energy efficent performance standards at point of sale (carrot & stick) Develop ways to regulate and require implementation then reward and incentivize participation	Adapatation of the existing building code, motivations for participants? Landlords- split incentives between owner and renter? New buildings are not reflecting these goals/ outcomes. E.g. no solar, no energy efficency shift.
B4.3	commercial EE recognition	Create program that recognizes energy efficiency leadership in new construction.	B Focus Group #1	Sep-19	Local government		construction companies/	Brussels, Belgium exemplary building program/initiative	
B4.4	green municipal buildings	Require that new local government facilities (e.g., the new Olympia City Hall and LOTT building) demonstrate green building technologies and practices.	TRPC	Jan '19	Local government		construction companies/ contractors	provide education though city and state implementation, and lead by example. The proposed new Thurston County courthouse is a good opportunity. Making the proposed facility a living laboratory would be consistent with TC Resolution 14395, passed in 2010.	
B4.5	grid-connected appliances	Require smart appliances in new construction, especially water heaters that	TRPC	Jan '19	Local government			Review existing programs in Seattle and Shoreline	Need to differentiate between strategies for residential and strategies for
B4.6	multifamily submetering		B Focus Group #1	Sep-19	Local government			Could operate similar to Open Space tax program	commerical.
07.0	multifamily energy measures	energy use. Develop and advertise a business case financial model for multi-family	CAW	Oct-19	Local government		contractors construction companies/	See Shift Zero Policy Toolkit	
B4.7		developers to take energy efficiency and renewable energy measures.					contractors		
B4.9	permit counter technical assistance	Hire or contract with dedicated green building specialists to provide technical assistance through the permitting and development process.	Rich Hoey		Local government		contractors; realtors	Review existing program in Tacoma	
B4.11	grid-connected appliances	Require smart appliances in new construction, especially water heaters that control timing of demand.	B Focus Group #1	Sep-19	Local government		construction companies/ contractors; realtors		
B4.12	multifamily submetering	Require submetering for new multifamily buildings so residents can track energy use.	B Focus Group #1	Sep-19	Local government		construction companies/ contractors		
B4.13	multifamily energy measures	0,	CAW	Oct-19	Local government		construction companies/ contractors		
B4.14	state building code	Advocate for stricter energy efficiency requirements in state building code.	CAW	Oct-19	Local government		construction companies/ contractors		
B.5: Increase	the production of local renewable energy.						contractors		
B5.1	clean energy bonds/levy	Sell municipal bonds or create a local tax levy for local clean energy		Note 1	December 2011	<u> </u>		www.cleanenergyfinance.org; See Portland Clean Energy Fund	
B5.1		Sell municipal bonds of create a local tax levy for local cream energy			Local government			www.cicaricingyrrianicc.org, Sec i ordana cicari Energy i ana	
	feed-in tariffs	projects.						www.ccancine.gymance.org, see i ordana dean Energy i and	
B5.3	feed-in tariffs municipal building solar		Cascadia Consulting	Jan '19	State Local government			Olympia's McAllister well site could be a location to consider	
		projects. Offer feed-in tariffs to incentivize solar projects. Install solar photovoltaics on all available and feasible municipal sites, including building rooftops, city hall, schools, police and fire stations,	Cascadia Consulting Thurston Thrives/B Focus Group #1	Jan '19 Aug '19	State	PSE		Olympia's McAllister well site could be a location to consider Program currently exists through PSE - is there a way to expand it or increase	
B5.3	municipal building solar	projects. Offer feed-in tariffs to incentivize solar projects. 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.		Jan '19 Aug '19	State Local government	PSE Olympia Community Solar		Olympia's McAllister well site could be a location to consider	
B5.3 B5.4	municipal building solar net metering production incentive	projects. Offer feed-in tariffs to incentivize solar projects. 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. Increase incentive ratio for connecting residential solar from 1:1 to 2:1.	Thurston Thrives/B Focus Group #1	Jan '19 Aug '19 Jan '19	State Local government State, UTC		renewable energy companies renewable energy companies	Olympia's McAllister well site could be a location to consider Program currently exists through PSE - is there a way to expand it or increase	Need-opportunity conundrum > Highest need for energy comes when there is no solar available, and wind is typically low at night = highest period of need. Must make incentives related to the value of the property and cost of upgrades.
B5.3 B5.4 B5.5	municipal building solar net metering production incentive solSmart	projects. Offer feed-in tariffs to incentivize solar projects. 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. Increase incentive ratio for connecting residential solar from 1:1 to 2:1. Pursue SolSmart designations and adopt solar friendly practices. Promote Thurston County as a location to build more utility-scale renewable energy projects such as solar and wind farms. Support locally	Thurston Thrives/B Focus Group #1	Jan '19 Aug '19 Jan '19 Aug '19 Jan '19	State Local government State, UTC Local government	Olympia Community Solar	renewable energy companies renewable energy companies	Olympia's McAllister well site could be a location to consider Program currently exists through PSE - is there a way to expand it or increase incentives? Community energy authority/ community agragate modeling? This provides momentum and reduces costs through bulk procurement. Community action	no solar available, and wind is typically low at night = highest period of need.
B5.3 B5.4 B5.5 B5.6	net metering production incentive solSmart utility-scale renewables	projects. Offer feed-in tariffs to incentivize solar projects. 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. Increase incentive ratio for connecting residential solar from 1:1 to 2:1. Pursue SolSmart designations and adopt solar friendly practices. Promote Thurston County as a location to build more utility-scale renewable energy projects such as solar and wind farms. Support locally owned/operated renewable energy companies. Expand and retrofit the region's energy distribution, monitoring, and storage infrastructure to support more on-site renewable energy	Thurston Thrives/B Focus Group #1 Rich Hoey Adaptation Plan Adaptation Plan	Jan '19 Aug '19 Jan '19 Aug '19 Jan '19	State Local government State, UTC Local government Local government	Olympia Community Solar	renewable energy companies renewable energy companies renewable energy companies	Olympia's McAllister well site could be a location to consider Program currently exists through PSE - is there a way to expand it or increase incentives? Community energy authority/ community agragate modeling? This provides momentum and reduces costs through bulk procurement. Community action	no solar available, and wind is typically low at night = highest period of need.
B5.3 B5.4 B5.5 B5.6	net metering production incentive solSmart utility-scale renewables electric infrastructure for renewables	projects. Offer feed-in tariffs to incentivize solar projects. 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. Increase incentive ratio for connecting residential solar from 1:1 to 2:1. Pursue SolSmart designations and adopt solar friendly practices. Promote Thurston County as a location to build more utility-scale renewable energy projects such as solar and wind farms. Support locally owned/operated renewable energy companies. Expand and retrofit the region's energy distribution, monitoring, and storage infrastructure to support more on-site renewable energy generation. Amend local development code to require solar-ready construction for all building types. Provide additional utility incentives such as on-bill financing to support energy efficiency and renewable energy investments on buildings.	Thurston Thrives/B Focus Group #1 Rich Hoey Adaptation Plan Adaptation Plan B Focus Group #1 Adaptation Plan	Jan '19 Aug '19 Jan '19	State Local government State, UTC Local government Local government PSE; UTC?	Olympia Community Solar Chamber of Commerce, EDC	renewable energy companies renewable energy companies renewable energy companies renewable energy companies; construction companies/	Olympia's McAllister well site could be a location to consider Program currently exists through PSE - is there a way to expand it or increase incentives? Community energy authority/ community agragate modeling? This provides momentum and reduces costs through bulk procurement. Community action plan. PSE - There IS a requirment to move towards EE standards	no solar available, and wind is typically low at night = highest period of need.
B5.3 B5.4 B5.5 B5.6 B5.7	net metering production incentive solSmart utility-scale renewables electric infrastructure for renewables solar-ready	projects. Offer feed-in tariffs to incentivize solar projects. 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. Increase incentive ratio for connecting residential solar from 1:1 to 2:1. Pursue SolSmart designations and adopt solar friendly practices. Promote Thurston County as a location to build more utility-scale renewable energy projects such as solar and wind farms. Support locally owned/operated renewable energy companies. Expand and retrofit the region's energy distribution, monitoring, and storage infrastructure to support more on-site renewable energy generation. Amend local development code to require solar-ready construction for all building types. Provide additional utility incentives such as on-bill financing to support energy efficiency and renewable energy investments on buildings. Develop/support a city-sponsored group solar purchasing program.	Thurston Thrives/B Focus Group #1 Rich Hoey Adaptation Plan Adaptation Plan B Focus Group #1 Adaptation Plan CAW	Jan '19 Aug '19 Jan '19 Jan '19 Jan '19 Jan '19 Jan '19 Jan '19 Oct-19	State Local government State, UTC Local government Local government Local government PSE; UTC? Local government Local government Local government	Olympia Community Solar	renewable energy companies renewable energy companies renewable energy companies renewable energy companies; construction companies/ contractors	Olympia's McAllister well site could be a location to consider Program currently exists through PSE - is there a way to expand it or increase incentives? Community energy authority/ community agragate modeling? This provides momentum and reduces costs through bulk procurement. Community action plan. PSE - There IS a requirment to move towards EE standards See City of Lacey's adopted code.	no solar available, and wind is typically low at night = highest period of need. Must make incentives related to the value of the property and cost of upgrades. Cart before the horse- people are excited about incentives but infrstructure is not workable. Need to fix existing problems before incentives of energy use
B5.3 B5.4 B5.5 B5.6 B5.7 B5.8	net metering production incentive solSmart utility-scale renewables electric infrastructure for renewables solar-ready on-bill financing group purchasing solar zoning	projects. Offer feed-in tariffs to incentivize solar projects. 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. Increase incentive ratio for connecting residential solar from 1:1 to 2:1. Pursue SolSmart designations and adopt solar friendly practices. Promote Thurston County as a location to build more utility-scale renewable energy projects such as solar and wind farms. Support locally owned/operated renewable energy companies. Expand and retrofit the region's energy distribution, monitoring, and storage infrastructure to support more on-site renewable energy generation. Amend local development code to require solar-ready construction for all building types. Provide additional utility incentives such as on-bill financing to support energy efficiency and renewable energy investments on buildings. Develop/support a city-sponsored group solar purchasing program. Review and amend zoning and development regulations where necessary to allow utility or community solar generation facilities less than 20 megawatts.	Thurston Thrives/B Focus Group #1 Rich Hoey Adaptation Plan Adaptation Plan B Focus Group #1 Adaptation Plan CAW CAW	Jan '19 Aug '19 Jan '19 Jan '19 Jan '19 Jan '19 Jan '19 Oct-19 Oct-19	State Local government State, UTC Local government Local government PSE; UTC? Local government Local government Local government Local government Local government, community solar company Local government	Olympia Community Solar Chamber of Commerce, EDC SPARK NW, Olympia Community Solar	renewable energy companies renewable energy companies renewable energy companies renewable energy companies; construction companies/ contractors renewable energy companies renewable energy companies	Olympia's McAllister well site could be a location to consider Program currently exists through PSE - is there a way to expand it or increase incentives? Community energy authority/ community agragate modeling? This provides momentum and reduces costs through bulk procurement. Community action plan. PSE - There IS a requirment to move towards EE standards See City of Lacey's adopted code. Brussels, Belgium exemplary building program/initiative	no solar available, and wind is typically low at night = highest period of need. Must make incentives related to the value of the property and cost of upgrades. Cart before the horse- people are excited about incentives but infrstructure is not workable. Need to fix existing problems before incentives of energy use
B5.3 B5.4 B5.5 B5.6 B5.7 B5.8 B5.9	net metering production incentive solSmart utility-scale renewables electric infrastructure for renewables solar-ready on-bill financing group purchasing solar zoning neighborhood grants	projects. Offer feed-in tariffs to incentivize solar projects. 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. Increase incentive ratio for connecting residential solar from 1:1 to 2:1. Pursue SolSmart designations and adopt solar friendly practices. Promote Thurston County as a location to build more utility-scale renewable energy projects such as solar and wind farms. Support locally owned/operated renewable energy companies. Expand and retrofit the region's energy distribution, monitoring, and storage infrastructure to support more on-site renewable energy generation. Amend local development code to require solar-ready construction for all building types. Provide additional utility incentives such as on-bill financing to support energy efficiency and renewable energy investments on buildings. Develop/support a city-sponsored group solar purchasing program. Review and amend zoning and development regulations where necessary to allow utility or community solar generation facilities less than 20 megawatts. Fund the creation of low barrier grant opportunities for neighborhood clean energy and energy efficiency projects.	Thurston Thrives/B Focus Group #1 Rich Hoey Adaptation Plan Adaptation Plan B Focus Group #1 Adaptation Plan CAW CAW	Jan '19 Aug '19 Jan '19 Jan '19 Jan '19 Jan '19 Jan '19 Oct-19 Oct-19 Oct-19	State Local government State, UTC Local government Local government PSE; UTC? Local government Local government Local government Local government, community solar company Local government Local government	Olympia Community Solar Chamber of Commerce, EDC	renewable energy companies renewable energy companies renewable energy companies renewable energy companies; construction companies/ contractors renewable energy companies renewable energy companies renewable energy companies	Olympia's McAllister well site could be a location to consider Program currently exists through PSE - is there a way to expand it or increase incentives? Community energy authority/ community agragate modeling? This provides momentum and reduces costs through bulk procurement. Community action plan. PSE - There IS a requirment to move towards EE standards See City of Lacey's adopted code. Brussels, Belgium exemplary building program/initiative provide education though city and state implementation, and lead by example. The proposed new Thurston County courthouse is a good opportunity. Making the proposed facility a living laboratory would be consistent with TC Resolution 14395, passed in 2010.	no solar available, and wind is typically low at night = highest period of need. Must make incentives related to the value of the property and cost of upgrades. Cart before the horse- people are excited about incentives but infrstructure is not workable. Need to fix existing problems before incentives of energy use reduction can be implemented.
B5.3 B5.4 B5.5 B5.6 B5.7 B5.8 B5.9 B5.10	net metering production incentive solSmart utility-scale renewables electric infrastructure for renewables solar-ready on-bill financing group purchasing solar zoning	projects. Offer feed-in tariffs to incentivize solar projects. 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. Increase incentive ratio for connecting residential solar from 1:1 to 2:1. Pursue SolSmart designations and adopt solar friendly practices. Promote Thurston County as a location to build more utility-scale renewable energy projects such as solar and wind farms. Support locally owned/operated renewable energy companies. Expand and retrofit the region's energy distribution, monitoring, and storage infrastructure to support more on-site renewable energy generation. Amend local development code to require solar-ready construction for all building types. Provide additional utility incentives such as on-bill financing to support energy efficiency and renewable energy investments on buildings. Develop/support a city-sponsored group solar purchasing program. Review and amend zoning and development regulations where necessary to allow utility or community solar generation facilities less than 20 megawatts. Fund the creation of low barrier grant opportunities for neighborhood clean energy and energy efficiency projects.	Thurston Thrives/B Focus Group #1 Rich Hoey Adaptation Plan Adaptation Plan B Focus Group #1 Adaptation Plan CAW CAW	Jan '19 Aug '19 Jan '19 Jan '19 Jan '19 Jan '19 Jan '19 Oct-19 Oct-19 Oct-19	State Local government State, UTC Local government Local government PSE; UTC? Local government Local government Local government Local government Local government, community solar company Local government	Olympia Community Solar Chamber of Commerce, EDC SPARK NW, Olympia Community Solar	renewable energy companies renewable energy companies renewable energy companies renewable energy companies; construction companies/ contractors renewable energy companies renewable energy companies renewable energy companies	Olympia's McAllister well site could be a location to consider Program currently exists through PSE - is there a way to expand it or increase incentives? Community energy authority/ community agragate modeling? This provides momentum and reduces costs through bulk procurement. Community action plan. PSE - There IS a requirment to move towards EE standards See City of Lacey's adopted code. Brussels, Belgium exemplary building program/initiative provide education though city and state implementation, and lead by example. The proposed new Thurston County courthouse is a good opportunity. Making the proposed facility a living laboratory would be consistent with TC	no solar available, and wind is typically low at night = highest period of need. Must make incentives related to the value of the property and cost of upgrades. Cart before the horse- people are excited about incentives but infrstructure is not workable. Need to fix existing problems before incentives of energy use
B5.3 B5.4 B5.5 B5.6 B5.7 B5.8 B5.9 B5.10 B5.11 B5.12	net metering production incentive solSmart utility-scale renewables electric infrastructure for renewables solar-ready on-bill financing group purchasing solar zoning neighborhood grants	projects. Offer feed-in tariffs to incentivize solar projects. 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. Increase incentive ratio for connecting residential solar from 1:1 to 2:1. Pursue SolSmart designations and adopt solar friendly practices. Promote Thurston County as a location to build more utility-scale renewable energy projects such as solar and wind farms. Support locally owned/operated renewable energy companies. Expand and retrofit the region's energy distribution, monitoring, and storage infrastructure to support more on-site renewable energy generation. Amend local development code to require solar-ready construction for all building types. Provide additional utility incentives such as on-bill financing to support energy efficiency and renewable energy investments on buildings. Develop/support a city-sponsored group solar purchasing program. Review and amend zoning and development regulations where necessary to allow utility or community solar generation facilities less than 20 megawatts. Fund the creation of low barrier grant opportunities for neighborhood clean energy and energy efficiency projects.	Thurston Thrives/B Focus Group #1 Rich Hoey Adaptation Plan Adaptation Plan B Focus Group #1 Adaptation Plan CAW CAW	Jan '19 Aug '19 Jan '19 Jan '19 Jan '19 Jan '19 Jan '19 Oct-19 Oct-19 Oct-19	State Local government State, UTC Local government Local government PSE; UTC? Local government Local government Local government Local government, community solar company Local government Local government	Olympia Community Solar Chamber of Commerce, EDC SPARK NW, Olympia Community Solar	renewable energy companies renewable energy companies renewable energy companies renewable energy companies; construction companies/ contractors renewable energy companies renewable energy companies renewable energy companies	Olympia's McAllister well site could be a location to consider Program currently exists through PSE - is there a way to expand it or increase incentives? Community energy authority/ community agragate modeling? This provides momentum and reduces costs through bulk procurement. Community action plan. PSE - There IS a requirment to move towards EE standards See City of Lacey's adopted code. Brussels, Belgium exemplary building program/initiative provide education though city and state implementation, and lead by example. The proposed new Thurston County courthouse is a good opportunity. Making the proposed facility a living laboratory would be consistent with TC Resolution 14395, passed in 2010.	no solar available, and wind is typically low at night = highest period of need. Must make incentives related to the value of the property and cost of upgrades. Cart before the horse- people are excited about incentives but infrstructure is not workable. Need to fix existing problems before incentives of energy use reduction can be implemented. Need to differentiate between strategies for residential and strategies for
B5.3 B5.4 B5.5 B5.6 B5.7 B5.8 B5.9 B5.10 B5.11 B5.12	net metering production incentive solSmart utility-scale renewables electric infrastructure for renewables solar-ready on-bill financing group purchasing solar zoning neighborhood grants shore power	projects. Offer feed-in tariffs to incentivize solar projects. 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. Increase incentive ratio for connecting residential solar from 1:1 to 2:1. Pursue SolSmart designations and adopt solar friendly practices. Promote Thurston County as a location to build more utility-scale renewable energy projects such as solar and wind farms. Support locally owned/operated renewable energy companies. Expand and retrofit the region's energy distribution, monitoring, and storage infrastructure to support more on-site renewable energy generation. Amend local development code to require solar-ready construction for all building types. Provide additional utility incentives such as on-bill financing to support energy efficiency and renewable energy investments on buildings. Develop/support a city-sponsored group solar purchasing program. Review and amend zoning and development regulations where necessary to allow utility or community solar generation facilities less than 20 megawatts. Fund the creation of low barrier grant opportunities for neighborhood clean energy and energy efficiency projects.	Thurston Thrives/B Focus Group #1 Rich Hoey Adaptation Plan Adaptation Plan B Focus Group #1 Adaptation Plan CAW CAW	Jan '19 Aug '19 Jan '19 Jan '19 Jan '19 Jan '19 Jan '19 Oct-19 Oct-19 Oct-19 Sep-19	State Local government State, UTC Local government Local government PSE; UTC? Local government Local government Local government Local government, community solar company Local government Local government	Olympia Community Solar Chamber of Commerce, EDC SPARK NW, Olympia Community Solar	renewable energy companies renewable energy companies renewable energy companies renewable energy companies; construction companies/ contractors renewable energy companies renewable energy companies renewable energy companies	Olympia's McAllister well site could be a location to consider Program currently exists through PSE - is there a way to expand it or increase incentives? Community energy authority/ community agragate modeling? This provides momentum and reduces costs through bulk procurement. Community action plan. PSE - There IS a requirment to move towards EE standards See City of Lacey's adopted code. Brussels, Belgium exemplary building program/initiative provide education though city and state implementation, and lead by example. The proposed new Thurston County courthouse is a good opportunity. Making the proposed facility a living laboratory would be consistent with TC Resolution 14395, passed in 2010.	no solar available, and wind is typically low at night = highest period of need. Must make incentives related to the value of the property and cost of upgrades. Cart before the horse- people are excited about incentives but infrstructure is not workable. Need to fix existing problems before incentives of energy use reduction can be implemented. Need to differentiate between strategies for residential and strategies for

