

Topic	City ops	City law/code	City educates/	City partners to lobby state/feds	City partners for collective action	Partners lead, city participates	2 years	4 years	6 years	8 years	10 years
Gray boxes pre-filled prior to mtg / Green boxes suggested by CAPC							Number of CAPC member "checks"				
Building Energy and Efficiency Strategies											
Adopt a commercial and residential building energy score program							8				
Implement a Property Assessment for Clean Energy Program (PACE)							8				
Revise regulations to encourage multifamily energy efficiency upgrades									7		
Develop community solar project hosted at a City facility								1	7		
Advocate for more efficient state building energy codes							7				
Encourage the development of micro-grids and energy storage systems								7			
Vehicle Fleets and Fuels											
Align and justify light fleet use with true needs							1	1			
Identify and replace least efficient vehicles in light fleet with most efficient vehicles							1	2			
Convert diesel-powered heavy fleet vehicles to low carbon fuels								2			
Incentivize multi-family complexes to install electric vehicle (EV) charging infrastructure							1		1		
Incentivize workplace charging in parking lots							1		1		
Support outreach efforts to encourage shift to EVs							2				
Work with partners to develop micro-transit from park-and-ride or light rail station to local destinations							2				
Work with school district, waste haulers and waste water agency on fleet transition								1			1
Land Use and Transportation Planning											
Partner with Metro and TriMet to increase bus service, particularly to underserved employment areas							1	1			
Implement a Transportation Management Agency (TMA) with area partners								2			
Incentivize employers to encourage active transportation								2			
Implement parking pricing in downtown							2				
Implement "EV ready" zoning regulations							1	1			
Lower parking ratios near high capacity corridors							1	1			
Implement variable system development charges to encourage accessory dwelling unit development							3				
Continue to promote a "fee in lieu of" for areas outside of pedestrian corridors; redirect funds to corridors that do							3				
Promote "neighborhood hubs" through Comprehensive Plan policies							3				
Materials Purchasing, Use and Recovery											

Promote the repair of equipment and materials and buy used and durable before purchasing new							6				
Public Works to use less impactful pavement alternatives							5				
Provide education and outreach to avoid edible food waste							6				
Promote existing food waste composting services							5				
Showcase materials management practices with a demonstration project								5			
Use mulch and compost in landscaping							3				
Public Health and Emergency Preparedness											
Work with the Federal Emergency Management Agency (FEMA) to update flood plain maps							3				
Work with partners to support community outreach about how to reduce fire and flood risk							1	1			
Plan for cooling and air quality relief centers								1	1		
Promote more sophisticated home air filtration systems								1		1	
Right-size emergency response system							1				
Natural Resources											
City to develop a comprehensive tree canopy program with the Tree Board							4				
City to identify sewer and waterways vulnerable to flooding								2			
City to adjust code to require on-site stormwater storage and water filtration before release							1	1	1		
City to develop a new stormwater masterplan							1	1			
City to introduce more monitoring stations to protect well-heads								2	1		
City to review intergovernmental water agreements							4	1			
City to develop a potable water re-use plan							1	1	1		

Community-Level Strategy Feedback

Building Energy and Efficiency Strategies	Specific Feedback
Adopt a commercial and residential building energy score program	<ul style="list-style-type: none"> • Recommend one, e.g. copy Portland
Implement a Property Assessment for Clean Energy Program (PACE)	<ul style="list-style-type: none"> • Add “RFP for commercial partners” • Will require more information • YGRENE?
Revise regulations to encourage multifamily energy efficiency upgrades	<ul style="list-style-type: none"> • “Create program to facilitate multifamily energy efficiency upgrades” • “Incentivize property owners to...”
Develop community solar project hosted at a City facility	<ul style="list-style-type: none"> • Remove “hosted at a City facility” • Include large commercial facilities • Could be easy with partners
Advocate for more efficient state building energy codes	<ul style="list-style-type: none"> • Specify “energy <u>efficiency</u> codes” • Declaration? Power of Council?
Encourage the development of micro-grids and energy storage systems	<ul style="list-style-type: none"> • Change to “Develop micro-grids and energy storage systems” • This ties in with PGE Demand Response program. See addition below. • “in conjunction with renewables” • Handful of ideal target sites we can name?
<i>Suggested additions</i>	<ul style="list-style-type: none"> • ADD: “Community-wide participation in PGE Demand Response programs.” • ADD: “Highlight large customer efficiency improvements.” Leads to cogeneration of other cutting-edge efficiency innovations • ADD: monetize carbon offsets? Permeable paving/cool roof? • Cities could utilize incentives for owners of older building to upgrade to energy efficiency programs <ul style="list-style-type: none"> ○ Regulation to revisit building codes every so often (time TBD) ○ Opportunities to support collective action in multi-family buildings • Work with industrial and large commercial employers to reduce energy use and convert to renewables
<i>Remaining questions</i>	<ul style="list-style-type: none"> • What power/authority does the city have? Can we go to PGE and say we want his type of power in the City of Milwaukie? <ul style="list-style-type: none"> ○ Municipalities should advocate for energy programs or utilize a hook of some sort (i.e. health risks to revive building codes)
Vehicle Fleets and Fuels	Specific Feedback

