DETAILED ACTION PLAN

The detailed action plan is a living document that is updated regularly. Along with the service delivery review, this outlines key activities towards achieving the objectives of Te mahere whakahaerenga para, Waste Management and Minimisation Plan 2020.

The action plan is grouped into five key themes.

- Maximising composting of organics
- Maximising recycling of recyclable materials
- Safe management of hazardous substances
- Leadership and innovation in the Christchurch waste and resource recovery sector
- Effective resource recovery education and communications.

As outlined in the table below, within the five themes are 10 focus areas that contain 28 actions for the current financial year. Progress reports will be provided regularly and the action plan will be reviewed annually. A summary of actions with their status, can be found at ccc.govt.nz/ourwaste.

Focus Area	Current FY (2020/21)	Year 2 (2021-2022)	Years 3 – 6 (2022-26)			
Theme 1: Max	ximising composting of organics					
1. Maximise plant potential and increase service provision	Action 1. Improve operations at the organics processing plant to accept more products, address processing capacity and odour challenges	Investment decision regarding Organics Processing Plant upgrade	Consent variation for Organics Processing Plant as required			
		Investigate options to increase demand for output product	Confirm ongoing contractual arrangements for processing (NB. current contract expires 2024)			
	Action 2. Improve access to CCC organics services	Review charging options to incentivise both public drop-off and enhanced green bin services	Expand kerbside collection across Banks Peninsula (incl. Birdlings Flat)			
		Review service provision to schools and not for profit organisations				
	Action 3. Identify new collection systems for inner city organics	Implement inner city service provision for organics				
Theme 2: Max	Theme 2: Maximising recycling of recyclables					
2 Maximise recovery of onshore recycling and increase value	 Action 4. Work with central Government on developing their waste work programme Affiliate with Canterbury Waste Joint Committee WasteMINZ. Local Government New Zealand (LGNZ) and Society of Local Government Managers (SOLGM). Provide representation in central Government working groups and advisory groups 	Action 4 continued.	Action 4 continued.			
	Action 5. Identify new collection systems for inner city recycling	Implement inner city service provision for recycling (improve on current system of weekly bags)	Expand kerbside collection across Banks Peninsula (incl. Birdlings Flat and community collection network)			
		Establish/ further promote recyclable collections for central city businesses	Confirm ongoing contractual arrangements for processing (NB. current contract expires 2024)			
		Service delivery review (review charging, levels of service and collection model)				

	 Action 6. Support onshore processing of recycling, including solutions for glass, mixed plastic and paper Work with central Government work programme, through the resource recovery taskforce. E.g. development of the national Container Return Scheme (CRS) Action 7. Council work programme to manage contamination (<10%) Deliver proven targeted behavioural change programmes, based on effectiveness (ongoing) Continue to promote diversion services at transfer stations (ongoing) Biennial Materials Recovery Facility (MRF) open day (run by contractor) Promote re-use of materials (e.g. EcoShop, second hand goods) 	Develop strategic short-term solutions while medium to long-term solutions are developed Expand onshore recycling capability, addressing Basal Convention requirements Support innovation across resource recovery infrastructure Encourage public engagement across repair and reuse activity (e.g tool library, repair workshops) Increase frequency of open day; annual MRF open day (run by contractor)	Develop planning guidelines for new developments and mandatory requirements for waste services Support development of alternative options for recovery of materials that are currently non-recyclable Encourage businesses and individuals to sort and recover resources rather than disposing to landfill
Theme 3: Safe	e management of hazardous substances		
3. Provide safe use of Council services for disposal of hazardous substances and materials	 Action 8. Promote safe disposal options for hazardous materials Promote facilities at council transfer stations Biannual education programme regarding hazardous substances in the kerbside collection system Annual household hazardous waste collection day for Banks Peninsula (collaboration with Agrecovery in 2020) Degassing of used whiteware (ozone depleting substances) 	Action 8 continued.	Action 8 continued.
	 Action 9. Expand the collection and recovery of handheld batteries based on the successful Christchurch pilot Lobby central Government development of product stewardship schemes for batteries and other priority products Work with industry, WasteMINZ and Fire and Emergency New Zealand (FENZ) to develop safe disposal and collection systems 	Expand collection model for household batteries	Expand electronic waste (e-waste) collection services in line with proposed product stewardship program
4. Managing environmental effects of waste (including disposal sites	Action 10. Safely manage all former landfills for ongoing environmental protection • Manage the liability associated with former landfills including appropriate risk screening and remediation of at-risk sites	Address climate change related and Greenhouse gas emission risks	
and litter)	 Action 11. Regulate waste operations within Christchurch, utilising the Solid Waste Bylaw 2015 Provide a robust licensing system for disposal sites, and advice for waste operators wanting to start-up in the area. 	Review Waste Management Bylaw (2009) and current Terms and Conditions (2015) Review the application of the waste handling licence to a wider industry group Improve data collection and analysis (annual commercial waste survey)	Consider further industry engagement to obtain better data on waste volumes generated