B6.2	electric appliances in new construction	Update municipal code to require electric appliances in new construction.	Cascadia Consulting	Aug '19	Local government		construction companies/		
50.2							contractors;		
B6.3	heat pumps	Investigate options and costs for using geothermal heat pumps for heating and cooling.	Lacey CR2 plan	Note 1	Local government				
B6.4	natural gas ban	Ban all new natural gas connections in new buildings.	CAW	Oct-19	Local government		construction companies/ contractors		
B6.5	natural gas fee	Create a utility fee for natural gas use.	CAW	Oct-19	PSE, UTC?		low-income communities	Use to fund electrification or other programs.	
B6.6	demand pricing	Adjust fee scale to charge higher rates during high use times of day.	B Focus Group #1	Sep-19	State, UTC	PSE	low-income communities		
B6.7	utility advocacy	Add as a high priority to municipality's legislative agenda - State and Utilities and Transportation Commission in implementing SB 5116, which requires a shift to clean electricity.	CAW	Oct-19	Local government				
B6.8	Clean energy	Local government adopt and communicate policy statements and positions with the State Electeds that call for rapid conversion to clean energy in the power supply that serves Thurston County.			Local government	Solar Installers of Washington (WASEIA)			
B.7: Address b	uilding and energy goals across sectors.								
B7.1	workforce development	Create and support opportunities to link clean energy companies with vocational training facilities.	TRPC-ST Plan	Jan '19	Worksource; local governments	PacMountain (Chamber of Commerce)	renewable energy companies; workforce development		
B7.2	public power	Transition to a publicly owned power utility district.	Public Survey		PUD				Large start-up and transition costs to purchase and develop power infrastructure. Undercuts PSE's ability to meet statewide energy goals.
B7.3	climate impact fee	Evaluate and, if feasible, implement a regional climate impact fee on new development to fund regional climate mitigation projects and programs.			Local government		construction companies/ contractors		
B7.4	embodied carbon	Create incentives to increase the use of less carbon intensive building materials (mass timber, reduced concrete).	B Focus Group #1	Sep-19	Local government		construction companies/ contractors		

T Focus Area: TRANSPORTATION & LAND USE

Trocus Area: IRANSPORTATION & LAND USE

Strategies:

T1: Set land use policies that increase urban density to support efficient transportation networks.

T2: Increase efficiency of the transportation system.

T3: Increase the adoption of electric vehicles, and the infrastructure to support electric vehicles.

T4: Increase the use of public transit.

T5: Increase use of active forms of travel and more efficient commuting modes.

T6: Support regional mass transportation connections.

Action ID#	short name	description	source	date added	implementor	potential partners	target stakeholders	opportunities	barriers
T1: Set land us	e policies that increase urban density to support	t efficient transportation networks.							
T1.1	coordinated long term planning- future infill	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.			Local government/ transit agencies	TRPC	low income	`	
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. 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 that can no longer afford to live in these areas.	TRPC	Note 1	Local government		Construction companies/ contractors; low-income communities		First/ last mile
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.	Thurston Thrives	Jan '19	Local government		Construction companies/ contractors	Current pilot project in downtown Olympia: http://ecodistrict.fertileground.org	
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.	Cascadia Consulting	Aug '19	Local government		Construction companies/ contractors; rural communities; low-income communities; communities of color		
T1.6	climate-aware UGB	Amend county wide planning policies to require analysis of climate impacts, the costs to mitigate those impacts, and the costs to ensure efficient transit (e.g., public transit services) to inform future Urban Growth Area expansions and Annexations of current UGA. Then weigh those costs and impacts with opportunities and investment needed to accommodate people and business within annexed areas and approved UGAs.		Sep-19	TRPC/UGM Subcommittee	Cities, County	rural communities		
T1.9	ADUs	Amend development codes to allow for attached and detached ADU's in urban residential areas.	T Focus Group #1	Sep-19	Local government				
T1.10	Multifamily Tax Exemption (MFTE)	Expand Multifamily Tax Exemption Programs to increase residential development where services exist, and consider extending exemption timeframes.	T Focus Group #1	Sep-19	Local government		construction companies/ contractors; realtors; low-income communities; communities of color		
T1.11	land use efficiency	Set integrated goals to consider network efficiency in land use decisions, including how density in certain areas supports transit, increases efficiency of utility service, and other support facilities. Consider VMIT in identifying locations for large employment facilities.	T Focus Group #1	Sep-19	TRPC		rural communities	see comment	

T1.12	corridor-centered development	Increase residential and mixed use development along designated transit corridors with monetary incentives such as tax incentives and improved fee structures. Determine impact fees and connection charges that, if reduced or waived, would generate denser development where transit and other services already exist.	T Focus Group #1	Sep-19	Local government		construction companies/ contractors; realtors; low-income communities; rural communities	Create tax incentives	
T1.13	downtown development	Work with developers and investors to identify barriers to new investment and reinvestment projects of residential and commercial in urban centers. Then develop and implement policy changes and incentive programs in response.	T Focus Group #1	Sep-19	Local government		construction companies/ contractors; realtors		
T1.14	development VMT caps	Require caps on VMT or vehicle trips for development on Olympia's Capitol Campus and other public development near clustered government offices.	T Focus Group #1	Sep-19	State	Olympia, Tumwater, Lacey	rural communities; low-income communities; communities of color	Leverage city location	
T1.15	land use emissions	Revaluate emissions tracking data for land use to ensure accuracy and tracking changes and to inform future regulatory policy in land use.	Cascadia Consulting	Aug '19	TRPC			Review King County's approach to including in their inventory.	
T2: Increase eff	ficiency of the transportation system.								
TZ. IIICICUSC CII			TODG CT DI	1140	The section of the se				
T2.1	traffic analysis	Incorporate greenhouse gas emissions calculations into traffic impact analyses to identify land use proposals that have the potential to generate a substantial positive impact on the region.	TRPC-ST Plan	Jan '19	Local government				
	congestion mitigation	Develop congestion mitigation programs to increase transportation	Cascadia Consulting	Aug '19	Local government			see comment	
		efficiency, reduce delay, and reduce emissions such as signalization							
T2.2		coordination improvements along with application of speed harmonization							
12.2		techniques (ex. reevaluate speed limits, roundabouts vs signalized							
		intersection, street connectivity). Added benefits are decrease idling time (pollution) and improve fuel efficiency (cost savings to driver).							
	reduce idling	Work with the State and/or region to enacted legislation to minimize	Thurston Thrives	Jan '19	Association of Washington Cities			see comment	Hard to enforce. See comment
		vehicle idling for GHG reductions, improved air quality and increased fuel						Work with local businesses such as gas stations, grocery pick up, and drive thru's	
		efficiency. Coordinate with public agencies and private companies that						to educate, sign and promote voluntary idle reduction programs for customers.	
T2.3		transport people and materials to develop and enact internal policies that						Motivate private entities by showing a potential reduction in fuel expense.	
		reduce idle time.						Improve air quality for vulnerable populations such as children (school bus) and	
								disabled/elderly (paratransit).	
	transportation efficiency service	Create and fund a transportation efficiency service for local residents that	TCAT	1-Oct	Local governments		low-income communities; rural		
		gives an assessment of a households current transportation costs, shows					communities/those who work		
T2.3		cost saving potential by using cleaner forms of transportation, connection					outside; realtors;		
12.3		with vendors and financing as needed, and follows to see if changes were							
		adopted by household.							
					<u> </u>				
T2.4	vehicle efficiency outreach	Develop educational campaigns about benefits (reduced GHG emission, increase fuel efficiency, safety) of properly inflated tires, including signage at gas stations and local businesses and partnering with schools.	Cascadia Consulting	Aug '19	Local government				
T2.7	carpooling	Work regionally to increase the HOV and HOT lanes available during peak times for car shares and carpools to reduce single occupancy trips.	Lacey CR2 plan/T Focus Group #1	Jan '19	TRPC, DOT	local governments,	rural communities; those who work outside		Coordinating multipul partners. Addition of lanes increase more hard scape.
	reduced parking requirements	Reduce the cost of development by reducing parking requirements for new	Cascadia Consulting	Aug '19	Local government				
T2.8		residential and mixed use development along transit corridors and in urban							
12.0		centers. Could allow substitution of care share programs.							
	congestion pricing	Explore congestion pricing between Thurston and Pierce counties along I-5	TRPC-ST Plan	Jan '19	TRPC, DOT			Learn from Seattle who has published a phase one report on their congestion	
T2.0		during peak hours to improve mobility by reducing traffic congestion,						pricing study.	
T2.9		reduce greenhouse gas emissions, and create a more equitable transportation system. Target revenues to projects that enhance system							
		efficiency.							
	Eco driving education	Include awareness of fuel economy through driving techniques in	T Focus Group #1	Sep-19	State Department of Licensing				
T2.12		curriculum for new drivers to reduce GHG emissions and develop long term		1					
	Take .	habits.	7.5	5				Franklin alexander (Profile Alberta)	
	TMAs	Mitigate traffic congestion and reduce GHGs by providing government grant	T Focus Group #1	Sep-19	Local government (public/private			Examples in other communities (Lloyd district example in Portland). Provides	
1		dollars to Transportation Management Associations (TMAs) to provide			partnership)			service that are not currently being met by existing transportation	
T2.15		membership-controlled transportation services in a range of areas including regional or city-wide service, along a specific corridor, or central business						agencies. Commute Trip Reduction (CTR) may provide the framework.	
		districts.		1					
	Internal policy - decrease idle time	Coordinate with public agencies and private companies that transport			Local government				
T2.16		people and materials to develop and enact internal policies that reduce idle							
	talancadia a /flancoadi	time.			Land and state or construct	1		CTD	
T2.17	teleworking/flex work	Government agencies increase opportunities for employee teleworking options and staggering work days to reduce employees driving during peak			Local and state government		workforce development	CTR programs	
12.17		traffic times.		1					
T3: Increase the	e adoption of electric vehicles, and the infras								
in case and					1		1		
T3.1	EV parking new construction	Require large commercial and residential buildings to dedicate a percentage of parking spots for electric vehicle charging.	TRPC (CALGreen)	Jan '19	Local government		construction companies/ contractors		
	free EV parking	Allow free parking for all electric vehicles at local government buildings and	Clean Technica and Greenway	Jan '19	Local government	1			
T3.2	F- 0	in city centers to encourage the adoption of all electric vehicles. Increase	,						
		cost of parking for Non-EV vehicles.				1			
1 _	solar parking lots	Work with utilities to develop installation of solar panels over surface	Thurston Thrives	Jan '19	Local government	PSE	renewable energy companies		
T3.3		parking spaces and structured parking garages to produce green energy for							
1	1	electric vehicles.		1	1	1	1	I .	1

