SECTION 2: Strategies and Actions

The strategies and actions section provide a framework for action. These actions are in five focus areas- transportation and mobility, the built environment/land use, natural environment, consumption and solid waste.

The focus areas, strategies and actions outlined below for Lake Forest Park align with and draw heavily upon our neighboring cities' plans, and are informed by feedback from the LFP community and information from the 2019 King County GHG Emissions Inventory. The vision of the future for each focus area is borrowed from the Mercer Island Climate Action Plan released in April 2023.

Lake Forest Park will achieve these Climate Action Plan goals by following strategies and implementing actions in five focus areas, detailed below.

Focus Area 1: Transportation and Mobility (TR)

Vision of the Future: Low-to-no carbon transportation options are safe, clean, accessible, affordable and widely used.

Goal: Reduce GHG emissions from transportation by transitioning to electric vehicles (EV's), expanding shared transportation options, and promoting improvement of cycling and pedestrian networks.

Globally and locally, transportation is the largest source of greenhouse gas emissions. According to the Fifth National Climate



Assessment, "Since 2017, the transportation sector has overtaken electricity generation as the largest emitter", accounting for the largest percentages of emissions 69% of total community-wide emissions in 2019. In LFP most of these emissions come from gasoline use in passenger vehicles and airplane flights (though the methodology of the King County estimates for per capita flights.) Lake Forest Park has developed a Safe Streets program which could be accelerated to meet emissions goals.

Community Priorities: Residents are driving less and walking and biking more. They are rethinking air travel, reducing the number of cars in their household, and purchasing or considering purchasing an eclectic vehicle. In our survey, one community respondent stated, "we should bike when we can, we should ride-share as much as possible, we should use the bus and light rail more".

In 2020 about 55.2% of Lake Forest Park residents drove alone to their place of employment, another 8.8% carpooled, another 8.8% used public transportation, about 5.0% walked, biked, or used another means to commute, and about 23.2% of Lake Forest Park workers worked from home. Residents are also adopting battery electric and hybrid vehicles (in 2022, 3% of personal passenger vehicles owned by Lake Forest Park residents were battery electric and nearly 6% used hybrid fuels). Worker commuting methods reported for 2020 were likely affected by the global pandemic; however for this census period an estimated 55.2% of the Lake Forest Park workforce commuted in single-occupancy vehicles, 8.8% carpooled, 8.8% used public transportation, 4% walked, rode a bicycle, or used another means (such as a motorcycle or hired vehicle) and about 23.2% worked from home.

Table 1. Transportation and Mobility Strategies and Actions.

Strategy #1	1: Accelerate electric veh	nicle (EV) adoption	Where this go in the Comp
			<u>Plan</u>
Ref code	Action	How action is accomplished	
TR 1.1	Electrify the City Fleet	Increase the number of municipal EVs to 100% by 2040. Purchase and deploy make-ready Battery Electric Vehicles (BEVs) to transition the City's vehicle fleet to electric by 2035 for all operationally feasible vehicles. As needed, delay purchasing replacement vehicles until BEV options are available and affordable. If BEVs are not available for necessary replacements, consider plug-in hybrid options. Convert LFP Police Fleet to all electric vehicles by 2035.	Add new goal T-7 Reduce GHG emissions from transportation New Policy T-7.1 Electrify City Fleet
TR 1.2	Eliminate gas powered vehicles and tools	Develop a transition plan for city owned vehicles from gas to electric. Eliminate and publicize gas powered tools. Explore what other jurisdictions have done to eliminate gas-powered tools. Consider a buy-back program for gas-powered tools. Educate the public about the tool library.	New Policy T-7.2
TR 1.3	Increase charging infrastructure	Include charging infrastructure in the city's revised Comp Planstart with putting charging stations in public facilities. Continue to partner with Bothell, Kenmore, and Shoreline to obtain funding	New Policy T-7.3

		from the state to install charging stations along 522, at City Hall, on 104 and in apartment and condos.	
		Increase electrical capacity and charging infrastructure at City facilities to ensure adequate capacity for fleet and employee EV charging.	
		In alignment with regional efforts through WSDOT and Seattle City Light, expand the public EV charging network by assessing gaps and supporting installation of charging stations for public use on business, institutional, City, and utility properties in key areas. Install charging stations for public use at City facilities open to the public such as parks and recreation centers wherever feasible. Require Installation of a minimum number of charging stations in addition to electrical capacity for all new multifamily residential and commercial construction and during major renovation of parking lots/ structures.	
		Include goals in the city's revised Comp PlanStart with putting charging stations in public facilities.	
TR 1.4	Incentivize EV charging stations	Publicize the federal rebates for EV charging stations Apply for the federal and state grant for EV charging	New PolicyT- 7.4