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$\frac{1}{3}$		In response to changes in the sector, collaborate	Establish a regional coordinator resource under the CWJC, to ensure	Develop a regional infrastructure strategy (Consider regional synergies
Canterbury) regionally to address emerging risk and issues communication and region wide feedback for national scale projects and economies of scale in alternative treatment technologies e.g. waste	Canterbury)		communication and region wide feedback for national scale projects	
 Work with CWJC member councils to establish shared objectives, including resilience planning - Shared communication programme aimed at improving quality of 			Shared communication programme aimed at improving quality of	to energy)
shared objectives, including resilience planning - Shared communication programme aimed at improving quality of working with Environment Canterbury and kerbside collections (reducing contamination)			, , , , , , , , , , , , , , , , , , , ,	
neighbouring councils to address shared risks			and the second s	
J , , ,			kerbside collections (reducing contamination)	

	Deliver a shared communications strategy	Share the CCC wheelie bins app as a template to CWJC member councils	
8. National coordination and representation by Christchurch City Council staff on national issues	 Action 18. Lobby central Government on continued work programme for waste. Including development of product stewardship schemes and the proposed Container Return Scheme Work with central Government, WasteMINZ and associated groups to lobby for product stewardship 	 Support the development of product stewardship through; National territorial authority officers forum group Proposed priority products and implementation of product stewardship schemes Proposed Container Return Scheme Continued development of trials to separate and recover difficult to deal with materials (e.g. batteries programme) Work with Government agencies to encourage policies limiting imports of problem materials that contribute to our waste challenges 	
	Action 19. Work with stakeholders to promote a circular economy	Action 19 continued. Address broader issues such as plastics pollution and the development of alternative processes including those that promote a circular economy. Share information and resources with partners to promote effective use of resources and development of sustainable approaches for managing waste.	Action 19 continued.
9. Council as a leader	Action 20. Service delivery review (Funding mechanisms to support and incentivise waste minimisation and collection models)	Improve collection efficiencies, data and council processes on the recommendations from the Service Delivery Review	Develop local resource recovery and less energy intensive options for managing our resource recovery services Review alternative treatment technologies e.g. waste to energy Expand our engagement on resource recovery using novel approaches e.g. smart cities, bin information, enhanced education resources
	 Action 21. Embrace new technology for a better resource recovery system and promote a circular economy Utilise technology across our collection network to support efficient service provision, including: RFID kerbside bins Use information from collections and contamination reporting to inform targeted education and non-collection of contaminated bins 	Action 21 continued	Action 21 continued
	 Action 22. Climate Change The waste, recycling and organics facilities we provide support our climate change targets of zero net greenhouse gas emissions, along with a 50 per cent reduction from 2016 baseline for methane, by 2045. 	Influence a reduction in vehicle and process emissions across the resource recovery sector – e.g. transition to electric vehicles Investigate whether CCC could implement a Zero Waste approach across council offices and service centres Further encourage a paperless office (set reduction targets)	Provide waste diversion systems, encourage waste reduction. Look for local and alternative processes which reduce greenhouse gasses associated with Christchurch's waste.
	Action 23. Procurement processes that focus on waste reduction • Target Sustainability service - working with our suppliers and lessees of Council facilities and infrastructure, to encourage waste reduction	Action 23 continued. Council Resource Efficiency and Greenhouse Gas Emission (REGGE) programme groups/units set solid waste reduction targets as part of their REGGE management plans. Council procurement processes have an increased focus on purchasing recycled content	Action 23 continued.
	ective resource recovery education and communi	cations	
10. Promote behavioural	Action 24. Increase communication and incentives for keeping waste out of landfill		

change through education programmes	 Updating the kerbside mobile application Kerbside auditing program Review charging mechanisms for waste services 		
programmes	Action 25. Continuous improvement of behavioural change programmes • Continue to support and promote education programmes, including; - Waste Free council events - Love Food Hate Waste campaign	Review of behaviour change programmes Further development of, and support for, waste-free non-council events Provision of funding for localised & community based initiatives (e.g. community composting, gardens)	Offer in-school education programmes including compost training and food waste diversion Promote/support further food rescue and organic collection schemes through funding programmes Engage businesses to divert food waste from landfill through food and organics services (include focus on food processing and manufacturing as well as retail)
	 Action 26. Provision of school targeted education Deliver Learning outside the Classroom (LOTC) programmes Ensure correct messages are provided to our schools Support access to resource recovery sites – e.g. bus to the EcoDrop and site open days 	Measure effectiveness of LOTC programmes to inform further development Increase scope to pre and post programme support within schools (e.g. school waste management guidance, engagement with parents	Collaborate with other sustainability providers and groups) Move schools towards management of their resources, with support
	 Action 27. Provision of education via Council facilities Delivery of sustainability education to preschools via libraries and storytimes Support community waste reduction initiatives at council facilities through advertising and space provision 	Measure effectiveness of sustainability education programmes to inform further development	Develop waste reduction programmes at all libraries, based on public feedback
	 Action 28. Create a common language around valuing our resources Provide accessible information through a variety of methods, including using new technology, to communicate messages Development of app, game and work with Smart Cities Address communication diversity across the community 	Support a change in language around waste to promote resource stewardship and encourage waste minimisation	