Marie									
Property		EV charging retrofit	Partner with business and utilities to develop incentives and streamlined	TRPC	Jan '19	Local government Private installer			
Part									
Part	T3.4								
Marie Mari									
The content of the			transit stations, rural gov buildings/services/.						
Part		EV ready building code	Require all new residential construction be built EV ready. Create a simple	TRPC (CALGreen)	Jan '19	Local government	construction companies/	CALGreen drafted a model code, adapted from Lancaster, CA's municipal	
Signature of the control of the cont	T3.5							code. Model code: http://www.opr.ca.gov/docs/Example_Building_Codes.docx	
1905 Marie			- 				companies; realtors		
Manual		EV integration		TRPC-ST Plan	Jan '19	Local government			
Marie	T3.7		stations are able to be permitted in locations where they are needed.						
Mathematical Control									
Maria		public building EV infrastructure	Require new public facilities (buildings, park-and-rides, trailheads) have EV	TRPC-ST Plan	Jan '19	Local government			
Series of the content	T3.8								
The content of the co		and the SV floate		Diek Heen	A 110	Land animate	companies		
Marie Mari		convert to EV fleets		Rich Hoey	Aug 19	Local government		see comment	
Manual M	T3.10								
Mathematical Content									
Marie		EV education		T Focus Group #1	Sep-19	Local government			
Table	T3.11		awareness about EV options and incentives for use and purchase.						
Table		gas station colocation	Require all new gas stations install EV stations and that current gas stations	T Focus Group #1	Sen-19	Local government			
Process Proc	T3.12	Sas station colocation		1 10003 01000 111	3CP 13	Local government			
Second Part									
Marie Mari		EV mass purchase discounts		CAW	Oct-19				
Part of the control o	13.14		Evs, other fuel efficient and alternative fuel vehicles.			partnersnip)			
Second Continue		EV purchase incentives	Partner with car sale and lease dealerships to provide incentives for	CAW	Oct-19	Local government (public/private	Juisiue		
Part	T2 45	,							
Series of the se	13.15								
Series of the se									
Part	T4: Increase th	e use of public transit.							
See		increase transit	Increase local public transit routes/frequency with a focus on expanding	Thurston Thrives/ T Focus Group #1	Jan '19	Intercity Transit	low-income communities; rural	see comment	
Hand to the state of the state	T4.1		transit service before and after traditional business hours and on weekends.				communities/those who work		
Part Continue Co	14.1						outside; communities of color;		
Part Continue Co		haranani al kananata	Consend was in known six (no. and discount and or located in LICA and add account how	Dish Hand T Fanna Craws #1	A 110	Internity Towards			
March Property P		bus rapid transit		Rich Hoey/ Focus Group #1	Aug 19	Intercity Transit			
Part	T4.2								
Part									
Mary State Park Cult Service plant year year year year year year year year		rural transit		Public comment/ T Focus Group #1	Aug '19	TRPC/RT		Ruby Ride	
March Section March Se	T4.3		The state of the s						
Total Seed any processor file Net Net Net Net Net Net Net Net Net Ne							outside; communities of color;		
The second of th	T4.4	fareless system/youth ride free		Rich Hoey	Aug '19	Intercity Transit	low-income communities		
Consider to previously of travelly productive approaches and agrees to a common goal of the production of the producti		Sound Transit in Thurston County	Work with State Legislators and Governor's Office to identify opportunities	TCAP	Jan '19	State			
TAS demonstrate for large and enlarged one of symmetry system. Here work together the street is make a past of path. TAS demonstrate for large and a past of path of the street is make a past of p	T4.5		and funding to expand Sound Transit to Thurston County.						
TAS demonstrate for large and enlarged one of symmetry system. Here work together the street is make a past of path. TAS demonstrate for large and a past of path of the street is make a past of p		public transit case	Create a partnership of transit providers and agree to a common goal of	Cassadia Consulting	Aug '10	TRRC			
Table 1 declaration feel blasses 1 declaration f	T4.7	public transit ease		Cascadia Consulting	Aug 19	IRPC			
T4.9 and a first excitor and a second plant attendance analysis. Now was the titue primary and executed efficial to universation fallow. part for excitoscilla value of the primary and executed and all retiremine washing to determine what types of light capability for excitors. Assistance and sequent of regions and primary for the first and with primary for excitors. PA.1.0 and in the first and excitors the first and excitors for sagged and primary and other page falls fills at the mode with the excitors. PA.1.1 and the first and excitors the first and excitors for sagged and excitors the first and excitors. PA.1.1 and the first and excitors the first and excitors for sagged and excitors. PA.1.1 and the first and excitors the first and excitors for sagged and excitors the first and excitors. PA.1.1 and the first and excitors the first and excitors for sagged and excitors the first and excitors. PA.1.1 and the first and excitors the first and excitors for sagged and excitors the first and excitors. PA.1.1 and the first and excitors the first and excitors for sagged and excitors the first and excitors. PA.1.1 and the first and excitors the first and excitors for sagged and excitors the first and typic first and excitors. PA.1.1 and the first and excitors for sagged and excitors the first and typic first and excitors. PA.1.1 and the first and excitors for sagged and excitors for sagged and excitors for excitors and excitors. PA.1.2 primary the first and excitors for sagged and excitors for e	1								
and the format around. Scene founding in the State budget to complete an any state of large and the state budget to complete and type of the future what funding mechanisms and separate arounds around as the mode shift in elegant may be added to support and the future what funding mechanisms are stated around and separate and exposure the funding mechanisms and separate arounds and separate stated from the funding mechanisms and separate arounds and separate stated from the funding mechanisms and separate arounds and separate stated from the funding mechanisms and separate stated for the funding mechanisms and separate stated from the funding mech	T4.8	alternative fuel buses	Transition area transit services to 100% renewable energy.				renewable energy companies		
stemants analyses to decomine what types of high capabity types high capabity types of high		fed-compliant alternatives analysis		TRPC-ST Plan	Jan '19	TRPC			
refer education/benefits About an and captured a regional molite agent and interpret page that lets an immore delift About an and captured a regional collection of flow and an expert or regional collection and captured as regional collection of flow and captured as regional collection of flow and captured as regional collection of collection of the deliver of the second of captured and captured by the collection of captured as a second of captured by the collection of captured as a second of captured by the collection of captured by the cap	T/1 O								
Table of reducation/benefits with transit projected role general engined entire specified specific apportunities. (Turniton level-17-11-10) Table of reducation/benefits with transit projecters to employee specified specific apportunities. (Turniton level-17-11-11-11-11-11-11-11-11-11-11-11-11-	14.5								
selection efforts and employer benefits opportunities (Flustron Heer-In-Invalida comments section for comments section for comments section of com			available.	<u> </u>					
The plant of the properties of		rider education/benefits		T Focus Group #1	Sep-19	TRPC		- Cost of trip -> trip changing	
T4.13 per & note that the delication and feterals and per delication and feterals per delication and feterals and per delication and p	T4.10								
T4.13 park & ride Work with transit providers to explore expansion of park & rides and park & I Focus Group #1 pools. T4.14 transit & schools Work with school and transit providers to understand if there is a likely partnership to conclinate routes with transit start and topol times. T4.15 promote transit benefits Work with employers and transit agencies to develop ways to incentivize employer incentivize employer incentivize employer incentivize employers such transit agencies to develop ways to incentivize employer incentivize employers incentivize employers incentivize employers incentivize employers and transit agencies to develop ways to incentivize employer inching techniques with employers and transit agencies to develop ways to incentivize employer parking pictures. T5.1 work force development T5.1 work for save land more efficient commuting modes. T6.2 Target work for save land more efficient commuting modes. T7.2 Darriers to transportation alternatives Develop a regional plane to expanse day of bring infrastructure, including spentred and protection opportunities. Coordinate efforts to maximize funding mechanisms and opportunities. Develop a regional inventory to identify again in comectivity for safe opining and walking, then develop astrategy to promote tapportunities. T6.2 Darriers to transportation alternatives Develop a regional inventory to identify again in comectivity for safe opining and again for funding. Require municipal and tage employers to provide a shower and/or changing area for employees to facilitate bising to work, and secure/dry bise parking provide financial inclusives for employees to facilitate bising to work, and secure/dry bise parking provide financial inclusives for employees to facilitate bising to work, and secure/dry bise parking provide financial inclusives for employees to facilitate bising to work, and secure/dry bise parking provide financial inclusives of employees to facilitate bising to work, and secure/dry bise parking provide financial inclusives of e			,						
transit & schools T4.14 transit & schools Work with school and transit providers to understand if there is a likely partnership to coordinate routes with transit start and top times. T4.15 promote transit benefits Work with employers and transit agencies to develop ways to incentivize employer efficiently (exc. relates for employees who give up use of employer with employers and transit agencies to develop ways to incentivize employer including specificating (exc. relates for employees who give up use of employer with employers and remains and employers of employees who give up use of employer with employers and partnership (exc. relates for employees who give up use of employer with employers and partnership (exc. relates for employees who give up use of employer with employers and partnership (exc. relates for employees who give up use of employer with employers and partnership (exc. relates for employees who give up use of employer with employers and partnership (exc. relates for employees who give up use of employers and partnership (exc. relates for employees to facilitate binding mechanisms and opportunities. T5.1 walk/bits infrastructure walk/bits infrastru		park & ride	- i	T Focus Group #1	Sep-19	Intercity Transit			
T4.15 promote transit benefits Work with employers and transit start and top times. T4.15 promote transit benefits Work with employers and transit start and top times. T4.15 promote transit benefits Work with employers and transit start and top times. T4.15 promote transit benefits Work of travel and more efficient community modes. T5. Increase use of active forms of travel and more efficient community modes. T5. Increase use of active forms of travel and more efficient community modes. T5.1 wall/bike infrastructure Coordinate cities of Thurston Counties Master Bicycle and Pedestrian plans into a large regional plan to expand walking and biking infrastructure, including separated and protected opportunities. Coordinate efforts to maximize funding mechanisms and opportunities. T5.1 barriers to transportation alternatives Develop a regional inventory to identify gaps in connectivity for safe cycling and walking. Then develop a strategy to principite projects and a plan for funding. T5.2 biking to work Require municipal and large employers to provide a shower and/or changing area for employees to facilitate biking to work, and secure/dry bike parking. Provide financial incremits of employees to facilitate biking to work, and secure/dry bike parking. Provide financial incremits of employees to facilitate biking to work, and secure/dry bike parking. Provide financial incremits of employees propries bicycle.	T4.13	<u> </u>	pools.	·		,			
T4.15 promote transit benefits Work with employers and transit agencies to develop ways to incentivize employer exception give up use of employer and plant of gacilities). T5: Increase use of active forms of travel and more efficient commuting modes. T5: Increase use of active forms of travel and more efficient commuting modes. T5: Increase use of active forms of travel and more efficient commuting modes. T5: Increase use of active forms of travel and more efficient commuting modes. T6: Increase use of active forms of travel and more efficient commuting modes. T6: Increase use of active forms of travel and more efficient commuting modes. T6: Increase use of active forms of travel and more efficient commuting modes. T6: Increase use of active forms of travel and more efficient commuting modes. T6: Increase use of active forms of travel and more efficient commuting modes. T6: Increase use of active forms of travel and more efficient commuting modes. T6: Increase use of active forms of travel and more efficient commuting modes. T6: Increase use of active forms of travel and more efficient commuting modes. T6: Increase use of active forms of travel and more efficient commuting modes. T6: Increase use of active forms of travel and more efficient commuting modes. T6: Increase use of active forms of travel and more efficient commuting modes. T6: Increase use of active forms of travel and more efficient commuting modes. T6: Increase use of active forms of travel and more efficient commuting modes. T7: Increase use of active forms of travel and more efficient commuting modes. T7: Increase use of active forms of travel and more efficient commuting modes. T7: Increase use of active forms of travel and more efficient commuting modes. T7: Increase use of active forms of travel and more efficient commuting modes. T7: Increase use of active forms of travel and more efficient commuting modes. T7: Increase use of active forms of travel and more efficient commuting modes. T7: Increase use of active forms		transit & schools		T Focus Group #1	Sep-19	Intercity Transit			
### Table Employee ridership (ex. rebates for employees who give up use of employer parking facilities). #### Table Employee ridership (ex. rebates for employees who give up use of employer parking facilities). ###################################	T4.14		partnership to coordinate routes with transit start and top times.						
### Table Employee ridership (ex. rebates for employees who give up use of employer parking facilities). #### Table Employee ridership (ex. rebates for employees who give up use of employer parking facilities). ###################################	 	promote transit henefits	Work with employers and transit agencies to develop ways to incentiving		+	TRPC	workforce development		
T5: Increase use of active forms of travel and more efficient Commuting modes. T5: Increase use of active forms of travel and more efficient Commuting modes. T5: Increase use of active forms of travel and more efficient Commuting modes. T5: Increase use of active forms of travel and more efficient Commuting modes. T5: Increase use of active forms of travel and more efficient Commuting modes. T5: Increase use of active forms of travel and more efficient Commuting modes. T6: Increase use of active forms of travel and more efficient Commuting modes. T6: Increase use of active forms of travel and more efficient Commuting modes. T6: Increase use of active forms of travel and more efficient Commuting modes. T6: Increase use of active forms of travel and more efficient Commuting modes. T6: Increase use of active forms of travel and more efficient Commuting modes. T6: Increase use of active forms of travel and more efficient Commuting modes. T6: Increase use of active forms of travel and more efficient Commuting modes. T6: Increase use of active forms of travel and more efficient Commuting modes. T6: Increase use of active forms of travel and more efficient Commuting modes. T6: Increase use of active forms of travel and protected opportunities. Coordinate efforts to maximize funding mechanisms and opportunities. Opportunities. Takes until coordinate efforts to maximize funding mechanisms and opp	T4.15	promote transit beliefits				1111 0	worktorce development		
TS: increase use of active forms of travel and more efficient commuting modes. TS-1									
T5.1 walk/bike infrastructure Coordinate cities of Thurston Counties Master Bicycle and Pedestrian plans into a large regional plan to expand walking and biking infrastructure, including separated and protected opportunities. Coordinate efforts to maximize funding mechanisms and opportunities or maximize funding mechanisms and opportunities. Coordinate efforts to maximize funding mechanisms and opportunities or separated and protected opportunities. Coordinate efforts to maximize funding mechanisms and opportunities or separated and protected opportunities. Coordinate efforts to maximize funding mechanisms and opportunities or separated and protected opportunities. Coordinate efforts to maximize funding mechanisms and opportunities or separated and protected opportunities. Coordinate efforts to maximize funding mechanisms and opportunities or separated and protected opportunities. Coordinate efforts to maximize funding mechanisms and opportunities or separated and protected opportunities. Coordinate efforts to maximize funding mechanisms and opportunities. TRPC TRPC TRPC TRPC TRPC Local government Thurston Thrives Local consulting Aug '19 Local government Cascadia Consulting Aug '19 Local government Cascadia Consulting Local government Cascadia Consul	T5: Increase us	e of active forms of travel and more efficient							
into a large regional plan to expand walking and biking infrastructure, including separated and protected opportunities. Coordinate efforts to maximize funding mechanisms and opportunities. 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. T5.3 biking to work Require municipal and large employers to provide a shower and/or changing area for employees to facilitate biking to work, and secure/dry bike parking. Provide financial incentives for employer-sponsored bicycle	srease us			Thurston Thrivs	lan '10	TRRC	rural communitates laborates	b	
including separated and protected opportunities. Coordinate efforts to maximize funding mechanisms and opportunities. 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. Diking to work		waik/ DIKE ITITASTIUCTURE		murston innives	nau 1a	INFC		K.	
maximize funding mechanisms and opportunities. 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. T5.2 biking to work Require municipal and large employers to provide a shower and/or changing area for employees to facilitate biking to work, and secure/dry bike parking. Provide financial incentives for employer-sponsored bicycle	T5.1						Juciliuc		
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. T5.3 biking to work Require municipal and large employeers to provide a shower and/or changing area for employeers to facilitate biking to work, and secure/dry bike parking. Provide financial incentives for employer-sponsored bicycle									
T5.2 and walking. Then develop a strategy to prioritize projects and a plan for funding. biking to work Require municipal and large employers to provide a shower and/or changing area for employees to facilitate biking to work, and secure/dry bike parking. Provide financial incentives for employer-sponsored bicycle									
to funding. biking to work Require municipal and large employers to provide a shower and/or changing area for employees to facilitate biking to work, and secure/dry bike parking. Provide financial incentives for employer-sponsored bicycle		barriers to transportation alternatives		Cascadia Consulting	Aug '19	TRPC			
biking to work Require municipal and large employers to provide a shower and/or changing area for employees to facilitate biking to work, and secure/dry bike parking. Provide financial incentives for employer-sponsored bicycle Cascadia Consulting Aug '19 Local government	15.2								
changing area for employees to facilitate biking to work, and secure/dry bike parking. Provide financial incentives for employer-sponsored bicycle		biking to work		Cascadia Consulting	Aug '19	Local government			
bike parking. Provide financial incentives for employer-sponsored bicycle	TE 2		changing area for employees to facilitate biking to work, and secure/dry						
programs.	13.3								
			programs.						

