		Primary				Primary Responsibil	i			Related Plan/		Emissions	Adaptation	Community					Academic		
Scope Area	Action Level	Action Link	Action ID		Action Type	ty	UBC Lead	Key Partners	Timeline	Policy	Status	Impact	Impact	Connection	Wellbeing	Accessibility	Affordability	Leadership	Connection	Other Equity Considerations	Notes
New Construction	Primary	NC-1	NC-1	Strengthen building performance requirements to achieve net-zero, resilient new construction	)																
New Construction	Sub-action	NC-1	NC-1.1	Undertake a study to support development of resiliency requirements (cooling and air quality), adoption of BC Step Code energy and carbon targets, and cooling energy efficiency performance targets in REAP.	Research /	UBC	C+CP - Green Buildings		Quick start (1-2 years)	REAP		Foundational	Foundational								CAF (code acceleration fund) study funding covers this work. Will also partner with City of Vancouver. Look to minimize risks of individual/portable air conditioners through comfort requirement. Look at global examples of comfort regulations. Align any CEDI or comfort targets with future climate projections. Stay technology agnostic where possible within REAP (but maybe some prescriptions needed - e.g. natural ventilation)
New Construction	Sub-action	NC-1	NC-1.2	Adopt the BC Zero Carbon Step Code, Zero Carbon Performance Step (EL-4) (2025 timeline target )	Regulation	UBC	C+CP - Green Buildings		Quick start (1-2 years)	REAP - 2025 update		High	N/A								Look at Singapore example - for emissions reporting to improve compliance. Commissioning reports for occupancy.
		NC-1	NC-1.3	Adopt Step 4 of the BC Energy Step Code for energy efficiency in advance of Provincial requirement	Regulation	UBC	C+CP - Green Buildings		Near term (3 - 5	REAP		Low	Low								Provincial policy would make this base code for 2032.  Imperative to achieve higher energy efficiency becomes less important once have decarbonized energy source.  CAF (code acceleration fund) study outcomes will inform timing.
New Construction	Sub-action	NC-1	NC-1.4	Review and update REAP building resiliency requirements (cooling and air quality) and cooling energy efficiency targets to address future climate conditions.	Regulation	UBC	C+CP - Green Buildings		Quick start (1-2 years)	REAP		N/A	Medium								CAF (code acceleration fund) study will support these REAP updates. Sizing for future climate conditions safeguards against future retrofits.
New Construction	Sub-action	NC-1	NC-1.5	Review and update REAP on-site energy production and back-up power credits	Regulation	UBC	C+CP - Green Buildings		Near term (3 - 5 years)	S REAP		Low	Low								At what scale, building/site scale, or at the neighbourhood level.  Consider technologies mature in the near term, as well as potential future options.  Explore opportunity from EV in MURB parking garages (car-to-grid).  Is there an opportunity for battery storage? What are the impacts from diesel generators?
New Construction	Sub-action	NC-1	NC-1.6	Update building adaptation and resilience measures in REAP	Regulation	UBC	C+CP - Green Buildings		Near term (3 - 5 years)	S REAP		N/A	Medium								Look to address climate impacts identified through UBC VRA process (e.g. drought and water usage) Look to apply learnings from Institutional buildings resilient building project based on Provincial resilience measures. Consider addressing impacts of lower summer precipitation and droughts, warmer temperatures, extreme weather events.
New Construction	Sub-action	NC-1	NC-1.7	Explore and develop potential performance requirements for refrigerant usage in mechanical systems.	Research / external study	UBC	C+CP - Green Buildings		Near term (3 - 5 years)	REAP		Foundational	N/A								Explore potential quick start items for next iteration of REAP. Will require exploring implications for building-level and NDES systems. Product supply chain is very different for different scale of system. Consider implications of the Kigali amendment. Important when move to whole building life cycle emissions targets. Resources: https://vancouver.ca/files/cov/refrigerant-impact-ghgi-study.pdf https://issuu.com/deepgreenengineering/docs/refrigerantsenvironmental_impacts_elementa/46
New Construction	Sub-action	NC-1	NC-1.8	Establish REAP pre-condition restricting combustion-based fireplaces in new construction.	Regulation	UBC	C+CP - Green Buildings		Quick start (1-2 years)	REAP	Not Started	Low	N/A								Link to REAP indoor air quality requirements. We presently have protection from wildfire smoke via filtration, but there are worse impacts from indoor impacts of natural gas equipment. There is also a financial benefit to developers to not have to bring NG infrastructure to buildings.  1% of natural gas usage globally is due to methane leakage in domestic settings.
New Construction	Sub-action	NC-1	NC-1.9	Review policy for natural gas equipment in new construction (e.g. stoves)	Research / external study	UBC	C+CP - Green Buildings	UNA UBC Properties Trust	Near term (3 - 5 years)	; REAP	Not Started	Low	N/A								Include plan to canvas neighbourhood development community to understand current market demand for natural gas amenities among private developers and also is there a value to a carbon neutral certification.  Link to REAP indoor air quality requirements. We presently have protection from wildfire smoke via filtration, but there are worse impacts from indoor impacts of natural gas equipment.  There is also a financial benefit to developers to not have to bring NG infrastructure to buildings. It's very costly to do this just for 'cooking'.  1% of natural gas usage globally is due to methane leakage in domestic settings.  Consider adding optional credits for cooking equipment, and explore pathway to mandatory compliance.
New Construction	Sub-action	NC-1	NC-1.10	Develop communication materials on health impacts of natural gas equipment in homes.	Resource development	UBC	C+CP - Communications	UNA	Near term (3 - 5	5	Not Started										e.g. fireplaces, cooking equipment Link to work from Canadian Association of Physicians for the Environment. https://cape.ca/
		NC-1	NC-1.11	Showcase successful new buildings projects from UBC and beyond.	Resource development		C+CP - Green Buildings	UNA UBC Properties Trust	Near term (3 - 5 years)	5	Ongoing	Foundational	Foundational								
Existing Buildings	Primary	EB-1	EB-1	Enable retrofits to achieve net-zero, resilient existing buildings																	
Existing Buildings	Sub-action	EB-1	EB-1.1	Advocate to Provincial government to adopt policies, programs, and regulations that support net-zero, resilient building retrofits	Advocacy	UBC	C+CP - Green Buildings	Province of BC BC Hydro	Quick start (1-2 years)		Initiated	High								UBC neighbourhoods disproportionately have a voice.	E.g. 2030 equipment energy efficiency requirements, strata depreciation report, strata concierge program, equity incentives. Province considering enabling local gov to adopt 2030 equipment efficiency requirements ahead of 2030
Existing Buildings  Existing Buildings	Sub-action Sub-action			Undertake retrofit design study to provide detailed information on retrofit design strategies and lifecycle costs.  Develop regulatory pathway to enable retrofit permitting requirements for decarbonization and resilience	Research / external study Regulation	UBC	C+CP - Green Buildings	UBC PT BC Housing BC Hydro  UBC Properties Trust	Quick start (1-2 years)  Near term (3 - 5 years)		Significant Progress	Foundational	Foundational								Explore passive design measures to supplement active cooling systems. Review and integrate Vancouver Coastal Health's climate ready buildings work. This is a critical piece to enable decarbonization pathway and what will allow us to set permitting requirements at time of equipment replacement. Need work to understand what form this needs to take.
Existing Buildings				Implement permitting requirements for low carbon-only equipment replacement for domestic hot water and space heating systems or connection to low carbon Neighbourhood District Energy System. (2030 timeline target)	Regulation	UBC		Secretary (1936)	Long term (6 years +)		Not Started		High								Applies to equipment replacements at end-of-life.  Applies to equipment replacements at end-of-life. Low carbon definition needs to limit/restrict fossil fuel equipment to peaking usage (for NDES and for in-building systems).  Energy performance for space heating should exceed COP of 1.  Build up capacity and incentivize early adoption in lead up to implementing permitting requirement (Provincial Strata Act)  Look at pre-condition requirement for a whole building electrical capacity assessment.

						Primary														
Scope Area	Action Level	Primary Action Link	Action ID	Action	Action Type	Responsibili tv	UBC Lead	Key Partners	Timeline	Related Plan/ Policy		Emissions Impact		Connection We	Accessibility /		Climate Leadership		Other Equity Considerations	Notes
Scope Area	Action Ecver	THE STATE OF THE S	Actionis	Action	Action Type	-,	ODC 2cau	Rey Furthers	Timeline	· oney	Status	Impact	III.puec		 icecssistincy ,	Arroradomey	zeauersinp	Commedian	State of Washington existing building regulation - have	HOICS
																			resources for low income homes, so even when regulations are in place (and other incentives are no longer available)	Consider availability for both whole building and in-suite retrofits.  Need to continue advocacy to Province to ensure financial incentives are available to
Frieties Buildings	Ch+i	ED 1	ED 1 E	Identify incentive opportunities for heat-pump and		LUDG		UNA	Quick start (1-2		latina d	Face dational	Farradakianal						need to consider how to support these equity deserving	all residential tenancy types.
Existing Buildings	Sub-action	EB-1	EB-1.5	electrification retrofits	Policy / Planning	UBC		BC Hydro	years)		Initiated	Foundational	Foundational						groups.	Financial, as well as other incentives (e.g. process support)
Existing Buildings	Sub-action	EB-1	EB-1.6	Explore potential permit process streamlining and other incentives to encourage accelerated adoption of net-zero, resilient, healthy retrofits.	Policy / Planning	UBC			Near term (3 - 5 years)		Not Started	Foundational	Foundational							Review what types of incentives might be possible (e.g. timelines, process streamlining) and explore options for implementation.
