1.0 Rethink			1	Economic	2		3		4	5	GHG Emissions	6	Seriesemental	7	8	9	Community	10	Supports Waste Prevention	11	Practicality of	12		13		14	15 Consistence		16		17
Strategy 10 1.1 Advocate for circular economy	D No. Action Option  DO04 Work with other municipalities and regions across Canada to	Affordability	Assumptions Opportunity for CE regulations to mprove affordability for	Prosperity	Assumptions Generally CE is expected to increase jobs with a focus or	Innovation	Assumptions Such an option would be very new for the region and progressive in all regards.	Circularity	Assumptions CE regulations	Reduction Assumptions  CE generally creates a focus on the higher levels of the	Reduction	Assumptions Assumed to have some focus on organics.	Stewardship	Assumptions Inclu Demonstrable improvements in environmental performance	Approaches assumed to not significantly change barriers	Convenience Assumptions Improves convenience of circular approaches when regulated and	Participation	Connects people through services and programs	Habits and Actions	Assumptions  Likely to demonstrable ability through regulation to	Implementation	Assumptions / Significant changes to current models would require	Accountability	Assumptions kely to demonstrable approvements to accountability		Assumptions Assumes that regulatory approaches would involve	Harmonization Assumptions Regulations should increa consistency/harmonizatio	Collaboration	Assumptions	Resilience	Assumptions
policies	develop and advocate for implementation of priority circular economy regulations.		consumers (e.g., ability/right to epair)		higher levels of the hierarchy (e.g., repair).	y				hierarchy.				when moving from linear model to a circular model.	or access experienced by different groups.	they become more common and standardized.		delivered and likely to demonstrable improvements to community building, social		shift behavior to become more circular		significant changes and/or require over 10 years to implement	1	rrough regulations		reporting requirements to show results.	across the region.				
																		connection and peer-to-peer learning													
		High		High		High		High		High	High		High	м	ed	High	High		High		Low		High		High		High	High		High	
																													Direct collaboration with other municipalities and regions.		Circular design will increase resiliency
1.1 Advocate for III circular economy policies	D003 Advocate for regulatory approaches that prevent waste through implementation of low		vo significant cost to specific actors assumed, but it would depend on approaches and focus.		Waste prevention approachs and circular solutions generally increases jobs	es	Enabling transition to reusable systems and supporting new circular business models.		Forces producers to Rethink/Reduce/Reuse and recycle better	Targets high tonnage material and has potential to a reduce large percentage of		Depends on specific approaches and focus. Likely to have Medium impact by		Demonstrable improvements in environmental performance when moving from linear model	Approaches assumed to not significantly change barriers or access experienced by	Improves convenience of circular approaches when regulated and they become more common and		Connects people through services and programs delivered and likely to		Likely to demonstrable ability to shift behavior to become more circular		Metro Vancouver likely to only advocate, not regulate directly. Implementation		ikely to demonstrable inprovements to accountability is the materials are regulated to		Assumes that regulatory approaches would involve reporting requirements to show	Creates standardized requirements across jurisdictions, reducing				
	carbon, circular design and business models.			15.0	and/or GDP, especially when regulatory approaches force multiple sectors to change.	5		15th		remaining waste tonnage by targeting CI and C&D materials	Med	reducing anthropogenic emissions eg. targets plastics, has potential to reduce process emission and reduces	High	to a circular model.	different groups.	standardized.	W.A.	demonstrable improvements to community building, social connection and peer-to-peer learning	High		Med	depends on provincial/federal policy and industry uptake, likely 5–10+ years.	High	ecoming more circular	No.	results.	confusion and increasing efficiency.	Med		10-6	
		Med		High		ngn		High		nga		individual transport emissions by allowing shorter travel distancess (local use of	ngn		40	High	High	learning	rigi		ned		rago		High		High	Med	Advocacy may support	High	Shifts economy toward diversified, circular systems
												materials rather than disposal)																	collaboration indirectly, but the action itself doesn't guarantee new partnerships.		less vulnerable to supply chain shocks or recycling market volatility.
1.1 Advocate for circular economy policies	D090 Advocate that federal and provincial governments develop regulatory programs to improve		f this results in implementing circular food systems then food recovery can become more		Assuming as the recovery network scales up, this can result in increased jobs in the		Will lead to incremental progress by increasing the scale of the food network. Not likely to be a game changer.		Increases reduce and reuse through food recovery.	This action targets high tonnage material (organics High		Reducing food waste will reduce GHG emissions associated with reducing		Environmental benefits are not beyond waste and GHG emission reduction and are within	No expected impact on inclusivity.	No major changes to convenience for the food sector Med	Med	No expected changes for community building from advocating.		Can help with shifting behaviour to meet goals of waste reduction and reuse.		This could be implemented in the next 0-5 years		epending on the regulatory omponent and what results rom advocating, this could		Depending on the reporting component and what results from advocating, this could result in	If new regulatory approac are implemented this cou High result in increased	nes d	Advocacy may support collaboration indirectly with		
	reporting and implementation of circular food systems.	High	offordable and will reach more beople.	High	food recovery network.	Med		High		waste).	High	organics entering the landfill	Med	regulatory limits	ed		Med		High		High		High	asult in increased ccountability.	High	increased transparency.	High consistency across the region.	Med	senior governments, but the action itself doesn't guarantee new partnerships.	High	Increases connectedness of resources
1.1 Advocate for circular economy policies	D005 Advocate that federal and provincial governments develop regulatory programs to improve		Reporting requirements may ncrease compliance costs for developers, but long-term savings		Waste prevention approachs and circular solutions generally increases jobs and/or GDP, especially when	is .	Potential/game changer to transition to reusable construction systems and stimulate a competitive market where		Forces builders and construction companies to integrate	Targets high tonnage material and has potential to a reduce large percentage of		Likely to be high if design for disassembly is targeting wood waste		Demonstrable improvements in environmental performance when moving from linear model to a circular model with design M	Approaches assumed to not significantly change barriers or access experienced by	Developers may face added reporting and compliance steps; residents benefit indirectly		Less direct community involvement, but could support local reuse/deconstruction		Could change current behaviour in the contruction sector to prevent waste and		As an advocacy action, Metro Vancouver has limited direct authority. Provincial/Tederal	1	kely to demonstrable nprovements to accountability.		Reporting programs provide data on materials used, recovered, and recycled, increasing system-wide	National/provincial frameworks would harmonize construction				Circular built environment solutions make material
	reporting and implementation of circular built environment solutions.	Med	ossible through material efficiency and reduced disposal costs.	High	and/or GDP, especially when regulatory approaches force multiple sectors to change.	High	industry is motivated to develop circular solutions to waste management problems.	High	Rethink/Reduce/Reuse and recycling into the design of a building.	High remaining waste tonnage which is likely to reduce wood waste.	High		High	to a circular model with design for disassembly	ed different groups.	Low through greener buildings.	Med	organizations and community- level employment.	High	regard buildings as material banks	Med	uptake could take 5–10 years, though reporting systems could be phased in earlier.	High		High	transparency.	High practices and reduce regis inconsistencies.	nal Med	Advocacy may support collaboration indirectly, but the action itself doesn't	High	supply chains more resilient and reduce reliance on virgin imports, while extending
1.1 Advocate for circular economy	D001 Advocate that federal and provincial governments phase in		ikely increases costs in the short erm for manufacturers,		Assuming that material prohibition maintains jobs		Enabling transition to reusable systems and supporting new circular business models by prohibiting non-recyclable		Forces producers to Rethink/Reduce/Reuse and	Could reduce significant tonnage of plastics, textiles, and other non-recyclables		Reduces anthropogenic emissions eg. targets plastics		Demonstrable improvements in environmental performance	Could improve equity if affordable alternatives are	Improves convenience of reuse/ recycling if non-recylable		No changes to community building, social connection and		Likely to demonstrable ability to shift behavior to		Would require moderate changes and could be		ikely to demonstrable inprovements to accountability		Easier to communicate "these products are no longer allowed."	Improves consistency/harmonizatio	,	guarantee new partnerships.		infrastructure life cycles.