TR 1.5	Community education about Electric Vehicles	Provide community education and outreach to increase EV adoption and promote existing incentives for EV purchases.	New Policy T-7.5
Strategy #2	Reduce community wide	driving	Add to title of T-1 and T-2
Ref code	Action	How action is accomplished	
TR 2.1	Review Municipal Codes for Emission Reduction	Develop regulations that require bike lockers at new or major retrofits at town center, multifamily facilities and parks and municipal facilities. Include bike lockers in the 2024-26 budget.	New Policy T-4.9
TR 2.2	Encourage Transit-Oriented Development	Study and support transit-oriented development and missing middle housing	H/BE
		Increase the network of safe bike lanes, boulevards, and trails; widening sidewalks; expanding convenient transit stops; and installing effective traffic signals.	
TR 2.3		Partner with public transport services,-community organizations, and surrounding jurisdictions to pilot new routes and diverse transit options (including carpooling) to improve efficiency and reliability	
	Develop a pedestrian and bicycle network	Start with strategic areas near schools and commerce; identify and apply for sources of funding.	Already in CP
TR 2.4	Secure bike storage	Purchase, deploy and maintain bike storage in parks, nodes and commercial facilities.	New Policy T-4.10

TR 2.5	Expand capacity of the LFP Town Center to act as a mobility hub.	Reexamine the TC Zoning to ensure the Town Center becomes a shared-use mobility hub that enhances cross-community travel by transit, ride-share, electric vehicles, bike-share, and scooter-share and any means other than driving a traditional gas/diesel vehicle alone.	Already in CP
TR 2.6	Review flex schedules for municipal employees.	Review the flex schedule annually to make sure it is working	Future
TR 2.7	Collaborate with the Cities of Shoreline and Kenmore as they adopt shared-use electric bicycle or scooter programs.	Explore north-end cities with a shared bike and scooter program. Partner with community groups to pilot an e-bike library where bikes are available to low-income community members without requiring smartphone technology and a credit card to access.	New Add to goal T-1
TR 2.8	Limit air travel	Review the travel policy in the city and encourage staff training and professional development to take place locally. Community education on air travel alternatives, opportunities and incentives to electrify; actions being taken at the city, state and federal levels to reduce transportation.	Future
Strategy #3:	Improve "last mile acces	s"	
Ref code	Action	How action is accomplished	
TR 3.1	Build Transit oriented development	Uphold the GMA to prioritize dense mixed use TOD and affordable housing and update the comp plan to comply with HB 1110	Already in CP? add to built environment
TR 3.2	Start a Jitney Service	Fund an experimental jitney	New Policy T-7.6

		service	
TR 3.3	Support bike infrastructure	Safe streets for bikes and safe storage solutions in parks,nodes and commercial facilities	Already in CP
TR 3.4	Support pedestrian infrastructure	Accelerate and expand safe streets programs and develop a one way street program	Add as Policy T-1.17
TR 3.5	Increase transit ridership through education and outreach	Collaborate with regional transit authorities to install reader boards and informational kiosks and use city website to better inform the community about transit options and apps	New Policy T-7.7
TR 3.6	Support city trail system	Accelerate Green Infrastructure program	in Policy T-2.1

Focus Area 2: Built Environment/Land use (BE)

Vision of the Future: Residents live and work in energy efficient buildings powered by clean, renewable energy.

Goal: Reduce GHG emissions from buildings by reducing energy usage, electrifying buildings, and transitioning to clean and reliable renewable energy sources.