																				City of Vancouver, Condo Homeowners Association - will be partners on this
																				Need to look at existing buildings with these systems - is there alternate heating in these spaces?
																				BC Hydro - currently discussing option for incentives for electric replacement of gas fireplaces
																				Consider a demonstration project, with story telling as well
				Explore approaches to transition existing natural					Near term (3 - 5											Whole building replacements might be needed to meet requirements for CleanBC incentives, but might be tricky to implement without displacing large groups of
Existing Buildings	Sub-action	EB-1	EB-1.7	gas fireplaces to low carbon solutions  Implement streamlined in-suite heat pump	Policy / Planning	UBC		UNA	years) Quick start (1-2		Not Started Moderate	Low	N/A						Consider impacts on tenants/people living in spaces	people.
Existing Buildings	Sub-action	EB-1	EB-1.8	permitting requirements	Regulation	UBC		UNA	years)		Progress									
Existing Buildings	Sub-action	EB-1	EB-1.9	Develop plan to facilitate accelerated cooling upgrades in existing buildings.	Policy / Planning	, UBC	C+CP - Green Buildings	UBCPT	Near term (3 - 5 years)		Not Started	N/A	Medium						Prioritize vulnerable community members most at risk from heat events, including with those with limited/restricted mobility.  Consider equity-designed programs to support access for low income residents.	Strong alignment to address key risks from UBC VRA. Action needed to support NCAP target on % units with cooling. Want to move faster here than on decarbonization retrofits. Not all buildings have amenities/common spaces. e.g. subsidized access to portable air conditioning units for vulnerable residents. Neighbourhood building window design will be challenging in many cases. Need supports to help set up this equipment, explore a community/volunteer-led program to install portable cooling equipment.
				Compile summary of global policy and regulations				Sustainability Hub	Quick start (1-2											
Existing Buildings	Sub-action	EB-1	EB-1.10	supporting zero-carbon, resilient retrofits.	external study	UBC		SEEDS	years)		Not Started	Foundational	Foundational							SEEDS or Sustainability Scholar project.
Existing Buildings	Sub-action	EB-1	EB-1.11	Develop materials to support strata councils and building owners to complete building retrofits	Resource development	UBC	C+CP - Green Buildings	ивс	Quick start (1-2 years)		Not Started	Foundational	Foundational							Include developmment of a design guide and supporting decision tools to support strata councils going through the process as part of their deferred maintenance programs.  Look for outcomes from CoV Implementation Offer Study (Brady F, cooling focus), Ashley (decarb retrofit focus).  Ensure materials encompass life cycle impacts (e.g. ongoing maintenance differences) Alignment in materials between UNA and UBC - need to have the same resources/info sheets.  UBC to develop the materials , UNA to deliver public facing pieces
				Require electricity capacity studies in existing buildings as a pre-condition for providing permits					Near term (3 - 5											Strata buildings would be covered under proposed amendments to Strata Act, but
Existing Buildings	Sub-action	EB-1	EB-1.12	for equipment retrofits.	Regulation	UBC		UBC PT	years)		Not Started	Foundational	N/A							need to look at non-Strata buildings
				Develop demonstration projects to provide examples of retrofit approaches ahead of	Pilot / demonstration			UBC PT	Near term (3 - 5											Explore 'storytelling' with community members who go through the process.
Existing Buildings	Sub-action	EB-1	EB-1.13	mandatory requirements	project	UBC		BC Hydro	years)		Not Started	Low	Low							Look to partner with academic researchers.
																				Informed by results of retrofit design study.
Existing Buildings	Sub-action	EB-1	EB-1.14	Develop retrofit plan.	Policy / Planning	UBC	C+CP - Green Buildings	UBC PT	Near term (3 - 5 years)		Initiated	Foundational	Foundational							Include coordination with other local governments and organizations (e.g. City of Vancouver, MBAR) to support the transition to low carbon, resilient retrofits.
Existing Bundings	Sub decion		2.2.1		r oney / r ramming	, 050		ober :			miliated	roundational	roundational							Through Building Benchmark BC.
Existing Buildings	Sub-action	EB-1	EB-1.15	Evaluate and share learnings from building benchmarking program.	Programming	UBC	C+CP - Green Buildings	UNA UBC Properties Trust	Near term (3 - 5 years)	REAP	Ongoing	Foundational	Foundational							Share results with owners, community, UNA, design community, and policy makers at local government and beyond.
New Construction	Primary	NC-2	NC-2	Create tiered embodied carbon performance targets for new construction															Do these actions make it more challenging for lower income individuals to move into the neighbourhoods?	
New Construction	Timary	NC Z	NCZ	targets for new construction															maistadas to move into the neighbourhoods.	
New Construction	Sub-action	NC-2	NC-2.1	Undertake a study to support the development of tiered embodied carbon targets.	Research / external study	UBC	C+CP - Green Buildings		Quick start (1-2 years)	REAP	Not Started	Foundational	N/A							Supported by Climate Acceleration Fund (CAF) study.  Study will include cost implications of embodied carbon targets alongside other performance requirements (e.g. energy efficiency, low carbon). Development industry should be engaged in discussions on cost implications.  Depending on outcomes of study, consider adopting an interim embodied carbon performance target.  Identify a tiered target schedule for REAP.  Consider how fundamental design change at the neighbourhood urban design level (e.g. no underground parkades) can support embodied carbon reductions.  Include research in materials not currently covered by embodied carbon targets (e.g., MEP).
																				Supported by CAF study, including development of reporting templates.
New Construction	Sub-action	NC-2	NC-2.2	Develop and update embodied carbon accounting and reporting requirements.	Policy / Planning	UBC	C+CP - Green Buildings		Quick start (1-2		Not Started	Foundational	N/A							includes updates to UBC Whole Building Life Cycle Assessment Guidelines Ensure alignment with City of Vancouver, reporting template (which is set to become national standard - through Treasury Board federal gov) <cagbc (ref="" -="" 10%="" 2025<="" <need="" a="" accounting="" adopt="" allowed="" also="" and="" are="" as="" assumptions="" boundaries?="" build="" capacity="" carbon="" collection="" contribute="" cov)="" credit?="" data="" deliver="" do="" elements?="" embodied="" explore="" future.="" have="" holistic="" how="" in="" incent="" include="" including="" industry="" items="" just="" lca="" looking="" mep?="" monitoring="" more="" need="" not="" off="" on="" optional="" or="" overall="" pieces="" precondition="" pushed="" raw="" reap="" reduction="" report,="" set="" shared,="" site?="" some="" standard="" summary="" target="" targets="" td="" the="" these="" this="" tiered="" to="" up="" we="" well=""></cagbc>
				Adopt 10% embodied carbon reduction requirement compared to baseline building and																update to REAP. Consider optional credits for proven prescriptive design strategies, or even parallel
New Construction	Sub-action	NC-2	NC-2.3	develop tiered target schedule for REAP. (2025 timeline target)	Regulation	UBC	C+CP - Green Buildings		Quick start (1-2 years)		Not Started	Low	N/A							approach (prescriptive or reduction vs baseline)>prescriptive steps would likely negate the need for LCA accounting - saving paperwork

		Primary				Primary Responsibili				Related Plan/		Fmissions	Adaptation	Community	Health &		Climate	Academic		
Scope Area	Action Level	Action Link	Action ID	Action	Action Type		UBC Lead	Key Partners	Timeline	Policy						Accessibility			Other Equity Considerations	Notes
				Explore adopting a total carbon footprint target for new construction and study the long term pathway			CICR Cross	UBC PT	Near torm /2											CAF study will include study on relationship between embodied and operational emissions.  MEP also needs to be included before a total carbon footprint target is formally adopted in regulation.  Net zero embodied target Informed by World Green Building Council Net Zero Carbon Buildings commitments (By 2030, all new buildings, infrastructure and renovations will have at least 40% less embodied carbon with significant upfront carbon reduction, and all new buildings are net zero operational carbon. By 2050, new
New Construction	Sub-action	NC-2	NC-2.4	to net zero embodied carbon in buildings	external study		C+CP - Green Buildings		Near term (3 - 5 years)	REAP	Not Started	Foundational	N/A							buildings, infrastructure and renovations will have net zero embodied carbon, and all buildings, including existing buildings must be net zero operational carbon.)  Target for adoption - 2030
New Construction	Sub-action	NC-2	NC-2.5	Adopt 40% or greater embodied carbon reduction requirement (2030 timeline target)	Regulation	UBC	C+CP - Green Buildings		Long term (6 years +)	REAP	Not Started	Medium	N/A							Target may be adjusted based on results of study into feasibility on whole building carbon targets, as well as improvements to accounting practices.  Aligns with World Green Building Council net zero vision.
New Construction	Sub-action	NC-2	NC-2.6	Develop communication materials for residents on embodied carbon policy	Resource development	UBC	C+CP - Communications	UNA UBC Sustainability Hub	Near term (3 - 5 years)	S REAP	Not Started	Foundational	N/A							Considering impacts at site, neighbourhood and regional scale.  Additionally, look to share documentation on our discussions on how we're approaching setting policy, reporting, etc to help inform other policy makers.
New Construction	Primary	NC-3	NC-3	Support industry adoption of improved embodied carbon performance.																
New Construction	Sub-action	NC-3	NC-3.1	Showcase successful projects that demonstrate how to achieve low embodied carbon targets	Research / external study	UBC	C+CP - Green Buildings	UBC Sustainability Hub	Near term (3 - 5	5	Not Started	Foundational	N/A							PT has some example, as well as Institutional projects Virtuoso project - structural mass timber Look to showcase industry capacity to deliver proposed embodied carbon targets. Tie into embodied carbon research being done through Sustainability Hub.
