

Table 1: Corporate emissions reduction

Action	Role	Comment	Status
Convert our fleet to electric vehicles and hybrids.	Asset owner	During the 2022-23 financial year, we purchased 2 pool vehicles (MG's) and a new library van (E-Sprinter)) and 1 hybrid (Toyota). This year we are hoping to purchase 3 EVs (MG's) and 2 hybrids.	Underway
Seek to achieve further reductions in business operations (for example, procurement, water conservation, waste minimisation and energy efficiency).	Asset owner	Promoting ongoing reductions through procurement will become increasingly important to the corporate emissions reduction plan. From December 2023, the Sustainability Advisor will be working with the procurement team to review procurement documents and weightings for evaluations.	Underway
Plant 11 more hectares of trees at the Waikanae Dam.	Asset owner	Tree planting was delayed in the 2022/23 financial year due to supply issues, but 1.1 hectares were planted before the end of the year. For the 2023/24 financial year, 7.5 hectares (12,500 trees) of land was planted with native trees. Note: planting trees at the Waikanae Dam reduces net emissions through sequestration, while also protecting land, water quality and improving biodiversity.	Underway
Investigate options to reduce emissions from wastewater treatment.	Asset owner	Council is investigating options to manage the sludge from the wastewater plant alongside the solid waste team.	Underway
Investigate opportunities for further sequestration through tree planting on Council-owned land.	Asset owner	A desktop exercise was undertaken in early 2023 to identify Council-owned land that could be used for further carbon sequestration. Council will now conduct a detailed analysis to refine identified land based on site-specific suitability.	Underway
Update Kāpiti Coast District Council Carbon and Energy Management Plan.	Asset owner	With 5 approved major carbon reduction projects scheduled in the LTP, the Carbon and Energy Management Plan is no longer required for emissions 1 and 2.	Retired
Undertake annual carbon emission inventories with independent audits by Toitū Envirocare.	Asset owner	The annual Toitū Envirocare audit has been undertaken in November 2023.	Underway
Reduce emissions from LED streetlights.	Asset owner	Nearly 95% of all existing streetlights have been converted to LED. 274 streetlights conversions will take place on the old SH1 once the revocation from Waka Kotahi is complete.	Ongoing

Reduce emissions from power usage in halls by using LEDs in any renewal or new works	Asset owner	The Property team has a policy to replace all lights with energy saving LEDs whenever there is a project or renewal that involves lighting. The same applies to the installation of insulation in halls where roof replacements or ceiling renewals are planned. These actions will reduce energy consumption for the halls.	Ongoing
Upgrade the aeration blowers at the Paraparaumu Wastewater Treatment Plant for increased energy-efficiency.	Asset owner	This has been undertaken.	Complete
Research energy usage and emissions from infrastructure construction.	Asset owner	An independent consultant undertook a full review of the Paraparaumu Transport Hub Improvement Project's carbon footprint. This included a range of factors such as energy and materials, embodied carbon, and waste. The findings from this review will inform the planning and implementation of future construction projects.	Complete
Seek to achieve further reductions in business operations (for example, procurement, water conservation, waste minimisation and energy efficiency).	Asset owner	The Properties team has converted the heat pump at the Paraparaumu Memorial Hall from gas to electricity. They have a policy to upgrade lighting to LED, and to provide insulation as renewal of properties occur.	Ongoing
The Project Management Office are trialling the use of 'Save Board'	Asset owner	'Save board' is a product made of recycled tetrapacks. The PMO are trialling this product for use in hoardings around sites. If successful, this may be used more widely.	Underway
Move to lowering power consumption through IT tools	Asset owner	<ul style="list-style-type: none"> • The move to laptops from desktops that have enabled hibernation modes has reduced the number of computer devices. • Encouragement to reduce printing where possible. • Old equipment goes to an organisation that refurbishes old desktops, laptops, etc and redistributes those to non-profits (13 organisations in Kapiti benefitted in 2021/22) 	Ongoing
Investigate opportunities for further reductions, particularly via solar power.	Researcher	Two feasibility studies were undertaken to assess a solar farm and a solar hub on suitable land. The project for a solar hub on civic buildings has been submitted for LTP 2024 consideration.	Complete
Purchase electric rubbish truck for civic area litter	Asset owner	Business case submitted for LTP for 2026/27 for litter removal at public parks, civic areas and public roadside bins.	Planned