In LFP emissions from buildings represent 22% of the emissions. Most of this comes from natural gas. In 2020, the US Census estimated that 61% of homes use gas for heating, cooking or heating water, and another



7% use fuel oil. Solar panels have been installed on more than 70 residences; however, this represents fewer than 1.5% of homes. As of January 2024 the only retail, commercial, or multi-family housing unit that has installed solar panels is the King County Housing Authority (this system likely provides about 9- to 10% of the total solar energy generated within the City).

Community Priorities: Residents want to reduce their emissions, but are concerned about becoming more vulnerable to weather related events. They will be looking to the City to provide

solutions to some of these issues. For example, one resident on our survey asked, "If the City requires homes to be all electric - what obligation does the City have to make sure the power grid works? In case you haven't noticed - it hasn't worked very well over this winter. My gas-powered home had hot water and the ability to cook during those times. If it was all-electric - I guess I would have just sat here shivering? You can't dictate that people use one source of heat/cool/etc. and then not have that actually work - that's irresponsible."

Table 2. Strategies and Actions for Focus Area 2, Built Environment/Land use

Strategy	#1: Use Cleaner Energy	Where this goes in the	
		Comp Plan	
Action		How action is	
code #	Action	accomplished	
		Incentivize a full	
		transition to electric	
		or solar energy in	
		existing commercial	
	Encourage transition to electric or solar	and residential	
BE 1.1	energy	buildings.	EQ-5.1
		Encourage	
		businesses, large	
		energy users, and	
		residents to enroll in	
		Seattle City Light's	
		(SCL) Green Up	
		program to expand	
	Encourage enrollment in	the use of green	
BE 1.2	Seattle City Light's Green Up program	energy.	EQ-5.5
		Add to the legislative	
		agenda of the city to	
		provide for	
		community solar.	
		Use incentives and	
		partnerships to	
		support the	
		development of local	
		community solar	
		projects and	
		micro-grids that	
		provide alternative	
		energy sources for	
		critical community	
BE 1.3	Support community solar projects	facilities, especially	EQ-5.1

		during brownouts or	
		unexpected power	
		loss.	
		D 1 1 1	
		Enact code to phase	
		out fossil fuel	
		infrastructure in new	
BE 1.4	Enact code requiring electrification	construction.	EQ-5.5
		г 1 1	-
		Encourage local	
		utilities to update	
		regulations that	
		increase the	
		flexibility of the	
		electricity grid and	
		incentivizes	
		large-scale energy	
		customers to reduce	
	Advocate for increased electricity grid	their electricity use	
BE 1.5	reliability	during peak times.	EQ-5.5
		Provide information	
		about green	
		_	
		infrastructure	
		programs	
BE 1-6	Advocate for Green infrastructure	like green roofs.	EQ-5.4
Strategy	#2: Build strategically for less energ	gy and clean energy	
Action		How action is	
code #	Action	accomplished	
code n			
		Increase incentives	
		and promotion of	
		green stormwater	
		infrastructure and	
		urban forests on	
		developed	
DE 2.1	Increase incentives for infrastructure		
BE 2.1	improvements	properties, with	
		emphasis on areas	
		prone to urban heat	
		islands, flooding and	
		identified	
		environmental health	
	the state of the s		
			EO-5 3
		disparities.	EQ-5.3
	Davalan green huilding regulations	disparities.	EQ-5.3
BE 2.2	Develop green building regulations		EQ-5.3 EQ-5.5

		multifamily housing	
		to have EV charging	
		stations.	
		Restrict the addition	
		of new gas lines and	
		installations in	
		residential and	
		multifamily zones.	
		Incorporate	
		environmental	
		justice criteria and	
		priorities into	
		-	
		zoning, land use	
		planning, permitting	
		policies, and	
		development of new	
		projects.	
		In collaboration with	
		utilities and local	
		jurisdictions,	
		develop a residential	
		home energy	
		program to provide	
		education, technical	
		assistance, and	
		financial assistance	
		to replace gas and oil	
		heating systems with	
		electric heat pumps,	
		improve home	
		efficiency, and install	
		renewable energy	
		systems. Options	
		include a rebate	
		program,	
		bulk-purchase	
		retrofit campaign, or	
		other financing	
		mechanism.	
		Prioritize low and	
	Review environmental justice criteria	middle income	
BE 2.3	into land use decisions		U-7.7

	assistance and incentives.	
Prioritize dense, mixed use, transit oriented developments and affordable	Uphold the Growth Management Act and HB 1110 to prioritize dense, mixed use, transit-oriented development (TOD) and affordable housing.	LU-4.4

Focus Area 3: Natural Environment, Ecosystems, Sequestration (NE)

Vision of the Future: The community protects, conserves, and restores our natural systems, landscapes, and habitats.