																				Focus on high impact materials (e.g. concrete, bitumen layer in the roof, insulation etc.). This would support development of potential prescriptive requirements for some
New Construction				Update prescriptive standards for building materials. Utilize submitted lifecycle assessment (LCA) data	Research / external study Research /		C+CP - Green Buildings C+CP - Green	UBC Sustainability Hub	Quick start (1-2 years) Near term (3 - 5			Foundational	,							building materials (could supplement building level targets).  Review across common building archetypes (there will be differences).
New Construction  Existing Buildings	Sub-action Primary	NC-3 EB-2	NC-3.3 EB-2	to support embodied carbon studies.  Explore embodied carbon performance targets for existing building projects	external study	OBC	Buildings	OBC Sustainability Hub	years)		Not Started	Foundational	N/A							
Existing Buildings	<b>Sub-action</b>	EB-2	EB-2.1			UBC	C+CP - Green Buildings	UBC PT	Near term (3 - 5 years)	5	Not Started	Foundational	N/A							Consider offering credit if consider embodied emissions in retrofit projects (link to regulation/permitting coming for emissions reductions in existing building retrofits) UBC PT buildings have easier pathway/more options to considering these pieces vs strata buildings (e.g. larger retrofits maybe captured through permitting, but interiors would be able to influence PT, but harder for stratas) Resource on embodied carbon of retrofits in a UK context - LETI Climate Emergency Retrofit Guide: https://www.leti.uk/retrofit Will need incentives for stratas - land lease implications Review data from City of Toronto existing building project What is typical lifetime - are these buildings built to last 300 years, or only 1 renewal - 50 year lifetime and then demo. For shorter (expected) lifetime - does it make sense to address existing buildings embodied in retrofits. Concrete buildings will likely last longer than lease lifetime, but not true for wood frame
New Construction	Primary	NC-4	NC-4	Improve awareness and processes of UBC's Residential Environmental Assessment Program (REAP) process																Improve process (toolkits, clarity) Improve regulatory process to ensure buildings comply with REAP requirements.
New Construction				Review and develop improvements to REAP process.	Policy / Planning	UBC	C+CP - Green Buildings	UBC PT	Quick start (1-2 years)	? REAP	Initiated	Foundational	Foundational							Currently exploring process to add a mid-construction review to try to avoid issues at occupancy.  When adding more requirements, we should consider the time allowed for these processes to target sufficient time to commission.  Consider applying institutional standards (there is a envelope commissioning requirement add on).  UBC PT shares relevant UBC policy info with developers when leases are brought to
New Construction	Sub-action	NC-4	NC-4.2	Develop clear guidelines to share with developers on upcoming policy in future REAP iterations	Resource development	UBC	C+CP - Green Buildings	UBC PT	Quick start (1-2 years)	REAP	Not Started	Foundational	Foundational							DBC PT shares relevant OBC poincy into with developers when leases are brought to market, it would be helpful to provide more clarity on NCAP policy that will impact future buildings.
New Construction	Sub-action	NC-4	NC-4.3	Develop communication materials for REAP that target building owners and community members.	Resource development	UBC	C+CP - Communications	UNA	Near term (3 - 5 years)	5 REAP	Not Started	Foundational	Foundational							
Transportation & Mobility	Primary	TM-1	TM-1	Support sustainable transportation through neighbourhood design																
Transportation & Mobility	Sub-action	TM-1	TM-1.1	Prioritize curb space to support sustainable modes where possible in amended and future neighbourhood plans.	Policy / Planning	UBC	C+CP - Transportation	UNA UBC Properties Trust	Quick start (1-2 years)	Neighbourhood Plans Transportation Plan	Not Started	Foundational	N/A							E.g. car share, ZEV Explore how to implement in existing neighbourhood areas.
Transportation & Mobility	Sub-action	TM-1	TM-1.2	Designate curb space to support essential pick-up, drop-off, and delivery activities in amended and future neighbourhood plans.	Policy / Planning	UBC	C+CP - Transportation	UNA UBC Properties Trust	Quick start (1-2 years)	Neighbourhood Plans Transportation Plan	Not Started	Foundational	N/A							e.g. induce high turnover to enable short trips, carpooling, services, and deliveries Include considerations for low carbon deliveries, such as adequate space for electric cargo bikes. Explore how to implement in existing neighbourhood areas.
Transportation &	Sub-action			Preserve adequate rights-of-way for potential future transit and active transportation infrastructure in amended and future neighbourhood plans.	Policy / Planning		C+CP - Transportation	UNA UBC Properties Trust		Neighbourhood Plans Transportation	Not Started									Plan for additional walking and cycling capacity needs of corridors connecting to/from rapid transit stations
Transportation &				neighbourhood plans.  Explore retrofits to existing neighbourhoods to support rights-of-way for future transit and active transportation infrastructure.	Policy / Planning Policy / Planning		C+CP - Transportation	UNA UBC Properties Trust		Flan  Transportation Plan		Foundational								Informed by updated standards for new neighbourhood areas.
Transportation & Mobility Transportation & Mobility	Sub-action		TM-1.5	Investigate alternative approaches to supplying resident, customer and visitor parking that meets interim needs while enabling adaptive reuse if/when parking demand declines.  Support sustainable, low carbon goods delivery	Policy / Planning		C+CP - Transportation	UNA UBC Properties Trust	Near term (3 - 5 years)	5 Transportation Plan	Not Started									UBCPT exploring options to provide adequate parking without impacting efforts to increase mode shift (e.g. temporary parking lots in future development sites). Explore establishing more stringent parking regulations/design limits in future when increased transit service and expanded active transportation networks are in place.  Look at work at regional scale - partner with TransLink.
woonity	rmiary	TWIZ	TIME	Tapport Sustamable, low carbon goods delivery																25 ok at Work at regionar scare - partiter with Translink.

			Primary				Primary Responsibili	i			Related Plan/		Emissions	Adaptation	Community	Health &		Clim	nate Academic		
Scope Area	Actio	ion Level	Action Link	Action ID	Action	Action Type	ty	UBC Lead	Key Partners	Timeline	Policy	Status	Impact	Impact	Connection	Wellbeing	Accessibility	Affordability Lead	dership Connection	Other Equity Considerations	Notes  Potential pilot could test and develop long-term enforcement and management
Transportation	n &				Investigate policy changes and/or pilot programs that encourage the use of low carbon devices (e.g.			C+CP -	UNA	Near term (3 -	5 Transportation										policies for low carbon goods delivery programs. Based on results of pilot projects, look to implement findings/programs throughout
Mobility		-action	TM-2	TM-2.1	cargo bikes) for local / last mile deliveries.	Policy / Planning	UBC	Transportation	UBC Properties Trust	years)	Plan	Not Started	Low	N/A							neighbourhoods.
					Explore opportunities to allocate flexible hardscape space in new developments suitable for																
Transportation Mobility		-action	TM-2	TM-2.2	use by low-carbon delivery vehicles (e.g. cargo bikes).	Policy / Planning	UBC	C+CP - Green Buildings	UBC Properties Trust	Quick start (1-2 years)	REAP	Not Started	Low	N/A							Consider space for bicycle couriers, including those with electric cargo bikes.
					Design neighbourhood streets and cycling infrastructure to accommodate low carbon						Neighbourhood Plans										
Transportation Mobility		-action	TM-2	TM-2.3	deliveries where possible in amended and future neighbourhood plans.	Policy / Planning	LIBC	C+CP - Transportation		Quick start (1-2	? Transportation	Not Started	Low	N/A							Consider space for bicycle couriers, including those with electric cargo bikes.
		-action	1101-2	1101-2.3	Expand and enhance active transportation	Folicy / Flatilling	ОВС	Transportation		years	Fidil	Not Started	LOW	N/A							consider space for picycle counters, including those with electric cargo lines.
Transportati Mobility		nary	TM-3	TM-3	network to, from, and around the neighbourhoods for all ages and abilities																
											Neighbourhood Plans									Prioritize safety and comfort of persons with disabilities and	
Transportation Mobility		-action	TM-3	TM-3.1	Incorporate accessibility measures into future and amended neighbourhood plans	Policy / Planning	UBC	C+CP - Transportation	UNA UBC Properties Trust	Quick start (1-2 years)	? Transportation Plan	Not Started	Low	Low						vulnerable road users - when we enhance their mobility everyone benefits.	Use inclusive messaging that doesn't tie climate action to being able-bodied, active modes are not accessible to all.
,						,, ,			·		Neighbourhood										
Transportation					Prioritize safe, efficient, and connected cycling infrastructure where possible in amended and			C+CP -	UNA	Quick start (1-2	Plans Transportation										
Mobility	Sub-	-action	TM-3	TM-3.2	future neighbourhood plans.	Policy / Planning	UBC	Transportation	UBC Properties Trust	years)	Plan Neighbourhood	Not Started	Medium	Low							
Transportation	n &				Prioritize and protect connected greenspaces in			C+CP -	UNA	Ouick start (1-2	Plans Transportation										To discuss - tension between cyclists vs other modes of active transportation on these
Mobility		-action	TM-3	TM-3.3	amended and future neighbourhood plans.	Policy / Planning	UBC	Transportation	UBC Properties Trust	years)	Plan	Not Started	Low	Medium							routes.