T5.4	school drop-off alternative modes	Maintain and expand a walking/biking incentive program with safety education for families.	Cascadia Consulting	Aug '19	School Districts	Intercity Transit	low-income communities; rural communities/those who work outside
T5.6	park & pool	Require covered and safe bike storage at carpooling and pick up locations.	T Focus Group #1	Sep-19	Local governments		
T5.7	urban bikeshare	Pilot and, if successful, implement a bike/scooter share program.	TRPC	Jan '19	Capitol City Bikes? / private third- party		
T5.11	car-free zones	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.	T Focus Group #1	Sep-19	Local government		low-income communities; rural communities; rural communities, those who work outside; communities of color
T5.12	bike/transit	Coordinate a meeting with bicycle advocacy groups and transit agencies to explore barriers (ex. limited bike storage on bus). Prioritize solutions and develop plan to reduce barriers.	T Focus Group #1	Sep-19	TRPC	Local governments, advocacy groups	communities of color; low-income communities
T5.13	telecommuting infrastructure	Develop grants and provide financial resources for installation of infrastructure necessary to support telecommuting.	G Focus Group #1	Sep-19	Local government/TRPC		
T6: Support re	gional mass transportation connections.						
T6.1	Olympia-Seattle rail	Update plans to prioritize commuter rail connection between Olympia and Seattle. Work with State partners to develop a plan and find other partners that have similar vision to coordinate with.		Se	p-19 State?		
T6.2	Olympia ferry service	Provide ferry service between Olympia and Seattle. Work with State partners to develop a plan and work with other partners that have similar vision.	T Focus Group #1	Se	ep-19 Washington State?		

W Focus Area: WATER & WASTE

W Focus Area: WATER & WASTE

Strategies:
W1: Increase the efficiency of water infrastructure + wastewater
W2: Reduce water consumption
W3: Reduce emissions from wastewater treatment operations
W4: Divert more solid waste from landfills
W5: Generate energy from waste sources
W6: Reduce consumption of carbon-intensive goods and services
W7: Reduce emissions of solid waste operations

Action ID#	short name	description	source	date added	implementor	potential partners	target stakeholders	opportunities	barriers
			Source	date added	Implementor	potential partners	target stakenoiders	Topportunities	parriers
/1: Increase 1	the efficiency of water infrastructure + waste								
	municipal energy efficiency	Conduct efficiency improvements to municipal water and sewage treatment	Adaptation Plan	Jan '19	Local government, PSE, LOTT,			Olympia has completed an energy audit of its water infrastructure - tracks water	energy audit
		systems. Prioritize components that consume the most energy and have			Thurston PUD, (Lead depends on			loss and has looked at motor efficiency. Currently buys Green Power through	
W1.1		high GHG emissions.			system operator)			PSE.	
								LOTT has also conducted an energy audit, and is making investments in	
								efficiency upgrades (see note).	
	public water systems	Prioritize efficiency improvements to public water systems (Group A and	TRPC	Aug-19	Thurston PUD, Lacey, Olympia,			Streamflow Restoration funding	New pumps aren't always more efficient
W1.2		Group B). Prioritize components that consume the most energy and have			Tumwater				Need to ensure redundancy, so will need a traditional backup, even if switch to
VV 1.2		high GHG emissions.							solar or other renewable power (could use rechargeable batteries as a power
									source)
	rural wells	Provide a low interest loan program to encourage the use of efficient	TRPC		Thurston County		lenders; construction companies/		
W1.3		technology when permitting wells to serve new rural development.					contractors		
	gravity sewer	Study the energy efficiency and cost impacts of gravity sewers versus STEP	W/W Focus Group Moeting #1	Aug '19	Lacey, Olympia, Tumwater			gravity effluent easier to treat	
W1.4	gravity sewer	systems. As needed, introduce programs, regulations, and/or incentive	WW Todas Group Weeting #1	Aug 15	Euccy, Grympia, Tumwater			gravity emident easier to treat	
		programs.							
	lifecycle costs	Assess the energy use or energy savings of wastewater-related projects, and	WW Focus Group Meeting #1	Aug '19	Local government, Thurston PUD	,		LOTT does this already.	
W1.5		other lifecycle costs. Make analysis available to decision-makers.			LOTT				
W2: Reduce w	vater consumption								
140.4	municipal water ordinance	Develop a mandatory municipal water conservation ordinance.	Lacey CR2 plan	Jan '19	Local government		construction companies/		
W2.1	·						contractors		
W2.2	water audits	Conduct water audits of city and county facilities to determine prioritization	Ashland Climate & Energy Action Plan	Aug '19	Local government				Look at plumbing fixtures in municipal buildings
****		of capital improvements.							
W2.3	water conservation outreach	Expand water conservation outreach and incentive programs for residents	Ashland Climate & Energy Action Plan	Aug '19	Local government			Low return on investment.	
W2.3		and businesses through new funding sources (ex. grants) and partnerships.							
	permitting	Review and update building code to ensure most efficient water practices	TRPC	Aug '19	Local government		construction companies/	Challenging for commercial b/c tenant changes.	
W2.4	perment	and technologies are applied to new development.		7.05 13	Local government		contractors	and the state of t	
	rural conservation	Provide technical assistance for rural "exempt" wells to conserve water.	Art Starry, Thurston County Environmental	Aug '19	Thurston County, TCD		rural communities		
W2.5		·	Health	_					
W2.6	agricultural water use	Evaluate agricultural water use and develop a program to buy back or	Art Starry, Thurston County Environmental	Aug '19	Local government		farmers/ ranchers		
WZ.0		reclaim excess capacity.	Health						
	low-water landscaping	Require water landscaping conservation practices for new development.	Art Starry, Thurston County Environmental	Aug '19	Local government		construction companies/		
W2.7			Health/WW Focus Group Meeting #1				contractors		
	integrated incentives	Integrate City incentives for water and wastewater reductions with other	Thad Curtz	Sept '19	Local government				
	megrated memores	aligned incentive programs (ex. PSE rebates for washing machines and		Sept 15	Escal government				
W2.8		dishwater energy savings) to encourage broader usage and conservation.							
		3, 3,							
	tiered rates	Study effectiveness and strategies for conservation with tiered rating	Thad Curtz	Sept '19	Local government		Most (all?) utilities		
W2.9		structures for water and sewer, and if proven, apply new rate structures.							

W2.10	water reuse	Develop a water reuse program for water conservation on site. Provide technical assistance and incentives, such as free rain barrels, to gather water and use on site (e.g., rain barrels for irrigation).	Aug '19	LOTT, local government				
W2.10b	reclaimed water	Expand the use of reclaimed water, especially where needed for irrigation.		LOTT				
W2.11	watering schedule	Institute mandatory watering schedule that limits irrigation to certain days. WW Focus Group Meeting #1	Aug '19	Local government		farmers/ ranchers; rural	Lacey has a current program	
W2.12	high users	Identify greatest water users and provide targeted technical outreach and support to reduce water consumption.	Aug '19	Local government, LOTT		communities; realtors		
W2.13	combined sewer	Support to reduce water consumption. Separate combined sewer and stormwater system. Start with feasibility study and follow through on findings.	Aug '19	Olympia, LOTT				Extra infrastructure
W2.15	renter incentives	Develop and offer incentives for water conservation targeted to renters and WW Focus Group Meeting #1 multifamily residential units.	Aug '19	Local government		construction companies/ contractors; realtors		
	metering	Use metering to inform water consumers about their use compared to WW Focus Group Meeting #1	Aug '19	Local government		contractors; realtors		
W2.16		others on their utility bill. Provide technical assistance and education to higher users on ways to conserve water and improve household/business efficiencies.						
W2.17	gray water use	Require use of gray water in new residential and commercial buildings. Start With feasibility study and change building codes based on results.	Oct '19	Local government	DOH			Would require DOH approval.
W2.18	HOA watering outreach	Provide education and technical assistance to HOAs related to revising covenants that may be causing increase water consumption and/or prohibiting energy savings (ex. lawns must be irrigated and green, no water barrels).		Local government		realtors		
W2.19	well conversion to public systems	Provide technical assistance to rural "exempt" well owners to convert to public water systems when service connections are available.		Thurston County, PUD		farmers/ ranchers; rural communities		
						communicies		
W3: Reduce er	missions from wastewater treatment operations	Research and implement nitrous oxide mitigation strategies and strategies WW Focus Group Meeting #1	Aug '19	LОТТ				
W3.1	nitrous oxide capture	to avoid or reduce nitrous oxide emissions. Present findings and cost vs benefits analysis to policy makers to determine what changes should be made.	Aug 19	1011				
W3.2	methane capture	Capture methane from wastewater operations and use to generate power to run systems. Begin by researching cost-effective methods and identifying funding sources to implement.	Aug '19	LOTT				
W3.3	hydrogen power	Investigate and determine if hydrogen power is a cost effective alternative energy source for operations, including technical vehicles, or for distribution and if so, identify funding source to implement.	Aug '19	LOTT				
W4: Divert mo	ore solid waste from landfills							
W4.1	residential composting	Expand residential programs for composting and recycling food waste. Thurston Thrives	Jan '19	Local government			TC waste is being converted into renewable natural gas (RNG)	Expensive to construct, and hard to find available space. Air quality implications to burning waste, what are emissions in burning?
W4.2	commercial composting	Expand commercial programs for composting food waste. Start by identifying funding and partners.	Aug '19	Local government			Thurston County Restaurant Rescue program	
W4.4	waste audits	Provide waste audits for business owners and education on practices that decrease waste (ex. compost, recycling, reuse).	Aug '19	Local government				
W4.5	gleaning	Expand gleaning programs and recovery and use of edible yet unwanted flurston Thrives/AF Focus Group #1 foods from restaurants, grocery stores, and schools.	Jan '19	Thurston County Food Bank				
W4.7	deconstruction ordinance	Develop a building deconstruction ordinance, with requirements for deconstruction, reporting, inspections, and compliance tools. Thad Curtz	Sept '19	Local government		construction companies/ contractors	Examples at: https://sustainableconsumption.usdn.org/initiatives- list/encouraging-and-mandating-building-deconstruction Also Portland's ordinance at: https://www.portlandoregon.gov/bps/68520	
W4.8	fruit teams	Partner with food banks and neighborhoods to harvest fruit from urban Thad Curtz	Sept '19	Food Bank		food banks	Portland's Fruit Tree Project (https://www.portlandfruit.org/) or Seattle's City	
	organics collection	fruit trees. Require food waste pickup at residential and commercial buildings to Thad Curtz	Sept '19	Local government		food bank; realtors	Fruit (https://www.cityfruit.org/join-us/about-us) Seattle has an existing program.	
		reduce landfill methane. Compliment with an ordinance that restricts compostables from going into the garbage and has a fining structure to					"Seattle Municipal Code (SMC) sections 21.36.082 and 21.36.083 require that	
W4.9		enforce.					residents and businesses do not put food scraps, compostable paper, yard waste, and recyclables in their garbage Seattle Public Utilities (SPU) gives warning notices for garbage containers that contain recyclables or compostables. For each warning, the property will receive a tag on the containe and a notice will be mailed to the account. After 2 warnings, properties may receive a \$50 fee on their waste bill for recyclables in the garbage.	er
W4.10	waste less food program	Expand the TC Public Works "Waste Less Food" program.		Thurston County				Increasing education/outreach and programming drives up consumer rates, which decentivizes participation
W4.11	regional recycling	Conduct an analysis of how a regional recycling facility could build local markets for recyclable materials. Develop a cost vs benefits analysis and present to policy makers. WW Focus Group #1	Aug '19	Thurston County, EDC,			Longview Paper Mill - takes all mixed grade paper	
W5: Generate	energy from waste sources							
W5.1	waste-to-energy	Research the opportunities to generate additional energy from waste products (e.g., woody biomass and sewage) in Thurston County to reduce fossil fuel consumption and present to policy makers for consideration.	Jan '19	Colleges, WSUx		renewable energy companies (?)	TC waste is being converted into renewable natural gas (RNG)	Expensive to construct, and hard to find available space. Air quality implications to burning waste, what are emissions in burning?
W5.2	heat exchange	Research the feasibility of heat exchange potential of embedded energy in wastewater and/or reclaimed water and present to policy makers for consideration.	Aug '19	LOTT			Similar to district heating idea.	
W5.3	kinetic energy	Research the feasibility of utilizing kinetic energy from transport of water and wastewater through piping networks and present to policy makers for consideration. Art Starry, Thurston County Environmer Health	tal Aug '19	Thurston County				
W5.4	FOG waste	Research feasibility of program to digest Food, Oils, and Grease (FOG) and/or commercial food waste at LOTT to recover energy and increase methane production and present to policy makers for consideration.	Sept '19	LOTT	local restaurants, local schools			
	1		1	1	1	i	1	1