Waikanae Pool - Gas boiler to heatpump conversion	Asset owner	Business case submitted through LTP for 2026/27	Planned
Ōtaki Pool – Gas boiler to heatpump conversion	Asset owner	Business case submitted through LTP for 2026/27	Planned
Low mow trial at Raumati Road Reserve	Asset owner	A trial is underway at a high profile park site, whereby the grass will be mown only a few times a year to monitor community buy in and check any issues. This will reduce mowing and therefore carbon emissions through fuel.	Underway
Emissions 3-6 data capture	Research	An investigation into how value chain emissions should be measured for audit will be initiated in the beginning of 2024.	Planned
Internal council Green Team	Facilitator	The cross-council team has been invigorated to discuss opportunities to share information and encourage coordination across the climate and environment space.	Ongoing

Table 2: Districtwide emissions reduction

Action	Role	Comment	Status
Develop a district emissions model for setting a target through the Climate and Resilience Strategy and to develop pathways to reduce district emissions.	Researcher	The model has been completed and pathways are informing the Climate and Resilience Strategy. The strategy will set the target for districtwide emissions.	Complete
Develop a transport emissions model to refine opportunities to reduce related emissions.	Researcher	The model has been completed and will be published to the website in Feb/Mar 2024.	Complete
Participate in the development of the Wellington Regional Leadership Committee's Regional Emissions Reduction Plan.	Advocate	The Wellington Regional Leadership Committee has employed a Project Lead and a Core Group has been established. A public Forum was held on 24th July 2023. Monthly meetings are held, sector specific projects are being investigated, and the strategy is being drafted, due for consultation in March 2024.	Ongoing

The Intensification Plan change (Plan Change 2) will enable greater density closer to services and rapid transport hubs in urban areas.	Facilitator	The plan became operative from 1 September 2023.	Complete
Update urban design guidelines and Land Development Minimum Requirements (LDMR).	Facilitator	Plan Change 2 introduces new guidelines for medium density buildings in residential zones, and taller buildings in centre zones. The LDMR is also included in Plan Change 2.	Complete
Work with communities to develop town centre intensification plans that include a low-carbon focus.	Facilitator	Feedback from Council's upcoming series of 'Vision 2050' workshops is required to progress this project further.	Planned
Develop a monitoring framework to measure how we are delivering on the principles of the growth strategy <i>Te tupu pai</i> .	Facilitator	Feedback from Council's upcoming series of 'Vision 2050' workshops is required to progress this project further.	Planned
Encourage active transport (e.g., bike riding or walking) through footpaths, shared paths, on-road cycle lanes, and off-road cycleways that are safe and connected.	Asset owner	Council is reviewing the commuter walking and cycling network to produce a 10-year programme of works. Projects will include safety improvements and new connections. The delivery plan is expected to be drafted in 2024.	Planned
		On-road cycle lane renewals (green surfacing and demarcation) are 90% complete, to be completed by June 2024, and Council officers continue to work with Waka Kotahi to provide and promote active transport facilities on the old SH1.	Underway
		Council has developed and adopted a Speed Management Plan that slows traffic near schools and other civic areas. The purpose is to increase safety of cycling and pedestrians, and this improves opportunities for modal shift. Implementation and consultation for the sites will follow in 2024.	Underway
		Renewed the Wharemauku Pathway connecting Raumati to Coastlands, resurfaced the Waikanae River trail, and led an upgrade of the Te Ara o Whareroa shared path between Paekākāriki and Raumati South with funding from Waka Kotahi.	Complete
		Council has developed a cycling map for the Kāpiti Coast.	Complete

