



Learn about the Climate Action Plan

This document provides information for community members who are interested in the City of Gresham's Climate Action Plan. This document contains the proposed list of *draft* strategies, action items, project leads, and community partners.

The contents of this document were developed throughout 2022 and 2023 in collaboration with technical experts, community leaders, and grassroots organizations.

CLIMATE ACTION STRATEGIES

Department of Environmental Services

CITY OF
GRESHAM

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Gresham's Climate Action Plan is being developed to guide the City of Gresham and Gresham Community as we work together to respond to climate change. The drafted strategies of this plan address the major sources of greenhouse gas emissions in the community, as well as support opportunities for building resilience to climate hazards and extreme weather.

These strategies were developed throughout 2022 and 2023 in partnership with the community through a series of engagement workshops and events. These strategies have received additional input from technical experts, community leaders, and grassroots organizations to ensure that they are ambitious but achievable.

The draft strategies of this plan have been organized into six categories based on sources of emissions or opportunities for building resilience:

- Buildings and Energy
- Urban Form and Transportation
- Solid Waste and Consumption
- Community Health and Economic Resilience
- Natural and Built Environment
- Internal City Operations

This document provides a detailed list of draft strategies. Each strategy provides information on:

- Strategy focus and purpose.
- List of required actions and implementation steps.
- Greenhouse emissions reduction impact ranking.
- Hazards to address.
- Internal and external partners.
- Rank of priority assigned by the community.
- Additional benefits to the community that come from reducing emissions or building resilience.

Climate Action Plan Chapters

Mitigation and Reduction

- **Buildings and Energy**
 - Energy Sourcing
 - Energy Efficiency
- **Urban Form and Transportation**
 - Neighborhoods and Communities
 - Transportation
 - Electric Vehicles
- **Solid Waste and Consumption**
 - Food Waste Prevention
 - Recycling and Composting
 - Consumption

Adaptation and Resilience

- **Community Health and Economic Resilience**
 - Emergency Response Preparedness
 - Workforce Development
- **Natural and Built Environment**
 - Urban Forestry
 - Surfaces and Structures
 - Air Quality

Internal City Operations

- Energy and Emissions
- Wastewater Treatment Plant
- Fleet and Vehicles
- Project Management

Buildings and Energy

	Strategy	GHG Emissions Reduction Rating	Internal Partners	Community Partners	Lead / Liaison	Community Priority	Cobenefits
Energy Sourcing							
BE 1	Supply the Gresham community with 100% renewable energy.						
	(a) Partner with Oregon Public Utilities Commission and local utilities to develop a Green Tariff program customer opt-out-only and energy assistance features.	5	Finance Facilities Fleet Urban Renewal Wastewater Treatment Plant	Energy Trust of Oregon Multnomah County Sustainability Office NW Natural Oregon Department of Energy Oregon Public Utilities Commission Portland General Electric	Solid Waste and Sustainability	High	Reduced Pollution Burden Economic Inclusion and Cost Savings Equitable Access to Critical Infrastructure Community Health and Resilience
	(b) Partner with state agencies and local utilities to develop opportunities for community-scale renewable energy generation projects with storage storage that increase the community's energy independence and climate resilience.						
	(c) Develop and distribute educational materials to inform the community of Green Tariff and community-scale project offerings, and gain input from energy-burdened and climate-vulnerable communities.						
	(d) Develop and distribute educational materials that are translated in a diversity of languages.						
	(e) Apply for and award grant funding for projects and programs.						
BE 2	Expand participation in energy demand response programs, as capacity becomes available.						
	(a) Support local utilities in developing local capacity for demand response programs.	2	Economic and Development Services	Energy Trust of Oregon Portland General Electric	Solid Waste and Sustainability	Low	Economic Inclusion and Cost Savings
	(b) Develop and distribute educational materials to promote existing programs for all commercial property and housing types to increase participation as capacity becomes available.						
	(c) Provide technical assistance to community in accessing programs as provided and managed by local utilities.						
	(d) Support local utilities in assessing the demand response required for current residential and commercial building stock and energy use.						

BE 3 Support the development of community-scale renewable energy micro-grid projects with battery storage.

- (a) Review approaches, policies, and plans in other cities to assess best practices for development and implementation.
- (b) Partner with state and local agencies, local utilities, and community-based organizations to develop onsite community-scale renewable energy generation projects with battery storage.
- (c) Identify and assess potential policy, regulatory, utility, and infrastructure barriers to projects.
- (d) Develop workforce development opportunities in projects, prioritizing energy-burdened and climate vulnerable communities.
- (e) Develop and distribute educational materials and workshops to inform the community of project offerings, and gain input from energy-burdened and climate-vulnerable communities.
- (f) Develop and distribute educational materials that are translated in a diversity of languages.
- (g) Apply for and award grant funding for projects, prioritizing Community Renewable Energy Project grants from Oregon Department of Energy.

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Finance
Urban Design and Planning
Urban Renewal

Energy Trust of Oregon
Multnomah County Sustainability Office
Oregon Department of Energy
Oregon Public Utilities Commission
Portland General Electric

Solid Waste and Sustainability

High

Reduced Pollution Burden
Economic Inclusion and Cost Savings
Equitable Access to Critical Infrastructure
Community Health and Resilience

BE 4 Support increased access to energy efficiency and weatherization in all building types and property uses.

