

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: Maximising 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 Investigate options to increase demand for output product	Consent variation for Organics Processing Plant as required 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 Review service provision to schools and not for profit organisations	Expand kerbside collection across Banks Peninsula (incl. Birdlings Flat)
	Action 3. Identify new collection systems for inner city organics	Implement inner city service provision for organics	
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 <ul style="list-style-type: none"> • 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) Establish/ further promote recyclable collections for central city businesses Service delivery review (review charging, levels of service and collection model)	Expand kerbside collection across Banks Peninsula (incl. Birdlings Flat and community collection network) Confirm ongoing contractual arrangements for processing (NB. current contract expires 2024)

	<p>Action 6. Support onshore processing of recycling, including solutions for glass, mixed plastic and paper</p> <ul style="list-style-type: none"> • Work with central Government work programme, through the resource recovery taskforce. E.g. development of the national Container Return Scheme (CRS) 	<p>Develop strategic short-term solutions while medium to long-term solutions are developed</p> <p>Expand onshore recycling capability, addressing Basal Convention requirements</p> <p>Support innovation across resource recovery infrastructure</p>	<p>Develop planning guidelines for new developments and mandatory requirements for waste services</p> <p>Support development of alternative options for recovery of materials that are currently non-recyclable</p>
	<p>Action 7. Council work programme to manage contamination (<10%)</p> <ul style="list-style-type: none"> • 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) 	<p>Encourage public engagement across repair and reuse activity (e.g. tool library, repair workshops)</p> <p>Increase frequency of open day; annual MRF open day (run by contractor)</p>	<p>Encourage businesses and individuals to sort and recover resources rather than disposing to landfill</p>
Theme 3: Safe management of hazardous substances			
3. Provide safe use of Council services for disposal of hazardous substances and materials	<p>Action 8. Promote safe disposal options for hazardous materials</p> <ul style="list-style-type: none"> • 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.
	<p>Action 9. Expand the collection and recovery of handheld batteries based on the successful Christchurch pilot</p> <ul style="list-style-type: none"> • 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 and litter)	<p>Action 10. Safely manage all former landfills for ongoing environmental protection</p> <ul style="list-style-type: none"> • 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	
	<p>Action 11. Regulate waste operations within Christchurch, utilising the Solid Waste Bylaw 2015</p> <ul style="list-style-type: none"> • Provide a robust licensing system for disposal sites, and advice for waste operators wanting to start-up in the area. 	<p>Review Waste Management Bylaw (2009) and current Terms and Conditions (2015)</p> <p>Review the application of the waste handling licence to a wider industry group</p> <p>Improve data collection and analysis (annual commercial waste survey)</p>	Consider further industry engagement to obtain better data on waste volumes generated

	<p>Action 12. Adopt a regional approach to litter and illegal dumping</p> <ul style="list-style-type: none"> Work with our internal stakeholders to co-ordinate an effective litter management programme, aligning with regional approach 	<p>Update our current policy towards litter and illegal dumping (2003), including support for local groups/ events for picking up litter</p> <p>Develop a regional litter strategy/approach to litter and illegal dumping</p> <p>Work with businesses and residents to encourage a shift towards personal responsibility for waste e.g. “leave only footprints”</p>	<p>Partner with community and research groups to develop innovative mechanisms for litter and Illegal dumping</p> <p>Investigate and develop regional impacts of changes to waste disposal levy on illegal dumping and litter</p>
Theme 4: Leadership and innovation in the Christchurch waste and resource recovery sector			
5. Encourage innovation in the commercial sector	<p>Action 13. Work with industry to promote waste minimisation and resource efficiency across the commercial sector</p> <ul style="list-style-type: none"> Continue to provide resource efficiency and sustainability advice (Target Sustainability and Eco Advisor services) Continue to promote and fund innovation in the waste and resource recovery sector through the Canterbury Waste Joint Committee’s annual contestable waste minimisation fund Identify waste reduction opportunities across commercial sector 	<p>Support innovative commercial technologies for recovery of priority waste streams and treating Christchurch and/or Canterbury’s residual waste.</p> <p>Assist Christchurch businesses to reduce solid waste and greenhouse gas emissions, and to be energy and water efficient</p> <p>Encourage organisations to adopt a resource efficiency framework, including those adopting a zero waste approach (including through recognition of sustainability in our procurement process)</p> <p>Promote innovation and new approaches to waste minimisation by the commercial sector</p>	<p>Support emissions footprint reporting for emerging technologies</p> <p>Support organisations to actively promote themselves as zero waste</p> <p>Support organisations to work together to achieve circular economy opportunities</p>
6. Encourage community-led resource recovery activity and support towards a circular economy	<p>Action 14. Collaborate with Papatipu Rūnanga and organisations, to support a regional transition to zero waste and a circular economy</p>	<p>Action 14 continued</p>	<p>Action 14 continued</p>
	<p>Action 15. Support for community and environmental organisations through funding schemes and programmes</p>	<p>Expand support and funding for repair/re-use activities.</p> <p>Increase provision of maker and repair workspace on council sites,</p> <p>Increase access to materials at the resource recovery centres</p> <p>Support youth education, providing them with tools to have their own waste minimisation programmes</p>	<p>Develop linkages between existing organisations (e.g. community/business networks where resources are shared – develop a matchmaking dialogue)</p> <p>Support community organisations to actively promote themselves as zero waste</p> <p>Support community organisations work together to achieve circular economy opportunities</p>
7. Regional coordination (Working with Canterbury Waste Joint Committee (CWJC) member councils and Environment Canterbury)	<p>Action 16. Promote and fund innovation in the waste and resource recovery sector through the Canterbury Waste Joint Committee’s annual contestable waste minimisation fund</p>	<p>Continue to promote and fund innovation in the waste and resource recovery sector through the Canterbury Waste Joint Committee’s annual contestable waste minimisation fund</p>	<p>Continue to promote and fund innovation in the waste and resource recovery sector through the Canterbury Waste Joint Committee’s annual contestable waste minimisation fund</p>
	<p>Action 17. Collaborate with CWJC, including address emerging risk and issues and shared marketing and waste data</p> <ul style="list-style-type: none"> In response to changes in the sector, collaborate regionally to address emerging risk and issues Work with CWJC member councils to establish shared objectives, including resilience planning - working with Environment Canterbury and neighbouring councils to address shared risks 	<p>Update our Disaster Waste Management Plan in conjunction with CWJC councils</p> <p>Establish a regional coordinator resource under the CWJC, to ensure communication and region wide feedback for national scale projects</p> <p>Shared communication programme aimed at improving quality of kerbside collections (reducing contamination)</p>	<p>Develop a regional planning approach (Waste Minimisation and Management Plan)</p> <p>Develop a regional infrastructure strategy (Consider regional synergies and economies of scale in alternative treatment technologies e.g. waste to energy)</p>