		New cycle stand installations were delivered at Paekākāriki Township, the Paraparaumu Transport Hub, Waikanae township and locky docks outside Council on Rimu Road.	Complete
Continue to deliver our transport safety education programme so network users are confident and safe.	Educator	<p>Council delivers a wide range of transport safety programmes. Recent initiatives have included:</p> <ul style="list-style-type: none"> • Pedal Ready at Kapakapanui, Kena Kena, and Raumati South schools, • Be Safe Be Seen, which included the distribution of over 1000 reflective backpack covers, and • the annual School Patrol Parade. 	Underway
Develop an accessibility strategy.	Asset Owner	Feedback from Council's upcoming series of 'Vision 2050' workshop is required to progress this project further.	Planned
Encourage and enable uptake of lower emissions electric vehicles (EVs) in the district by supporting a growing network of charging stations.	Facilitator	Council has granted a licence to Meridian Energy to install 6 charging stations at the Coastlands Aquatic Centre.	Complete
		The Sustainability & Resilience Team have started a project with the Economic Development Team to develop an EV Charging Policy that will align with the Destination Management Plan.	Planned
We take every opportunity to advocate to Waka Kotahi, the Ministry of Transport and KiwiRail, and participate in advisory groups to encourage and support the development of a low-carbon transport system.	Advocate	Council officers are regularly in attendance at the Wellington regional meetings for Waka Kotahi's Te Ringa Maimoa Transport Excellence Partnership (formerly known as the Road Efficiency Group). These meetings are two-monthly.	Ongoing
		The Wellington Transport Alliance (WTA) was established in July 2022. The aim of the WTA is to deliver a safer, more efficient transport system for the region. Council officers attended the first meeting of the WTA late last year. These meetings will continue each quarter.	Ongoing

We take every opportunity to advocate to GWRC and participate in regional groups for the development of an improved public transport system.	Advocate	Mayor Janet Holborow is the Council representative to the Regional Transport Committee (RTC), which meet quarterly to discuss regional transport issues.	Ongoing
		Council officers are regularly in attendance at the quarterly GWRC Technical Advisory Group (TAG) meetings.	Ongoing
Waste Education is continuously delivered for schools, communities, and businesses.	Educator	The Zero Waste Education Programme was recently delivered to 361 children at Kapiti Children's Centre, Small Wonders Childcare and Kapiti Primary School, St Peter Chanel School and Ōtaki School	Complete
		Love Your Compost workshops and market stalls have reached 323 residents in the 2022-23 financial year. The Love Your Compost campaign is a home composting behaviour change programme targeting residential food scraps and garden waste. A series in the current financial year has just been delivered in November / December 2023.	Complete
		Workshops on reducing waste, recycling and reducing food waste were delivered in different community groups, reaching 294 residents in total	Complete
		A waste free period session was delivered to Kapiti College to support young wāhine to use more reusable menstrual products now and throughout their lives.	Complete
		A cloth nappy trial session was delivered to Kāpiti Children's Centre, and a cloth nappy kit was provided to the centre to be used for 3 months.	Complete
Support community-led waste minimisation projects and seed funding for business waste reduction.	Funder	The 2023/24 Waste Levy Grant has been awarded to 15 waste reduction projects by the Council Grants Subcommittee. More information can be found at Waste levy grants - Kāpiti Coast District Council (kapiticoast.govt.nz) .	Underway
Require and support zero waste events.	Educator	The Kāpiti Food Fair 2023 (with over 10,000 visitors on 2 December 2022) was a zero-waste event.	Complete