	T			T T		
	dry anaerobic digesters	Evaluate feasibility of a dry anaerobic digester with associated combined Thad Curtz/WW Focus Group #	1 Sept '19	Thurston County	renewable energy companies	
W5.5		heat and power facility to process organics and agricultural waste locally.			farmers/ ranchers	
		Present findings to appropriate policy makers for their consideration.				
W6: Reduce co	onsumption of carbon-intensive goods and ser	vices				
	consumption emissions education	Develop an education program about consumption-based emissions and	on Plan Jan '19	Local government		
W6.1		simple ways to track and reduce consumption-based emissions for residents				
		of Thurston County.				
W6.2	meat reduction	Develop awards/recognition programs for restaurants that encourage plant- Thurston Thrives	Jan '19	Local government		
W0.2		rich diet that reduce meat consumption.				
	collaborative consumption	Develop a awards/recognition programs for "collaborative consumption" Cascadia Consulting	Aug '19	Local government	low-income communities;	
W6.3		community projects like tool libraries and repair cafes, through mini-grant			communities of color; rural	
		programs to encourage their use and new projects.			communities	
	environmentally preferable purchasing policy		4 . 140			
W6.4	environmentally preferable purchasing policy	Local governments require departments, agencies, consultants and Cascadia Consulting	Aug '19	Local government	construction companies/	
VV 0.4		contractors to use recycled products whenever possible and not cost prohibitive.			contractors	
	product stewardship	Support state-level product stewardship legislation that requires producers Cascadia Consulting	Aug '19	State government		
	product stewardship	to be involved in end-of- product-life management, either through product	Aug 13	State government		
W6.5		design changes (e.g. compostable snack bags), investing in take back				
		programs , or placing a fee on the sale of products to support diversion.				
		P - 0 7 - P 0				
W6.6	supply chain	Provide free technical assistance to local businesses in reducing the carbon Multnomah County Climate Ac	tion Plan	Local government		
W6.6		intensity of their supply chains.				
	water fill stations	Require all government-owned water fountains be replaced with water	Aug '19	Local government		
W6.7		bottle filling stations at end of life and all new construction requires water				
		bottle filling stations.				
W6.8	reusable takeout	Amend health code to allow reusable take out containers. WW Focus Group #1	Aug '19	Department of Health, Local		
W6.9	single-use ban	Ban single use plastics (e.g. straws, water bottles) WW Focus Group #1	Aug '19	government Local government		consumer behavior
		Ball single use plastics (e.g. straws, water bottles)	Aug 19	Local government		Consumer denaylor
W7: Reduce e	missions of solid waste operations					
	waste route efficiency	Partner with sanitation companies to evaluate the GHG reduction potential Thad Curtz	Sept '19	Local government		Technology exists: Hybrid trucks and powered by CNG. Currently done by
W7.1		of utilizing one side for street pickup and present to policy makers for		_		Olympia; is this done by other providers?
		consideration.				
	waste service areas	Mandate that areas served redundantly by municipalities and private waste Thad Curtz	Sept '19	Local government		
W7.2		collection are eliminated, such as the Tumwater/Olympia border south of				
VV 7.2		the high school, by trading service areas				
	garbage fleet electrification	Electrify garbage truck fleet. Start by developing plan for municipal and Thad Curtz	Sept '19	Local government		Seattle's new BYD EV rear-loader
		private waste collectors that includes financing options.				https://arstechnica.com/cars/2019/05/seattle-makes-history-with-electric-
						garbage-truck/
						Value EV andreas Arrigh
W7.3						Volvo EV garbage truck https://www.motorauthority.com/news/1116920_volvo-introduces-electric-
VV 7.3						nttps://www.motoraumony.com/news/1116920_voivo-introduces-electric- delivery-garbage-truck-with-186-mile-range
						denter y Baroge track-with-to-ninier falle
						Mack EV garbage truck
						wack to galloge titus. https://www.greencarreports.com/news/1123352_mack-plans-to-send-electric-
						trucks-to-the-garbage-dump
	1	1			l l	ardens to the Barbage damp

A Focus Area: AGRICULTURE & FORESTS

Strategie

A1: Reduce emissions from agricultural practices.

A2: Support agricultural practices that sequester carbon

A3: Support production of less carbon-intensive agricultural products, and local food market

A4: Preserve existing trees, forest lands, and open space

A5: Manage forests to sequester carbon.

A7: Increase carbon sequestration in marine ecosystem

Action ID#	short name	description	source	date added	implementor	potential partners	target stakeholders	opportunities	barriers		
1: Reduce en	educe emissions from agricultural practices.										
A1.1	manure management	Provide education and incentives (grants, loans, technical assistance) to support manure management that reduces methane and nitrous oxide emissions (ex. covered manure storage facilities, manure application practices).	Cascadia Consulting	Aug '19	TCD, WSUx		Farmers/ranchers; rural communities	Existing outreach program through the Thurston Conservation District	Funding for staff and BMP implementation		
A1.2	nutrient management	Provide education and incentives (e.g., grants, loans, technical assistance) reduce nitrous oxide emissions when managing fertilizer.	TRPC	Aug '19	TCD		Farmers/ranchers; rural communities		Funding for staff and BMP implementation		
A1.3	waste-to-energy	Conduct a feasibility study on small-scale energy production (ex. capture and combustion of methane, anaerobic digestion, biofuel and biogas production), then identify partners, programs and incentives to develop across TC.	TRPC	Aug '19	WSUx		Farmers/ranchers				
A1.4	water use	Develop an incentive program (e.g., technical assistance) to improve the efficiency of agriculture irrigation systems. Identify grant funding.	TRPC	Aug '19	TCD		Farmers/ranchers; rural communities	Drought grant funding through Washington State Conservation Commission	Funding for staff and BMP implementation		
A1.5	BMP audits	Develop and incorporate mandatory sustainability audits into conservation/farm plans. Develop program and identify funding reduce energy use and promote best management practices (BMPs).	Cascadia Consulting/TRPC	Aug '19	TCD		Farmers/ranchers	Washington State Conservation Commission (WSCC) cost-share; build on existing checklists and processes	Funding for staff and BMP implementation		

A1.6	feed additives	Provide education to promote methane-reducing livestock feed additives (ex. seaweed derivatives). Make cost effective by partnering with local vendors and consumers to develop a bulk purchase program.	AF Focus Group #1	Aug '19	TCD		Farmers/ranchers		
A2: Support ag	ricultural practices that sequester carbon.								
	I a a a a a a a a a a a a a a a a a a a	Consideration and advantage (as less kill as kill advantage	TRPC	IA= 110	TCD MCII.	TECC DOD Ct Ma-stin-	Transport / remain and a service	Dilet annual vite in a still a few and Comment of the Astronomy	Finalization for sheff and DNAD involves what is a final size for the involves and
A2.1	regenerative agriculture	Expand regenerative agricultural practices (ex. low-till, no-till education programs) 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.	IRPC	Aug '19	TCD, WSUx	TESC POP program, St Martins	Farmers/ranchers; rural communities	Pilot programs with incentives for farmers; Expand regenerative Ag training programs at insitutions of higher learning to support a new generation of famers that use regenerative agricultural production practices. Existing Equipment rental programs through TCD	Funding for staff and BMP implementation; financial risk for trying new practices or expanding;
A2.3	biochar	Thurston EDC, Port Authority and TCD partner to explore feasibility of biochar enterprise in Thurston County to promote amending soils with biochar.	TRPC	Aug '19	TCD/EDC/Port Authority		Farmers/ranchers		
A2.4	soil carbon research	Fund/support regional soil carbon sequestration research to encourage adoption of region-specific conservation farming practices that store carbon.	WSU	Jan '19	WSUx		Farmers/ranchers		
A2.5	silvopasture	Develop education programs and incentives to encourage farmers to incorporate tree planting on farms (e.g., silvoculture, silvopasture, agroforestry, tree cropping).	AF Focus Group Meeting #1	Aug '19	TCD		Farmers/ranchers		
A3: Support pr	oduction of less carbon-intensive agricultural p	products, and local food markets.							
	<u> </u>		lass	1	The state Count	Iceres:	Is		Francisco de la la constantidad de la constantidad
A3.1	farmland preservation	Support farmland preservation through land use policies and financial incentives (e.g., conservation easements) to maintain production capacity and increase self-sufficiency.	AF Focus Group meeting #1	Aug '19	Thurston County	SSFSN	Farmers/ranchers		Economics that lead to conversion of farmland to development
A3.2	food system assessments	Encourage growth of local markets through market research and assessment of our ability to feed ourselves from regionally-produced foods.	AF Focus Group meeting #1	Aug '19	TESC, WSUx	TEDC, WSUx, Senior Svs South Sound/ SSFSN	Farmers/ranchers		Lack of understanding of current capacity to meet local market needs
A3.3	processing and distribution hub	Develop a hub to process and distribute regionally-grown agricultural products to local markets (including restaurants, supermarkets, jails, schools, colleges, and hospitals).	AF Focus Group meeting #1	Aug '19	TEDC	WSUx, SSFSN Infrastructure/Processing WIT, EDO	Farmers/ranchers	Regional food can be price competitive, existing EDC programs	Distribution is inefficient locally with many small famrs spread out
A3.5	institutional markets	Explore local policy and financial incentives to increase the percentage of regionally produced foods purchased by cafeterias in government and municipal institutions.	AF Focus Group meeting #1	Aug '19	State and Local governments, school districts	EDC	Farmers/ranchers; rural communities	Existing EDC programs, WSDA grants to food banks to purchase and contract wi	more research needed
A3.6	SNAP access	Publicize federal nutrition incentive programs that aim to support small and mid-sized farms, such as SNAP, FMPP, LFPP, and FINI grant.	AF Focus Group meeting #1	Aug '19	Local governments	WA-DOH, Olympia FM, WSUx SNAF program	Farmers/ranchers		
A3.7	hemp production	Develop an economic development plan for attracting industrial hemp production as a way to create local jobs and sequester carbon.	Public comment	Aug '19	EDC, local governments		Farmers/ranchers	Soil testing program	
A3.8	woody crops	Provide technical assistance to help residents, businesses, and the agricultural community grow woody perennial crops that help conserve	Adaptation Plan	Jan '19	Residents, agricultural community, TCD		Farmers/ranchers		
		water, store carbon, and provide other ecosystem services.							
A4: Preserve e	kisting trees, forest lands, and open space.			_					
A4.1	natural area preservation	Identify and establish a range of diverse, stable, longterm funding sources for the acquisition, restoration, and preservation of prime natural areas.	Cascadia Consulting	Aug '19	Thurston County	land trusts, TCD		Many such programs exist: Conservation Futures, FarmLink, CREP, salmon recovery funding, federal grants, etc. TCD forest planting programs	Lack of consistent Conservation Futures funding leaves a gap of local match funding that dampens ability of Thurston County land trusts (CLT, NLT, SSCFLT) to get funding for projects.
	working land prosperation	Identify or develop local funding sources for agricultural and forestry	Cascadia Consulting	Aug '19	Thurston County	land trusts, TCD	Farmers/ranchers	Voluntary Stewardship Program, Sentinel Landscape Partnership, Regional	Any program should be additional or build on existing programs, new program could take away from what limited funding is there. Lack of consistent Conservation Futures funding leaves a gap of local match
A4.2	working land preservation	conservation easements. This could include creating a system for bundling small monetary contributions to invest in collective conservation easement or land purchases.	Cascaula Consulting	Aug 19	murston county	ialiu trusts, ICD	rainersyranciers	Conservation Partnership Program	funding that dampens ability of Thurston County land trusts (CLT, NLT, SSCFLT) to get funding for projects. Difficult to enforce restrictions through successive landowners
A4.3	tree codes	Review and revise local development regulations to require the carbon sequestration value of existing trees be considered in regulatory requirements like site plan review.	TRPC	Aug '19	Local government				
A4.4	clearing limits	Add clearing limits (usually expressed as percentage) for large lot development in county and city zoning codes.	AF Focus Group meeting #1	Aug '19	Local government		Farmers/ranchers; construction companies/ contractors		
A4.5	stream buffers	Update permitting requirements to increase the required stream buffer size to increase carbon sequestration.		Aug '19	Local government		Farmers/ranchers	collaborate with salmon preservation efforts	
A4.6	code enforcement	Increase monitoring and enforcement of City and County zoning and other regulations that preserve sensitive areas.	AF Focus Group meeting #1	Aug '19	Local government				
A4.7	clustered development	Incentivize cluster development, such as giving a 10-25% density bonus, to preserve more open space.	WSU	Jan '19	Local government		Construction companies/contractors		
A5: Manage fo	rests to sequester carbon.			•					
	T	Douglan a coordinated referentation/afferentation program Bogin by	Thurston Thrives	Jan '19	Local government, USFS	TCD (Forest RCPP)			
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.	Thurston mines						
A5.1 A5.2	reforestation & afforestation program community forests	identifying priority areas where reforestation and afforestation may have carbon reduction benefits. Expand extent of community forests that consider carbon sequestration in		Aug '19	3rd Party nonprofit, Thurston			Opportunity to learn from existing Nisqually Community Forest	Require extensive up front work with community to develop vision and plan -
		identifying priority areas where reforestation and afforestation may have carbon reduction benefits. Expand extent of community forests that consider carbon sequestration in their management goals. Mandate that timber companies lengthen the rotation of timber harvesting	TRPC		3rd Party nonprofit, Thurston County Thurston County, DNR	Weyerhauser	Farmers/ranchers	Opportunity to learn from existing Nisqually Community Forest	Require extensive up front work with community to develop vision and plan - funding would be needed for up front costs. Need to change the way carbon credits are awarded
A5.2	community forests	identifying priority areas where reforestation and afforestation may have carbon reduction benefits. Expand extent of community forests that consider carbon sequestration in their management goals. Mandate that timber companies lengthen the rotation of timber harvesting in Thurston County as part of their permits. Expand market-based approaches for ecosystem services such as carbon	TRPC	Aug '19	County	Weyerhauser	Farmers/ranchers	Opportunity to learn from existing Nisqually Community Forest	funding would be needed for up front costs.
A5.2 A5.3 A5.4	community forests	identifying priority areas where reforestation and afforestation may have carbon reduction benefits. Expand extent of community forests that consider carbon sequestration in their management goals. Mandate that timber companies lengthen the rotation of timber harvesting in Thurston County as part of their permits. Expand market-based approaches for ecosystem services such as carbon credit trading. As part of an educational/technical assistance program, promote species	TRPC TRPC	Aug '19 Jan '19	County Thurston County, DNR	Weyerhauser	Farmers/ranchers	Opportunity to learn from existing Nisqually Community Forest	funding would be needed for up front costs. Need to change the way carbon credits are awarded
A5.2 A5.3 A5.4 A5.5	community forests long-rotation timber ecosystem services monetization	identifying priority areas where reforestation and afforestation may have carbon reduction benefits. Expand extent of community forests that consider carbon sequestration in their management goals. Mandate that timber companies lengthen the rotation of timber harvesting in Thurston County as part of their permits. Expand market-based approaches for ecosystem services such as carbon credit trading. As part of an educational/technical assistance program, promote species mixes for reforestation or aforestation that result in high-density carbon sequestration. Deploy an educational program for smaller foresters to increase	TRPC TRPC WSU	Aug '19 Jan '19	County Thurston County, DNR TESC	Weyerhauser	Farmers/ranchers	Opportunity to learn from existing Nisqually Community Forest	funding would be needed for up front costs. Need to change the way carbon credits are awarded
A5.2 A5.3 A5.4	community forests long-rotation timber ecosystem services monetization species mix	identifying priority areas where reforestation and afforestation may have carbon reduction benefits. Expand extent of community forests that consider carbon sequestration in their management goals. Mandate that timber companies lengthen the rotation of timber harvesting in Thurston County as part of their permits. Expand market-based approaches for ecosystem services such as carbon credit trading. As part of an educational/technical assistance program, promote species mixes for reforestation or aforestation that result in high-density carbon sequestration.	TRPC WSU AF Focus Group meeting #1 AF Focus Group meeting #1	Aug '19 Jan '19	County Thurston County, DNR TESC DNR, NW Natural Resource Group	Weyerhauser	Farmers/ranchers	Opportunity to learn from existing Nisqually Community Forest	funding would be needed for up front costs. Need to change the way carbon credits are awarded