- (a) Develop a community energy efficiency strategy that prioritizes energy-burdened and climate-vulnerable communities.
- (b) Support community-based organizations in hosting community workshops on energy efficiency and weatherization.
- (c) Support residents and businesses in accessing incentives and resources provided by Energy Trust of Oregon, Community Energy Project, State agencies, and other community-based programs.
- (d) Develop and distribute educational materials and workshops to promote existing programs for all housing types and commercial properties, prioritizing energy-burdened and climate-vulnerable communities.
- (e) Develop and distribute educational materials that are translated in a diversity of languages.
- (f) Support workforce development opportunities for energy efficiency and weatherization, prioritizing energy-burdened and climate-vulnerable communities.
- (g) Support dialogue between property management and tenants to overcome split incentives for energy efficiency and weatherization in rental properties.
- (h) Apply for and award grant funding for projects that provide energy efficiency and weatherization materials to the community.

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Communications	Earth Advantage	Solid Waste and Sustainability	High	Reduced Pollution Burden Economic Inclusion and Cost Savings Equitable Access to Critical Infrastructure Community Health and Resilience
Community Engagement	Energy 350			
Community Services	Energy Trust of Oregon			
Economic and Development Services	Gresham Chamber of Commerce			
Urban Renewal	Historic Downtown Gresham Business Association			
	Multnomah County Sustainability Office			
	NW Natural			
	Oregon Department of Energy			
	Oregon Department of Housing and Community Services			
	Portland General Electric			
	Unlimited Choices, Inc.			

Energy Efficiency

BE 5	Develop a green buildings framework to incentivize higher standards of energy efficiency, emissions performance, and embodied carbon in new developments.					
(a)	Review approaches, policies, and plans in other cities to assess best practices for development, implementation, trade-offs, and incentives.					
(b)	Identify best practices in existing green buildings frameworks: Sustainable Buildings for All (SB4A), Oregon Zero Energy Ready Commercial Code, Oregon Reach Code, Energy Trust of Oregon Energy Performance Standard.		Economic and Development Services	Design Commission Energy Trust of Oregon		
(c)	Develop a pilot framework based on findings to be presented to City Council for consideration.	4	Urban Design and Planning	Oregon Department of Energy Oregon Department of Environmental Quality	Solid Waste and Sustainability	Low Reduced Pollution Burden
(d)	Develop and distribute educational materials to inform the community of program offerings.					
(e)	Develop and distribute educational materials that are translated in a diversity of languages.					
BE 6	Develop an information hub for incentives and permitting for renewable energy projects to streamline permitting requirements and process.					
(a)	Review approaches, policies, and plans in other cities to assess best practices for development and implementation.		Communications Economic and Development Services	Design Commission	Solid Waste and Sustainability	Low Equitable Access to Critical Infrastructure
(b)	Based on review findings, develop a set of recommended actions to streamline permitting requirements, process, and access to permitting information.	1	Urban Design and Planning			

Energy Efficiency

BE 7 Adopt a residential energy score

- (a) Review approaches, policies, and plans in other cities to assess best practices for developing and implementing a residential energy score.
- (b) Partner with Oregon Department of Energy in developing a scoring and compliance framework.
- (c) Develop and distribute educational materials to inform the community of program offerings, and gain input from energy-burdened and climate-vulnerable communities.
- (d) Support owners of low-scoring properties in accessing incentives for energy efficiency and weatherization materials and resources.

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Economic and Development Services

Community Energy Project
 Earth Advantage
 Energy 350
 Energy Trust of Oregon
 Oregon Department of Energy
 Oregon Department of Housing and Community Services

Solid Waste and Sustainability

Low

Economic Inclusion and Cost Savings
 Community Health and Resilience

GHG Emissions Reduction Rating Key

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3 = Reduces annual emissions by 2,500 - 5,000 MTCO_{2e}. 4 = Reduces annual emissions by 5,000 - 10,000 MTCO_{2e}. 5 = Reduces annual emissions by more than 10,000 MTCO_{2e}.

Urban Form and Transportation

	Strategy	GHG Emissions Reduction Rating	Internal Partners	Community Partners	Lead / Liaison	Community Priority	Cobenefits
Neighborhoods and Communities							
UFT 1	Integrate a climate resilience and climate equity approach to all updates to the Comprehensive Plan.						
	(a) Develop and apply a climate lens into all Comprehensive Plan policy updates to support climate resilience and climate equity.	1	Urban Design and Planning	Design Commission	Solid Waste and Sustainability	Medium	Reduced Pollution Burden
	(b) Develop climate lens terminology, definitions, and criteria to best support use of climate lense.						Equitable Access to Critical Infrastructure
	(c) Review climate resilience and climate equity lens approaches and frameworks used in other cities.						Community Health and Resilience
UFT 2	Support dense, mixed-use developments near frequent transit through implementation of Climate Friendly and Equitable Communities rules, Middle Housing rules, and Gresham's Housing Produciton Strategy.						
	(a) Review approaches, policies, and plans in other cities to assess best practices.	1	Solid Waste and Sustainability	Design Commission	Urban Design and Planning	Medium	Equitable Access to Critical Infrastructure
	(b) Compare land-use densities along transit map to identify opportunities for dense, mixed-use developments near transit.			TriMet			Community Health and Resilience

Neighborhoods and Communities

UFT 3 Review public works standards to support climate resilience in the development of new infrastructure and capital improvement projects.