	Regulator	19 other events were supported with bookable waste resources, advice on event management and the development of waste minimisation plans, and post-event waste analyses.	Ongoing
The Otaihangā Resource Recovery Facility and the Ōtaki Resource Recovery Centre provide recovery, recycling, and disposal services through lease to operate agreements.	Asset owner	The number of visitors to the recycling area at Otaihangā averages 110 people per day. On average, each visitor disposes of around 23kg of recyclables. This will be revised in a couple of years.	Ongoing
A new community-led Zero Waste Hub (resource recovery centre) is being established, with an initial focus on construction and demolition as these are large sources of waste.	Asset owner	A 3-year waste levy grant was approved by Council on 8 Dec 2022 to the Sustainability Trust to support the operation of this community recycling centre, conditional upon the operator entering into a lease agreement for the site. A large shelter has been constructed on site, office buildings are being completed. A soft opening is planned for March 2024.	Underway
New bylaw requirements are in force, requiring waste minimisation for multi-unit developments and large events.	Regulator	The Development Control and Resource Consent Teams are working with the Waste Management and Minimisation Team to process new consent applications.	Ongoing
	Educator	An online, waste calculator tool to help applicants develop waste management and minimisation plans is currently under development. The Zero Waste Hub will provide an important resource for the diversion of construction waste.	Ongoing

Table 3: Adapting Council services and activities

Action	Role	Comment	Status
<i>Water supply</i>			
Support water conservation and storage.	Asset owner	The Water Conservation and Tradewaste Officer investigates reduction of water use through metering.	Ongoing
Undertake an ongoing water supply leak detection programme, targeting areas with trends of increasing water usage.	Asset owner	In November and December 2022, leak detection was carried out across Ōtaki Central, Ōtaki Beach and the Waitohu Plain. Waikanae is scheduled for early 2024.	Ongoing

		The information collected is used to instigate repairs and inform renewals.	
		Targeted rates are available for rain water tank purchases for properties built before 2007.	Ongoing
Assess the condition and performance of water supply networks and specific sites and procure expert planning advice.	Asset owner	Condition assessments of water supply pump stations and above ground bridge crossings to be carried out this year.	Completed
Several major projects are planned to improve water supply capacity, reliability and resilience. Examples include the new clarifier at the Waikanae Water Treatment Plant, searching for new water sources (bores) in Ōtaki, and investigating new reservoir sites in Ōtaki.	Asset owner	<ul style="list-style-type: none"> • With co-funding from Kainga Ora (Infrastructure Acceleration Fund), funds have been allocated for a land purchase to site a 5.5 million litre reservoir in Ōtaki to serve Ōtaki Central and Ōtaki Beach. New pipes will also be constructed in Ōtaki Central and Ōtaki Beach. • The design is has been progressed for the new reservoir, the contract has been let and earthworks are underway. • The new pipeworks and mains contract has also been let. 	Underway
		Construction is commencing this year at the Waikanae Water Treatment Plant (WTP) on a new clarifier, rapid mix tank, chemical plant upgrades and equipment renewals. The contract for this has been let in November 2023	Underway
		Additional work is planned this year at the Tasman Road WTP and Rangiuru WTPs with consents being worked on and plans developed with mana whenua.	
Implement a range of planned actions at each water supply site to improve water treatment, storage, and structural integrity.	Asset owner	Inspections and safety checks have been undertaken on the roof sealing at the Waitohu, Waikanae, and Otaihanga water reservoirs.	Complete
Undertake a range of planned water supply renewals across the district, mainly to pipes, pump stations and storage facilities.	Asset owner	Replacement of existing water pipes on Te Moana Road, Waikanae and in Paekākāriki has been undertaken.	Complete
Installation of a new fire main in Otaki	Asset owner	Stage 1 of a fire main has been installed in Otaki	Complete