	T				1	T	I	
A5.8	slash-to-biochar	Seek grant funding to process slash to biochar and apply in forestry or agricultural settings. AF	Focus Group meeting #1		WSU extension commercial			
A5.9	slash-to-fuel	Seek grant funding to explore the feasibility of utilizing slash as fuel in forestry equipment at scale commercially.	Focus Group meeting #1		WSU extension commercial			
A5.10	laminated timber		Focus Group meeting #1		Local governments			
	carbon in the CAO	Authorize carbon as a justification for critical areas ordinance protection. AF	Focus Group meeting #1		Thurston County, Department of			
A5.11					Commerce			
A6: Reduce em	nissions from the urban landscape.					•		
A6.1	low-maintenance landscaping	Provide marketing and education campaign promoting the planting of low- maintenance landscaping to encourage more vegetation and tree canopy.	aptation Plan	Jan '19	Local governments	Thurston Conservation District		TCD and other Native Plant Sales
A6.2	street tree plan	Create a comprehensive street tree plan and/or planting guide that prioritizes goals for carbon sequestration, climate change resiliency, and other equitably distributed co-benefits. Plan should include minimum stocking standards for street trees.	scadia Consulting	Aug '19	Local governments	Thurston Conservation District		
A6.3	urban tree canopy incentive program	Develop partnership with organizations that offer financial incentives for expanding tree canopy in exchange for carbon credits purchased by businesses and other institutions.	aptation Plan	Jan '19	Local governments	nonprofits, neighborhoods, residents, property owners, K-12, Thurston Conservation District	Construction companies/contractors (?)	City Forest Credits in Seattle (https://www.cityforestcredits.org/) leading an effort to not just get more urban tree cover but create incentives for it. Could be an avenue that municipalities can use to at least make the effort break even? Seattle Free Tree Program Nature Conservancy Tree Planting Grants
A6.4	tree protection	Revaluate municipal tree protection ordinances based on a review of national best practices. AF	Focus Group meeting #1		Local governments		Construction companies/contractors (?)	
A6.5	municipally-controlled canopy		Focus Group meeting #1		Local governments			
A6.6	tree-aware zoning	Modify zoning setbacks and similar provisions designed to provide room for AF and encourage large trees.	Focus Group meeting #1		Local governments		Construction companies/contractors	
A6.7	adaptation	Educate City and County staff about low cost ways to adapt infrastructure to conform to the needs of growing trees, rather than removing the trees.	Focus Group meeting #1		Local governments			
A6.8	landscape regulation	Modify landscape development code requirements to direct the use of landscaping appropriate to the site that provides shade in summer/ sun in winter.			Local governments		Construction companies/contractors	
A6.9	Tree canopy ordinance	Develop a tree canopy ordinance that establishes a baseline for current urban canopy and sets goals for future canopy to increase cities' resilience. Combine direct cooling value (urban heat island mitigation) with carbon sequestration value when evaluating urban tree management.			Local governments		Construction companies/contractors	Low emission sector and regulatory action so medium to high impact.
A7: Increase ca	arbon sequestration in marine ecosystems.				<u>'</u>	•	•	
	marine vegetation	Understand current efforts and develop a plan to enhance the protection of Ada	aptation Plan	Jan '19	Thurston County, Puget Sound	nonprofits, neighborhoods,		Squaxin Island Tribe research/project in Oakland Bay; decisions around Capitol
A7.1	_	marine vegetation such as eelgrass to improve water quality, sequester, and	·		Partnership, DNR	residents, agricultural community,		Lake; USGS
		improve fish habitat and survival.				property owners		
	blue carbon	Research actions to implement blue carbon programs in Thurston County Pub	blic Survey		Thurston County, Puget Sound			
A7.2		aimed at sequestering carbon through the conservation and restoration of			Partnership			
		coastal and marine ecosystems.			1			

G Focus Area: CROSS-CUTTING (GENERAL)

Strategies

Conduct education and outreach across climate mitigation areas

32: Support a green local economy

G4: Enhance monitoring and evaluation of climate mitigation measures and outcome

G5: Advocate for climate-mitigating state and federal poli

tion ID#	short name	description	source	date added	implementor	potential partners	target stakeholders	opportunities	barriers
: Conduct e	ducation and outreach across climate mit	igation areas.							
G1.1	educational website	Develop user-friendly website and outreach materials to educate residents of the health and cost benefits of reducing GHG emissions in their lives and homes and resources on how to do it.		Aug '19	Other community partner				
G1.2	consumption (COMBINE WITH G1.5)	Develop and run community based social marketing program to reduce consumption and inform consumers about options for reducing their carbor footprint.	Thad Curtz	Sept '19	Local governments/other community partner			Lower thermostats, buy more fuel efficient vehicles, buy le allow grass to grow longer or even die, stop washing sidew	
G1.3	ClimeTime	Coordinate OSPI ClimeTime program with local government to bring youth into the feedback and planning process of developing climate mitigation programs and policy.	G Focus Group #1	Sep-19	OSPI/Local government				
G1.4	Career Connects	Set a target to increase the percentage of green jobs in the Career Connects WA program each year.	G Focus Group #1	Sep-19	State		workforce development		
G1.7	social research (COMBINE WITH G1.2)	Work with higher education institutions to research effective behavior change through marketing and educate. Use this information in developing campaigns to reduce high emissions GHGs.	G Focus Group #1	Sep-19	Higher education/Local government				
G1.9	staff training	Develop climate mitigation practices for government employees at work and require they be implemented. Set outcomes to measure effectiveness.	CAW	Oct-19	Local government				
: Support a	green local economy.	·				<u> </u>		·	
G2.1	clean energy economy	Set policy that requires recruitment and retention practices for clean energy economy companies.	TRPC	Jan '19	Local government, EDC		workforce development		
G2.2	sustainable businesses	Develop a green guide for area businesses and build award programs to reward implementation.	Cascadia Consulting	Aug '19	Local government, EDC, Cambers o Commerce	f			
G2.3	clean economy roundtables	Organize and facilitate roundtables with business leaders focused on clean economy strategies.	Cascadia Consulting	Aug '19	Local government				