	<ul style="list-style-type: none"> 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	<p>Action 18. Lobby central Government on continued work programme for waste.</p> <ul style="list-style-type: none"> 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 	<p>Support the development of product stewardship through;</p> <ul style="list-style-type: none"> 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	<p>Action 19 continued. Address broader issues such as plastics pollution and the development of alternative processes including those that promote a circular economy.</p> <p>Share information and resources with partners to promote effective use of resources and development of sustainable approaches for managing waste.</p>	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	<p>Develop local resource recovery and less energy intensive options for managing our resource recovery services</p> <p>Review alternative treatment technologies e.g. waste to energy</p> <p>Expand our engagement on resource recovery using novel approaches e.g. smart cities, bin information, enhanced education resources</p>
	<p>Action 21. Embrace new technology for a better resource recovery system and promote a circular economy</p> <ul style="list-style-type: none"> 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
	<p>Action 22. Climate Change</p> <ul style="list-style-type: none"> 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. 	<p>Influence a reduction in vehicle and process emissions across the resource recovery sector – e.g. transition to electric vehicles</p> <p>Investigate whether CCC could implement a Zero Waste approach across council offices and service centres</p> <p>Further encourage a paperless office (set reduction targets)</p>	<p>Provide waste diversion systems, encourage waste reduction.</p> <p>Look for local and alternative processes which reduce greenhouse gasses associated with Christchurch's waste.</p>
	<p>Action 23. Procurement processes that focus on waste reduction</p> <ul style="list-style-type: none"> Target Sustainability service - working with our suppliers and lessees of Council facilities and infrastructure, to encourage waste reduction 	<p>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.</p> <p>Council procurement processes have an increased focus on purchasing recycled content</p>	Action 23 continued.
Theme 5: Effective resource recovery education and communications			
10. Promote behavioural	Action 24. Increase communication and incentives for keeping waste out of landfill		

change through education programmes	<ul style="list-style-type: none"> • Updating the kerbside mobile application • Kerbside auditing program • Review charging mechanisms for waste services 		
	<p>Action 25. Continuous improvement of behavioural change programmes</p> <ul style="list-style-type: none"> • Continue to support and promote education programmes, including; - Waste Free council events - Love Food Hate Waste campaign 	<p>Review of behaviour change programmes</p> <p>Further development of, and support for, waste-free non-council events</p> <p>Provision of funding for localised & community based initiatives (e.g. community composting, gardens)</p>	<p>Offer in-school education programmes including compost training and food waste diversion</p> <p>Promote/support further food rescue and organic collection schemes through funding programmes</p> <p>Engage businesses to divert food waste from landfill through food and organics services (include focus on food processing and manufacturing as well as retail)</p> <p>Collaborate with other sustainability providers and groups)</p>
	<p>Action 26. Provision of school targeted education</p> <ul style="list-style-type: none"> • 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 	<p>Measure effectiveness of LOTC programmes to inform further development</p> <p>Increase scope to pre and post programme support within schools (e.g. school waste management guidance, engagement with parents)</p>	<p>Move schools towards management of their resources, with support</p>
	<p>Action 27. Provision of education via Council facilities</p> <ul style="list-style-type: none"> • Delivery of sustainability education to preschools via libraries and storytimes • Support community waste reduction initiatives at council facilities through advertising and space provision 	<p>Measure effectiveness of sustainability education programmes to inform further development</p>	<p>Develop waste reduction programmes at all libraries, based on public feedback</p>
	<p>Action 28. Create a common language around valuing our resources</p> <ul style="list-style-type: none"> • 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 	<p>Support a change in language around waste to promote resource stewardship and encourage waste minimisation</p>	