Plant 11 more hectares of trees at the Waikanae Dam to protect land and water quality.	Asset owner	See Table 1 for this action update as this tree planting also helps to sequester carbon.	Underway
Remove gravel at the Waikanae water supply intake.	Asset owner	Gravel removal will reduce blockages in the network, particularly during large storm events. The planning is in the final stages.	Underway
At the consenting stage, advise on new developments to ensure new water supply infrastructure aligns with national, regional, and local standards.	Asset owner	No further comment.	Ongoing
<i>Wastewater</i>			
Capacity studies, condition assessments and performance assessments identify urgent issues and inform activity plans for the wastewater activity.	Asset owner	CCTV studies have been undertaken to identify weak points in the network that could be susceptible to leakage. Approximately 30% of the Ōtaki wastewater network has been assessed. Paraparaumu/Raumati wastewater and stormwater networks have also been delivered, with 40kms tested via the smoke and CCTV to look for defects. The programme of repairs have been submitted through the long term plan.	Underway
Educate people on wastewater conservation to minimise demands on the wastewater network, making it easier to accommodate new demands from climate change and growth.	Education	A new campaign is coming to highlight what flushes down the network.	Planned
We have planned a range of wastewater network renewals and builds across the district. For example, we have allocated \$6.5 million for upgrades at both of our wastewater treatment plants and \$3.6 million for other upgrades to the network. The range of projects will improve storage and treatment processes in wet weather and	Asset owner	The Ōtaki Wastewater Treatment Plant (WWTP) oxidation pond desludging has been completed. Installation of an aeration pond inflow bypass pipe has also been completed, enabling de-gritting of the aeration pond (completed Feb 2023). This work, plus the inlet screen renewal, will restore the aeration pond design capacity. These projects will help improve the wastewater treatment and effluent discharge quality.	Complete
		There are new investigations to improve land treatment processes at the Otaki Wastewater Treatment Plant	Underway

minimise inflows and overflows across the network.		The re-lining of the stormwater overflow pond at the Waikanae terminal pump station and Paraparaumu WWTP is underway. A GWRC resource consent has been obtained. The Waikanae WTP has had work completed - upsizing the current 25,000 m ³ sewer overflow pond to 40,000 m ³ and line it with impervious High Density Polyethylene (HDPE) liner.	Underway
		The old sludge pits at the Paraparaumu Wastewater Treatment Plan have been dug out, sludge removed and pits replaced with clean fill. The lab is monitoring the water quality.	Completed
Monitor existing septic tank maintenance and minimise illegal septic tank connections to reduce infiltration to the wastewater network.	Asset owner	No further comment.	Ongoing
<i>Stormwater and coastal assets</i>			
Prioritised consideration of green infrastructure for stormwater, where possible.	Asset owner	The Low Impact Design mandate which sits under Te Mana o te Wai favours green infrastructure and treatment. Kapiti continues to utilise open waterways over pipes where possible to convey water.	Ongoing
Undertake regular stormwater drain inspections and maintenance (at a cost of about \$700,000 per year).	Asset owner	As part of our urban stormwater drain network is open waterways (approximately 40km), we recently completed 22.5km of open drain / stream cleaning (gravel extraction, machine and hand cleaning).	Underway
		An application for a global consent has been lodged for channel maintenance to ensure conveyance of stormwater.	Underway
		Emergency works at the Ngarara Stream to mitigate risks associated with Council owned wastewater infrastructure was completed.	Complete
Inspect private stormwater assets on private properties and educate landowners about how to maintain retention ponds and soak pits on their properties.	Educator	Council: Inspected 280 privately owned ponds in subdivisions Inspected down pipes – 98% completed Counted retention ponds	Complete
		A brochure has been developed for landowners regarding management of their assets	Complete