policies	regulations for the prohibition of the import, export manufacture, and distribution of non-essential, non-recyclable products and	Med	mporters, and consumers (as liternatives may be more expensive). Costs could decline ong-term if circular solutions	Med	and/or GDP. Not likely to significantly increase or decrease.	High	modes by profibiting non-recyclable materials.	High	recycle better	High identified in waste composition studies.	Med		High	when products are designed for the environment M	supported; risk of burdening lower-income households if costs rise.	materials are avoided. May reduce availability of some products residents are used to. Requires education and	Med	peer-to-peer learning	High	meet goals	Med	implemented in the next 5-10 years (regulatory changes needed)	High	s the producers have to find etter alternatives	High	Material prohibition should improve reporting.	once problem materials a prohibited.  National/provincial	Med	Advocacy may support collaboration indirectly, but	High	Reducing the need to handle non-recyclable material in the local waste management
1.2 Support the	packaing.  D016 Identify and encourage scale up		cale.  Deportunity to reduce costs with		Job creation opportunity wit		Relatively new for the region and		Higher levels of hierarchy	Tareets food (organics)		Tyraste servaie materiale		My antential to endure water	hereave were to	alternatives.  Making it easier to be a part of		Eshagor community helders		Could change behaviour on		Could implement in next 5		reproved tracking and		learness of bour	clarity and consistency ac jurisdictions.	055	the action itself doesn't guarantee new partnerships.		system has the ability to increase resiliency
transition to a more circular regional economy through	of low waste local food production such as vertical farms, gleaning, food remanufacturing,	High	ncreased food recovery and pleaning	High	increased food recovery and gleaning.	High	expansion is needed.	High	Tigori accus of manacity	High	High	Targets or game materials	High	use if food recovery, reuse, and gleaning is increased	discounted food through food recovery.	the food recovery network/system	High	and peer-to-peer learning	High	utilising food and more effective food recovery.	High	years years	High	nonitoring of food moving brough the system	High	food is being used and where it is ending up.	to increase efficiency for farmers	High		High	
waste prevention	opportunities.									•	ů								ů,		ů				•			Ů	Encourages collaboration with food producers.	, v	More efficient use of food locally increases resiliency
1.2 Support the transition to a more circular regional	D014 Work collaboratively with economic development agencies to implement circular business		Circular business solutions should increase efficiency and ultimately reduce costs in the long run		Creates jobs and potential to support invest Vancouver an Metro 2050 goals	o d	New initiatives for the region and increasing innovation for businesses		Focused on higher levels of the hierarchy	Assuming a focus on higher tonnage items such as organics and plastics		Depends on specific focus. Likely to have high impact by targeting cross sector solutions to avoid landfilling organics.		Demonstrable improvements in environmental performance when moving from linear model	Unlikely to have significant impacts on barriers or access	Working with agencies to implement circular solutions should make it easier for		Enhances community building and peer-to-peer learning		Likely to demonstrable ability to shift behavior to become more circular		Circular business solutions will take time to standardize across different industries and		kely need for increased acking and monitoring of olutions and data to be used as		Circular initiatives would increase overall system transparency	Opportunity to increase business efficiency and reduce confusion for				
economy through waste prevention	solutions that support waste prevention innovation and support a prosperous region.	High		High		High		High		High	High	to avoid landfilling organics.	High	to a circular model. M	ed	High implementation across businesses	High		High		Med	will require significant resourcing / education	High	success stories" to help with aplementation across usinesses	High		High residents	High	Builds partnerships with economic development	High	Creation of local jobs and decreased waste increases
1.2 Support the transition to a more	D079 Improve circular economy education in schools through field		las potential to increase overall offordability for the system if		Unlikely to have a significant impact on job creation in the school system. Would rely or		Would be an innovative approach for the region and encourages circularity thinking from a younger age		Programming would focus on the higher levels fo the	Could include programming focused on higher tonnage materials such as organics		Assumption there would be programming aimed at reducing food waste that will		Has the potential to be significant if programming focuses on environmental	Arguably can reduce systemic barriers by bringing	Makes it easier for children to participate in, and learn about, circualr economy since the		Bringing programming to schools directly increases community		Has significant ability to change behaviours through		Might take a few years to organize cirriculum and develop relationships with		ducation system and its nembers would be encouraged		Should provide more insight in to the lifecycle of products for residents and children. A more	Working with school distr across the region would h harmonize education and	ets Np	agencies.		system resiliency
circular regional economy through waste prevention	trips, hands-on learning, and other innovative school education programs.	High	hildren are better educated on he waste management system and where to find efficiencies. Opportunity to increase circularity	Med	school system. Would rely or experts and modifications to cirriculum	High	thinking from a younger age	High	hierarchy (circualr economy approaches)	materials such as organics High	High	reducing food waste that will reduce GHG emissions associated organics entering the landfill	High	benefits beyond waste and GHG emissions reductions	programming to the schools gh	education is coming to them High	High	participation and peer-to-peer learning	High	school programming	Med	school districts, but initial stages could be started in the near future	High	o increase accountability agarding education around laste and circular economy	High	residents and children. A more clear understanding of the waste management system	harmonize education and understanding	High		High	
			opportunity to increase circularity iwareness and participation which can decrease overall system costs									the language										near futbre							Would require building partnerships with schools		Incorporating CE into the education system has the potential to increase
1.2 Support the transition to a more	D015 Advocate for incentives and programs for circular built		OFD likely to increase costs up front, but incorporation of used		Likely to increase jobs due to more materials being		DfD very innovative and new for the region.			Targets C&D waste and would reduce the use of non-		Can help to reduces anthropogenic emissions.		DfD often requires use of higher quality and natural products.	No change to barriers or access	Incentives may make it easier to participate in DfDa, buildings as		Enhances community building and peer-to-peer learning		Would shift behaviour change to use better		DFD takes time to implement and industry will need time to	1	Vill likely need increased racking of materials and end		Provides increased tracking and use of C&D materials throughout	Potential to define which materials are better to us	fo	and education providers.		resiliency
circular regional economy through waste prevention	environment solutions such as design for disassembly, buildings as material banks, and	Med	materials can decrease costs.	High	managed and exchanged.	High		High		reusable or non-recyclable materials through DfD.	Med		High	Will reduce the use of potentially harmful materials such as glues.	ed	material banks, etc. High	High		High	products that can be reused	Med	adjust. Likely resource intensive at the beginning. Incorporating reused	High	estinations (reuse and accorporation into new builds)	High	the industry.	DfD and design procedure for using reused materials new builds.		Advocacy may support	High	
	incorporation of used building materials for new construction.																					materials may need need some regulatory changes							collaboration indirectly, but the action itself doesn't guarantee new partnerships.		DfD and building banks contributes to resiliency