					Incorporate safe, comfortable sidewalk design for						Neighbourhood Plans										
Transportation Mobility		-action	TM-3	TM-3.4	users of all ages and abilities in amended and future neighbourhood plans.	Policy / Planning	UBC	C+CP - Transportation	UNA UBC Properties Trust	Quick start (1-2 years)	? Transportation Plan	Not Started	Low	Low							
Transportation	n &				Work with UNA to improve accessibility features of existing neighbourhood active transportation	F		C+CP -	UNA	Near term (3 -	5 Transportation										
Mobility	Sub-	-action	TM-3	TM-3.5	networks and public spaces.	Coordination	UBC	Transportation	UBC Properties Trust	years)	Plan	Not Started	Low	Low							e.g. multi-sensory wayfinding, legible signage, connected cycling paths
																				Target supports towards more vulnerable users.	
Transportation					Study ways to improve access to active transportation through equity-oriented	Research /					2 Transportation									Reference work from Community Social Planning Council's Transportation Access, Climate and Economic Security	Also consider equity for shared mobility options (e.g. e-bike share, bike share).  Explore partnerships with shared mobility providers.
Mobility	Sub-	-action	TM-3	TM-3.6	programming.	external study	UBC		UNA	years)	Plan	Not Started	Low	Low						(TACES) program (e.g. Saanich e-bike equity program).  Consider how to engage groups who have barriers to access	Investigate best practices for developing equity-oriented funding.
																				cycling (e.g. recent immigrants, low income)  UBC Bike Kitchen is considering running a 'learn to ride'	Look for opportunities to expand current neighbourhood programming, which
T	- 0				Explore potential to expand UBC's Bike Kitchen			C+CP - Communit	у	Outleto stant (1.5										program for newcomers.	includes pop-up drop-in clinics (bike tune-ups, cycling maps, resources).
Transportation Mobility		-action	TM-3	TM-3.7	programming within existing and future neighbourhoods.	Programming	UNA	Programs & Outreach		Quick start (1-2 years)	4	Not Started	Foundational	Low						into neighbourbourhood communities.	Promotion of repair will also help achieve neighbourhood goals with respect to reducing waste.
																					Consider space allocations to support increased cycling uptake, including of cargo
																					bikes. Existing REAP requirements specify a 10% oversized spaces. Current requirements
Transportation Mobility		-action	TM-3	TM-3.8	Maintain and review bike parking requirements for New Construction	Policy / Planning	LIBC	C+CP - Green Buildings		Near term (3 - years)	S REAP	Not Started	Foundational	N/A							exceed most other municipalities.  Will review policy at future REAP update cycles to confirm if any changes are needed.
Wiobility	Jub-	-action	TIVI-3	11VI-3.8		Folicy / Flatilling	ОВС	bullulligs		yearsy	NEAF	Not Started	Todildational	N/A							will review policy at future near appeare cycles to commit it any changes are needed.
Transportati	n &				Continue engaging with Translink to expand and enhance transit service to, from and around the																
Mobility	Prim	nary	TM-4	TM-4	neighbourhoods for all ages and abilities																
Transportation	n &				Support and advocate for SkyTrain and other rapid transit expansion to campus including stations			C+CP -	UNA	Quick start (1-2	,										
Mobility		-action	TM-4	TM-4.1	within walking distance of neighbourhoods	Advocacy	UBC	Transportation	Translink	years)		Initiated	Foundational	Foundational							
					Plan for increased frequency and coverage of						Neighbourhood Plans										Target frequency of service, as well as coverage of service. Plans should include design standards for transit stops that are accessible to all ages
Transportation Mobility		-action	TM-4	TM-4.2	service for intra-campus transit service in amended and future neighbourhood plans.	Policy / Planning	UBC	C+CP - Transportation	TransLink MOTI	Near term (3 - years)	5 Transportation Plan	Not Started	Low	Low							and abilities, as well as connected to active transportation networks and shared micro mobility hubs.
					Recommend design standards for transit stops that																
					are accessible to all ages and abilities, as well as connected to active transportation networks and						Neighbourhood Plans										
Transportation Mobility		-action	TM-4	TM-4.3	shared micro mobility hubs are included in amended and future neighbourhood plans.	Policy / Planning	LIBC	C+CP - Transportation		Quick start (1-2	? Transportation	Not Started	Foundational	Foundational							Will enable safe, accessible, and convenient travel to and from transit stops.
widdilly	SuD-	activii	1 IVI~+	1141-4.3	amenaea ana ratare neighboarnooa pians.	oncy / Flaming	OBC	i ansportation		yearsy	riali	140t Starteu	Junudlional	Junuational							win chaon: sare, accessione, and convenient daver to and πoin daisit stops.
Transportation					Explore options for improving transit affordability					Near term (3 -	5									Target efforts towards equity-deserving groups (e.g. youth,	Consider advocating to TransLink to expand free fare for all youth (currently free for
Mobility		-action	TM-4	TM-4.4	for neighbourhood residents  Apply a climate resilience and safety lens to the	external study	UBC		UNA	years)		Not Started	Foundational	N/A						low income)	ages 5 - 12)
Transportati Mobility		nary	TM-5	TM-5	planning and design of streets and other transportation infrastructure.																
mobility					portation initiativacture.																Considering items such as: Shading and covered shelters at public transit facilities,
																					shading along active transportation networks, benches and other residence-oriented furniture (e.g. misting stations), lighting along active transportation networks,
Transportation	n &				Develop resilience and safety standards for transportation networks to include in future and				UNA	Quick start (1-2	Neighbourhood									Target feedback/collaboration from persons with disabilities	alignment with UBC institutional standards Consider mapping locations of these features for future reference by community
Mobility		-action	TM-5	TM-5.1	amended Neighbourhood Plans.	Policy / Planning	UBC		UBC Properties Trust	years)	Plans	Not Started	Foundational	Foundational						and vulnerable residents.  Prioritize retrofits based on review of existing measures and	members.
					Evolute appartunities to set-fix															gaps to improve equity within neighbourhoods.	Considering items such as: Shading and covered shelters at public transit facilities,
Transportation			T. 4 5		Explore opportunities to retrofit existing neighbourhood transportation networks to	Dulling ( 5)			UNA	Near term (3 -	5									Potential to link in with larger equity mapping process, looking at measures under ecology, climate emergency	shading along active transportation networks, benches and other residence-oriented furniture (e.g. misting stations), lighting along active transportation networks,
Mobility	Sub-	-action	TM-5	TM-5.2	improve resilience and safety.	Policy / Planning	UNA		UBC Properties Trust	years)		Not Started	Foundational	Foundational						preparedness, etc.	alignment with UBC institutional standards
Transportation	n &				Ensure a level of redundancy in the transportation network to ensure mutiple means of access and					Near term (3 -	5 Transportation										
Mobility Transportation	Sub-	-action	TM-5	TM-5.3	egress in the event of disruptions or emergencies.  Continue support for community led active /	Policy / Planning	UBC		МОТІ	years) Quick start (1-2	Plan	Not Started	Foundational	Foundational							Considering modes and routes to travel to, from and around campus.
Mobility		-action	TM-5	TM-5.4	sustainable mobility initiatives	Programming	UNA			years)		Initiated	Low	Low							e.g. school walk programs, bike jams

		Primary			Primary Responsibili	i			Related Plan/		Emissions	Adaptation	Community	Health &		(	Climate	Academic		
Scope Area	Action Level	Action Link	Action ID	Action	Action Type ty	UBC Lead	Key Partners	Timeline	Policy	Status	Impact	Impact	Connection	Wellbeing	Accessibility A	Affordability L	.eadership	Connection	Other Equity Considerations	Notes
Transportation &	Primary	TM-6	TM-6	Expand shared mobility within UBC's residential neighbourhoods (e.g. bike share, e-bike share, car share, other micro mobility programs)																
Wiesincy	rimary	1101-0	1101-0	Ensure neighbourhood development includes																
Transportation & Mobility	Sub-action	TM-6	TM-6.1	allocation of space and provision of electricity for shared mobility programs.	Policy / Planning UBC		UNA UBC Properties Trust	Quick start (1-2 years)	Neighbourhood Plans	Not Started	Low	N/A								
Transportation &				Complete study into neighbourhood transportation preferences to understand factors					5 Transportation											Development funds are collected to support car share. To date public uptake has been slower than anticipated. Partner organizations (e.g. Modo) will only provide cars when there is proven demand.  Study should explore why uptake has been lower than expected and look to
Mobility Transportation &	Sub-action	TM-6	TM-6.2	influencing shared mobility uptake. Support and enable the transition to zero	external study UBC		UNA	years)	Plan	Not Started	Foundational	Foundational								understand transportation preferences and barriers to alternatives.
Mobility Transportation &	Primary	TM-7	TM-7	emission vehicles (ZEV) Review EV requirements for New Construction and		C+CP - Green		Quick start (1-2												
Mobility	Sub-action	TM-7	TM-7.1	update as needed.	Policy / Planning UBC	Buildings	UBC Properties Trust	years)	REAP	Not Started	Medium	N/A								
Transportation & Mobility	Sub-action	TM-7	TM-7.2	Develop plan to support retrofits for ZEV charging infrastructure within existing buildings	Policy / Planning UBC		UNA	Near term (3 - 5 years)	5	Not Started	Medium I	N/A								Including support for access to incentives.
Transportation & Mobility	Sub-action	TM-7	TM-7.3	Undertake planning to support expansion of public EV charging network.	Policy / Planning UBC		UNA UBC PT BC Hydro	Quick start (1-2 years)		Initiated	Foundational	N/A								Continue to coordinate with BC Hydro on total electricity demand within the neighbourhoods. Coordinate with Hydro on EV infrastructure plan at neighbourhood scale to adequately allocate EV charging including associated infrastructure.