Align and justify light fleet use with true needs	<ul style="list-style-type: none"> Combine with second strategy: "Optimize light duty fleet and replace least efficient vehicles with most efficient vehicles."
Identify and replace least efficient vehicles in light fleet with most efficient vehicles	<ul style="list-style-type: none"> Remove "identify"
Convert diesel-powered heavy fleet vehicles to low carbon fuels	<ul style="list-style-type: none"> Change "low carbon fuels" to "biodiesel or renewable fuels"
Incentivize multi-family complexes to install electric vehicle (EV) charging infrastructure	<ul style="list-style-type: none"> "<u>Create program to install EV charging infrastructure at multi-family complexes</u>" If you rent, you probably can't afford an EV
Incentivize workplace charging in parking lots	
Support outreach efforts to encourage shift to EVs	
Work with partners to develop micro-transit from park-and-ride or light rail station to local destinations	<ul style="list-style-type: none"> Work with County? Define partners
Work with school district, waste haulers and waste water agency on fleet transition	
<i>Suggested additions</i>	<ul style="list-style-type: none"> ADD: "Advocate for Corporate Average Fuel Economy (CAFÉ) standards" ADD: car share program ADD: bike share program
<i>Remaining questions</i>	<ul style="list-style-type: none"> Does the school district qualify for low/no grants?
Land Use and Transportation Planning	Specific Feedback
Partner with Metro and TriMet to increase bus service, particularly to underserved employment areas	<ul style="list-style-type: none"> Change from "bus service" to "transit service" Reference "micro-transit"
Implement a Transportation Management Agency (TMA) with area partners	
Incentivize employers to encourage active transportation	<ul style="list-style-type: none"> Does this include transit?
Implement parking pricing in downtown	<ul style="list-style-type: none"> Add "<u>and encourage large employers to implement paid parking on private lots</u>"
Implement "EV ready" zoning regulations	<ul style="list-style-type: none"> Clarify meaning. Does this mean providing EV parking? Conduits? Larger spaces for equipment?
Lower parking ratios near high capacity corridors	
Implement variable system development charges to encourage accessory dwelling unit development	
Continue to promote a "fee in lieu of" for areas outside of pedestrian corridors; redirect funds to corridors that do	

Promote “neighborhood hubs” through Comprehensive Plan policies	<ul style="list-style-type: none"> • Define neighborhood hubs
<i>Suggested additions</i>	<ul style="list-style-type: none"> • Promote narrower streets to slow traffic and increase pedestrian/bike safety • Implement a bike share program • Safe routes to school • Reduce minimum and maximum parking ratios • Create an active transportation plan • Allow more missing middle housing types (already pursuing through comp plan)
<i>Remaining questions</i>	<ul style="list-style-type: none"> • Are we capturing the benefits from the Cities \$80 million, 9-year SAFE program? Our City-wide program for pedestrian and bike friendly infrastructure to make the community more walkable and bikeable. We are starting construction on projects in this program this summer/fall. • How can we as a city better encourage employees to walk/bike? <ul style="list-style-type: none"> ○ More bike racks/lockers ○ Shower facilities ○ Require more bike parking if allow less vehicle parking
Materials Purchasing, Use and Recovery	Specific Feedback
Promote the repair of equipment and materials and buy used and durable before purchasing new	<ul style="list-style-type: none"> • Add: tool library @ community level
Public Works to use less impactful pavement alternatives	<ul style="list-style-type: none"> • Give examples, e.g. slag, fly ash
Provide education and outreach to avoid edible food waste	<ul style="list-style-type: none"> • Add: “<u>and food donation</u>” • Add: “getting usable food out of waste stream from groceries and restaurants”
Promote existing food waste composting services	
Showcase materials management practices with a demonstration project	<ul style="list-style-type: none"> • Use Ledding Library as the demonstration project
Use mulch and compost in landscaping	<ul style="list-style-type: none"> • Specify “for City operations” • Add “<u>for construction sediment control in City operations</u>”
<i>Suggested additions</i>	<ul style="list-style-type: none"> • Build off what Metro is already doing to leverage resources/action (e.g. food waste reduction) • Promote better recycling habits • Tool libraries • Offer incentives or decommission garbage disposals