1.2 Support the transition to a more circular regional	entities such as chambers of commerce to equip small and		Relatively low implementation costs for Metro Vancouver, as chambers and industry groups		SMEs make up a large share of the regional economy. Supporting their transition		Collaboration encourages uptake of innovative practices (reuse systems, product-service models, resource		Rethink/Reduce/Reuse and recycle better using circular	Likely to target materials like food, textiles and plastics in CI waste. Tonnage reduction		Reduces some organics from landfilling, as well as anthropogenic emissions eg. targets plastics. Medium		Guidance could reduce pollutants, promote eco-friendly practices, and strengthen local	No changes to barriers or access from the provision of educational resources	No changes in convenience from the provision of educational resources		Chambers of commerce and business networks can foster peer-to-peer learning and		Embedding prevention principles into business operations supports long-		MV already collaborates with stakeholders; chambers and trade associations offer ready- made channels. Could be	ľ	io changes to accountability.		No changes to transparency. Action woud not improve reporting.	Regional collaboration hel create consistent circular economy messaging and	25			
economy through waste prevention	medium-sized enterprises with practical guidance to successfully transition to a circular economy.	High	ilready have networks and nfrastructure for outreach. Potential cost savings for SMEs as they adopt more efficient, circular	High	can generate local jobs, strengthen supply chains, an boost regional GDP through new circular business model:	d High	sharing, repair services) and can accelerate scaling across industries.	High	solutions.	will vary by sector, but High widespread SME adoption could have significant cumulative impact and the	Med	impact assumed.	High	stewardship.	ed	Med	High	collaboration across industries.	High	term cultural and structural shifts.	High	implemented in 0-5 years.	Med		Med		standards across industrie High	High	Primary focus is to build new	High	
1.2 Support the	D012 Bring together cross-sector ideas		ractices.  Assumes that businesses are able		Potential to support Invest	-	Supporting and streamlining local		helps businesses to	Cl sector is large.  Likely to target materials like		Reduces some organics from		Within regulatory limits.	No changes to barriers or	Demonstrates improvements to		Networks will support		Demonstrable ability to shift		Relatively easy to implement		o changes to accountability		Could incoporate a tracking	No significant changes to		partnerships with external organizations.		Shift to a circular economy increases resiliency
1.2 Support the transition to a more circular regional economy through waste prevention	and facilitate discussions to create circular economy solutions that accelerate waste prevention.	High	o access input materials (food, extitles and plastics) through material exchange networks,	High	Vancouver and Metro 2050 goals of creating local jobs from local material exhanchs	High	material networks can help participants of the networks to innovate and find circular solutions.	High	Rethink/Reduce/Reuse and recycle better using circular solutions.	food, textiles and plastics in Cl waste. High	Med	landfilling, as well as anthropogenic emissions eg. targets plastics. Medium	Med	M	access experienced by different groups/people.	convenience by enabling access to material exchange networks High between participating	High	community building, social connection and peer-to-peer learning	High	behavior to meet goals.	High	in the next 0-5 years	Med	,	High	element to show the material flow	consistency/harmonizatio despite consolidation of Med networks.	High		High	Improves relationships and
	D045 Advocate that provincial and		which can help to reduce product losts.		networks with increased regional GDP							impact assumed as only limited business participation				organizations.				Not likely to demonstrable									Facilitates collaboration across sectors and stakeholders.		networks for circular economy which increases resiliency
1.2 Support the transition to a more circular regional economy through	Advocate that provincial and federal governments develop an incentive program to increase the use of used building materials in		Potential to reduce costs for the construction and demolition actor and ultimately the esidential sector		Increased material reuse and circular solutions generally increases jobs and/or GDP.	,	Potential/game changer to transition to increased use of used building materials		demolition companies to integrate reuse into their	Targets high tonnage material and has potential to a reduce large percentage of		Likely to be high if can target wood waste		May reduce demand for virgin resource extraction (timber, minerals) and diverts pollutants from landfills.	No changes to impacts on barriers or access experienced by different groups/people	Makes it easier for C&D sector to participate in material reuse		No changes to community building, social connection and peer-to-peer learning		ability to shift behavior since this initiative is likely to focus on what to do with waste		be implemented quite easily, but tax breaks would require Provincial action.		ctors more responsible as part of the incentive program when the incentive program when		An incentive program would require reporting.	Taxes can be applied consistently and drive harmonization				
waste prevention	new projects.	High	esidential sector	High		High		High	practices.	remaining waste tonnage, e.g., wood waste, asphalt, rubble, by redirecting them to other industries as raw	High		Med	mon sandrus.	groups/people	High	Med		Med	products and less about how to prevent waste from being generated	Med	Provincial action.	High	eeded.	High		High	Med	Advocacy may support collaboration indirectly, but	High	
1.2 Support the	D074 Work with trade schools, industry		Collaboration can ensure that		Assuming as the recovery		Will lead to incremental progress by		Increases reduce and reuse	materials.  This action targets high		Reducing food waste will		Environmental benefits are not	Assuming that collaboration	No major changes to convenience		This action would support		Can help with shifting		This could be implemented in		lo accountability component.		No changes to transparency	No changes to		the action itself doesn't guarantee new partnerships.		Increase in used building materials increases resiliency
transition to a more circular regional economy through waste prevention	associations, practitioners, and senior government to identify and implement solutions to fill skills	High	raining on food recovery can become more affordable and eaches more people.	1000	network scales up, this can result in increased jobs in the food recovery network.	e Med	increasing the scale of the food network. Not likely to be a game changer.	High	through food recovery.	tonnage material (organics from food waste in CI waste).		reduce GHG emissions associated with reducing organics entering the landfill	Med	beyond waste and GHG emission reduction and are within	with senior government and institutions can help to offer training to people who are	for the food sector	High	community building, social connection and peer-to-peer learing.	High	behaviour to meet goals of waste reduction and reuse.	High	the next 0-5 years	Med		Med		consistency/harmonizatio	High		High	
waste prevention	training gaps required to scale a circular food system.	nign		High		MAG		rigit		nga	High		MAG	regulatory inno.	gh typically marginalized without means to access training.	Med	ngn		rigi		rigii		Med		Med		MWG	rigi	Builds partnerships across education, industry, and	ngs	Increases connectedness of
1.2 Support the transition to a more	D031 Host events with different sectors to understand the current and optential future abilities to		fosting events will not have any firect impact on affordability. It is difficult to know what the results		No big impact on jobs - could have indirect impact on jobs down the road but this is	1	Could stimulate industy and motivate them to develop circular solutions		Hosting events related to circular economy falls under	Assuming discussions are around high impact material		Assuming discussions are around high impact material		It is difficult to predict outcome for environmental stewardship	No changes on inclusivity and reducing barriers.	By hosting events it can make it easier for sectors to participate in the conversations around circular		Brings the sectors and industry together to promote community		Has the ability to shift behaviour to meet goals by hosting these conversations.		It is easy to implement in the next 0-5 years, however this		here would be no changes to ccountability as these events		No direct impact on tracking materials or material streams	No impact on consistency harmonization as there is regulatory component to	or no	government sectors.		resources
transition to a more circular regional economy through waste prevention	provide circular products and services	Med	night be of these events.	Med	difficult to predict.	High		High	rethink/reduce/reuse.	streams (organics, High construction, plastics) this could have a high impact on wate reduction		streams (organics, construction, plastics) this could have a high impact on GHG emissions	Med	from hosting events to discuss potential future abilities.	ed	High economy.	High	building and peer-to-peer learning.	High	nosting these conversations.	High	does not consider learnings from the events and implementation of those.	Med	rould be voluntary.	Med		Med hosting events.	High	Facilitates cross-sector collaboration and knowledge	Med	