Transportation &				Provide increased access to public and/or dedicated charging stations for car-share or ride			UNA UBC PT	Quick start (1-2												Will support transition of carshare and ride hailing to ZEV Exploring dedicated access for Level 2 chargers for car share. There are licensing issues to consider with the UNA.
Mobility Transportation &	Sub-action	TM-7	TM-7.4	hailing vehicles. Explore options for local monitoring of	Policy / Planning UBC		BC Hydro	years)		Not Started										Deliveries/ride hail supported by expanded public fast chargers.
Mobility	Primary	TM-8	TM-8	neighbourhood transportation metrics																
Transportation & Mobility	Sub-action	TM-8	TM-8.1	Complete study to explore how to track neighbourhood transportation patterns and emissions.	Research / external study UBC		UNA	Near term (3 - 5	5 Transportation Plan	Not Started	Foundational	N/A								Current modelling uses data and projections from the Regional Transportation Model, which is updated infrequently.  Study should look into methods of gathering data on mode and kilometers travelled from neighbourhood residents to enable more frequent tracking of changes.
Waste, Materials &				Support the UNA in establishing community zero	external study obe		Cita	yearsy	T IOII	not started	T Garriage Cortain	1.47.								
Consumables  Waste, Materials &	Primary	WC-1	WC-1	waste initiatives  Enable sharing for infrequently used items (e.g. tool share, camping/outdoor equipment, party																Recreation staff can be used to help run things like this. Don't have space to house these items in UNA facilities (e.g. rec centre). Maybe look for volunteer and shared at
Consumables Waste, Materials &			WC-1.1	supplies) Create and expand community hubs to support consignment and re-use (e.g. community yard	Programming UNA					Not Started		N/A N/A								individual community homes/residences to get around space needs.  Look for business partnerships, (e.g. thrift store) to help enable these.  Support/expand use of community sharing apps are available (e.g.,
Consumables Waste, Materials &	Sub-action		WC-1.2	sale)  Create programming designed to support repair	Programming UNA					Initiated		,,,,								https://minivillage.ca/ubc-residents)
Consumables Waste, Materials &	Sub-action	WC-1	WC-1.3	(e.g. clothing, bicycles, electronics, etc.)  Explore options to support UNA programming for	Programming UNA			Quick start (1-2		Not Started	Low	N/A								Such as potential research projects, or connection to UBC campus Zero Waste
Consumables Waste, Materials &	Sub-action	WC-1	WC-1.4	community zero waste initiatives.	Programming UBC		UNA	years)		Not Started	Foundational I	N/A								Initiatives
Consumables	Primary	WC-2	WC-2	Support improved waste diversion and reduction																
Waste, Materials & Consumables	Sub-action	WC-2	WC-2.1	Support and facilitate awareness and behavioral change campaigns on waste diversion and waste reduction	Coordination UNA			Quick start (1-2 years)		Not Started	Foundational	N/A								Align/supplement with resources from Campus ZWAP to support waste diversion.
Waste, Materials & Consumables	Sub-action	WC-2	WC-2.2	Expand and enhance UNA Green Depot	Programming UNA			Near term (3 - 5 years)	5	Not Started	Low	N/A								
Waste, Materials & Consumables	Sub-action	WC-2	WC-2.3	Review and, where feasible, strengthen requirements for waste separation and disposal facilities in new neighbourhood buildings through future REAP updates.	Regulation UBC	C+CP - Green Buildings		Near term (3 - 5 years)	5 REAP	Not Started	Low	N/A								Lots of challenges on common spaces (bike parking, waste, parking etc) in all buildings. Only option is to add additional parking levels (\$\$\$).
Waste, Materials &				Review recycling and organics service in existing	Research /			Near term (3 - 5	5											Think all buildings are using a waste hauler aligned with MV standards that require recycling services - but enforcement is lax in practice.
Consumables Waste, Materials &	Sub-action	WC-2	WC-2.4	residential properties Support and expand public waste sorting and	external study UBC		UNA	years) Long term (6		Not Started	Foundational I	N/A								Potential to consider UNA bylaw on recycling and organics.
Consumables	Sub-action	WC-2	WC-2.5	disposal infrastructure	Programming UNA			years +)		Not Started	Low	N/A								Land challenges - access to space is current challenge for UNA. Yard space needed.
Waste, Materials & Consumables	Sub-action	WC-2	WC-2.6	Explore expansion of community recycling facilities (e.g. planned South Campus recycling facilities).	Programming UBC			Long term (6 years +)		Not Started	Low	N/A								Additional space needed to support improved reuse, and recycling.
Waste, Materials & Consumables	Sub-action	WC-2	WC-2.7	Adopt improved target in REAP requiring buildings to prepare and implement a Waste Management Plan that diverts 90% (by weight) of construction and demolition waste from landfill.	Regulation UBC	C+CP - Green Buildings		Near term (3 - 5 years)	5 REAP	Not Started	Low	N/A								Current REAP requires 85%
Waste, Materials &				Review and, where feasible, strengthen construction and demolition standards in future REAP updates to reduce and eventually eliminate disposal of any reusable, compostable, or		C+CP - Green		Long term (6												
Consumables	Sub-action	WC-2	WC-2.8	recyclable materials.	Policy / Planning UBC	Buildings		years +)	REAP	Not Started	Low	N/A								Consider changing the metric to kg/m2 limit on waste vs % diversion.
Waste, Materials & Consumables	Sub-action	WC-2	WC-2.9	Advocate and support improvements to recycling processes (e.g. Extended Producer Responsibility programs, Canada Plastics Pact).	Advocacy UBC		Metro Vancouver Province of BC	Quick start (1-2 years)		Not Started	Low	N/A								Province of BC, Extended Producer Five Year Action Plan https://www2.gov.bc.ca/assets/gov/environment/waste- management/recycling/recycle/extended_producer_five_year_action_plan.pdf Canada Plastics Pact: https://plasticspact.ca/
Waste, Materials & Consumables	Primary	WC-3	WC-3	Improve local monitoring of waste generation and diversion																
Waste, Materials &	Sub-action		WC-3.1	Complete study to explore how to track construction and demolition waste.	Research / external study UBC		UBC PT	Near term (3 - 5 years)	5	Not Started	Foundational I	N/A								UBC PT has some tracking set up with current practices, explore how to leverage this data to track our progress.
Waste, Materials & Consumables	Sub-action	WC-3	WC-3.2	Complete study to explore how to better track residential waste generation and diversion for ongoing monitoring.	Research / external study UBC		UNA UBC PT (Wesbrook Properties / Village Gate Homes)	Near term (3 - 5	5	Not Started	Foundational	N/A								Consider partnering with UBC PT since likely will have single waste hauler company.  Some residential buildings using IoT to monitor the waster diversion to ensure residents put the waste into the right bin.