Goal: Foster climate resilient natural landscape by restoring natural systems, protecting vital habitats and ecosystems, and conserving water resources.

Lake Forest Park is a unique city with a large tree canopy (50%), undeveloped watersheds (12%) and other natural ecosystems so preserving and restoring these rare resources should be given the greatest priority. As we move away from fossil fuel use in the energy sector we can increase uptake of carbon dioxide by restoring and enhancing the health of our trees and waterways.

In addition to capturing carbon, healthy ecosystems provide a wide range of interconnected benefits and services, such as improving mental health, offering recreational opportunities, acting as natural cooling areas during heat waves, and providing habitat for local wildlife.

Climate Change strategies that focus on reducing emissions from transportation and supporting dense, walkable, transit-oriented development, should also work to protect and increase our existing urban tree canopy and restore and protect waterways to make the city of LFP climate resilient. The actions in this section enhance our efforts to protect tree canopy and waterways.

Community Priorities: Residents value our canopy and ecosystems and seek to retain them as natural resources and community assets. One community resident responded in the survey, "We see many stressed, dying, and dead trees in the neighborhood. When we lose our canopy, the

understory suffers as well. I feel we are in danger of irreversibly and negatively impacting the area, and with loss of trees and other plant life, the region's temperatures will soar higher."

<u>More Information on Tree Canopy and Climate Change Resilience and Urban Watersheds and Climate Change Resilience in Appendix 6</u>

TABLE 3. Strategies and Actions for our Natural Environment

Strategy #	t1: Maintain healthy urban forest	Where this goes in the Comp Plan	
Ref code	Action	How action is accomplished	
NE 1.1	Implement Policy and Practices for sustaining tree canopy.	Support the Tree Board's policy and strategies to protect large-stature species with dense wood, identify most effective carbon-capturing trees, and develop a plan for maintaining tree canopy in perpetuity. Adopt planning and funding programs for urban dense vegetative growth programs such as Miyawaki Forests	EQ-9D
NE 1.2	Incentivize Climate-conscious tree planting.	Review city policy and ordinances for planting trees around buildings to promote energy efficiency, enlarge and improve planting sites with tree longevity in mind, increase stormwater infiltration, and include trees in street improvement projects. Implement in city open space plan project to plant a diverse mix of pest-tolerant, well-adapted, low-maintenance,	EQ-9.2

		long-lived, and drought-resistant trees to ensure greater resilience, while planting small groves of especially water-tolerant species in areas receiving peak volumes of stormwater runoff to reduce flooding and pollutant transport.	
NE 1.3	Allocate resources for urban tree maintenance.	Require new developments to maintain new tree planting for 5 years. Provide information on how to plant and care for new plantings. Require the city to establish and adhere to a regular tree maintenance cycle with an eye towards helping protect cities from extreme weather events.	EQ-9
NE 1.4	Address tree canopy cover inequity.	Supporting the Tree Board expansion of tree cover is an opportunity to address inequitable access to trees and green space.	NEW EQ9.10 on inequakity
NE 1.5	Outreach and education on forest conservation strategies	Support nonprofits efforts to educate and engage residents on tree retention and health and the value of trees as a mitigating strategy in climate change.	NewEQ 9-11 See tree bard
Strategy	#2: Increase carbon sequestration		
Ref code	Action	How action is accomplished	
NE 2.1	Evaluate municipal parks for greater carbon sequestration.	Support nonprofits and the Park Board to implement a plan to re-evaluate	New Policy PT PT4-6