1.2 Support the III	D042 Work with trade schools, industry associations, practitioners and		dentifying and filling skills training		This will direcity impact number of jobs.		Could result in new jobs that suppor the ciruclar economy and develop industry		Can support ciruclarity through identifier and filling	This depon't directly target		This wont directly result in emission reduction.		Environmental stewardship is uncertain until gaps and skills are	Assuming that collaboration with senior government and	This could result in improvements to being able to support the solid		This can help improve community building and building		Regardless of skills identified, this will likely		This would require significant effort and time to set out and	ı	io changes to accountability.		No changes to tracking.	Increasing skills int he industry and training can		exchange.		Incremental improvement
1.2 Support the transition to a more circular regional economy through waste prevention	associations, practitioners and senior government to identify and implement solutions to fill skills training gaps required to scale	Med	paps wont have a direct impact on iffordability.	High		High	ciruclar economy and develop industry and circular business models	High	through identying and filing skills to support the circular built environment.	material streams but the skills have potential to - cant identify at this point what this might be	Med		Med	identified.	with senior government and institutions can help to offer training to people who are typically marginalized	to being able to support the solid waste environment through more and better training/skill development.	High	community building and building a sense of community and social connection.	High	support waste prevention habits and actions.	Med	coordinate.	Med		Med		industry and training can increase consistency of circular approaches in the low-waste built environm	High	Builds collaboration across education, industry, and	High	Increased training and filling of gaps increases community
	rethink approaches to a low- DOSB Develop circular certification programs for business.		Intikely to have an impact on iffordability.		No significant impact on jobs	i/	Will help make incremental progress towards goals.		Assumption that certification would highlight and promote	Could include a focus on		Assumption there would be		Has the potential to be	No changes to barriers or arress experted other than	No major changes to convenience from the option		Businesses with community participation would be		Assumption that businesses		There are some details to a certification program that		mly minor improvements to ccountability for businesses.		Helps demonstrate/promote businesses that are focusing on	sector.  A certification program co	ald	government sectors.		resiliency
1.2 Support the transition to a more droular regional economy through waste prevention		Med		Med		Med		High	waste reduction/prevention (highest levels of the	higher tonnage materials such as organics.		recognition for reducing food waste that will reduce GHG emissions associated organics entering the landfill.	High	significant if programming focuses on environmental benefits beyond waste and GHG emissions reductions such as M	access expected, other than for businesses.	Med	High	celebrated (e.g. successful sharing models)	High	would be recognized for waste prevention programs and initiatives.	Med	certification program that would need to be determined and could take a few years to organize (e.g., certification	Med	,	High	prevention and circular business models.	approach to recognizing leading businesses and High defining circular business	Med		High	
														circular business models.								organize (e.g., certification process, who "owns" the program, how to recognize businesses, etc.)					solutions. This program co be a regional approach providing ultimate	uld	May involve engagement, but does not clearly build new		Celebrates solutions that can increase connectedness of
1.2 Support the III transition to a more circular regional	D009 Integrate additional waste prevention policies and programs		iome upfront investment in policy/program design and staff		Limited direct regional GDP impact, but can stimulate		Potential to stimulate a competitive market where industry is motivated to		Rethink/Reduce/Reuse will be the key message of Metro	Since only Metro Vancouver focused it would targets		Depends on specific focus. Likely to have Medium impact		Will help businesses to reduce waste separate waste materials	No changes to barriers or access	No significant changes in convenience from circular		No changes to community building, social connection and		Demonstrable Metro Vancouver's ability to shift		A circular economy directive is already existing, but a policy		fetro Vancouver would hold self responsible to achieve		MV can publish results of its operational waste prevention	harmonization.  Not likely to result in char to consistency/harmonizatio	pes	partnerships.		resources
economy through waste prevention	within Metro Vancouver's operations.	Med	raining, but long-term savings cossible through reduced ourchasing, disposal costs, and ncreased efficiency.	Med	local markets for reuse, repair, and recycled product through Metro's procurement	nt	develop circular solutions to waste management problems in response to Metro Vancouver's circular economy policy and operations.	High	Vancouver and set direction of corporate processes such as procurement and asset management	medium tonnage material and has potential to reduce a large percentage of the remaining waste	Med	by reducing anthropogenic emissions eg. targets plastics, has potential to reduce process emission and reduces		better. These will still be within current regulatory limits (in compliance with MV's landfill bans).		economy policy Med	Med	peer-to-peer learning	High	behavior to meet circular economy and waste prevention goals		and its implementation would require moderate changes and could be implemented in the next 5-10 years	High	ircular economy goals and emonstrate accountability	High	(e.g., procurement changes, event waste diversion), modeling accountability.	Consistency/harmorizatio	Med		Med	
		Med	ncreased emicency.	Med	power.	ngn	poscy and operations.	rigit	management	need remaining waste		individual transport emissions by allowing shorter travel distancess (local use of	MAG	Darts).	40	Med	MAG		rigi		ned	trie next 3-10 years	rago		ngn		MWG	Med	May involve some interdepartmental collaboration but decre's	MAG	becommental improvement
1.2 Support the	D010 Share regional learnines in		to significant change in cost from		Likely to maintain jobs and/or	or .	Potential to motivate businesses to		Helps scale circular practices	Waste reduction depends on		materials)  Benefits are indirect and		Will help to demonstrable	Not expected to involve and	No significant changes in		No changes to community		Not likely to shift behavior to		Relatively easy to implement		io changes to accountability.		Strong potential to increase	Shared learnings help alie		collaboration but doesn't necessarily expand external partnerships.		since this is limited to MV (corporate)
1.2 Support the transition to a more circular regional economy through waste prevention	D010 Share regional learnings in rethinking and preventing waste in Metro Vancouver's operation and delivery of solid waste	Med	so significant change in cost from his initiative	Med	GDP from increased CE branding	Med	develop circular solutions to waste management problems, however promotion is not likely to result in	High	indirectly by enabling other jurisdictions and stakeholders to replicate	how effectively other actors apply shared knowledge; Med limited direct impact.	Med	unlikely to have significant impact on GHG emissions.	High	improvements in environmental performance assuming that some case studies will be part of M	significant changes to barriers or access ed	convenience.	Med	No changes to community building, social connection and peer-to-peer learning	Med	meet goals	High	Relatively easy to implement in the next 0-5 years	Med	,	High	Strong potential to increase visibility and understanding of Metro's operations, policies, and progress.	Shared learnings help alig municipalities and partne reducing fragmentation. High	s, High	Sharing learnings supports	Med	Knowledge-sharing strengthens institutional
	management and planning.						innovation on its own.		Metro's prevention efforts.					marketing and branding.															Sharing learnings supports knowledge exchange and collaboration with other jurisdictions or organizations.		strengthens institutional learning and adaptability, though resilience gains are indirect.