	technical clearinghouse	Have TRPC or another entity function as a clearinghouse for government	G Focus Group #1	Sep-19	TRPC			
G2.4		regulations roadblocks to clean technology development.		100	1			
02		regulations roductions to death technology development.						
	cleantech park	Develop a "cleantech" business park and provide incentives (tax, utility) for			Local government, Port	rural communities		
G2.5	cleantech park	green business that co-locate.			Local government, Fort	Tural communities		
	Land Committee of the C		0.5	S	WITE II			
	training diversification	Work with the Workforce Training and Education Coordinating Board (WTB)	G Focus Group #1	Sep-19	WTB/Local government	workforce development		
G2.6		to ensure a wide variety of green jobs is part of the workforce training.						
G2.7	jobs leadership	Provide technical assistance to local businesses to generate green jobs and	G Focus Group #1	Sep-19	EDC			
G2.7		practices.						
G2: Fund clin	ate mitigation actions.							
GS. Tuliu cilii	ate mitigation actions.							
	tax benefits	Develop tax incentives for businesses that demonstrate GHG reductions in	G Focus Group #1	Sep-19	Local government			
G3.1		their production.						
	cost-sharing		G Focus Group #1	Sep-19	Local government, EDC			
G3.2		partner in sharing costs and expertise.		1				
	green energy bond	Develop a green energy bond providing a monetary incentive to tackle	G Focus Group #1	Sep-19	Local government		San Diego's- green energy bond?	
	green energy bond		a rocus group #1	3ep-19	Local government			
G3.3		prominent social issues such as climate change and a movement to					- Could be a model for other public entities for energy retrofits	
1		renewable sources of energy. Start by researching the feasibility and						
		impact.	0.5	5		+		
	crowdsourcing	Develop and launch a crowdsourcing platform (like "The Gamechanger")	G Focus Group #1	Sep-19	private entity			
		that allows entrepreneurs to submit green proposals for policies and						
G3.4		projects for local government and businesses and ideas to influence the						
1		future of energy and help to overcome a specific challenge.						
				<u> </u>				
C4. Full-au	monitoring and avaluation of discrete with the	- management and authorized						
G4: Enhance	monitoring and evaluation of climate mitigation	n measures and outcomes.						
	emissions inventory	Prepare and publish an annual emissions inventory that tracks greenhouse	TCAT	Aug '19	TRPC, TCAT	Thurston County, Lacey, Olympia,	TCAT has been producing regular emissions inventories using a comparable EPA	
1	· ·	gas emissions by jurisdiction and source category. Review and update			1 '	Tumwater, TCAT, others	methodology, and has past data entered into ClearPath.	
1		emissions inventory methodology as necessary to address improvements to				,		
G4.1		data or methodologies, improve consistency, incorporate changes to state						
		or federal policies, or report on issues of local interest.						
	+,							
	performance measures	Develop community GHG reduction goals and performance measures.			Local government, TCPC	low-income communities;		
G4.2		Regularly update and publicize for community to track their progress.				communities of color; rural		
				+		communities		
	other emission sources and sinks	Expand sources and sectors in future emissions inventories to inform future	Cascadia Consulting, TCAT	Aug '19	TRPC, TCAT		Review Cascadia and TCAT memos for suggestions on examples.	
G4.3	other emission sources and sinks	Expand sources and sectors in future emissions inventories to inform future regulatory policy to reduce GHG emissions. Connected to actions T1.5 and	Cascadia Consulting, TCAT	Aug '19	TRPC, TCAT		Review Cascadia and TCAT memos for suggestions on examples.	
G4.3	other emission sources and sinks		Cascadia Consulting, TCAT	Aug '19	TRPC, TCAT		Review Cascadia and TCAT memos for suggestions on examples.	
G4.3	other emission sources and sinks vulnerable populations	regulatory policy to reduce GHG emissions. Connected to actions T1.5 and W6.1, and sequestration actions.	Cascadia Consulting, TCAT Cascadia Consulting	Aug '19 Aug '19	TRPC, TCAT		Review Cascadia and TCAT memos for suggestions on examples.	
G4.3		regulatory policy to reduce GHG emissions. Connected to actions T1.5 and W6.1, and sequestration actions. Develop a data and monitoring mechanism that is specific to marginalized				communities of color; low-income	Review Cascadia and TCAT memos for suggestions on examples.	
G4.3 G4.4		regulatory policy to reduce GHG emissions. Connected to actions T1.5 and W6.1, and sequestration actions. Develop a data and monitoring mechanism that is specific to marginalized groups and their needs related to climate change and climate reality (e.g.,					Review Cascadia and TCAT memos for suggestions on examples.	
		regulatory policy to reduce GHG emissions. Connected to actions T1.5 and W6.1, and sequestration actions. 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				communities of color; low-income	Review Cascadia and TCAT memos for suggestions on examples.	
		regulatory policy to reduce GHG emissions. Connected to actions T1.5 and W6.1, and sequestration actions. 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				communities of color; low-income	Review Cascadia and TCAT memos for suggestions on examples.	
	vulnerable populations	regulatory policy to reduce GHG emissions. Connected to actions T1.5 and W6.1, and sequestration actions. 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.	Cascadia Consulting	Aug '19	TRPC	communities of color; low-income	Review Cascadia and TCAT memos for suggestions on examples.	
G4.4		regulatory policy to reduce GHG emissions. Connected to actions T1.5 and W6.1, and sequestration actions. 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. Develop and adopt policies that require the use of a "social cost of carbon	Cascadia Consulting			communities of color; low-income	Review Cascadia and TCAT memos for suggestions on examples.	
	vulnerable populations	regulatory policy to reduce GHG emissions. Connected to actions T1.5 and W6.1, and sequestration actions. 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. Develop and adopt policies that require the use of a "social cost of carbon measure" in zoning, development, construction, and transportation	Cascadia Consulting	Aug '19	TRPC	communities of color; low-income	Review Cascadia and TCAT memos for suggestions on examples.	
G4.4 G4.6	vulnerable populations social cost of carbon	regulatory policy to reduce GHG emissions. Connected to actions T1.5 and W6.1, and sequestration actions. 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. Develop and adopt policies that require the use of a "social cost of carbon measure" in zoning, development, construction, and transportation decisions.	Cascadia Consulting	Aug '19	TRPC	communities of color; low-income	Review Cascadia and TCAT memos for suggestions on examples.	
G4.4 G4.6	vulnerable populations	regulatory policy to reduce GHG emissions. Connected to actions T1.5 and W6.1, and sequestration actions. 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. Develop and adopt policies that require the use of a "social cost of carbon measure" in zoning, development, construction, and transportation decisions.	Cascadia Consulting	Aug '19	TRPC	communities of color; low-income	Review Cascadia and TCAT memos for suggestions on examples.	
G4.4 G4.6	vulnerable populations social cost of carbon for climate-mitigating state and federal policy.	regulatory policy to reduce GHG emissions. Connected to actions T1.5 and W6.1, and sequestration actions. 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. Develop and adopt policies that require the use of a "social cost of carbon measure" in zoning, development, construction, and transportation decisions.	Cascadia Consulting TCAT	Aug '19 Oct-19	TRPC Local government	communities of color; low-income	Review Cascadia and TCAT memos for suggestions on examples.	
G4.4 G4.6	vulnerable populations social cost of carbon	regulatory policy to reduce GHG emissions. Connected to actions T1.5 and W6.1, and sequestration actions. 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. Develop and adopt policies that require the use of a "social cost of carbon measure" in zoning, development, construction, and transportation decisions. Track, monitor and share information about Washington Utilities and	Cascadia Consulting	Aug '19	TRPC	communities of color; low-income	Review Cascadia and TCAT memos for suggestions on examples.	
G4.4 G4.6	vulnerable populations social cost of carbon for climate-mitigating state and federal policy.	regulatory policy to reduce GHG emissions. Connected to actions T1.5 and W6.1, and sequestration actions. 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. Develop and adopt policies that require the use of a "social cost of carbon measure" in zoning, development, construction, and transportation decisions. Track, monitor and share information about Washington Utilities and Transportation Commission (UTC) meeting and actively recruit residents to	Cascadia Consulting TCAT	Aug '19 Oct-19	TRPC Local government	communities of color; low-income	Review Cascadia and TCAT memos for suggestions on examples.	
G4.4 G4.6 G5: Advocate	vulnerable populations social cost of carbon for climate-mitigating state and federal policy.	regulatory policy to reduce GHG emissions. Connected to actions T1.5 and W6.1, and sequestration actions. 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. Develop and adopt policies that require the use of a "social cost of carbon measure" in zoning, development, construction, and transportation decisions. Track, monitor and share information about Washington Utilities and	Cascadia Consulting TCAT	Aug '19 Oct-19	TRPC Local government	communities of color; low-income	Review Cascadia and TCAT memos for suggestions on examples.	
G4.4 G4.6 G5: Advocate	vulnerable populations social cost of carbon for climate-mitigating state and federal policy. UTC presence	regulatory policy to reduce GHG emissions. Connected to actions T1.5 and W6.1, and sequestration actions. 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. Develop and adopt policies that require the use of a "social cost of carbon measure" in zoning, development, construction, and transportation decisions. Track, monitor and share information about Washington Utilities and Transportation Commission (UTC) meeting and actively recruit residents to give feedback and attend meetings to support bold GHG emission policy.	Cascadia Consulting TCAT G Focus Group #1	Aug '19 Oct-19 Sep-19	TRPC Local government NGOS	communities of color; low-income communities; rural communities	Review Cascadia and TCAT memos for suggestions on examples.	
G4.4 G4.6 G5: Advocate	vulnerable populations social cost of carbon for climate-mitigating state and federal policy.	regulatory policy to reduce GHG emissions. Connected to actions T1.5 and W6.1, and sequestration actions. 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. Develop and adopt policies that require the use of a "social cost of carbon measure" in zoning, development, construction, and transportation decisions. Track, monitor and share information about Washington Utilities and Transportation Commission (UTC) meeting and actively recruit residents to give feedback and attend meetings to support bold GHG emission policy. Add as a high priority to municipality's legislative agenda - State-level	Cascadia Consulting TCAT	Aug '19 Oct-19	TRPC Local government	communities of color; low-income communities; rural communities construction companies/	Review Cascadia and TCAT memos for suggestions on examples.	
G4.4 G4.6 G5: Advocate	vulnerable populations social cost of carbon for climate-mitigating state and federal policy. UTC presence	regulatory policy to reduce GHG emissions. Connected to actions T1.5 and W6.1, and sequestration actions. 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. Develop and adopt policies that require the use of a "social cost of carbon measure" in zoning, development, construction, and transportation decisions. Track, monitor and share information about Washington Utilities and Transportation Commission (UTC) meeting and actively recruit residents to give feedback and attend meetings to support bold GHG emission policy. Add as a high priority to municipality's legislative agenda - State-level amendments to State building code requiring solar-ready construction.	Cascadia Consulting TCAT G Focus Group #1	Aug '19 Oct-19 Sep-19	TRPC Local government NGOS	communities of color; low-income communities; rural communities	Review Cascadia and TCAT memos for suggestions on examples.	
G4.4 G4.6 G5: Advocate	vulnerable populations social cost of carbon for climate-mitigating state and federal policy. UTC presence	regulatory policy to reduce GHG emissions. Connected to actions T1.5 and W6.1, and sequestration actions. 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. Develop and adopt policies that require the use of a "social cost of carbon measure" in zoning, development, construction, and transportation decisions. Track, monitor and share information about Washington Utilities and Transportation Commission (UTC) meeting and actively recruit residents to give feedback and attend meetings to support bold GHG emission policy. 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	Cascadia Consulting TCAT G Focus Group #1	Aug '19 Oct-19 Sep-19	TRPC Local government NGOS	communities of color; low-income communities; rural communities construction companies/	Review Cascadia and TCAT memos for suggestions on examples.	
G4.4 G4.6 G5: Advocate G5.1	vulnerable populations social cost of carbon for climate-mitigating state and federal policy. UTC presence	regulatory policy to reduce GHG emissions. Connected to actions T1.5 and W6.1, and sequestration actions. 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. Develop and adopt policies that require the use of a "social cost of carbon measure" in zoning, development, construction, and transportation decisions. Track, monitor and share information about Washington Utilities and Transportation Commission (UTC) meeting and actively recruit residents to give feedback and attend meetings to support bold GHG emission policy. Add as a high priority to municipality's legislative agenda - State-level amendments to State building code requiring solar-ready construction.	Cascadia Consulting TCAT G Focus Group #1	Aug '19 Oct-19 Sep-19	TRPC Local government NGOS	communities of color; low-income communities; rural communities construction companies/	Review Cascadia and TCAT memos for suggestions on examples.	
G4.4 G4.6 G5: Advocate G5.1	vulnerable populations social cost of carbon for climate-mitigating state and federal policy. UTC presence	regulatory policy to reduce GHG emissions. Connected to actions T1.5 and W6.1, and sequestration actions. 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. Develop and adopt policies that require the use of a "social cost of carbon measure" in zoning, development, construction, and transportation decisions. Track, monitor and share information about Washington Utilities and Transportation Commission (UTC) meeting and actively recruit residents to give feedback and attend meetings to support bold GHG emission policy. 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.	Cascadia Consulting TCAT G Focus Group #1	Aug '19 Oct-19 Sep-19	TRPC Local government NGOS	communities of color; low-income communities; rural communities construction companies/	Review Cascadia and TCAT memos for suggestions on examples.	
G4.4 G4.6 G5: Advocate G5.1	vulnerable populations social cost of carbon for climate-mitigating state and federal policy. UTC presence solar-ready building code	regulatory policy to reduce GHG emissions. Connected to actions T1.5 and W6.1, and sequestration actions. 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. Develop and adopt policies that require the use of a "social cost of carbon measure" in zoning, development, construction, and transportation decisions. Track, monitor and share information about Washington Utilities and Transportation Commission (UTC) meeting and actively recruit residents to give feedback and attend meetings to support bold GHG emission policy. 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.	Cascadia Consulting TCAT G Focus Group #1 CAW	Aug '19 Oct-19 Sep-19 Oct-19	TRPC Local government NGOS Local government/AWC	communities of color; low-income communities; rural communities construction companies/ contractors; realtors	Review Cascadia and TCAT memos for suggestions on examples.	
G4.4 G4.6 G5: Advocate G5.1 G5.2	vulnerable populations social cost of carbon for climate-mitigating state and federal policy. UTC presence solar-ready building code	regulatory policy to reduce GHG emissions. Connected to actions T1.5 and W6.1, and sequestration actions. 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. Develop and adopt policies that require the use of a "social cost of carbon measure" in zoning, development, construction, and transportation decisions. Track, monitor and share information about Washington Utilities and Transportation Commission (UTC) meeting and actively recruit residents to give feedback and attend meetings to support bold GHG emission policy. 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. Add as a high priority to municipality's legislative agenda - State Building Council and State Legislature to require net-zero energy use in all new	Cascadia Consulting TCAT G Focus Group #1 CAW	Aug '19 Oct-19 Sep-19 Oct-19	TRPC Local government NGOS Local government/AWC	communities of color; low-income communities; rural communities construction companies/ contractors; realtors	Review Cascadia and TCAT memos for suggestions on examples.	
G4.4 G4.6 G5: Advocate G5.1	vulnerable populations social cost of carbon for climate-mitigating state and federal policy. UTC presence solar-ready building code	regulatory policy to reduce GHG emissions. Connected to actions T1.5 and W6.1, and sequestration actions. 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. Develop and adopt policies that require the use of a "social cost of carbon measure" in zoning, development, construction, and transportation decisions. Track, monitor and share information about Washington Utilities and Transportation Commission (UTC) meeting and actively recruit residents to give feedback and attend meetings to support bold GHG emission policy. 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. Add as a high priority to municipality's legislative agenda - State Building Council and State Legislature to require net-zero energy use in all new buildings by the 2031 residential code cycle and amendments to State	Cascadia Consulting TCAT G Focus Group #1 CAW	Aug '19 Oct-19 Sep-19 Oct-19	TRPC Local government NGOS Local government/AWC	communities of color; low-income communities; rural communities construction companies/ contractors; realtors	Review Cascadia and TCAT memos for suggestions on examples.	
G4.4 G4.6 G5: Advocate G5.1 G5.2	vulnerable populations social cost of carbon for climate-mitigating state and federal policy. UTC presence solar-ready building code	regulatory policy to reduce GHG emissions. Connected to actions T1.5 and W6.1, and sequestration actions. 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. Develop and adopt policies that require the use of a "social cost of carbon measure" in zoning, development, construction, and transportation decisions. Track, monitor and share information about Washington Utilities and Transportation Commission (UTC) meeting and actively recruit residents to give feedback and attend meetings to support bold GHG emission policy. 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. Add as a high priority to municipality's legislative agenda - State Building Council and State Legislature to require net-zero energy use in all new buildings by the 2031 residential code cycle and amendments to State building code each 3-year cycle to meet that goal. Work with other cities to	Cascadia Consulting TCAT G Focus Group #1 CAW	Aug '19 Oct-19 Sep-19 Oct-19	TRPC Local government NGOS Local government/AWC	communities of color; low-income communities; rural communities construction companies/ contractors; realtors	Review Cascadia and TCAT memos for suggestions on examples.	