		existing parks and other existing green areas for carbon sequestering sinks	
NE 2.2	Evaluate open spaces for greater carbon sequestration.	Support nonprofits and the Planning Department to implement a plan to re-wild unused areas by converting impervious surfaces into permeable habitats.	Same as above
Strategy	#3: Maintain healthy waterways		
Ref code	Action	How action is accomplished	These can all be slipped into EQ EXCEPT Sewer goes in Capital Facilities
NE 3.1	Recognize and protect all waterways	Review and revise existing codes and ordinances to enhance protection by widening buffer zones even for minor streams. Coordinate with federal and state agencies for funding to develop a plan to reroute the sewer system so it is out of the streams.	
NE 3.2	Safeguard our water supply.	Host 4 water districts to discuss and plan for safeguarding supply, encouraging conservation and reusable water containers	
NE 3.3	Reduce the impact of runoff	Review and revise building codes for new or redevelopments to require onsite stormwater control measures (SCM). (Examples of SCMs are rainwater tanks, infiltration systems that receive overflow from tanks and impervious surfaces, and	

		biofiltration systems, rain gardens, etc.).	
NE 3.4	Restore water ways to enhance natural flow	Work with federal and state agencies and non-profits to fund the removal of any impediments (concrete channels, rip-rap, culverts, etc.) to the natural flows of streams.	
NE 3.5	Maintain riparian environments.	Work with nonprofits to secure funding to wok with community groups to remove invasive species Review guidelines for native plantings for the riparian environment.	
NE 3.6	Restore degraded stream beds.	Work with federal and state agencies and non-profits to fund restoration of hyporheic zones of streams in heavily impacted areas. Re-seeding healthy benthic invertebrates into restored areas should be researched and considered.	
NE 3.7	Reintroduce native kokanee salmonid populations (<i>Oncorhynchus nerka</i>)	Support nonprofits and private citizens for reintroduction programs facilitated by Fish and Wildlife and Department of Ecology.	New goal and policy in EQ

Focus Area 4. Consumption and Solid Waste (CW)

Vision of the Future: The community practices circular economy principles, reducing the amount of resources used, reusing and repurposing materials, and recycling and composting almost all of what is left.

Goal: Reduce community waste and the GHG emissions associated with



the consumption and disposal of goods and materials.

Solid waste disposal and wastewater treatment account for 2% of community wide GHG emissions. Consuming products also creates "upstream" emissions from the energy and fuel used to produce and distribute goods and materials. The City can reduce these emissions by promoting sustainable consumption and increasing waste diversion. In addition to reducing emissions, waste prevention and diversion can also reduce pollution and litter. Sustainable consumption, in turn, supports Lake Forest Park businesses by promoting local goods.

Community Priorities: Clarify effective recycling and composting in residential and businesses and demonstrate the link to climate change. One community resident responded to the survey that we should, "recycle and compost heavily, use washable towels in place of paper towels, reusable bags, and limit use of plastic".

Table 4. Strategies and Actions for Consumption and solid waste

Strategy #1: Implement circular economy			Where this goes in the Comp Plan
Ref Code	Action	Implementation Ideas/How action is accomplished	Defer to Climate Element
CW 1.1	Reduce municipal purchase of paper	Switch to digital whenever possible for both internal and external	
CW 1.2	Investigate resource sharing across municipalities	Host a Northend cities meeting to plan for the use of shared resources such as vehicles, equipment, and cost saving ideas.	
CW 1.3	Develop Environmentally Preferable Purchasing Policy	Use the federal environmental preferable purchasing policy for products or services that have a reduced effect on human health and the environment.	
Strategy #2: Prevent Waste			New Goal EQ-10 Promote education obn sustainable food production and waste prevention
Ref Code	Action	Implementation	

		Ideas/How action is	
		accomplished	
CW 2.1	Support sustainable local food economy	Support food assistance programs in partnership with the Farmers Market; join the John Hopkins meatless Monday campaign and publicize it to residents	Piolicy EQ-10.1
CW 2.2	Promote educational programs on waste prevention.	Revise the format of the newsletters to have a "climate corner"; distribute information and meal ideas through various city-sponsored media outlets, support the master Gardeners Program and their efforts to encourage home food growing. Require Republic to upgrade their community outreach on what goes where in commercial venues and expand education on household recycling.	Policy EQ-10.2
Strategy #3: Reduce input to landfills			New Goal EQ 11 Promote the reduction of items in the landfill
Ref Code	Action	Implementation Ideas/How action is accomplished	
CW 3.1	Mandate recycling and composting	Revise solid waste Contract to require evidence that commercial and restaurants are effectively recycling and composting, and haulers are documenting diversion rates.	Policy EQ-11-1