1.2 Support the transition to a more circular regional economy through waste prevention	D013 Assess education programs and collaborate with post-secondary institutions and professional		so change in cost from this nitiative.		Potential to support Invest Vancouver and Metro 2050 goals by supporting circular jobs and impacting GDP in a		Improved training opportunities help to meet goals (transition to circular business models)		helps businesses to Rethink/Reduce/Reuse and recycle better using circular	Likely to target materials like food, textiles and plastics in Cl waste, but waste reduction is dependant on		Reduces some organics from landfilling, as well as anthropogenic emissions eg. targets plastics. Medium		Within regulatory limits.	No changes to barriers or access experienced by different groups/people from improving training	No changes in convenience from the provision of training opportunities.		Training will support community building, social connection and peer-to-peer learning		Assumig that training would focus on waste prevention and support behavious		Training prgrams and changes to curriculum will take time to implement and will require		io changes to accountability.		Not likely to have significant changes to transparency	No changes to consistency/harmonizatio				
economy through waste prevention	development programs across various sectors to enhance circular economy training offered.	Med		High	jobs and impacting GDP in a positive way indirectly.	High		High	solutions.	Med provided and how many	Med	Impact assumed as only limited husiness nartirination	Med	м		Med	High		High	change within businesses the trained people work in.	Med	collaboration and resourcing.	Med		Med		Med	High		High	
										businesses trained individuals work with.		would have no significant GHG emission reductions from avoided disposal.																	Builds partnerships with educational institutions and training providers		Training for the community as a whole whill improve resiliency
1.2 Support the transition to a more circular regional economy through waste prevention	D041 Identify and work with industry event organizers to include circular built environment success		ncreased communication and earning for reducing waste in the built environment wont have a		Increased communication and learning for reducing waste in the built		Could result in some incremental progress towards goals by increasing communication and learning sessions for		Increased communication and learning for reducing waste in the built	This wouldn't directly result in waste reduction but could inform and inspire industry		This wont directly result in emission reduction but could inspire industry actors to		These conversations will not have a direct impact on environmental stewardship and	No changes on inclusivity and reducing barriers	This would make it easier for actors in the C&D sector to learn about the circular built		This can help stimulate conversations and bring the community together and		This would help shift behaviour of actors in the industry by having these		This could be implemented in the next 0-5 years.		io changes to accountability as his would be voluntary and just e conversations together		No changes to tracking from conversations.	No changes to consistency/harmonizatio directly, but could result in		and the same of th		
economy through waste prevention	stories, communication, and learning sessions that promote	Med	firect impact on affordability.	Med	environment wont have a direct impact on jobs/GDP.	Med	industry	High	environment supports	actors to reduce waste and Med would target CRD materials		reduce their emissions, likely anthropogenic emissions	Med	the outcomes are difficult to predict.	ed	about the circular built environment High	High	develop social connection	High	conversations together	High		Med	, and	Med		indirect harmonization by Med getting actors together in room	High	Builds partnerships with	High	
	waste prevention in their industry communications and learning sessions																												industry event organizers and promotes shared learning.		Sharing of success stories can increase resiliency in the community
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1.0 Rethink		1		2		3		4	5		6		7	8		9		10	11	1		12		13		14		15		16		17
Strategy ID No. 1.3 Build on and foster ID021	Action Option Work on collaborative research	Affordability Assumptions Opportunity to reduce costs	Economic Prosperity	Assumptions Could create a need for	Innovation	Assumptions New for the region or a significant	Circularity	Assumptions I Could consider options from	Waste Reduction Assumption Could focus on high	GHG Emis ns Reducti	on Assumptions Potential to target organics	Environmental Stewardship		Inclusivity Assu	umptions barriers or	Convenience Assumptions  Makes it easier for certain sectors	Community Participation	Assumptions Enhances community	Supports Waste Prevention Habits and Actions	Assumptions Has potential to change	Practicality of Implementation	Assumptions Research can be completed in	Accountability	Assumptions Through increased research and	Transparency	Assumptions Research increases transparency	Consistency / Harmonization	Assumptions Through more research and	Collaboration	Assumptions	Resilience	Assumptions
an inclusive and collaborative circular economy	projects to further advance waste reduction and circular economy, and share the findings broadly.	through research projects that of eventually be implemented community-wide	an High	project specific jobs as well as future circular economy implementation experts	s High	expansion of current smaller projects at a minimum	High	top levels of hierarchy	materials for certa	in sectors High	with certain sectors	High	demonstrate higher environmental performance through reduction of harmful materials	access Med		to participate and improve waste reduction	High	programming through research projects and future implementation efforts across the community	High	behaviours through demonstration of research and sharing of successful projects	Med	short term but sharing of ideas and implementation into community will take longer	High	waste reduction projects being implemented, accountability has the potential to increase across the community	High	Research increases transparency especially when sharing of project details (successes and failures)	High	project implementation, consistency across the region should increase with sharing of successes, lending itself to future harmonization	High	Directly involves collaboration with research	High	Projects that advance CE help
1.3 Build on and foster ID017 an inclusive and collaborative circular economy	Collaborate with external groups to identify and implement new circular economy initiatives in the community.	No expected changes in cost to the community	High	New initiatives could create jobs	High	New initiatives is innovative	High	Circular economy initiatives focus on the top levels of the hierarchy	Assumption that the would focus on high tonnage materials organics and plastic	such as Med	Has potential to reduce anthropogenic emissions - circular economy reduces GHGs	High	Has potential to reduce use of harmful subtances and decrease water use, dependent on initiative	No change to access	barriers or	Identification of new initiatives mean more people in the community can participate	High	Enhances community building and peer-to-peer learning	High	Could shift behaviour to more circular actions in the community	High	Could implement in short term	High	Would increase tracking and performance monitoring of initiatives in the community	High	Circular initiatives would increase overall system transparency	High	Opportunity to increase business efficiency and reduce confusion for residents	High	partners.  Focused on building new external partnerships.	High	to increase resiliency  New CE models can increase resiliency