(a)	Develop and integrate a climate lens to assess public works and CIP projects during the design phase as a means to identify opportunities to reduce emissions on a project-by-project basis.	3	Solid Waste and Sustainability	Comcast	Infrastructure Development Services	Low	Reduced Pollution Burden
(b)	Develop a standard operating procedure for applying a climate lens to public works and capital improvement projects.		Transportation	Local Developers			
(c)	Evaluate public works standards that govern aspects of infrastructure development that are carbon-intense, prioritizing actions that reduce emissions in supply chain, transportation of materials, and construction practices.		Water	NW Natural			
			Watershed	Portland General Electric			
			Wastewater				

Transportation

UFT 4 Integrate a climate resilience and climate equity approach into the Transportation System Plan.

(a)	Develop and apply a climate lens to use in evaluating Transportation System Plan policies and projects.	1	Urban Design and Planning	Design Commission	Solid Waste and Sustainability	Medium	Reduced Pollution Burden Equitable Access to Critical Infrastructure Community Health and Resilience
(b)	Develop climate lens terminology, definitions, and criteria to best support use of climate lens.						
(c)	Evaluate a transportation planning hierarchy framework that prioritizes active transportation and transit in all transportation planning.						
(d)	Review climate resilience and climate equity lens approaches and frameworks used in other cities.						
(e)	Develop a micro-mobility policy that supports the implementation of micro-mobility pilot projects to improve first-and-last-mile connections.						

Transportation

UFT 5	Develop a community engagement campaign to support active transportation and transit options.						
(a)	Support community-based organizations in improving access to active transportation and transit options.	2	Communications Community Engagement Solid Waste and Sustainability	Oregon Metro TriMet Transportation Subcommittee	Urban Design and Planning	Medium	Equitable Access to Critical Infrastructure Community Health and Resilience
(b)	Support active transportation and transit options through City communications and newsletters.						
(c)	Develop and distribute educational materials to inform the community of project offerings.						
(d)	Develop and distribute educational materials that are translated in a diversity of languages.						

Electric Vehicles

UFT 6	Consider code to require all new developments to be EV-ready.						
(a)	Review approaches, policies, and plans in other cities to assess best practices for development and implementation.	2	Economic and Development Services Urban Design and Planning	Forth Mobility Local Developers	Solid Waste and Sustainability	Medium	Economic Inclusion and Cost Savings Equitable Access to Critical Infrastructure
(b)	Consider requirements that new single-detached and middle housing developments provide 200V outlets in garage and driveways to support federal, state, and local electric vehicle charging infrastructure goals.						

Electric Vehicles

UFT #	Support the development of electric-vehicle charging hubs in high-traffic community destinations.						
UFT 7	(a) Review approaches, policies, and plans in other cities to assess best practices for development and implementation.	2	Economic and Development Services Urban Design and Planning Urban Renewal	Blink Charging ChargePoint Forth Mobility Local Property Managers and Owners TriMet	Solid Waste and Sustainability	Low	Equitable Access to Critical Infrastructure
	(b) Partner with mobility-focused community-based organizations, property owners and managers, and Portland General Electric to identify and develop charging hub opportunities.						
	(c) Develop and distribute educational materials to inform the community of project offerings, and gain input from the community.						
	(d) Develop and distribute educational materials that are translated in a diversity of languages.						
	(e) Apply for and award grant funding for projects that support community charging hubs.						
UFT 8	(a) Review approaches, policies, and plans in other cities to assess best practices for development and implementation.	1	Economic and Development Services Urban Design and Planning Urban Renewal	Oregon Department of Transportation	Solid Waste and Sustainability	Low	Equitable Access to Critical Infrastructure
	(b) Consider operation standards for public electric vehicle charging stations that include: (1) maintenance schedule, (2) lighting, (3) charging and parking time limits, (4) signage and instructions, (5) language access, (6) location and siting safety, (7) ADA accessibility, and (8) accepted forms of payment.						
	(c) Based on review findings, develop a set of recommended actions to streamline permitting requirements, process, and access to permitting information.						

GHG Emissions Reduction Rating Key

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Solid Waste and Consumption

	Strategy	GHG Emissions Reduction Rating	Internal Partners	Community Partners	Lead / Liaison	Community Priority	Cobenefits
Food Waste Prevention							
SWC 1	Conduct food waste prevention outreach to the community to divert organic waste from landfills.						
	(a) Provide technical assistance and information on Eat Smart Waste Less program offerings	4	Communications Community Engagement	Local Government Partners Solid Waste Haulers	Solid Waste and Sustainability	Medium	Reduced Pollution Burden Economic Inclusion and Savings
	(b) Provide technical assistance and information on Food Waste Stops With Me program offerings.						
	(c) Provide technical assistance and informational resources on Food Waste Warrior program offerings.						
	(d) Provide technical assistance and informational resources to schools, businesses, and all residential property types.						
	(e) Develop and distribute educational materials to inform the community of program offerings.						
	(f) Develop and distribute educational materials that are translated in a diversity of languages.						
SWC 2	Support visibility and access to food access, security, and donation services.						
	(a) Provide technical assistance, informational resources, and support to food access and distribution services	3	Communications Community Engagement Neighborhood Services	Birch Community Services Oregon Food Bank Rockwood Food Collaborative Snowcap Family Services	Solid Waste and Sustainability	High	Reduced Pollution Burden Economic Inclusion and Savings
	(b) Provide technical assistance, informational resources, and support to develop and maintain relationship between food generators and food access, security, and donation services.						
	(c) Apply for and award grant funding for projects that support food access, security, and donation services.						
	(d) -						