G4.4 G4.6 G5: Advocate G5.1 G5.2	vulnerable populations social cost of carbon for climate-mitigating state and federal policy. UTC presence solar-ready building code net-zero building code	regulatory policy to reduce GHG emissions. Connected to actions T1.5 and W6.1, and sequestration actions. 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. Develop and adopt policies that require the use of a "social cost of carbon measure" in zoning, development, construction, and transportation decisions. Track, monitor and share information about Washington Utilities and Transportation Commission (UTC) meeting and actively recruit residents to give feedback and attend meetings to support bold GHG emission policy. 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. Add as a high priority to municipality's legislative agenda - State Building Council and State Legislature to require net-zero energy use in all new buildings by the 2031 residential code cycle and amendments to State building code each 3-year cycle to meet that goal. Work with other cities to add this to the AWC priorities.	Cascadia Consulting TCAT G Focus Group #1 CAW	Aug '19 Oct-19 Sep-19 Oct-19 Oct-19	TRPC Local government NGOS Local government/AWC Local government/AWC	communities of color; low-income communities; rural communities construction companies/ contractors; realtors construction companies/ contractors; realtors	Review Cascadia and TCAT memos for suggestions on examples.	
G4.4 G4.6 G5: Advocate G5.1 G5.2 G5.3	vulnerable populations social cost of carbon for climate-mitigating state and federal policy. UTC presence solar-ready building code	regulatory policy to reduce GHG emissions. Connected to actions T1.5 and W6.1, and sequestration actions. 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. Develop and adopt policies that require the use of a "social cost of carbon measure" in zoning, development, construction, and transportation decisions. Track, monitor and share information about Washington Utilities and Transportation Commission (UTC) meeting and actively recruit residents to give feedback and attend meetings to support bold GHG emission policy. 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. Add as a high priority to municipality's legislative agenda - State Building Council and State Legislature to require net-zero energy use in all new buildings ode each 3-year cycle to meet that goal. Work with other cities to add this to the AWC priorities. Add as a high priority to municipality's legislative agenda - State and	Cascadia Consulting TCAT G Focus Group #1 CAW	Aug '19 Oct-19 Sep-19 Oct-19	TRPC Local government NGOS Local government/AWC	construction companies/ construction companies/ contractors; realtors construction companies/ contractors; realtors	Review Cascadia and TCAT memos for suggestions on examples.	
G4.4 G4.6 G5: Advocate G5.1 G5.2	vulnerable populations social cost of carbon for climate-mitigating state and federal policy. UTC presence solar-ready building code net-zero building code	regulatory policy to reduce GHG emissions. Connected to actions T1.5 and W6.1, and sequestration actions. 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. Develop and adopt policies that require the use of a "social cost of carbon measure" in zoning, development, construction, and transportation decisions. Track, monitor and share information about Washington Utilities and Transportation Commission (UTC) meeting and actively recruit residents to give feedback and attend meetings to support bold GHG emission policy. 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. Add as a high priority to municipality's legislative agenda - State Building Council and State Legislature to require net-zero energy use in all new buildings by the 2031 residential code cycle and amendments to State building code each 3-year cycle to meet that goal. Work with other cities to add this to the AWC priorities. Add as a high priority to municipality's legislative agenda - State and Utilities and Transportation Commission in implementing SB 5116, which	Cascadia Consulting TCAT G Focus Group #1 CAW	Aug '19 Oct-19 Sep-19 Oct-19 Oct-19	TRPC Local government NGOS Local government/AWC Local government/AWC	construction companies/ constructors; realtors construction companies/ contractors; realtors	Review Cascadia and TCAT memos for suggestions on examples.	
G4.4 G4.6 G5: Advocate G5.1 G5.2 G5.3	vulnerable populations social cost of carbon for climate-mitigating state and federal policy. UTC presence solar-ready building code net-zero building code utility advocacy	regulatory policy to reduce GHG emissions. Connected to actions T1.5 and W6.1, and sequestration actions. 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. Develop and adopt policies that require the use of a "social cost of carbon measure" in zoning, development, construction, and transportation decisions. Track, monitor and share information about Washington Utilities and Transportation Commission (UTC) meeting and actively recruit residents to give feedback and attend meetings to support bold GHG emission policy. 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. Add as a high priority to municipality's legislative agenda - State Building Council and State Legislature to require net-zero energy use in all new buildings by the 2031 residential code cycle and amendments to State building code each 3-year cycle to meet that goal. Work with other cities to add this to the AWC priorities. Add as a high priority to municipality's legislative agenda - State and Utilities and Transportation Commission in implementing SB 5116, which requires a shift to clean electricity.	Cascadia Consulting TCAT G Focus Group #1 CAW CAW	Aug '19 Oct-19 Sep-19 Oct-19 Oct-19	TRPC Local government NGOS Local government/AWC Local government/AWC	construction companies/ construction companies/ contractors; realtors construction companies/ contractors; realtors	Review Cascadia and TCAT memos for suggestions on examples.	
G4.4 G4.6 G5: Advocate G5.1 G5.2 G5.3	vulnerable populations social cost of carbon for climate-mitigating state and federal policy. UTC presence solar-ready building code net-zero building code	regulatory policy to reduce GHG emissions. Connected to actions T1.5 and W6.1, and sequestration actions. 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. Develop and adopt policies that require the use of a "social cost of carbon measure" in zoning, development, construction, and transportation decisions. Track, monitor and share information about Washington Utilities and Transportation Commission (UTC) meeting and actively recruit residents to give feedback and attend meetings to support bold GHG emission policy. 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. Add as a high priority to municipality's legislative agenda - State Building Council and State Legislature to require net-zero energy use in all new buildings by the 2031 residential code cycle and amendments to State building code each 3-year cycle to meet that goal. Work with other cities to add this to the AWC priorities. Add as a high priority to municipality's legislative agenda - State and Utilities and Transportation Commission in implementing SB 5116, which requires a shift to clean electricity. Prioritize combating climate change in the municipality's legislative agenda	Cascadia Consulting TCAT G Focus Group #1 CAW CAW	Aug '19 Oct-19 Sep-19 Oct-19 Oct-19	TRPC Local government NGOS Local government/AWC Local government/AWC	construction companies/ constructors; realtors construction companies/ contractors; realtors	Review Cascadia and TCAT memos for suggestions on examples.	
G4.4 G4.6 G5: Advocate G5.1 G5.2 G5.3	vulnerable populations social cost of carbon for climate-mitigating state and federal policy. UTC presence solar-ready building code net-zero building code utility advocacy	regulatory policy to reduce GHG emissions. Connected to actions T1.5 and W6.1, and sequestration actions. 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. Develop and adopt policies that require the use of a "social cost of carbon measure" in zoning, development, construction, and transportation decisions. Track, monitor and share information about Washington Utilities and Transportation Commission (UTC) meeting and actively recruit residents to give feedback and attend meetings to support bold GHG emission policy. 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. Add as a high priority to municipality's legislative agenda - State Building Council and State Legislature to require net-zero energy use in all new buildings ode each 3-year cycle to meet that goal. Work with other cities to add this to the AWC priorities. Add as a high priority to municipality's legislative agenda - State and Utilities and Transportation Commission in implementing SB 5116, which requires a shift to clean electricity. Prioritize combating climate change in the municipality's legislative agenda each year. Instruct municipal lobbyist to track and report on climate bills,	Cascadia Consulting TCAT G Focus Group #1 CAW CAW	Aug '19 Oct-19 Sep-19 Oct-19 Oct-19	TRPC Local government NGOS Local government/AWC Local government/AWC	construction companies/ constructors; realtors construction companies/ contractors; realtors	Review Cascadia and TCAT memos for suggestions on examples.	
G4.4 G4.6 G5: Advocate G5.1 G5.2 G5.3	vulnerable populations social cost of carbon for climate-mitigating state and federal policy. UTC presence solar-ready building code net-zero building code utility advocacy	regulatory policy to reduce GHG emissions. Connected to actions T1.5 and W6.1, and sequestration actions. 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. Develop and adopt policies that require the use of a "social cost of carbon measure" in zoning, development, construction, and transportation decisions. Track, monitor and share information about Washington Utilities and Transportation Commission (UTC) meeting and actively recruit residents to give feedback and attend meetings to support bold GHG emission policy. 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. Add as a high priority to municipality's legislative agenda - State Building Council and State Legislature to require net-zero energy use in all new buildings by the 2031 residential code cycle and amendments to State building code each 3-year cycle to meet that goal. Work with other cities to add this to the AWC priorities. Add as a high priority to municipality's legislative agenda - State and Utilities and Transportation Commission in implementing SB 5116, which requires a shift to clean electricity. Prioritize combating climate change in the municipality's legislative agenda ach year, Instruct municipal lobbyist to track and report on climate bills, and to advocate for those bills that will help reduce local emissions. Work	Cascadia Consulting TCAT G Focus Group #1 CAW CAW	Aug '19 Oct-19 Sep-19 Oct-19 Oct-19	TRPC Local government NGOS Local government/AWC Local government/AWC	construction companies/ constructors; realtors construction companies/ contractors; realtors	Review Cascadia and TCAT memos for suggestions on examples.	
G4.4 G4.6 G5: Advocate G5.1 G5.2 G5.3	vulnerable populations social cost of carbon for climate-mitigating state and federal policy. UTC presence solar-ready building code net-zero building code utility advocacy	regulatory policy to reduce GHG emissions. Connected to actions T1.5 and W6.1, and sequestration actions. 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. Develop and adopt policies that require the use of a "social cost of carbon measure" in zoning, development, construction, and transportation decisions. Track, monitor and share information about Washington Utilities and Transportation Commission (UTC) meeting and actively recruit residents to give feedback and attend meetings to support bold GHG emission policy. 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. Add as a high priority to municipality's legislative agenda - State Building Council and State Legislature to require net-zero energy use in all new buildings ode each 3-year cycle to meet that goal. Work with other cities to add this to the AWC priorities. Add as a high priority to municipality's legislative agenda - State and Utilities and Transportation Commission in implementing SB 5116, which requires a shift to clean electricity. Prioritize combating climate change in the municipality's legislative agenda each year. Instruct municipal lobbyist to track and report on climate bills,	Cascadia Consulting TCAT G Focus Group #1 CAW CAW	Aug '19 Oct-19 Sep-19 Oct-19 Oct-19	TRPC Local government NGOS Local government/AWC Local government/AWC	construction companies/ constructors; realtors construction companies/ contractors; realtors	Review Cascadia and TCAT memos for suggestions on examples.	
G4.4 G4.6 G5: Advocate G5.1 G5.2 G5.3	vulnerable populations social cost of carbon for climate-mitigating state and federal policy. UTC presence solar-ready building code net-zero building code utility advocacy	regulatory policy to reduce GHG emissions. Connected to actions T1.5 and W6.1, and sequestration actions. 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. Develop and adopt policies that require the use of a "social cost of carbon measure" in zoning, development, construction, and transportation decisions. Track, monitor and share information about Washington Utilities and Transportation Commission (UTC) meeting and actively recruit residents to give feedback and attend meetings to support bold GHG emission policy. 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. Add as a high priority to municipality's legislative agenda - State Building Council and State Legislature to require net-zero energy use in all new buildings by the 2031 residential code cycle and amendments to State building code each 3-year cycle to meet that goal. Work with other cities to add this to the AWC priorities. Add as a high priority to municipality's legislative agenda - State and Utilities and Transportation Commission in implementing SB 5116, which requires a shift to clean electricity. Prioritize combating climate change in the municipality's legislative agenda each year. Instruct municipal lobbyist to track and report on climate bills, and to advocate for those bills that will help reduce local emissions. Work with other cities to add this to the AWC priorities.	Cascadia Consulting TCAT G Focus Group #1 CAW CAW	Aug '19 Oct-19 Sep-19 Oct-19 Oct-19	TRPC Local government NGOS Local government/AWC Local government/AWC Local government Local government	construction companies/ constructors; realtors construction companies/ contractors; realtors	Review Cascadia and TCAT memos for suggestions on examples.	
G4.4 G4.6 G5: Advocate G5.1 G5.2 G5.3 G5.4	vulnerable populations social cost of carbon for climate-mitigating state and federal policy. UTC presence solar-ready building code net-zero building code utility advocacy	regulatory policy to reduce GHG emissions. Connected to actions T1.5 and W6.1, and sequestration actions. 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. Develop and adopt policies that require the use of a "social cost of carbon measure" in zoning, development, construction, and transportation decisions. Track, monitor and share information about Washington Utilities and Transportation Commission (UTC) meeting and actively recruit residents to give feedback and attend meetings to support bold GHG emission policy. 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. Add as a high priority to municipality's legislative agenda - State Building Council and State Legislature to require net-zero energy use in all new buildings by the 2031 residential code cycle and amendments to State building code each 3-year cycle to meet that goal. Work with other cities to add this to the AWC priorities. Add as a high priority to municipality's legislative agenda - State and Utilities and Transportation Commission in implementing SB 5116, which requires a shift to clean electricity. Prioritize combating climate change in the municipality's legislative agenda ach year, Instruct municipal lobbyist to track and report on climate bills, and to advocate for those bills that will help reduce local emissions. Work	Cascadia Consulting TCAT G Focus Group #1 CAW CAW	Aug '19 Oct-19 Sep-19 Oct-19 Oct-19	TRPC Local government NGOS Local government/AWC Local government/AWC	construction companies/ constructors; realtors construction companies/ contractors; realtors	Review Cascadia and TCAT memos for suggestions on examples.	
G4.4 G4.6 G5: Advocate G5.1 G5.2 G5.3	vulnerable populations social cost of carbon for climate-mitigating state and federal policy. UTC presence solar-ready building code net-zero building code utility advocacy	regulatory policy to reduce GHG emissions. Connected to actions T1.5 and W6.1, and sequestration actions. 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. Develop and adopt policies that require the use of a "social cost of carbon measure" in zoning, development, construction, and transportation decisions. Track, monitor and share information about Washington Utilities and Transportation Commission (UTC) meeting and actively recruit residents to give feedback and attend meetings to support bold GHG emission policy. 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. Add as a high priority to municipality's legislative agenda - State Building Council and State Legislature to require net-zero energy use in all new buildings by the 2031 residential code cycle and amendments to State building code each 3-year cycle to meet that goal. Work with other cities to add this to the AWC priorities. Add as a high priority to municipality's legislative agenda - State and Utilities and Transportation Commission in implementing SB 5116, which requires a shift to clean electricity. Prioritize combating climate change in the municipality's legislative agenda each year. Instruct municipal lobbyist to track and report on climate bills, and to advocate for those bills that will help reduce local emissions. Work with other cities to add this to the AWC priorities.	Cascadia Consulting TCAT G Focus Group #1 CAW CAW	Aug '19 Oct-19 Sep-19 Oct-19 Oct-19	TRPC Local government NGOS Local government/AWC Local government/AWC Local government Local government	construction companies/ constructors; realtors construction companies/ contractors; realtors	Review Cascadia and TCAT memos for suggestions on examples.	
G4.4 G4.6 G5: Advocate G5.1 G5.2 G5.3 G5.4	vulnerable populations social cost of carbon for climate-mitigating state and federal policy. UTC presence solar-ready building code net-zero building code utility advocacy	regulatory policy to reduce GHG emissions. Connected to actions T1.5 and W6.1, and sequestration actions. 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. Develop and adopt policies that require the use of a "social cost of carbon measure" in zoning, development, construction, and transportation decisions. Track, monitor and share information about Washington Utilities and Transportation Commission (UTC) meeting and actively recruit residents to give feedback and attend meetings to support bold GHG emission policy. 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. Add as a high priority to municipality's legislative agenda - State Building Council and State Legislature to require net-zero energy use in all new buildings by the 2031 residential code cycle and amendments to State building code each 3-year cycle to meet that goal. Work with other cities to add this to the AWC priorities. Add as a high priority to municipality's legislative agenda - State and Utilities and Transportation Commission in implementing SB 5116, which requires a shift to clean electricity. Prioritize combating climate change in the municipality's legislative agenda each year. Instruct municipal lobbyist to track and report on climate bills, and to advocate for those bills that will help reduce local emissions. Work with other cities to add this to the AWC priorities.	Cascadia Consulting TCAT G Focus Group #1 CAW CAW	Aug '19 Oct-19 Sep-19 Oct-19 Oct-19	TRPC Local government NGOS Local government/AWC Local government/AWC Local government Local government	construction companies/ constructors; realtors construction companies/ contractors; realtors	Review Cascadia and TCAT memos for suggestions on examples.	