1.3 Build on and foster ID098 an inclusive and collaborative circular economy	Develop collaborative programs that integrate Indigenous practices into urban sustainability initiatives, such as community composting gardens or permaculture projects.	Practices such as community compositing can be more cost efficient for managing organic material.	Med	Unlikely to direct correlate to increased jobs or GDP.	High	Significant game changer for the circular models and transitioning programs to be more local and sustainable.	r e High	Although some of the programs are focused on composting, there is an opportunity to develop local circular systems.	This targets organi would likely target percent of all organ region.	cs, but it a small nics in the High	Targets organics.	High	Demonstrable improvements to the system by introducing circular systems with a local sustainable focus.	Involvement transfer from cultures.	and knowledge n indigenous	Local systems can provide more convenient options. High	High	Huge opportunity to connect people and cultures through peer-to-peer learning and social connection.	High	This action would help with the shift of behaviour to meet goals.	High	This can be implemented in the next 0-5 years.	Med	No accountability component.	Med	No changes to transparency expected	High	Harmonization of local, sustainable practices and systems.	High	Explicitly involves collaboration with Indigenous communities and sustainability organizations to co-develop culturally	High	Significant progress towards resiliency with increased focus on local and sustainable practices and
1.3 Build on and foster an inclusive and collaborative circular economy	Continue working with textile waste reduction organizations to develop tools for the fashion industry to design low waste, circular clothing.	No change in cost from this initiative since it is a "continue" action and likely won't increase decrease costs for industry in the near future.	or High	Development of tools could increase/create jobs	Med	Developing tools for industry is innovative	High	Tools can focus on top levels of hierarchy	Focuses on textiles a higher tonnage it High		Would target plastics and can help to reduce anthropogenic emissions	High	Has significant potential to reduce water use with certain tools	No change to access	o barriers or	Makes it easier for textile industry to participate and improve waste management	High	Erhances community building and peer-to-peer learning	High	Changes behaviours of textile industry	High	Easy to continue relationships and expand in next 5 years	High	Works to hold accountable textile industry	High	Increases transparency of materials from textile industry	High	Increases consistency across textiles industry	High	relevant programs.  Builds and maintains partnerships with external	Med	systems.
1.3 Build on and foster an inclusive and collaborative circular economy	Lead a working group to support member jurisdictions on the development and implementation of circular procurement policies and practices.	Circular procurement policies as practices have the potential to reduce costs, especially if done collaboratively. Therefore, increasing affordability eventua	id High	Potential to increase jobs through circular procurement policies and practices.	t High	New idea for the region that would support circular economy business models.	High	Promoting procurement to buy sustainable good supports rethink/reduce/reuse.	Has the potential t high tonnage mate as organics and pla High	o focus on rials such stics.	Likely to reduce some anthropogenic emissions, but not significant GHG emission reduction.	Med	Within regulatory limits.	No changes of reducing barn Med	on inclusivity and riers.	This will make it easier for MV and organizations to find circular solutions.	High	Enhances community building and peer-to-peer learning	High	Supports behaviour change through more sustainable buying power.	High	Would take some organizing and collaboration but a working group should be able to be established within five years.	High	Through a working group and establishing relationships, accountability is likely to increase.	Med	No changes expected.	High	A working group should increase harmonization across the region and organizations through collaborative relationships.	High	organizations and industry.	High	incremental improvement  Circular procurement has the
1.3 Build on and foster ID160 an inclusive and collaborative circular economy	Develop, test and share low carbon circular built environment procurement approaches, tools and templates.	Circular procurement policies as practices have the potential to reduce costs, especially if done High collaboratively. Therefore,	id High	Potential to increase jobs through circular procurement policies and practices.	t High	New idea for the region that would support circular economy business models.	High	Promoting procurement to for low carbon build environment is rethink/reduce/reuse.	Targets high tonna material and has p a reduce large peri C&D waste.	ge otential to centage of	Likely to reduce some anthropogenic emissions, but not significant GHG emission reduction.	Med	Within regulatory limits.	No changes of reducing barring	on inclusivity and riers.	This will make it easier for MV and organizations to find circular solutions.	High	This can help stimulate conversations and bring the community together and develop social connection	High	This would help shift behaviour of actors in the industry by having these conversations together	High	Would take some organizing and collaboration but a working group should be able to be established within five	High	Through a working group and establishing relationships, accountability is likely to increase.	Med	No changes expected.	High	A working group should increase harmonization across the region and organizations through	High	among member jurisdictions and stakeholders. Builds collaboration across	High	Circular procurement has the potential to increase resliency for the community.
1.3 Build on and foster ID022 an inclusive and collaborative circular	Collaborate with governments, industry, and technology partners to develop digital tools that map	Requires investment in digital infrastructure, data collection, a training. Costs could be significa	nd nt	Development of tools could increase/create jobs		A cutting-edge approach (digital "material passports," BIM integration) that can transform the construction and		Focuses on reuse of building materials	Targets high tonna materials (wood w	ge aste)	Reduces anthropogenic emissions		Promotes conservation of natural resources and prevents environmental degradation	No change to access	barriers or	This can make it more convenient for the C&O sector to participate in reuse and salvage		No major impact on community participation		No direct impact on behaviour change		years.  This would require significant time and resources to implement and could be		Has the opportunity for increased accountability due to tracking materials		This would increase knowledge of material flow		collaborative relationships.  Shared digital standards and platforms would align practices across the region		jurisdictions and industry to cdevelop and share procurement tools.		Circular procurement has the potential to increase resliency for the community.
economy	how buildings are constructed and what materials they contain, enabling better tracking and forecasting of used building materials for reuse.	initially but offset over time through efficiencies in deconstruction, reuse, and recycling.	High		High	demolition sector, unlocking systemic reuse opportunities.	High		High	Med		High	associated with material production and disposal.	Med		High	Med		Med		Med	impelmented in 5-10 years	High		High		High	and beyond.	High	Builds multi-sector partnerships for digital innovation and circularity.	High	Material mapping strengthens resilience by securing secondary material supply chains and reducing reliance on virgin imports.