Waste, Materials & Consumables	Primary	WC-4	WC-4	Support development of community resources around consumption choices (e.g. food, air travel)																

Company   Comp																Primary							
Company   Comp		Notes		Other Equity Considerations			Accessibility				Status			Key Partners	UBC Lead		Action Type	А	D Action	Action ID		Action Level	Scope Area
Company   Comp		Notes -				rinordability	,					•	Near term (3 - 5			LIDG	Research /	ort R	Explore potential research projects to support				Waste, Materials &
March   Marc									N/A	Foundational	Not Started		years)	UNA		UBC	external study			WC-4.1	WC-4	Sub-action	Consumables
The color of the									N/A	Foundational	Not Started	5				LINA		tion R		WC-4 2	WC-4	Sub-action	
Company   Comp									1477	roundational	Not Started		yearsy			0.0.1	acvelopment					Sub decion	Adaptation &
Control   Cont	of 2024.	Work will complete in first half of 2024												UNA				ocess.	Complete climate adaptation planning process.	AR-1	AR-1	Primary	Resilience
Page	Canada's Building Adaptive and Resilient	Work undertaken through ICLEI Canad							Foundational	NI/A		2		UBC Emergency		LIBC	Doliny / Dlanning			AD 1 1	AD 1	Cub action	
Column   No.   Column   No.   Column   No.   Column   No.   Column   No.   N		Communities (BARC) framework.							Foundational	N/A	Progress		years)			ORC	Policy / Planning	P	(2024 timeline target )	AK-1.1	AK-1	Sub-action	Kesilience
## 12   19   19   19   19   19   19   19	ork plan based on outputs of this work	Undate overall NCAP actions/work pla							Foundational	N/A	Not Started	2			1	LIBC	Policy / Planning			AR-1 2	ΔR-1	Sub-action	
March   Marc	nk plan based on outputs of this work.	opuate overall iveral actions, work plan							roundational	N/A	Not Started		yearsy	Wanagement		OBC	r oney / r tanning		(2020 timeline target)	AN 1.2	ARI	Sub detion	Resilience
March   Marc																							
Column																		SY .		NI-1	NI-1	Primary	
Page	to near zero emissions transition, cooling service																						
Part															1								
Column	ected online around 2027, and will provide low	Permanent Wesbrook node expected of													1								
Designation   March	all new buildings. UBC is working with Corix to	carbon thermal energy supply to all ne	1												1								
Processor   Proc	ig NDES supply to low carbon energy supply arou								Foundational	Foundational	Initiated	2		Corix	1	UBC	Coordination			NI-1.1	NI-1	Sub-action	-
Processor   Proc																							
Manufacture	es to DE connected buildings to offset some of the NDES utility rates. The implications of this, and oth																						
Martin   M												,	Ouick start (1-2	Corix									Neighbourhood
Martine   Mart			į						N/A	N/A	Initiated					UBC	Policy / Planning			NI-1.2	NI-1	Sub-action	
Martine   Mart															1								
Table of the control												5						stem is R	how the Neighbourhood District Energy System is				-
Margin Column   Margin   Mar									Foundational	Foundational	Not Started		years)	Corix	Communications	UBC	development			NI-1.3	NI-1	Sub-action	Infrastructure Neighbourhood
March   Control   Contro																		.•		NI-2	NI-2	Primary	Infrastructure
Separation   Processing   Pro	ty demand plan that incorporates expected impac	Recommend a strategic electricity dem										2	Quick start (1-2		1			ood	Coordinate and plan for future neighbourhood				Neighbourhood
Miground									Foundational	Foundational	Initiated		years)			UBC	Policy / Planning			NI-2.1	NI-2	Sub-action	
Reference of the control of the cont	nt requirements for new buildings/retrofits, smart	e.g. EV charger load management requ										2	Quick start (1-2						Develop policies to support energy demand				Neighbourhood
Procedure   Processing   Proc		thermostats	1						Foundational	Foundational	Not Started		years)	Corix		UBC	Policy / Planning	P	management	NI-2.2	NI-2	Sub-action	Infrastructure
Legislandors Legis																							
Anglighouse of the control of the co																			for neighbourhood infrastructure projects	NI-3	NI-3	Primary	Infrastructure
Registromery Applications Appli																							
Membrane Section 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1																		mbodied	Review potential approaches to develop embodied				
Interference of the control of the c	e moved out of building and into other areas withi								N/A	Foundational	Not Started	5				LIBC				NI-3 1	NI-3	Sub-action	
Sugification of Substance	ing structures), demning boundaries will be critical	the neighbourhood (e.g. DE, parking 30							NA	roundational	Not Started		yearsy	COTIX		OBC	external study		Update Integrated Rainwater Management Plan	141 3.1	IN 3	Sub detion	Neighbourhood
Sub-extron  Miss Modelling  Model																			to consider climate adaptation.	NI-4	NI-4	Primary	Infrastructure
Neighborhood with actual to Man And Ma	cate reduced summer precipitation and increased								Farradational	N/A					C+CD IDMD	LIDC	Dalias / Dlanaina			NII 4 4	NII 4	Cub astina	
Infrastructure with section of the s	pring.	precipitation in fail, winter, and spring.	s to these areas.	allowing us to target interventions to tr					Foundational	N/A	Progress	IRIVIP	years)		C+CP - IKMP	ORC	Policy / Planning		•	NI-4.1	NI-4	Sub-action	Intrastructure
Registromfood information with a No.3 amagement. Sub-action No.4 No.3 amagement. Policy Finning Us. Corp. RMP No.5 Started	ystems offer important ecosystem services for floo								Medium	N/A	Initiated	2 IRMP			C+CP - IRMP	LIBC	Policy / Planning			NI_4 2	NI-4	Sub-action	
Neighbourhood Infrastructure Sub-action N-4 Ni-4 Report of Commentation in Nov our claimage registers are neighing UES development with the properties of th	at at the source, to minimize downstream impacts	Optimize rainwater management at the							Wicalam	N/A		2	Quick start (1-2					r	Develop performance targets for rainwater				Neighbourhood
Developed materials on how our registrocture of Sub-action M14 N14A N14 N14A N14 N14A N14A N14B N14B N14B N14B N14B N14B N14B N14B											Not Started	IRMP	years)		C+CP - IRMP	UBC	Policy / Planning	P	management.	NI-4.3	NI-4	Sub-action	Infrastructure
Infrastructure Sub-action 01-4 N.4.4 neighbourhoods adapt to our changing dimate development. USC Communications UNA years) 8MP Not Started Name are included in ILIR Consulty in English count of the properties		projects.	İ												1			our	Develop communication materials on how our				
today nimary 5-1 S-1 S-1 S-1 S-1 S-1 S-1 S-1 S-1 S-1 S											Not Started			UNA		UBC				NI-4.4	NI-4	Sub-action	•
Ecology Sub-action Es-1 Es-1 Sub-action Ecology Sub-action Sub-action Es-1 Es-1 Sub-action Sub-acti																			Integrate ecosystem services throughout				
Ecology Sub-action ES-1 ES-1.1 ES-1.1 ES-1.2 billowing for areas underserved by existing ecosystems, Allowing fur external study UBC UUNA Quick start (1-2 Vears) Not Started Foundational																		te	action.	ES-1	ES-1	Primary	Ecology
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Ecology Sub-action ES-1 ES-1.1 ES-1.1 ES-1.2 billowing for areas underserved by existing ecosystems, Allowing fur external study UBC UUNA Quick start (1-2 Vears) Not Started Foundational															1								
Ecology Sub-action ES-1 ES-1.1															1								
Analyze baseline seasonal shading in neighbourhoods.  Sub-action ES-1 ES-1.1 neighbourhoods.  Escology Sub-action ES-1 ES-1.2 neighbourhoods.  Sub-action ES-1 ES-1.2 neighbourhoods.  Analyze baseline seasonal shading in neighbourhoods.  Explore and test nature based urban design solutions to address urban heat island effect and solutions to address urban heat island effect and external study UBC Buildings  Ecology Sub-action ES-1 ES-1.2 building cooling energy demand.  Ecology Sub-action ES-1 ES-1 ES-1.2 building cooling energy demand.  Ecology Sub-action ES-1 ES-1 ES	eighbourhood planning processes, as part of tc.			Maps should be developed with equity											1								
Ecology Sub-action ES-1 ES-1.2 building cooling energy demand.  Explore and test nature based urban design solutions to address urban heat island effect and external study UBC Buildings Plans  Prioritize tree plantings for multiple climate carbon sequestration, air quality improveme and guidelines, for amended and future Neighbourhood Plans to prioritize tree planting in support of climate action areas, incl  Neighbourhood Plans to prioritize tree planting in support of climate action areas, incl  Neighbourhood Plans to prioritize tree planting in support of climate  C+CP - Green Quick start (1-2 Plans  REAP Initiated  Prioritize tree plantings or multiple climate carbon sequestration, air quality improveme and guidelines, for amended and future  Neighbourhood Plans to prioritize tree retention and increased tree planting in support of climate  UNA Quick start (1-2 Neighbourhood	ore seasonal differences based on tree species (e.g	Focus on open spaces, and explore sea	systems. Allowing future	areas underserved by existing ecosyste					Foundational	Foundational	Not Started	2		UNA	1	LIBC				FS_1 1	FS-1	Sub-action	Ecology
Solutions to address urban heat island effect and building cooling energy demand.  Es-1 Es-1.2 boulding cooling energy demand.  Es-1 Es-1.2 boulding cooling energy demand.  Explore planning and design tools, such as policies and guidelines, for amended and future Neighbourhood Plans to prioritize tree retention and increased tree planting in support of climate  A boulding cooling energy demand.  Explore planning and design tools, such as policies and guidelines, for amended and future Neighbourhood Plans to prioritize tree retention and increased tree planting in support of climate  A boulding cooling energy demand.  C+CP - Green Quick start (1-2 Plans  Prioritize tree RESearch / external study  UBC  Buildings  Prioritize tree RESearch / external study  UBC  Buildings  Prioritize tree FEAP  Initiated  Prioritize tree FEAP  Plans  Prioritize tree FEAP  Plans  Prioritize tree FEAP  Plans  Prioritize tree FEAP  Plans  Prioritize tree FEAP  Initiated  Prioritize tree FEAP  Plans  Sustainability Scholar project - Summer 2024  FEAP  Prioritize tree FEAP  Prioritize tr	Summer j	is shade different iff winter vs sun		proming to prioritize triese dieds.					. ouridational	. ouridational	ivot starteu		yearsj	obe Froperties Hust		350	external study	e	neignournous.	-5 4.1		Sub activit	200069
Ecology Sub-action ES-1 ES-1.2 building cooling energy demand. external study UBC Buildings Vears) REAP Initiated Sustainability Scholar project - Summer 2024  Prioritize tree plantings for multiple climate Explore planning and design tools, such as policies and guidelines, for amended and future Neighbourhood Plans to prioritize tree retention and increased tree planting in support of climate  UNA Quick start (1-2 Neighbourhood Plans to prioritize tree retention and increased tree planting in support of Climate  Explore planning and design tools, such as policies and guidelines, for amended and future Neighbourhood Plans to prioritize tree retention and increased tree planting in support of climate  UNA Quick start (1-2 Neighbourhood Plans to prioritize tree species and age, growth patterns and age, growth patterns and guidelines. The planting in support of climate Planting in support													Outob et+ (4. 2		C+CB Cro		Posparch /						
Explore planning and design tools, such as policies and guidelines, for amended and future  Neighbourhood Plans to prioritize retention and increased tree planting in support of climate  UNA  Quick start (1-2 Neighbourhood	ummer 2024	Sustainability Scholar project - Summe									Initiated									ES-1.2	ES-1	Sub-action	Ecology
and guidelines, for amended and future  Neighbourhood Plans to prioritize tree retention And increased tree planting in support of climate  UNA Quick start (1-2   Neighbourhood   Neighbourho	iple climate action co-benefits (e.g., providing sha														1			nolisi-	Evalore planning di k k				
Neighbourhood Plans to prioritize tree retention public transit infrastructure. Look to reduce and increased tree planting in support of climate  UNA Quick start (1-2   Neighbourhood	on areas, including along active transportation rou	Target supports for climate action area	•												1				and guidelines, for amended and future				
		public transit infrastructure. Look to re	ļ									2 Neighbourhood	Quick start (1-2	UNA	1								
		conditions.		Taranta sharil to the same					Medium	Low	Not Started	Plans	years)	UBC Properties Trust		UBC	Policy / Planning	P	action.	ES-1.3	ES-1	Sub-action	Ecology
Explore and establish performance targets relating Form of targets to be determined through stated to neighbourhood shade coverage.  Not Started Foundational Founda	d through study, and based on baseline assessme	form or targets to be determined throughts.							Foundational	Foundational	Not Started	5				UBC	Policy / Planning	relating P		ES-1.4	ES-1	Sub-action	Ecology
e.g. trees, grasslands, soils  Finders quantitative methods to track serving	track connectration and beauty and a														1								
for additional benefits from natural systems	track sequestration, and how to accurately accou ural systems that could be included in community	for additional benefits from natural sys	İ												1								
Explore how to quantify biological carbon  emissions monitoring (to balance remaining sequestration from natural systems to support Research / Study should explore which plants are optim												5	Near term (3 - 5		1		Research /	port R					
	•	1						1	N/A	Foundational	Not Started	Ī	years)		1	UBC	external study			ES-1.5	ES-1	Sub-action	Ecology

		Primary			R	Primary Responsibili	W. Balance	*** !*	Related Plan/	<b>6</b> 1.1.1	Emissions	Adaptation				A (% ) . 1 . 12 . 12 . 12 . 12 . 12 .		Academic	Ohn Fruit Carillantian	
Scope Area	Action Levi	el Action Link	Action ID	Action	Action Type ty	y UBC Lead	Key Partners	Timeline	Policy	Status	Impact	Impact	Connection	weilbeilig	Accessibility	Arrordability	Leadership	Connection	Other Equity Considerations	Neighbourhood Plans do have some parcel guidelines as well.
