5.0 Recover						2				,		,		,						40	1			42		42				"		40		47
5.0 Recover			Economic	1		,			Waste	•	GHG Emissions		Environmental	,		ı		,	Community	10	Supports Waste Prevention		Practicality of	12		15		14	Consistency/	15		16		1/
Strategy ID No. 5.1 Recover materials ID 169	Action Option Affor Collect dimensional lumber not	dability Assumptions Requires investment in collection	Prosperity	Assumptions Could create opportunities in	Innovation	Assumptions Would be an innovative approach for	Circularity	Assumptions Focused on recovery (non-	Reduction	Assumptions includes high tonnage of	Reduction	Assumptions Overall net GHG emissions	Stewardship	Assumptions Compared to burning of fossil	Inclusivity	Assumptions No changes to impacts on	Convenience	Assumptions May increase convenience of	Participation	Assumptions Likely no large changes to	Habits and Actions	Assumptions If anything this would	Implementation	Assumptions Additional infrastructure and	Accountability	Assumptions No changes to ability to hold	Transparency	Assumptions No changes to transparency	Harmonization	Assumptions No significant change to	Collaboration	Assumptions	Resilience	Assumptions
and energy from non- recyclable materials	suitable for reuse or recycling to process into fuel to replace fossil fuels in applications such as district energy and other decentralized heating and agricultural/industrial systems.	systems, processing infrastructs (e.g., biomass fuel production), and end-use facilities. Could be cost-competitive with fossil fuel over time.	Mah	bioenergy production and create jobs.	High	the region to use low-quality wood.	Low	recyclable material)	High	non-recyclable wood from the C&D sector.	Med	reduction when compared to burning of fossil fuels.	Med	fuels, not likely to change impact, positively or negatively, on environmental stewardship.		barriers or access experienced by different groups/people		managing non-recyclable lumber. But could be challenging to collect if mixed with other materials.	Med	community building, social connection and peer-to-peer learning	Low	encourage materials to remain unrecyclable.	Low	technology would likely require more than 10 years to implement considering design requirements, permits, construction, etc.	Med	actors responsible.	Med		Med	consistency/harmonization across the region.	Med	May involve collaboration, but does not guarantee partnerships.	High	Has potential to build regional energy resilience.
5.1 Recover materials and energy from non- recyclable materials	Advocate for and expire the potential for piloting technologies that can convert construction and demollion veced waste into energy and feel such as: electricity, aviation foel or hydrogen, biemass/biocoal.	Typically these types of technologies come with signification cost and investment, even are pint stage. However, come to signification of the unding and private investment by from costs will remain high! the sector when exploring new technologies.	High	Could create technological opportunities for the region and jobs. However, huge job numbers are not often associated with these technologies, but the exploration and research could involve more jobs.	High	Would require high level of innovation and would be new for the region.		Focused on recovery (non- recyclable material)	n	includes high bonnage of non-recyclable wood from the C&D sector.	Med	Depending on what sechnologies are chosen, but if waste-to-energy is replacing fossil fuels, there is an opportunity for an overal GHS emissions reduction. Only if compared to burring fossil fuels and primary source is non-recycled wood.	Med	If comparing to burning of focial fusiks, not lishly to change impact, positively or negatively, on environmental stewardship.		No changes to impacts on barriers or access experienced by different groups/people	Med	Likely limited/restricted but would provide contractors and hauders with additional disposal options.	Med	Likely no large changes to community building, social connection and peer-to-peer learning	Low	If anything this would encourage materials to remain unrecyclable.		Advocacy could start earlier, but even exploring pilot options could take upwards of 10 years when considering regulations and permits.	Med	No changes to ability to hold actors responsible.	Med	No changes to transparency	Med	No significant change to consistency/harmonization across the region.	Med	May involve collaboration, but does not guarantee partnerships	Med	Has potential to build C&D management disposal options further in the future but not likely to have a significant impact in the neaf future through advocacy ampilot exploration.
5.1 Recover materials ID168 and energy from non-recycloble materials	Share information with respect to construction and demolition waste characteristics and quantities to support investigations into the potential to recover materials from non-recyclable construction and demolition waste.	No significant change to cost assumed with this option being focused on sharing of information.	Med	Indirect - better data supports businesses and investors in developing new recovery markets for currently non- recyclable materials. Long- term economic potential if markets are created.		has the potential to be higher, but with idea sharing, likely only a process improvement making incremental progress.	Low	Focused on recovery (non- recyclable material)	n	includes high tonnage of non-recyclable wood from the C&D sector.	Med	Depending on what "recovery" looks like, but if waste-to- energy is replacing fossil fuels, there is an opportunity for an overal GHG emissions reduction. Only if compared to burning fossil fuels and primary source is non-recycled wood.	Med	If comparing to burning of fossil fuels, not likely to change impact, positively or negatively, on environmental stewardship.		No changes to impacts on barriers or access experienced by different groups/people	Med	No changes in convenience by increasing imoviedge of best practices.	Med	Likely no large changes to community building, social connection and peer-to-peer learning	Low	If anything this would encourage materials to remain unrecyclable.	High	Sharing of ideas should be relatively easy to implement in the next 0-5 years.	Med	No changes to ability to hold actors responsible.	Med	No changes to transparency	Med	No significant change to consistency/harmonization across the region.	High	Sharing of Information involves collaboration amongst industry experts and municipalities.	High	Has potential to increase connectedness of resources and information.