1.3 Build on and foster ID026 an inclusive and collaborative circular economy	Collaborate with regional economic development agencies and others on aducation for business on the benefits of circular business models, invite industry to share their ideas on	No chruges to affordability. Unsure of results from this actic	n. High	Waste prevention approaches and circular solutions generally increases jobs and/or GDP, especially when regulatory approaches forces multiple sectors to change.	: High	This could significantly support the transition to a circular business model and the transition to reusable systems by supporthing those businesses through procurement.	High	Forces producers to Rethink/Reduce/Reuse and recycle better	Assuming a focus of tonnage items such organics and plasti	n as	Has potential to reduce anthropogenic emissions - circular economy reduces GHGs	High	Has potential to reduce use of harmful subtances and decrease water use, dependent on initiative	No changes of reducing ban Med		No significant changes to convenience.  Med	High	things businesses and industry together.	High	Could shift behaviour to more circular actions for businesses.	High	Ability to start collaborating in next 0-5 years.	Med	No changes to accountability.	Med	No changes to transparency.	Med	No requirements associated with action so no change to consistency.	High		High	
1.3 Build on and foster ID018	how to accelerate adoption of circular business models and update existing circular economy	No change in cost from this		No change to jobs		becomental accorder through		Cooriday levelor from	Between the transaction to the t	hish	Beteatist to treat amois		Within regulatory limits.	No change to	harrier er	No change		Peer-to-peer learning		No changes to behaviour		Easy to continue		No chanse		No changes expected		No changes to		Builds partnerships with agencies and industry stakeholders.		Projects that advance CE help to increase resiliency
an inclusive and collaborative circular economy  1.3 Build on and foster ID027	Continue to learn from circular economy and waste prevention leaders.  Investigate how to maximize low-	No charge in cost from this initiative since continuing to but on already developed partnerships. Requires investment in workfor		Strong potential to create jobs	Med	incremental progress through implementation of existing best practices socially innovative in rethinking how	rs High	Considers learnings from other municipalities at all levels of the hierarchy including Rethink/reduce/reuse Would likely focus on all	tonnage materials organics through is learned.  Dependent on the	sectors	Indirect — emissions avoided	Med	Within regulatory limits.	Med access Strong equity	rimpact: low-	Med  Not resident-facine, but increased	High	Can strengthen community-	Med	expected.  Could increase access to	High	Requires collaboration with	Med	No changes to accountability.	Med	No changes to transparency.	Med	consistency/harmonization	High	Supports ongoing collaboration and knowledge exchange.	Med	Incremental improvement
an inclusive and collaborative circular economy	barrier employment opportunities in roles that support a circular economy	development, partnerships with employment agencies, and potentially subdisice or training Med programs. Costs are moderate to can deliver long-term social and economic returns.	ut High	in reuse, repair, recycling, logistics, and remanufacturing —sectors that often rely on hands-on, accessible labor. Supports Metro 2050 goals of a sustainable, inclusive economy.	E High	circular economy jobs can also meet workforce equity and accessibility goals.	Med	levels of the hierarchy.	supported (e.g., te electronics, C&D). Employment grow reuse/repair can so diversion.	th in	through expanded reuse and recycling activities.	Med		barrier jobs o opportunitie underemplo including you and people w traditional er		availability of reuse/repair services may improve convenience indirectly.		based organizations (e.g., non- profits running repair cafés, depots, or textile programs) by providing them with a more stable workforce.	Med	reuse/repair services, helps residents shift behaviors toward waste prevention.	Med	employment agencies, chambers of commerce, and non-profits. Implementation timeline "5 years, but investigations and pilot programs could begin sooner.	Med		Med		Med	with this action so no change to consistency.	Med	May involve internal collaboration or consultation, but not necessarily new	High	Builds workforce resilience by creating durable local employment tied to circular industries, reducing wuherability to global
1.3 Build on and foster ID099 an inclusive and collaborative circular economy	Continue and build on existing industry collaborations such as national scale organizations to reduce plastics and other priority waste streams.	No change in cost from this initiative since building on existi Med collaborations.	ng Med	No change to jobs	Med	Incremental progress through increased innovation	High	Assumption that the focus is on reuse	Assumption that the would focus on high tonnage materials plastic	her	Has potential to reduce anthropogenic emissions	Med	Within regulatory limits.	No change to access	barriers or	No change Med	High	Peer-to-peer learning	Med	No changes to behaviour expected.	High	Easy to continue	Med	No change	Med	No changes expected	Med	No changes to consistency/harmonization	High	external partnerships.  Builds on and expands existing partnerships.	Med	economic shocks. Incremental progress as measuring and reporting doesn't significantly increase resiliency for the future populations
1.3 Build on and foster an inclusive and collaborative circular economy	waiste streams. Continue to facilitate sharing with member municipalities through regularly scheduled advisory committee meetings. Through these committees, host workshops and learning sessions with member jurisdiction staff on	No change in cost from this initiative since building on existi collaborations.  Med	Med	No change to jobs	Low	Already occuring (status quo).	High	Opportunity to focus on higher levels of the hierarchy	Assumption that the would focus on high tornage materials plastic and organic High	her such as	Has potential to reduce anthropogenic emissions	Med	Within regulatory limits.	No change to access	barriers or	No change Med	High	Peer-to-peer learning	Med	No changes to behaviour expected.	High	Should be relatively easy to continue and even further develop relationships and peer-to-peer learning	Med	No change	Med	No changes expected	Med	No changes to consistency/harmonization	High		Med	
1.4 Collect and enhance ID093 data to track progress toward a circular economy	priority topics.  Research and pilot ways to measure success of cellaborations.	No expected impact to affordability.	Med	Not expected to have a significant impact on job creation.	High	The collaborative work would significantly intrpove data and awareness in the region.	High	Focused on improving measuremet for the highest levels of the hierarchy.	Does have the pot- focus on organics ( waste).	ential to food High	Does have the potential to focus on organics (food waste).	High	Opportunity to reduce other environmental impacts such as water use and unnecessary landfilling. Measurement options could go much beyond waste	No changes t barriers.	o system	No changes in convenience.  Med	High	Opportunity to connect the community through awareness and measurement of these programs.	High	Specifically focused on waste prevention through a variety of reuse/repair programs.	Med	Although research could be done immediately, it is expected it will take some time to develop measurement options for prevention in a	High	Potential in the future for increased accountability through increased measurement in a collaborative way.	High	Additional measurement options indicating success through a collaborative approach increases transparency of materials and systems in place.	High	Collaboration with the other organizations on this option would increase harmonization of measurement.	Med	Strengthens collaboration with member municipalities.  Focuses on evaluation and internal learning, but does	High	Incremental improvement  Increase in measurement and understanding program success has the potential to
1.4 Collect and enhance   D091   data to track progress toward a circular economy	Develop methods for estimating and reporting environmental benefits for waste prevention actions, such as reduction of GHG emissions (including embodied	No impact on affordability.		Unlikely to direct correlate to increased jobs or GDP.	)	Could be significant for the region when it comes to reporting and tracking progress towards goals. Paints a more holistic picture.	'	Focused on measurement/reporting for waste preventon actions.	Not necessarily tar specific materials, focused on measurement/rep	geting more orting.	Not necessarily targeting specific materials or emissions more focused on measurement/reporting.		Considers environmental benefits beyond waste prevention and GHG emissions.	No changes t barriers.	o systemic	No changes to convenience.		Little change to community building.		Could ultimately lead to waste prevention habits and actions based on the data reported (tracking progress).		collaborative way.  Would likely take significant resources and time to develop tracking and reporting processes for waste		Increased measurement and tracking will increase accountability and awareness across the region		More measurement and tracking will increase transparency, espeically around waste prevention.		Data can be used to develop regional targets or goals.		not clearly build or expand partnerships.		increase community resilience.