Recycling and Composting

SWC 3	Implement Commercial Food Scrap Collection Requirement.						
(a)	Provide technical assistance, informational resources, and support to local businesses to divert food waste from garbage and landfill streams.	3		Local Government Partners Oregon Metro Solid Waste Haulers	Solid Waste and Sustainability	High	Reduced Pollution Burden Economic Inclusion and Savings
(b)	Provide technical assistance, informational resources, and support to local businesses that generate food waste.						
(c)	Prioritize implementation in businesses with larger food waste production impacts.						
(d)	Develop and distribute educational materials to inform the business community of project offerings and requirements.						
(d)	Develop and distribute educational materials that are translated in a diversity of languages.						
SWC 4	Develop a strategy to expand food scrap collection and composting services to residential solid waste service customers.						
(a)	Identify local transfer stations that are permitted to accept yard debris with residential food scraps.	4	Communications Community Engagement Neighborhood Services	Local Government Partners Neighborhood Associations Multifamily Property Managers Solid Waste Haulers	Solid Waste and Sustainability	High	Reduced Pollution Burden Economic Inclusion and Cost Savings Equitable Access to Critical Infrastructure
(b)	Collaborate with local solid waste haulers to identify potential service options, opportunities, and barriers.						
(c)	Collaborate with local solid waste haulers to develop a rate structure that supports expanded residential service.						
(d)	Collaborate with local solid waste haulers to develop food scrap collection pilot programs for multifamily developments.						
(d)	Conduct community engagement and outreach to residential solid waste customers to identify potential program offerings, opportunities, and barriers.						

Recycling and Composting

SWC 5	Implement Green Business Program						
(a)	Provide technical assistance, informational resources, and support to businesses to meet business recycling and food waste reduction requirements.	3	Communications Economic and Development Services Urban Renewal	Energy Trust of Oregon Gresham Chamber of Commerce Historic Downtown Gresham Association ODOE PGE	Solid Waste and Sustainability	High	Economic Inclusion and Cost Savings Equitable Access to Critical Infrastructure Community Health and Resilience
(b)	Provide technical assistance, informational resources, and support to businesses to support waste prevention practices in the community.						
(c)	Provide technical assistance, informational resources, and support to businesses and community-based organizations in accessing incentives from Energy Trust of Oregon and state programs for energy efficiency and weatherization upgrades.						
(d)	Develop reports and case studies of successful business and community-based projects that resulted in waste prevention, emissions reduction, improved resilience, and cost savings.						
(d)	Develop and distribute educational materials to inform the business community of program offerings.						
(e)	Develop and distribute educational materials that are translated in a diversity of languages.						
SWC 6	Support implementation of Oregon Recycling Modernization Act.						
(a)	Provide technical assistance, informational resources, and support to the community to reduce contamination in Gresham's recycling stream.	2		Local Government Partners Oregon Metro Oregon Product Responsibility Organizations Solid Waste Haulers ODEQ	Solid Waste and Sustainability	Medium	Reduced Pollution Burden
(b)	Collaborate with local solid waste haulers to implement Recycle Plus program to accept non-curbside recyclable materials at residential property types.						
(c)	Collaborate with local solid waste haulers to implement a rate structure that supports residential Recycle Plus program.						
(d)	Develop and distribute educational materials to inform the community of Recycle Plus program offerings.						
(d)	Develop and distribute educational materials that are translated in a diversity of languages.						

Consumption

SWC 7	Expand recovery of construction and demolition materials.							
(a)	Collaborate with local developers, construction companies, and solid waste haulers to develop service standards for construction and demolition waste materials.							
(b)	Collaborate with local developers, construction companies, and solid waste haulers to develop pilot projects for the disposal of construction and demolition waste materials.							
(c)	Review approaches, policies, and plans in other cities to assess best practices.	3	Transportation	Oregon Metro Solid Waste Haulers ODEQ	Solid Waste and Sustainability	Low	Reduced Pollution Burden	
(d)	Develop and distribute educational materials to inform the community of program offerings.							
(d)	Develop and distribute educational materials that are translated in a diversity of languages.							
SWC 8	Support the visibility and access to repair and reuse services.							
(a)	Collaborate with community-based organizations to assess opportunities and barriers to improve access to existing repair and reuse services.							
(b)	Promote community repair and reuse events through City communications and newsletters.							
(c)	Develop and distribute educational materials to inform the community of program offerings.	2	Communications Community Engagement Neighborhood Services	Local Government Partners	Solid Waste and Sustainability	High	Reduced Pollution Burden Economic Inclusion and Cost Savings Community Health and Resilience	
(d)	Develop and distribute educational materials that are translated in a diversity of languages.							
(d)	Apply for and award grant funding for projects that support access to repair and reuse services.							