5.1 Recover materials ID171 and energy from non- recyclable materials	materials.	Unlikely to affect affordability significantly since this option is a continuation and focused on small loads.	Med	Not expected to have a significant impact on jobs.	Low	Already occuring (status quo).	Low	Focused on recovery (non- recyclable material)	High ti	includes high tonnage of non-recyclable wood from the C&D sector.	Med	Overall net GHG emissions reduction when compared to burning of fossil fuels.	Med	If compared to burning of fossil fuels, not likely to change impact, positively or negatively, on environmental stewardship.	Med	No changes to impacts on barriers or access experienced by different groups/people	Med	Likely limited/restricted but provides small contractors with additional disposal options.	Med	Likely no large changes to community building, social connection and peer-to-peer learning	Low	If anything this would encourage materials to remain unrecyclable.	High	Since this is already happening it should be relatively easy to continue.	Med	No changes to ability to hold actors responsible.	Med	Performance data could be reported, but since these are private facilities, processes are less visible/understood.	Med	No significant change to consistency/harmonization across the region.	Med	May involve collaboration, but does not guarantee partnerships.	Med	Incremental progress that doesn't have significant impact on resiliency for the future growing population
S.1 Recover materials ID170 and energy from non-recyclable materials	in facilities with advanced environmental protection systems such as cement plants.	Could reduce fixel costs for industry and leverages a sixting industry and laverages a sixting industrial facilities (cement kins avoiding major new infrastructs costs.		Benefits likely limited to certain industries such as cement producers.	Med	Not an overly innovative approach since use of alternative fuels for cement kilns is being done in North America. But could still prove to be innovative for the region.	Low	Focused on recovery (non- recyclable material)	n ti High	includes high tonnage of non-recyclable wood from the C&D sector.	Med	Overall net GHG emissions reduction when compared to burning of fossil fuels as would be required in cement kilns.		Compared to burning of fossil fuels in cement kiln, not likely to change impact, positively or negatively, on environmental stewardship.	Low	Impacts are very specific to certain industries.	Med	Likely limited/restricted but would provide contractors and hauders with additional disposal options.	Low	Limited to very specific industry and not community-driven.	Low	If anything this would encourage materials to remain unrecyclable.	ned	Since plants already operate in the region this could likely be implemented between 5 and 10 years with policy support and technology installations.	Med	No changes to ability to hold actors responsible.	Med	Performance data could be reported, but since these are private facilities, processes are less visible/understood.	Med	No significant change to consistency/harmonization across the region.	Med	May involve collaboration, but does not guarantee partnerships.	High	Has potential to build regional waste system resilience by serving as an outlet for non-recyclable wood.
5.1 Recover materials ID379 and energy from non- recyclable materials	Continue to pursue the beneficial use of bottom ash from the Waste-to-Energy Facility in cement plants.	Potential to reduce landfilling costs of ash if material can be sold, or given, for use in cement plants.	Med	Not expected to have a significant impact on GDP or job creation. Even if material is diverted, it is unlikely to create jobs.		Would require high level of innovation and would be new for the region.		Focused on recovery (non- recyclable material)	Low a	Focused on ash material generated from waste-to- energy which is not deemed a high tonnage material according.	Med	Unknown at this time since an GHG analysis would need to be conducted based on the use of the ash versus landfilling. Unlikely to have a significant impact on GHG emissions either way.	Med	if comparing to landfilling, not likely to change impact, positively or negatively, on environmental stewardship.		No changes to impacts on barriers or access experienced by different groups/people	Med	No impact on convenience expected, other than possibly for cement kilns.	Low	Since this is focused on a very industry specific audience in the region (coment kilns), community participation could be reduced.	Low	Focused on disposal option for ash which, if any, could continue to encourage was to-energy and reduce prevention actions.	l ste-	Research and exploring options could take upwards of 10 years to work with industry when considering regulations and permits.		No changes to ability to hold actors responsible.	Med	No changes to transparency	Med	No significant change to consistency/harmonization across the region.	Med	May involve collaboration, but does not guarantee partnerships.	Med	Could reduce reliance on landfilling but does not significant impact the ability for the region to absorb shocks or disruptions.