	carbon), water use, and life-cycle impacts.	Med	Med		High		High		Med	Med		High		Med		Med	Med		High		Med		High		High		High		Med		High	Understanding data and increased tracking could increase knowledge and
1.4 Collect and enhance ID092 data to track progress toward a circular	Continue to develop and improve region wide key performance indicators to track progress on	No expected change from KPIs		no expected job creation from development of KPIs		Focus would be on continuing to develop and improve regional KPIs with regards to circularity. Therefore, not net new	p	KPIs focused on circularity would mostly consider the higher levels of the hierarchy	Has potential to fo higher tonnage ma and associated pro	cus on terials	Has potential to focus on organics / food waste and associated programs but not likely to reduce a huge		Development of KPIs is not likely to have significant environmental benefits beyond	No expected removing sys	changes - not itemic barriers	No expected changes to convenience for the general population		Collaboration between municipalities would be required but limited social connection,		Unlikely the development of KPIs would contribute directly to behaviour change		Would take time to develop circular KPIs and establish consistency across the region		Increased measurement and tracking will increase accountability across the region		More measurement and tracking will increase transparency		If KPIs are developed using a region approach this would encourage harmonization		May involve consultation, but does not clearly build or expand partnerships.		awareness of waste prevention programming on a community level.
econarry	circular economy through rethinking and reducing waste.	Med	Med		Med	and would likely only contribute incrementally towards goals.	High		but not likely to re huge percentage o waste stream.	duce a	percentage of the waste stream.	Med	wiste prevention and GHG emissions.	Med		Med	Med	community building, or peer-to- peer learning opportunities	Med	in the near future.	Med		High	,	High		High		High		Med	
1.4 Collect and enhance   ID097	Work towards reporting by	No added cost to residents or		Supports market		Improves existing systems: not a new		Enables better tracking to	Helps identify prior	rities but	Not necessarily targeting		Environmental benefits are not	No expertad	impact on	This could make it less convenient		Little change to community		Can help with shifting		Requires coordination across		Improves ability to track		Makes material flows more		Supports harmonized		Will likely require collaboration with industry, member jurisdictions, organizations, etc.		Incremental progress as measuring and reporting doesn't significantly increase resiliency for the future populations Strengthers knowledge of
data to track progress toward a circular economy	material type on all levels of the waste hierarchy starting with organics, wood, and textiles.	sectors; may help reduce costs over time.	Med	development indirectly.	Med	approach.	High	support higher hierarchy actions.	doesn't directly re- waste.	Med	specific materials or emissions but can support better diversion strategies.	Med	beyond waste and GHG emission reduction and are within regulatory limits.  No direct environmental impact	inclusivity.		for industry as reporting requirements might increase and Low require more effort.	Med	building.	High	behaviour to meet goals of waste reduction and reuse by having greater insight into waste composition.	Med	jurisdictions. Feasible within 5–10 years.	Med	performance by material type, increasing accountability for outcomes, but no direct tracking/regulatory component.	High	visible, supporting public understanding and system oversight.	High	reporting across jurisdictions and sectors, reducing confusion and improving comparability.	Med	May involve collaboration with data providers and industry groups, but primarily focuses on internal reporting improvements.	Med	material flows, which supports long-term adaptability but does not directly enhance infrastructure system resilience.
data to track progress toward a circular economy	Explore new technology that could help with data collection.	Exploring and implementing nov technology typically increases costs, especially in initial phases Low	Med	Could maintain existing jobs in waste management sector; potential for new tech jobs, but uncertain scale	High	Directly focused on introducing new approaches that could unlock/accelerate ability to meet goals through better data	e a Med	actions	Technology exploridosn't directly tar tonnage materials; depends on future implementation	get high impact Med	uncertain	Med	from exploration phase; any implementation would need to stay within regulatory limits	during explor could potent accessibility in data systems	•	No immediate convenience charges; future implementations could improve user experience	Med	Technology exploration is primarily technical/administrative and doesn't connect people	Med	Better data collection could enable more effective behavior change programs, but this is indirect	Med	Exploration phase is moderately easy, but actual technology implementation could require significant system changes (5-10 year timeline)		Better data collection technology would significantly improve accountability across the waste management system	High	New technology specifically aimed at data collection would demonstrably improve transparency	High	Standardized technology platforms could significantly improve consistency across the region	Med	May involve collaboration with technology vendors and potentially other parisdictions, but limited community engagement.	Med	Better data systems could support more resilient decision-making, but this is incremental improvement to existing infrastructure
1.4 Collect and enhance   D094   data to track progress toward a circular economy	Maintain and strengthen waste composition data to improve actionable insights.	No added cost to residents or sectors, but not likely to increas Med affordability either.	e Med	May support market development indirectly by increasing the understanding of waste composition and material flow in the region.	Med	Enhances existing data systems. This is not a novel approach but supports smarter decision-making and targeted interventions.	High	Helps identify opportunities to prioritize higher hierarchy actions such as reuse and reduction.	Does not directly n waste.	Med	May support emissions reduction indirectly by providing better insight into material composition, especially for organics and high-impact materials. No direct connection to GHG	Med	Improves understanding of environmental impacts based on waste composition, but no direct impact.	Med No changes to barriers or ac experienced groups/peop	tcess by different de	No immediate convenience changes.  Med	Med	No changes to community building, social connection and peer-to-peer learning.	Med	Potential to support targeted education and outreach that may support behavior change over time.	High	Builds on existing systems and feasible within current resources and timelines. Possible within 0-5 years	Med	No changes to accountability. This will not hold actors more accountable than existing system.	High	Will provide better information about the solid waste management system in the region, supporting public understanding.	Med	Potential to support standardized data collection across jurisdictions, but not directly part of action.	Med	May involve collaboration with data providers or consultants, but the action isself focuses on internal data management.	Med	No impact on ability to handle future threats and sudden changes to the system.
1.4 Collect and enhance ID096 data to track progress toward a circular economy	Look at ways to include diversity, equity and inclusion data in solid waste data.	Developing new data collection systems and methodologies typically increases operational costs	Med	Could maintain existing data analysis jobs; potential for specialized consulting work, but limited scale	Med	Represents improvement in data collection processes, though DEI data integration is increasingly standard practice	Med	Data collection itself operates at process improvement level; could inform more equitable circular economy programs	Does not directly tonnage materials; on waste reduction entirely on subseq actions	impact depends	reduction; very indirect	Med	No direct environmental impact; could help identify environmental justice issues in waste management	Directly addr barriers by in understandir in service acc outcomes	nproving	No immediate convenience changes; better data could lead to more accessible service design	Med	Data collection process could involve community engagement, but doesn't directly connect people	Med	Better understanding of different community needs could enable more culturally appropriate behavior change programs	Med	Moderately complex to implement - requires new methodologies, privacy considerations, and 5-10 year timeline for comprehensive system	High	Significantly improves accountability by making equity impacts visible and measurable	High	Demonstrates commitment to transparent reporting on equity outcomes in waste management services	Med	Could improve consistency in equity approaches, but may initially create complexity across municipalities	High	Requires extensive collaboration with diverse community groups and equity-focused organizations	Med	Better understanding of community needs could support more resilient, inclusive service design