Consumption

SWC 9	Support the visibility and access to repair and reuse services.						
(a)	Collaborate with community-based organizations to assess opportunities and barriers to improve access to existing repair and reuse services.	2	Communications Community Engagement Neighborhood Services	Community Warehouse Gresham Repair Café and Swap Habitat for Humanity ReStore ReBuilding Center ReClaim It!	Solid Waste and Sustainability	High	Reduced Pollution Burden Economic Inclusion and Cost Savings Community Health and Resilience
(b)	Promote community repair and reuse events through City communications and newsletters.						
(c)	Develop and distribute educational materials to inform the community of program offerings.						
(d)	Develop and distribute educational materials that are translated in a diversity of languages.						
(d)	Apply for and award grant funding for projects that support access to repair and reuse services.						
SWC 10	Support the establishment of tool share and library services in Gresham.						
(a)	Collaborate with community partners to identify host locations, project leads, opportunities, and barriers to tool share and library services.	1	Communications Community Engagement Neighborhood Services	Multnomah County Library Mudbone Grown	Solid Waste and Sustainability	High	Economic Inclusion and Cost Savings Community Health And Resilience
(b)	Promote tool share and library services through City communications and newsletters.						
(c)	Develop and distribute educational materials to inform the community of project offerings.						
(d)	Develop and distribute educational materials that are translated in a diversity of languages.						
(d)	Apply for and award grant funding projects that support tool share and library services.						

Consumption

SWC 11 Support the use of durable to-go foodware and containers.

- (a) Collaborate with community partners to identify host locations, project leads, opportunities, and barriers to the use of durable to-go foodware and containers.
- (b) Promote durable to-go foodware and containers through City communications and newsletters.
- (c) Develop and distribute educational materials to inform the community of project offerings.
- (d) Develop and distribute educational materials that are translated in a diversity of languages.
- (d) Apply for and award grant funding projects that support use of durable to-go foodware and containers.

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Communications

Local Government
Partners
Bold Reuse

Solid Waste and
Sustainability

Medium

Reduced Pollution
Burden

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Community Health and Economic Resilience

	Strategy	Climate Hazard	Internal Partners	Community Partners	Lead / Liaison	Community Priority	Cobenefits
Emergency Response and Preparedness							
CHR 1	Support the development of an early warning and outreach system for extreme weather and climate hazards.						
	(a) Develop a standard operation procedure to disperse information on hazardous conditions and emergency response resources through community partners that serve climate-vulnerable communities.	Fire and Smoke Extreme Heat Precipitation Winter Weather	Communications Community Engagement Emergency Management Fire and Police Neighborhood Services	Feed'em Freedom Foundation Greater New Hope Charities Latino Network Multnomah County Emergency Management Multnomah County Health Department Multnomah County Sustainability Office Rockwood CDC	Solid Waste and Sustainability	High	Equitable Access to Critical Infrastructure Community Health and Resilience
	(b) Partner with community-based organizations to distribute educational materials that provide information on hazardous conditions and emergency resources.						
	(c) Partner with community-based organizations to translate educational materials in a diversity of languages.						
	(d) Apply for and award grant funding to support early warning and outreach system projects.						
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CHR 2	Develop and implement a community Heat Strategy.						
	(a) Develop and implement a City heat strategy and plan to identify and mitigate the affects of extreme summer-time heat, priotizing climate-vulnerable communities.	Extreme Heat	Emergency Management Fire and Police Neighborhood Services Parks and Recreation	CAPA Strategies Multnomah County Sustainability Office	Solid Waste and Sustainability	High	Community Health and Resilience
	(b) Audit all City plans and code to identify and assess current heat mitigation strategies.						
	(c) Make recommendations in City policy and code to advance and prioritize desired mitigaiton strategies.						
	(d) Review GIS data findings in Growing Shade in Gresham Tool and Gresham Heat Strategy to identify and prioritize neighborhoods for tree canopy improvements.						

Emergency Response and Preparedness

CHR 3	Develop community chipping events to increase accessibility to debris management after severe storms.						
(a)	Assess resources required and compare to existing pool of budgetary resources.						
(b)	Collaborate with community partners to identify best service structure and locations.		Communications				
(c)	Develop and distribute educational materials to inform the community of project offerings.	Precipitation Winter Weather	Community Engagement Emergency Management Fire and Police Neighborhood Services		Solid Waste and Sustainability	Low	Equitable Access to Critical Infrastructure
(d)	Develop and distribute educational materials that are translated in a diversity of languages.						
(e)	Apply for and award grant funding to projects that support community chipping.						
CHR 4	Support the development of resilience hubs that host emergency services and supply distribution during hazardous conditions.						
(a)	Partner with Multnomah County and community-based organizations to identify and develop resilience hub locations and services, prioritizing climate-vulnerable communities.			Greater New Hope Charities Latino Network			
(b)	Partner with Oregon Department of Energy, local utilities, and community-based organizations to develop opportunities for community-scale renewable energy generation projects with battery storage at resilience hub locations.	Fire and Smoke	Communications	Multnomah County Emergency Management			Equitable Access to Critical Infrastructure
(c)	Develop and distribute educational materials to inform the community of project offerings, and to gain input from climate-vulnerable communities.	Extreme Heat Precipitation	Community Engagement Emergency Management	Multnomah County Health Department	Solid Waste and Sustainability	Medium	Community Health and Resilience
(d)	Develop and distribute educational materials that are translated in a diversity of languages.	Winter Weather	Neighborhood Services	Multnomah County Sustainability Office Rockwood CDC Rockwood Food Collaborative			
(e)	Apply for and award grant funding for projects that support resilience hubs and services.						