CW 3.2	Conduct education on zero waste programs.	Promote alternatives to single use materials. Promote buy nothing and second hand sales. Support community organizations efforts to recycle more and use less plastic and recycle lithium batteries.	Policy EQ-11-2
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Focus Area 5. Community Resilience and Preparedness (CR)

Vision of the Future: People and ecosystems are healthy, thriving, and can respond and adapt to climate change.

Goal: Ensure that all Lake Forest Park residents are prepared for current and future climate impacts.

Increasing community resilience—the community's ability to adapt and respond to



unavoidable climate impacts—is a necessary part of effective climate action. We will center the most vulnerable members of our community as we communicate and build resilience. We will work to clearly define goals and ways partnerships between individuals, communities, and the city will help us attain those goals.

Community Priorities: Climate change is happening so fast that residents are unsure of how to prepare. In our survey, one community respondent stated, "this will take an extraordinary cultural/paradigm shift at all levels (individual to global systems). A gradual rebuild of society in order for all the interconnected systems to be healthy is the only solution."

Table 5. Strategies and Actions for Focus Area 5: Community Resilience and Preparedness

Strategy #1: Prepare for climate emergencies			Where this goes in the Comp Plan
Ref code		Implementation ideas/How action is accomplished	
	Hire an Environmental	Hiring an Environmental Specialist is necessary to oversee the implementation of the cities CAP	Implementation
	energy subsidy information	Create and maintain a central resource, e.g., web presence on the city website, where federal and	ED3.9

		state incentives are nested and	
		state incentives are posted and updated.	
CR 1.3	Increase resilience hubs	In partnership with local agencies, neighboring cities and organizations identify buildings/rooms to use as resilience hubs, for electricity, public heating and cooling centers, and information to the public about these resources. Publicize these locations through regular and routine outreach to residents.	ED 3.9
	Create age specific communication strategies	Co-create climate communications with target communities and organizations —especially youth organizations to ensure that the next generation has a say—on climate and health impacts and emergency resources/warnings during extreme events. Create a neighborhood and youth ambassador program to train and give people the tools and resources to work with their peers to implement many of the actions identified in this plan.	Future
CR 1.5	Create an Climate Emergency management education program	Collaborate with emergency management staff to provide community-based education and engagement activities each year to increase awareness of climate impacts and opportunities for action. Provide free or discounted air filter box fans to vulnerable community members.	CS-7.4
CR 1.6	Educate residents about NEMCO	Support NEMCO efforts to provide information and facilities to deal with extreme weather and plans for respite locations from the impacts of heat, cold, flooding, e.g., cooling stations and rehoming plans.	CS-7.4
Strateg	y #2: Increase adaptive	capacity and resilience	
Ref	Action	How action is	

code		accomplished/implementation ideas	
CR 2.1	Mitigate impacts of green gentrification	Mitigate impacts of green gentrification by pursuing community centered anti-displacement strategies (e.g., eviction prevention and cash assistance) and expanding access to affordable housing resources such as home ownership strategies and climate-related home improvements.	Consider H-1 and H-3
CR 2.2	Review WSDOT's vulnerability assessment	Identify potential climate vulnerabilities e.g., flood prone roads, landslides areas, canopy areas especially vulnerable to climate change, and assist impacted residents to create an emergency action plan.	Future
CR 2.3	Provide environmental mini grants	Provide mini-grants for community climate projects, perhaps in partnership with Kenmore and Shoreline. Projects that either reduce GHG emissions or build community climate resilience and increase funding for community-driven projects.	
CR 2.4	Promote multi-jurisdictional collaboration	Continue to collaborate with nearby municipalities on ways to empower our constituents to reduce their carbon footprint.	Add a new Policy CS6.5 Promote multi-jurisdictional collaboration

^{(*} a "resilience hub" is an existing community-serving facility that is enhanced to support residents and coordinate resource distribution and services before, during, or after a natural hazard event).