The proposed combination of <u>major and minor renewals</u> on the stormwater network will increase the network's ability to manage surface water runoff.	Asset owner	Minor stormwater capital renewals have recently been completed in 8 locations across the district, while two major asset renewal projects (at Paraparaumu / Wharemauku catchments PP03 and PP04) are finished.	Complete
The proposed combination of <u>new assets and upgrades</u> to the stormwater network will increase the network's ability to manage surface water runoff.	Asset owner	Upgrades at Riwai Street (Stage 2), Matene/ Matai and Rauparaha Street are finished	Complete
		The other upgrade projects about to commence include Jeep Road/ Clunie Ave,	Planned
		Amohia Catchment Stage 1 stormwater project delivering increased capacity pipes along Iver Trask Place, Kapiti Road and Amohia Street is nearing completion, due by mid-2024.	Underway
Advise on the maintenance of access and transport stormwater infrastructure. Roads act as secondary flow paths and are important for the stormwater network. Sump cleaning and replacement will increase the network's ability to manage surface water runoff.	Asset owner	<p>The roading and stormwater teams are jointly carrying out the following projects, and the majority are finished:</p> <ul style="list-style-type: none"> • Districtwide sump inspections • Sump upgrades • Sump lead inspections and renewals, which include up-sizing as required. 	Ongoing
Manage stormwater inflow and infiltration through down pipes, manholes and pipe networks to ensure the district's wastewater activity continues to be resilient. Investigations to identify inflow and infiltration sources, coupled with maintenance of pipes and manholes, will minimise infiltration into the wastewater network. This includes instances of stormwater infiltration into the wastewater network on private properties.	Asset owner	<p>Visual inspections were carried out across the district's 34 stormwater catchments. From these inspections, stormwater inflow into the wastewater network was identified in nearly 400 locations.</p> <p>Smoke testing was then carried out in 5 of the stormwater catchments. This testing identified ~20% more direct inflow sites than the visual inspections.</p> <p>Smoke testing is planned for the remaining 29 catchments and a programme has been developed.</p>	Underway

Explore the development of a new bylaw to mandate certain practices on private properties.	Regulator	Bylaw development has not yet commenced.	Planned
Advocate to GWRC for improved flood protection in the rivers and streams under their jurisdiction under the Kāpiti Coast Watercourses Agreement.	Advocate	No further comment.	Ongoing
During significant rainfall events, parks and open spaces provide storage for stormwater until the stormwater network can manage the runoff.	Asset owner	No further comment.	Ongoing
Raumati seawall	Asset owner	The 3.1 km Raumati seawall has exceeded its design life. This project has a completed detailed design and a staged renewal programme is being developed.	Underway
Wharemauku block wall	Asset owner	A long-term solution is being investigated and discussions with affected property owners are being undertaken.	Underway
Paekākāriki seawall	Asset owner	Designs are being further developed.	Underway
<i>Access and transport</i>			
Construction and maintenance projects provide opportunities for climate change adaptation. We have planned a range of improvements to increase the transport network's resilience. Some of these, such as converting low-volume sumps and culverts to higher capacity, will help manage surface water runoff.	Asset owner	There have been 45 sumps reconstructed since July 2021 to improve functionality of waterflow in high rainfall events.	Ongoing
		Culverts on the Akatarawa Road have been condition assessed with cameras to identify at high-risk assets and these are being programmed for replacement over the next 2-3 years. There have been 3 culverts replaced on this route so far.	Ongoing
Research the durability of construction methods and materials, particularly in relation to more extreme rainfall events and rising groundwater.	Researcher	Council commissioned a preliminary paper on material durability from external technical experts. Council officers are now considering how the findings will be incorporated into future project builds.	Complete

Look for opportunities to build resilience. As the expressways are built through the district, we are working alongside Waka Kotahi to increase resilience, for example by strengthening bridges and building secondary access routes.	Advocate	<p>The Mackays to Peka Peka Revocation project is near completion, providing an upgrade for local traffic on the old SH route. Handover to Council is expected in early 2024.</p> <p>Council is continuing discussions with Waka Kotahi on the Peka Peka to Ōtaki Revocation project, which is to prepare the old SH to be handed over to Council for local road use. This includes the Te Horo straights and Ōtaki township. Detailed design will be completed in early 2024, with construction programmed for the second quarter of 2024.</p> <p>These two revocation projects provide a key second north to south route through the majority of our district and increased resilience ahead of any natural disaster.</p>	Ongoing
<i>Parks and Property</i>			
A global consent for beach access maintenance has been obtained in late 2023	Asset owner	The KCDC Global Consent for Beach Accessways enables work in consultation with mana whenua to orientate accessways vulnerable to sand blow out to be orientated in a southerly aspect.	Complete
		Works to orientate the beach accessways south will be programmed and staged.	Planned
Alternative tracks have been developed along Waikanae River	Asset owner	Two tracks have been built in sections of the river prone to damage from flooding.	Complete
Playgrounds are being installed with shade sails	Asset owner	In anticipation of more sunny days during summer, most playgrounds are being provided with shade sails or natural shade as they are upgraded.	Ongoing
Increased water fountains installed (3-4 per annum)	Asset owner	Fountains have been installed at Victor Weggery Reserve, Tennis Court Reserve, 2x at Mazengarb Hockey Turf. Te Atiawa Reserve is next	Ongoing
Grass management improvements	Asset owner	Moisture monitors have been installed in the sportsfields at Mazengarb and Waikanae Parks to tailor irrigation systems to reduce water use	Ongoing