Emergency Response and Preparedness

CHR 5	Increase access to weatherization materials and resources to support the community's ability to shelter-in-place during hazardous conditions.						
(a)	Support community-based organizations to host workshops for energy efficiency, weatherization, and emergency preparedness and response.				Energy Trust of Oregon		
(b)	Support Gresham residents and businesses in accessing incentives for resources provided by Energy Trust of Oregon, Community Energy Project, and other community-based programs.				Greater New Hope Charities		
(c)	Support workforce development opportunities for energy efficiency and weatherization, prioritizing energy-burdened and climate-vulnerable communities.	Fire and Smoke	Communications		Latino Network		Economic Inclusion and Cost Savings
(d)	Support dialogue between property owners, management, and tenants to overcome split incentives for energy efficiency and weatherization.	Extreme Heat	Community Engagement		Multnomah County Health Department	Solid Waste and Sustainability	High
(e)	Develop and distribute educational materials to inform the community of project offerings.	Precipitation	Emergency Management		Multnomah County Sustainability Office		
(f)	Develop and distribute educational materials that are translated in a diversity of languages.	Winter Weather	Neighborhood Services		Rockwood CDC		Community Health and Resilience
(g)	Apply for and award grant funding that supports the access and distribution of energy efficiency, weatherization, and emergency preparedness resources.				Rockwood Food Collaborative		
					Unlimited Choices, Inc.		
					Wisdom of the Elders		
CHR 6	Support food access and security services during hazardous conditions						
(a)	Partner with community-based organizations to assess impacts of climate hazards and extreme weather on food access and services, and the communities they serve.						
(b)	Partner with food access and security services, community garden programs, and urban agriculture programs to access to weatherization and climate resilience resources.						
(c)	Support food access and security services in developing a centralized community food and resilience hub.	Fire and Smoke	Communications				
(d)	Support food access and security services in developing food transportation with cold storage to best manage and distribute donations during hazardous conditions.	Extreme Heat	Community Engagement		Multnomah County Sustainability Office	Solid Waste and Sustainability	High
(e)	Support food access and security services in developing educational materials and workshops to inform the community on food resilience.	Precipitation	Emergency Management		Rockwood Food Collective		
(f)	Partner with food access and security services to develop and distribute educational materials that are translated in a diversity of languages.	Winter Weather	Neighborhood Services				Community Health and Resilience
(g)	Apply for and award grant funding for projects that support food access and security projects.						

Workforce Development

CHR 7 Support workforce development opportunities in climate resilience and green infrastructure projects.

(a) Partner with community-based organizations to develop workforce development and skills training in energy efficiency, renewable energy, weatherization, emergency response preparedness, and green infrastructure, prioritizing climate-vulnerable communities.

(b) Partner with community-based organizations to develop and distribute educational materials and workshops to inform the community of project offerings, and to gain input from climate-vulnerable communities.

(c) Develop and distribute educational materials that are translated in a diversity of languages.

(d) Apply for and award grant funding for projects that support workforce development opportunities in climate resilience and green infrastructure.

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Fire and Smoke
Extreme Heat
Precipitation
Winter Weather

Communications
Community Engagement
Emergency Management
Fire and Police
Neighborhood Services
Parks and Recreation
Watershed

Blueprint Foundation
Greater New Hope Charities
Latino Network
Leaders Become Legends
Multnomah County Emergency Management
Multnomah County Health Department
Multnomah Sustainability Office
Rockwood CDC

Solid Waste and Sustainability

High

Economic Inclusion and Cost Savings
Equitable Access to Critical Infrastructure
Community Health and Resilience

Natural and Built Environment

	Strategy	Climate Hazard	Internal Partners	Community Partners	Lead / Liaison	Community Priority	Cobenefits
Urban Forestry							
NBE 1	Maintain and improve tree canopy in neighborhoods with low tree canopy coverage.						
	(a) Review GIS data findings in Growing Shade in Gresham Tool and Gresham Heat Strategy to identify and prioritize neighborhoods for tree canopy improvements.	Extreme Heat	Infrastructure Development Services Parks and Recreation Solid Waste and Sustainability Transportation Urban Design and Planning Urban Renewal Watershed	CAPA Strategies Columbia Slough Watershed Council East Multnomah Soil and Water Conservation District Friends of Trees Johnson Creek Watershed Council Multnomah County Sustainability Office Urban Greenspaces Institute	Parks and Recreations	High	Reduced Pollution Burden Economic Inclusion and Cost Savings Equitable Access to Critical Infrastructure Community Health and Resilience
	(b) Partner with Multnomah County Sustainability Office and community-based organizations to develop and distribute educational materials and workshops on program offerings, and to gain input from climate-vulnerable communities.						
	(c) Develop and distribute educational materials that are translated in a diversity of languages.						
	(d) Apply for and award grant funding for projects that support tree canopy maintenance and improvements.						
	-						
NBE 2	Update City tree code and policies to support climate-informed management of trees and urban canopy.						
	(a) Update the City's tree goals, policies, procedures, and regulations to reflect and support best practices in urban forestry, green infrastructure, climate resilience, and maintenance of existing tree canopy.	Extreme Heat	Infrastructure Development Services Parks and Recreation Solid Waste and Sustainability Watershed	Columbia Slough Watershed Council East Multnomah Soil and Water Conservation District Friends of Trees Johnson Creek Watershed Council Urban Greenspaces Institute	Urban Design and Planning	High	Reduce Pollution Burden Economic Inclusion and Cost Savings Equitable Access to Critical Infrastructure Community Health and Resilience
	(b) Develop and apply a climate lens into all updates to support climate resilience and climate equity.						
	(c) Develop climate lens terminology, definitions, and criteria to best support use of climate lense.						
	(d) Review climate resilience and climate equity lens approaches and frameworks used in other cities.						