Ecology	Sub-action	ES-1	ES-1.6	Identify opportunities to increase biodiversity and ecosystem services at site scale through future REAP updates	Policy / Planning U	C+CP - Green JBC Buildings	UBC Properties Trust	Quick start (1-2 years)	REAP	Not Started	N/A	Foundational								Implement potential new requirements as optional to start.  To help meet community need for growing spaces, review REAP credit on food growing and look to further incentivize uptake (a provisioning ecosystem service).
Ecology	Sub-action	ES-1	ES-1.7	Identify opportunities to support integration of ecosystem services for climate action into neighbourhood planning through amended and future Neighbourhood Plans.	Policy / Planning U	JBC		Long term (6 years +)		Not Started	Low	High								
Ecology	Primary	ES-2	ES-2	Develop climate resilient planting guidelines.				your y												
Ecology	Sub-action	ES-2		Develop a planting and soils guideline for amended and future Neighbourhood Plans that reflects the local ecological context and that supports resilient plants for future climate conditions.	Policy / Planning U	JBC	UNA UBC Properties Trust	Quick start (1-2 years)	Neighbourhood Plans	Not Started	N/A	Foundational							Consider what habitats are provided, what species are supported through different strategies.	Plantings should consider climate adaptation benefits from ecosystem services, such as to reduce damage from extreme weather event, regulation of water flow, erosion prevention and maintenance of soil fertility. Consider plants that are suitable for projected future climate conditions.  Consider the palette and how groups of plantings will work together. Composition is important, and guidelines should be looking at plantings that will support each other.  Approaches should consider the balance between aesthetics and function looking to support a variety of landscapes.  Look to find room for joy and experimentation.
Ecology	Sub-action	ES-2		Develop demonstration projects to pilot, monitor, and assess emerging approaches to climate resilient plantings and the soils that support them.	demonstration	C+CP - Planning & Design (landscape architecture)		Near term (3 - 5 years)		Not Started	N/A	Low							There are a diverse set of needs and preferences for neighbourhood landscapes. Consider needs for place making, cultural aspects, sense of belonging. A variety of landscapes are needed to meet these diverse needs.	Assessment should gauge how people perceive the planting design following installation, including levels of comfort with different planting aesthetics (e.g., messy,
Ecology	Sub-action	ES-2	ES-2.3	Explore policy to implement findings from climate resilient plantings demonstration projects.	Policy / Planning U	C+CP - Planning & Design (landscape architecture)	UNA UBC Properties Trust	Near term (3 - 5 years)		Not Started	N/A	Medium								Influenced by monitoring and assessment data from demonstration projects.  Explore potential for additional targets informed by studies.
Ecology	Sub-action	ES-2		Review and update biodiversity credits to include climate resilient planting guidelines at site scale through future REAP updates	Policy / Planning U	C+CP - Green Buildings	UBC Properties Trust	Quick start (1-2 years)	REAP	Not Started	N/A	Foundational								Neighbourhood Plans do have some parcel guidelines as well. Implement potential new requirements as optional to start.
Ecology	Sub-action	ES-2	ES-2.5	Develop resources for community members to support climate resilience and biodiversity.	Resource development U	JNA	Sustainability Hub SEEDS	Quick start (1-2 years)		Not Started	N/A	Low								e.g. within community gardens, strata landscapes UBC to support this work based on the results of our studies/demonstration projects Explore partnerships with SEEDS and Sustainability Hub to support implementation. Consider bird-friendly measures for existing buildings.
Ecology	Primary	ES-3	ES-3	Support the UNA in developing sustainable landscape practices																Explore landscaping equipment and maintenance practices to support a diverse range
Ecology	Sub-action	ES-3	ES-3.1	Support the UNA on sustainable landscaping practices.  Collaborate and share information to support	Coordination U	JBC	UNA	Quick start (1-2 years)  Near term (3 - 5		Not Started	N/A	Low								Of landscapes.  Work may include: Preparing landscape maintenance action plans to address extreme weather events including droughts, Minimizing use of fossil-fueled equipment for landscape maintenance where possible; Using energy-efficient equipment for landscape maintenance;  Should include details on suitable plants for future climate, as well as maintenance recommendations.
Ecology	Sub-action	ES-3	ES-3.2	climate resilient replanting in the public realm.  Support development of UBC's Biodiversity	Coordination U	JBC	UNA	years)		Not Started	N/A	Low								Informed by overall studies into climate resilient plantings approaches.
Ecology	Sub-action	ES-4	ES-4.1	Include future climate projections in scoping for Biodiversity Strategy.	Policy / Planning U	JBC		Quick start (1-2 years)	Biodiversity Strategy	Not Started	N/A	Foundational								Strategy must consider impacts to biodiversity from our changing climate, and how to address them
Ecology	Sub-action	ES-4	ES-4.2	Develop actions to address climate impacts to natural systems in neighbourhoods	Policy / Planning U		UNA UBC Properties Trust	Quick start (1-2 years)		Not Started	N/A	Foundational								As part of overall adaptation planning work. This should address the higher risk climate impacts to natural systems identified through the UBC Vulnerability and Risk Assessment process.  Actions will likely be implemented through both the upcoming Biodiversity Strategy and NCAP.
Climate Emergency Preparedness	Primary	CP-1	CP-1	Develop resources, programming, and infrastructure to enable response before, during and after extreme heat and other emergency climate events.																Resources, programming, and infrastructure will also be beneficial for other (non- climate) emergency events (e.g. earthquake), as well as broader climate action planning for adaptation and mitigation.
Climate Emergency Preparedness	Sub-action	CP-1	CP-1.1	Develop resources to share information on emergency cooling spaces with residents.	Policy / Planning U	INA	UBC Emergency Management C+CP	Quick start (1-2 years)		Not Started	N/A	Low								Look for opportunities to integrate this work into Campus as a Living Lab Project: Resilience hubs for UBC campus communities Generate list of existing public spaces, commercial and neighbourhood buildings that can provide emergency cooling, e.g. indoor cooling centres, misting stations, spray parks, weather protected plazas, actively cooled buildings/rooms within buildings Also consider opportunity from commercial spaces (e.g. cafes, grocery stores, UBC hotel).  List should also include spaces in the institutional parts of campus and make clear that anyone is able to access these spaces. Campus services has, 2 libraries available, open until midnight, as well as AMS Nest and they coordinate to ensure food also available. There is the option to open additional spaces when events occur.  Look to gather information from community to supplement the list - 'where do you go during hot days' Think about programming during these events, so not just sitting in an empty room. Are there opportunities with spaces like UBC Botanical Gardens (under-tree cooling) or Museum of Anthropology? Explore opportunity of UBC Safe App. The push notification feature will be implemented when an extreme heat alert is issued by Environment and Climate Change Canada.
Climate Emergency Preparedness	Sub-action	CP-1	CP-1.2	Coordinate efforts to expand public spaces for emergency cooling.	Policy / Planning U	JNA	UBC Emergency Management C+CP	Near term (3 - 5 years)		Not Started	N/A	Low							Barriers in accessing cooling centres is a critical risk factor during heat events.	Look for opportunities to integrate this work into CLL Project: Resilience hubs for UBC campus communities Identify gaps in availability of emergency cooling spaces. Considering, what are opening hours of these spaces, are there times of the day where no spaces are available? Continue to coordinate with campus emergency management to provide aligned response to events. What would overnight spaces look like? UBC Emergency Management has a program to provide basic overnight necessities (e.g. cots)

S A	Antina Laval	Primary Action Link	A-ti ID	Aution	A - + i T	Primary Responsibili		Var. Danka ana		Related Plan/	Status.			Community		Accessibility			Academic	Other Equity Considerations	No.