Public Health and Emergency Preparedness	Specific Feedback
Work with the Federal Emergency Management Agency (FEMA) to update flood plain maps	<ul style="list-style-type: none"> • Maps should have been updated yesterday; top priority and other work is predicated on this
Work with partners to support community outreach about how to reduce fire and flood risk	<ul style="list-style-type: none"> • Is this enough? Consider “incentivize retraction from fire risk zones/flood risk zones” • Need to identify who this could be, e.g. partners sharing county resources
Plan for cooling and air quality relief centers	
Promote more sophisticated home air filtration systems	<ul style="list-style-type: none"> • Create incentives for? • Could this be tackled through law/code?
Right-size emergency response system	<ul style="list-style-type: none"> • What does “right size” mean? Send the appropriately sized emergency vehicles
<i>Suggested additions</i>	<ul style="list-style-type: none"> • Distributed energy resources (bridges multiple topics) • Addressing disease vectors (mosquitos, rats, ticks) • Creative ways to show risk zones, e.g. signs demarking flood zones
<i>Outstanding questions</i>	<ul style="list-style-type: none"> • Can we solicit letters of support from partner organizations?
Natural Resources	Specific Feedback
City to develop a comprehensive tree canopy program with the Tree Board	<ul style="list-style-type: none"> • Rephrase: “City, with Tree Board, to develop a tree planting program and avoid needless canopy reduction through an improved tree ordinance.” • Define what the Tree Board is • Capture small mitigation benefit: <ul style="list-style-type: none"> ○ “Foster urban forest growth to achieve 40% aerial canopy coverage by 2040 and sustain that level through time.” • Reference Urban Forestry Plan (currently in Draft form) <ul style="list-style-type: none"> ○ Our Canopy goal is trying to take into consideration carbon sequestration, resiliency to climate change impacts, age and species diversity, stormwater and equitable distribution of tree-related benefits across the city. • There should be a focus on low-canopy neighborhoods and neighborhoods where there is a higher risk of poor outcomes due to urban heat island effects.
City to identify sewer and waterways vulnerable to flooding	

City to adjust code to require on-site stormwater storage and water filtration before release	<ul style="list-style-type: none"> • Prohibitive cost? • Change to “business guidelines”? • Permeable pavement? • PCC already does this. Opportunity for a demonstration project? Showcase/celebrate with a certification program? City leadership support is important
City to develop a new stormwater masterplan	<ul style="list-style-type: none"> • Is this a new plan or an update to an existing plan?
City to introduce more monitoring stations to protect well-heads	<ul style="list-style-type: none"> • Explain status of current monitoring. • “Protecting well-heads” is jargon—“for groundwater sources”? Need new word for wellheads.
City to review intergovernmental water agreements	<ul style="list-style-type: none"> • Add “and update” or “to bring them up to date” • Need to explain purpose of IGAs
City to develop a potable water re-use plan	<ul style="list-style-type: none"> • Use different word to “potable” — “drinkable”? “Reusable?”
<i>Suggested additions</i>	<ul style="list-style-type: none"> • Identifying sewers and waterways subject to flooding (or in Emergency Preparedness?) • Missing: “algae blooms” • Missing: “air and soil” • Air quality inventory? • Update federal brownfield map and prioritize for development? Soil classification index? • City of Milwaukie Arbor Day celebration event/education project? • De-paving
<i>Remaining questions</i>	<ul style="list-style-type: none"> • Where does composting go? Here or materials? • Can all strategies include a “problem statement,” with the strategy framed as a solution?