		Trail of warm season grasses including couch is to be started in early 2024 at Jim Cooke sportsfields. These grasses are more drought tolerant and minimise bore water use.	Planned
		Wetting agent chemicals are being applied on sportsfields to hold moisture. Growth retardants are being trialled on Awa Tapu Cemetery to reduce mowing and increase drought tolerance.	Ongoing
		Slow-release fertilisers have started to be used instead of traditional agricultural fertilizers. This reduces leaching through the soil layers, is more efficient with amount applied and reduces flow into rivers	Ongoing
Waste minimisation			
Maintain and renew existing infrastructure for waste minimisation and disposal services.	Asset owner	Asset management planning considers projected climate change impacts, particularly high winds and site flooding. Stormwater capital works were undertaken in February at the Otaihanga Resource Recovery Facility pond to prevent (further) future flooding of the site during severe rain events.	Complete
Undertake community liaison and work with operators to manage impacts from green waste diversion.	Regulator	We work with operators to support operational innovations to manage off-site odour issues due to increased temperatures and high winds. Council and Composting NZ continue to hold regular meetings with local residents to discuss off-site odour issues at the Composting NZ Otaihanga garden waste drop-off site. Composting NZ is currently trialling a new odour suppressant (EM).	Ongoing
Regional			
Participate in the development of the Wellington Regional Growth Framework: Wellington Region Climate Change Impact Assessment (WRCCIA) - Phase 1 of the Regional Adaptation Plan.	Underway	A series of workshops started last year to identify climate change impacts across a range of domains: natural ecosystems, physical assets and infrastructure, the economy, and society (including health, safety and well-being, and cultural life and identity). The draft impact assessment will be delivered mid 2024. For more information, see Regional approach to climate change impacts assessment - WRLC.	In progress

Table 4: Supporting community adaptation

Action	Role	Comment	Status
We are working with our iwi partners and technical experts to develop a new Stormwater Management Framework.	Facilitator	<p>Council adopted the Stormwater Management Framework (SMF) vision, values, and outcomes on 28 July 2022. Council sought submissions from the community before it was adopted by Council.</p> <p>Council is now:</p> <ul style="list-style-type: none"> working with our iwi partners and technical experts to develop a Schedule N Stormwater Management Strategy as a requirement of the GWRC proposed Natural Resources Plan applying to GWRC for a Global Stormwater Discharge Consent. Council will be asking that this application be publicly notified to ensure the public is able to engage with this process as the application seeks to set our community stormwater discharge quality requirements for the next 35 years. <p>More information on the SMF can be found here.</p>	Underway
We are updating our flood hazard models, and these will include the most recent climate change predictions and rising groundwater levels.	Facilitator	This work is progressing well and is due for completion in June 2024.	Underway
The Takutai Kāpiti project team and technical advisory group, alongside the Coastal Advisory Panel (made up of iwi, community, and key stakeholders) will develop coastal adaptation recommendations. to guide how we build our sustainability and resilience to rising sea levels and coastal erosion.	Facilitator	The Coastal Advisory Panel is working their draft adaptation pathways for the district. CAP have determined their draft pathway recommendations for the Northern Adaptation Area (Otaki, Te Horo and Peka Peka) and presented these draft recommendations to the community in July 2023 for feedback. Throughout 2023 CAP have hosted, with the support of Council officers, three community values workshops for the Central (Waikanae, Otaihanga and Paraparaumu), Raumati and Paekākāriki Adaptation Areas. CAP will be hosting further feedback sessions for the Central, Raumati and Paekākāriki Adaptation Areas in early 2024, followed by a district-wide final engagement session in April 2024. The deadline for the CAP recommendation report to Council is late May 2024.	Underway