Scope Area	Action Level	Action Link	Action ID	Action	Action Type	ty	UBC Lead	Key Partners	Timeline	Policy	Status	Impact	Impact	Connection	wellbeing	Accessibility	Affordability	.eadersnip	Connection	Other Equity Considerations	Notes
Climate Emergency Preparedness	Sub-action	CP-1	CP-1.3	Explore options to accelerate resilient HVAC upgrades to Old Barn Community Centre.	Pilot / demonstration project	UNA		C+CP	Near term (3 - 5 years)		Not Started	Low	Medium								Look for opportunities to integrate this work into CLL Project: Resilience hubs for UBC campus communities  Look for incentive funding to support this project. Next major building upgrade at this facility will be HVAC systems. Add goals to increase resilience/climate adaptation measures and decarbonize mechanical systems, including adding cooling and air filtration, as well as exploring on-site energy generation. Should provide demonstration on what HVAC retrofits can achieve in community spaces.
																				Barriers in communications are critical risk factor during heat events.  Include specific information to support groups disproportionately at risk. For example, certain medications make people intolerant to heat (blood pressure medications, antihistamines, psychiatric medications).  Key communities to target include (but not limited to): immunocompromised people, seniors/elderly, disabled people (including those who have long-term physical, mental, intellectual or sensory impairments), those living alone.  Also consider how to communicate to different	Include information to support navigating different occupancy scenarios (e.g. strata owner, tenants, advice for landlords - especially private rentals) Include information on safety risks, where to go/gather during events, where to get information during event.  Build on existing UBC Emergency Preparedness Guide (https://ready.ubc.ca/wp-content/uploads/2023/10/UBC-Emergency-Booklet_UNA.pdf)  Reference 'Prepare Together for Extreme Heat' resources:  https://www.heyneighbourcollective.ca/2023/06/extreme-heat-neighbour-guide/Information on shelter-in-place, what that means, who's vulnerable, what activities are okay.
Climate Emergency Preparedness	Sub-action	CP-1	CP-1.4	Develop communications materials to educate and prepare residents for extreme heat and other climate emergency events.	Resource development	UNA		UBC Emergency Management C+CP	Quick start (1-2 years)		Not Started	N/A	Medium							demographics: youth, elderly, BIPOC, non-English as first language residents, tenants - especially tenants in strata buildings.	How can you communicate with loved ones if major communication/power outage - especially for international students.  Touch on nuance - when are fans okay, when do you need to seek something more.
Climate Emergency Preparedness	Sub-action	CP-1	CP-1.5	Review and look to strengthen UNA emergency event procedures.	Policy / Planning	; UNA		UBC Emergency Management UBC Security UBC C+CP	Quick start (1-2 years)		Initiated	N/A	Foundational								Considering staff availability during emergency events (i.e. when non-local staff can't travel to site) UNA currently looking to hire more locally-located auxiliary staff for these periods. Additionally, looking for volunteers and coordinating training for them. UBC Emergency Management is providing training.
Climate Emergency Preparedness	Primary	CP-2	CP-2	Develop resources, programming, and infrastructure to enable response before, during and after local wildfire events.																	
Climate Emergency	Sub-action	CP-2	CP-2.1	Review and ensure Fire Smart Principles are included in future and amended Neighbourhood Plans.	Policy / Planning	; UBC			Quick start (1-2 years)	Neighbourhood Plans	Not Started	N/A	High								Focus on directions for wildland / urban interface.
Climate Emergency Preparedness	Sub-action	CP-2	CP-2.2	Explore options to incorporate FireSmart design into future REAP updates.	Policy / Planning	LUBC			Quick start (1-2 years)		Not Started	N/A	Medium								Institutional resilient buildings project can help inform potential approaches.
Climate Emergency	Sub-action	CP-2	CP-2.3	Explore options (e.g. infrastructure, landscaping) to address any existing neighbourhood areas with high risk for wildfire events at forest / urban interface.				UNA Metro Vancouver	Near term (3 - 5 years)	apunte		N/A	High								Should also include a map of any areas at risk (e.g. Hampton Place built without a buffer between Pacific Spirit Park).  Look to work with partners (Metro Van) to explore options to mitigate the risk (e.g. pruning)
Climate Emergency Preparedness	Sub-action	CP-2	CP-2.4	Develop communications materials to educate and prepare residents for local wildfire events.	l Resource development	UNA		UBC C+CP UBC Emergency Management	Quick start (1-2 years)		Not Started	N/A	Medium								Including explanation of what current mitigation efforts are, and who's leading them. Build off of Emergency Planning events held fall 2023.
Climate Emergency Preparedness	Sub-action	CP-2	CP-2.5	Develop comprehensive local emergency response plan for local wildfire events	Policy / Planning	ı UBC	Emergency Management	UNA C+CP UEL MOTI Vancouver Fire Rescue Services BC Wildfire Service Metro Vancouver Watersher Fire Protection BC Hydro Water utilities - Metro Van and UBC Water			Not Started	N/A	Foundational								Needs to be a comprehensive plan for the entire peninsula.  Consider evacuation planning and transportation  Consider water supply for fire suppression. Equipment needs to be in place to enable some fire suppression/water solutions (e.g. pumping from pool in aquatic centre) and access needs to be improved.
Climate Emergency Preparedness	Primary	CP-3	CP-3	Strengthen social connectedness and resilience within neighbourhood communities																	
Climate Emergency	Sub-action	CP-3	CP-3.1	Deliver emergency preparedness workshops that are rooted in social connectedness.	Programming	UNA		UBC Emergency Management C+CP	Near term (3 - 5 years)		Not Started	N/A	Low								Typically UNA and Emergency Management work closely together to advertise event.
Climate Emergency Preparedness	Sub-action	CP-3	CP-3.2	Develop toolkits and other resources to support community building focused on addressing climate action		UNA		C+CP	Near term (3 - 5 years)		Not Started	N/A	Foundational								Refer to resources from Hey Neighbour Collective Evergreen materials, such as maps, videos, and other resources can be produced to help with social connectedness (e.g. maps on best places for a forest walk) Consider other items focused on climate action (e.g. managing climate anxiety, individual actions - 'Happy Climate' approach, carbon/ecological footprint calculators) Provide examples of other successful community-led initiatives (at UBC or elsewhere) that built resilience within neighbourhoods.
Climate Emergency Preparedness	Sub-action	CP-3	CP-3.3	Expand and develop programming to facilitate community-led initiatives	Programming	UNA	C+CP - Community Programs & Outreach	C+CP	Near term (3 - 5 years)		Not Started	N/A	Foundational								Develop long-term programming that enables connection/interaction with neighbours.  Supported by Connected Community Coordinator - joint UBC/UNA position focusing on low barrier, social connection opportunities in the neighbourhoods.  Consider how to support community members looking to become 'connectors' that help lead these initiatives within the neighbourhoods.  Support for community gardens in particular, which offer numerous climate action benefits while building social connection.

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Scope Area	Action Lovel	Primary Action Link	Action ID	Action	Action Type	Responsibili		Kev Partners	Timeline	Related Plan/ Policy	Status	Emissions Impact	Adaptation Impact		Accessibility	Climate	Academic	Other Equity Considerations	Notes
Climate Emergency				Explore opportunities to streamline processes and increase resources, grants, supplies, and		UBC	C+CP - Community Programs & Outreach		Near term (3 - 5 years)		Not Started		Foundational						Look for opportunities to integrate this work into CLL Project: Resilience hubs for UBC campus communities  Look for ways to integrate neighbourhood community members into broader campus life (e.g. Increase advertising of on-campus events through UNA communications channels).  Review and streamline processes for permitting to allow community members ease of access to booking streets, parks, and other community spaces for community-led events.
Climate Emergency Preparedness	Sub-action	CP-3	CP-3.5	Review and, where feasible, strengthen REAP credits on place and experience to support building design for social connection through future REAP updates.	Policy / Planning	; UBC	C+CP - Green Buildings	UBC Properties Trust	Near term (3 - 5 years)	; REAP	Not Started	N/A	Foundational						Existing REAP Place and Experience includes precondition on project community amenity spaces, and an optional credit for exemplary community amenity spaces. e.g. elevator nooks, street level balconies, shared terraces https://happycities.com/blog/dont-fear-density-bc-housing-targets-can-be-a-wellbeing-win
Climate Emergency Preparedness	Sub-action	CP-3		Study impact of social connectedness on climate emergency response.	Research / external study	UBC		UNA	Near term (3 - 5 years)	5	Not Started	N/A	Foundational						Look for opportunities to integrate this work into CLL Project: Resilience hubs for UBC campus communities
Net-Zero	Primary	NZ-1	NZ-1	Define pathway to net-zero community emissions															
Net-Zero	Sub-action	NZ-1		Coordinate with CAP2030 action planning team to align definitions and approach.		UBC			Near term (3 - 5 years)	5	Not Started	Foundational	N/A						
Net-Zero	Sub-action	NZ-1	NZ-1.2	Explore options to integrate embodied carbon emissions into community emissions accounting.	Policy / Planning	UBC			Quick start (1-2 years)		Not Started	Foundational	N/A						
Net-Zero	Sub-action	NZ-1	NZ-1.3	Research sequestration options to achieve net- zero community emissions.	Research / external study	UBC			Near term (3 - 5 years)	5	Not Started	Medium	N/A						Explore potential of technology based options (e.g. carbon capture and storage) as well as potential of local ecosystems.