Household-level strategy feedback

Blue highlighted strategies identified as priorities

Building Energy and Efficiency Strategies	Specific Feedback
<ul style="list-style-type: none"> • Sign up for PGE's Green Power program • Sign up for Northwest Natural's Smart Energy program • Call the Energy Trust of Oregon for an efficiency audit • Consider installing a home solar energy system • Install a smart thermostat • Build a root cellar • Increase home insulation levels • Utilize energy-efficient light bulbs • Use less heating • Install a ductless heat pump • Install a heat pump water heater • Replace oil furnaces • Replace windows with more energy-efficient models • Build a net zero, net positive or "passive house" dwelling • Line dry clothes 	<ul style="list-style-type: none"> • ADD: "Participate in demand response programs (PGE)" • "Install a home solar energy system" • "Replace oil furnaces <u>with something</u>" (ductless heat pumps?) • Clarify the ETO audit is free • Not everyone has internet for a smart thermostat, maybe also include a timer? • Using less heating may not be feasible without updates • ADD: "Tenants organize to demand efficiency upgrades"
Vehicle Fleets and Fuels	Specific Feedback
<ul style="list-style-type: none"> • Walk or bike whenever possible • Carpool • Buy an electric vehicle or hybrid • Reduce air travel • Offset air travel • Advocate for more parks and urban natural area access to reduce travel needs • Combine trips when running errands • Invest in an electric bike • Ride public transit • Vacation locally • Work locally • Take the train instead of flying 	<ul style="list-style-type: none"> • Combine where appropriate: <ul style="list-style-type: none"> ○ "Walk, bike or take transit whenever possible" ○ "Reduce and offset air travel" • Include more fuel-efficient vehicles: "Buy an electric, hybrid <u>or more fuel-efficient vehicle</u>" • Move "advocate for more parks and urban natural areas" to LUT • Remove "invest in an electric bike" • ADD "car sharing" and "bike sharing"
Land Use and Transportation Planning	Specific Feedback

<ul style="list-style-type: none"> • Encourage walkable development • Use mass transit • Participate in City planning processes, for example around neighborhood hubs • Develop small housing for yourself or to generate rental income • Downsize and live smaller <ul style="list-style-type: none"> • Advocate for the concept of “20-minute” neighborhoods through planning processes • Advocate for minimal parking requirements for new construction • De-pave driveways • Advocate for small buses on neighborhood routes to make “last mile” connections 	<ul style="list-style-type: none"> • Combine “advocate” strategies into one about participating in the planning process. • Is there a climate change component to depaving driveways? • “Downsize and live smaller” is ambiguous; how do we do this at a household level?
Materials Purchasing, Use and Recovery	Specific Feedback
<ul style="list-style-type: none"> • Eat more plants • Reduce meat and dairy • Plan meals and shop to minimize food waste • Compost • Fix it, buy it used, buy durable and buy recycled • Reduce purchases and shop local • Drink fewer bottled beverages • Buy in bulk • Reduce use of plastic bags, straws and other materials • Remove garbage disposals • Grow your own food • Give away reusable items • Buy in-season produce • Use a local diaper cleaning service • Consider a compost toilet • Share tools with neighbors • Use re-usable shopping bags 	<ul style="list-style-type: none"> • Add “tool library” → library partnerships • Remove “shop local” • Need education on why garbage disposals are bad and the importance of decommissioning their use
Public Health and Emergency Preparedness	Specific Feedback
<ul style="list-style-type: none"> • Prepare your home for hot weather (develop shade and weatherize) 	<ul style="list-style-type: none"> • Combine emergency plan, map your neighborhood, stock up on supplies,

<ul style="list-style-type: none"> • Look for routes to essential services that won't flood during big storms • Store water and food at home in case of an emergency • Meet your neighbors and build a network to look out for one another • Map your neighborhood and understand evacuation routes • Get involved in the Community Emergency Response Team (CERT) • Stock up on emergency supplies, e.g. cooking fuel and water • Create personal solar or battery storage • Develop a family emergency plan • Consider composting toilets 	<p>and get to know your neighbors into one</p> <ul style="list-style-type: none"> • Link to resources in document? • Reference NDAs and other community organizations: "Get involved in your NDA or other neighborhood group to..." • "Welcome Wagon" for new residents and multi-family residents? • Public health is missing: <ul style="list-style-type: none"> ○ Preventative medicine ○ "Take care of yourself" ○ Address stagnant water ○ Cut high grass • Neighborhood phone tree? • Link to preparedness checklist from the County?
<p>Natural Resources</p>	<p>Specific Feedback</p>
<ul style="list-style-type: none"> • Plant trees for shade that are drought tolerant • Reduce watering in summertime • Feed your soil with compost • Opt-out of paper billing • Consider adding eco-roofs • De-pave and increase permeable surfaces • Use rain barrels for collecting water and watering gardens • Develop greywater systems • Compost food scraps • Plant native and drought tolerant species • Reduce lawn area and water less often • Use commercial car wash facilities • Reroute downspouts to rain swales • Plant landscaping that attracts pollinators • Avoid using chemical pesticides and herbicides 	<ul style="list-style-type: none"> • Move "opt-out of paper billing" to materials • Move "compost food scraps" to materials • Rain barrels could have public health implications • Combine watering strategies: reduce watering in summertime and water less often • Add "fertilizers" to last strategy • Combine tree planting strategies • Add: "Compost soil carbon sequestration?" • Add: "eco-roofs"/"green roofs" (and define) • Add: develop gray water systems (if allowable by code?) • Plastic bag ban?