Urban Forestry

NBE 3 Consider recognizing City parks and natural spaces as essential green infrastructure to access funding options for nature-based solutions.							
(a)	Consider recognizing City parks and natural spaces as essential green infrastructure and source of essential ecosystem services in City policy as a means to access funding sources that support nature-based solutions and environmental resilience.	Extreme Heat	Parks and Recreation	Columbia Slough Watershed Council			
(b)	Review approaches, policies, and plans in other cities to assess best practices for development, implementation, trade-offs, and incentives.	Wildfire and Smoke	Solid Waste and Sustainability	East Multnomah Soil and Water Conservation District	Parks and Recreation	Medium	Community Health and Resilience
		Precipitation	Urban Design and Planning	Friends of Trees			
(c)	Based on review findings, develop a set of recommended actions for recognizing City parks as essential green infrastructure and sources of essential ecosystem services.	Winter Weather	Watershed	Johnson Creek Watershed Council			

Surfaces and Structures

NBE 4 Support the use of permeable materials when replacing impermeable surfaces							
(a)	Review approaches, policies, and plans in other cities to assess best practices for development, implementation, trade-offs, and incentives.						
(b)	Develop a framework to assess whether permeable materials are appropriate where impermeable surfaces are being removed, replaced, or repaired.		Infrastructure Development Services	American Public Works Association - Oregon Chapter	Watershed	Low	Community Health and Resilience
(c)	Develop a list of appropriate permeable materials, local sources of procurement, and cost.	Precipitation	Transportation	Oregon Association of Clean Water Agencies			
(d)	Apply for and award grant funding to projects that support the use of permeable materials.						

NBE 5 Assess all City culverts to identify vulnerabilities to flooding and washouts during severe storms.							
(a)	Identify culverts most impacted by or vulnerable to flooding and washouts as a result of climate hazards and severe weather.		Infrastructure Development Services	Columbia Slough Watershed Council	Watershed	Low	Community Health and Resilience
(b)	Develop and implement a strategy to upgrade culverts identified as vulnerable to flooding or washouts.	Precipitation	Transportation	Johnson Creek Watershed Council			

NBE 6	Support the development of a network of community air quality monitors.						
	(a) Partner with Multnomah County Sustainability Office and community-based organizations to identify and develop air quality monitor locations, prioritizing climate-vulnerable communities that are close to roadways and industry.						Reduced Pollution Burden
	(b) Partner with community-based organizations to develop workforce development and opportunities in the construction, operation, and maintenance of air quality monitors, prioritizing climate vulnerable communities that are close to roadways and industry.	Fire and Smoke	Urban Renewal	Blueprint Foundation			Economic Inclusion and Savings
	(c) Partner with community-based organizations to develop and distribute educational materials and workshops to inform the community of project offerings, and gain input from climate-vulnerable communities.	Pollution		Leaders Become Legends Neighbors for Clean Air	Solid Waste and Sustainability	High	Equitable Access to Critical Infrastructure
	(d) Apply for and award grant funding for projects that support the development of air quality monitors.						Community Health and Resilience

Internal City Operations

	Strategy	GHG Emissions Reduction Rating	Internal Partners	Community Partners	Lead / Liaison	Community Priority	Cobenefits
Energy and Emissions							
ICO 1	Supply City buildings with 100% renewable energy.						
	(a) Develop performance targets for renewable energy sourcing and procurement.	3	Finance Facilities Fire and Police Wastewater Treatment Plant	Energy Trust of Oregon NW Natural Oregon Department of Energy Oregon Public Utilities Commission Portland General Electric	Solid Waste and Sustainability	High	Reduced Pollution« Burden Economic Inclusion and Savings Community Health and Resilience
	(b) Partner with Oregon Public Utilities Commission and local utilities to develop opportunities that increase the City's supply of renewable energy.						
	(c) Partner with Oregon Department of Energy and local utilities to develop opportunities for onsite renewable energy generation with battery storage at City buildings.						
	(d) Apply for and award grant funding for projects that support onsite renewable energy generation and battery storage at City buildings.						
ICO 2	Achieve 100% zero onsite emissions in City buildings and operations.						
	(a) Develop performance targets for energy efficiency, energy sourcing, and procurement of low-to-zero emissions equipment.	3	Finance Fire and Police Fleet Infrastructure Development Services Transportation Wastewater Treatment Plant	Energy Trust of Oregon NW Natural Oregon Department of Energy Oregon Department of Environmental Quality Portland General Electric	Solid Waste and Sustainability	High	Reduced Pollution Burden
	(b) Partner with Oregon Public Utilities Commission and local utilities to develop opportunities that increase the City's supply of renewable energy.						
	(c) Develop opportunities to update or replace existing equipment and vehicles with models that are more efficient and produce fewer emissions in their operation.						
	(d) Renew participation in Energy Trust of Oregon's Strategic Energy Management program for assistance in realize energy and cost savings.						
	(e) Apply for and award grant funding and incentives to purchase more efficient, low-to-zero emissions models when upgrading or replacing equipment.						

Energy and Emissions

ICO 3 Use strategic energy management in City buildings.

- (a) Renew participation in Energy Trust of Oregon's Strategic Energy Management program.
- (b) Develop a city-wide energy strategy that supports emissions reduction targets, energy efficiency, procurement of renewable energy supply options, and procurement of low-to-zero emissions equipment.
- (c) Conduct energy assessments on City buildings and facilities to identify opportunities for making upgrades to more efficient equipment and equipment that produce fewer emissions.
- (d) Develop standard operating procedures that support energy efficient practices in the operation of City buildings and facilities.
- (e) Use Energy Star Portfolio Manager to track and analyze energy-use data from City buildings.
- (f) Establish a revolving fund that uses incentives awarded by Energy Trust of Oregon and Oregon Department of Energy to invest in further energy efficiency and emissions reduction measures.
- (g) Apply for and award grant funding and incentives to projects that support energy efficiency, renewable energy, and low-to-zero emissions equipment upgrades in City buildings and operations.

3

Facilities
Fire and Police
Fleet

Energy Trust of Oregon

Solid Waste and Sustainability

High

Reduced Pollution Burden
Economic Inclusion and Savings

Wastewater Treatment Plant

ICO 4 Pursue grant funding to increase onsite energy generation at Wastewater Treatment Plant through added capacity in anaerobic digestion and biogas cogeneration.

- (a) Expand the capacity of WWTP to receive fats, oils, and grease (FOG) through the addition of a third anaerobic digester.
- (b) Convert existing anaerobic digesters to operate at thermophilic levels (higher operating temperatures) to increase the rate of digestion and biogas production.
- (c) Construct a biogas storage bubble and expand biosolids receiving area to efficiently manage increased production of biogas.
- (d) Expand the existing cogeneration system from 800kW to 1,200 kW.
- (e) Construct a food waste slurry receiving station to increase production of biogas.
- (f) Develop a renewable natural gas (RNG) treatment facility to treat biogas production to certified RNG standards in order to export treated gas and receive funds for RNG credits sold.

4

Finance
Facilities
Solid Waste and Sustainability

Jacobs Engineering
NW Natural
Oregon Department of Energy
Oregon Department of Environmental Quality
Portland General Electric

Wastewater Treatment Plant

Medium

Reduced Pollution Burden
Economic Inclusion and Savings
Community Health and Resilience

Fleet and Vehicles

ICO 5	Develop a City Green Fleet Strategy						
(a)	Assess the current lifecycle of City fleet vehicles, estimated costs of replacement, return on investment, life cycle, and impact on staff.	2	Facilities Finance Fire and Police Solid Waste and Sustainability	Forth Mobility Oregon Department of Environmental Quality Portland General Electric	Fleet	Medium	Reduced Pollution Burden
(b)	Prioritize the procurement of fuel-efficient, hybrid electric, and electric vehicles where practical and cost-effective.						
(c)	Assess infrastructure upgrades and estimated costs required at City buildings and facilities to support the conversion of City Fleet to fuel-efficient, hybrid electric, and electric vehicles.						
(d)	Apply for and award grant funding and incentives to projects that support the procurement of fuel-efficient, hybrid electric, and electric vehicles for City Fleet.						
(e)	Apply for and award grant funding and incentives for projects that support upgrades to infrastructure required for fuel-efficient, hybrid electric, and electric vehicles in City Fleet.						
ICO 6	Increase electric vehicle charging at all City buildings, facilities, and parks.						
(a)	Review approaches, policies, and plans in other cities to assess best practices for development and implementation.	2	Facilities Fire and Police Parks and Recreation	Forth Mobility Oregon Department of Environmental Quality Portland General Electric	Solid Waste and Sustainability	Medium	Equitable Access to Critical Infrastructure
(b)	Assess parking and electrical infrastructure capacities at City buildings, facilities, and parks on a project-by-project basis.						
(c)	Develop parking time, charge time, and fee structure on a project-by-project basis to ensure that charging stations do not interfere with City operations.						
(d)	Apply for and award grant funding to projects that improve electric vehicle charging at City buildings, facilities, and parks.						

Project Management

ICO 7	Create an internal City climate action team that supports the implementation of the Climate Action Plan and collaboration across City departments.						
(a)	Develop a team charter and annual work plan to best align efforts across City departments.						
(b)	Identify project leads and interdepartment project subgroups on a project-by-project basis.						
(c)	Identify metrics for reporting progress on climate projects that are meaningful across City departments.	1					
(d)	Develop messaging to increase awareness and participation of staff in climate action projects.						

Facilities			
Finance			
Infrastructure Development Services			
Transportation	-	Solid Waste and Sustainability	Medium
Urban Design and Planning			
Urban Renewal			
Watershed			
			Community Health and Resilience

GHG Emissions Reduction Rating Key

1 = Reduces annual emissions by less than 1,000 MTCO₂e or lays the foundation for other efforts. 2 = Reduces annual emissions by 1,000 - 2,000 MTCO₂e.

3 = Reduces annual emissions by 2,500 - 5,000 MTCO₂e. 4 = Reduces annual emissions by 5,000 - 10,000 MTCO₂e. 5 = Reduces annual emissions by more than 10,000 MTCO₂e.