Coastal hazard assessment(s)	Facilitator	Coastal hazard risk assessments, determining what is projected to be at risk if adaptation is not undertaken, are currently in progress.	Complete
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Table 5: Supporting community transition

Action	Role	Comment	Status
<i>Individuals and communities</i>			
Supporting climate action - Climate Action Grants	Funder	The Climate Action Grants were developed in 2023, allocating \$100,000 of central government funding towards community and business projects across active transport, food waste collection, nature restoration, community circular economy initiatives, local biochar projects, and more. Full list of 2023 recipients: Climate action grants - Kāpiti Coast District Council (kapiticoast.govt.nz) Another \$100,000 will be available to support similar projects in 2024.	Complete
We provide an extensive waste minimisation education programme.	Educator	See Table 2 for this update as waste minimisation is also important for emissions reduction.	Ongoing
We are working with the Wairarapa councils to provide a Healthy Homes Kit through our local libraries.	Educator	Developing the Healthy Homes kit included approval by the Accessibility Advisory Committee. We now have 9 kits available through our libraries, with high uptake and great feedback through 2023.	Ongoing
We promote climate change sustainability and resilience to Council staff and are now starting a wider public campaign	Educator	The new Sustainability Advisor Communities conducted a staff travel and climate survey in the first half of 2023. Follow up initiatives have included the development of education/ induction resources for staff, including a “Climate 101” workshop series, establishing an internal car-pooling platform, and more. We are working on a range of climate education initiatives and resources to offer to the public in 2024, including aligning/ working with other education campaigns and providers in the region.	Ongoing
Our annual No 8 Wire programme offers free and affordable events to encourage community resilience, DIY resourcefulness and environmental responsibility through fun, hands-on events and workshops.	Educator	Council’s No 8 Wire programme is spread throughout each year. Recently, Council supported the community-led Raumati South and Ōtaki Repair Cafes. Waikanae Walk-in-Wardrobe (second hand clothing fair) has been held periodically during 2023 and will continue in 2024.	Underway / Planned

We support Neighbours Day, an annual event designed to strengthen our communities and make them healthier, safer, and more resilient.	Facilitator	Neighbours Day is held in March every year. The Connected Communities Team is currently preparing for the March 2024 Neighbours Day events.	Planned
To design programmes that meet the needs of our communities, we regularly meet with a range of advisory groups (for example, the Youth Council, Older Persons' Council and Accessibility Advisory Committee).	Facilitator	Most recently, the Accessibility Advisory Committee provided input into the development of the Home Health Kits and the Youth Council has provided feedback on climate change priorities for young people. Council supported this years Enviro Youth Summit, and Council staff ran workshops on climate education and waste minimisation.	Ongoing
We offer a range of grants to support initiatives aimed at building local community and not-for-profit social service agencies.	Funder	Nine Kāpiti initiatives were selected as recipients of the 2022-25 Social Investment Fund, aimed at building safe and connected Kāpiti communities and lifting social sector capability.	Ongoing
		Council provided funding to expand the provision of Enviroschools in Kāpiti. Enviroschools supports environmental education within schools and learning centres across the country. Council will look at options to further fund environmental education for local schools in 2024 (this may be through Enviroschools and/ or other providers)	Ongoing
Educating people in our district about emissions reductions and the projected impacts of climate change.	Educator	Climate change is a high priority issue given considerable profile by our communications team. Council uses a range of channels (e.g., media releases, local newspapers and radio, Everything Kapiti newsletter, social media, Antenno, our website) to communicate information about climate change issues.	Ongoing
Understanding changes to our coastlines through citizen science	Facilitator/ Educator	In 2023 funding was approved to install CoastSnap stations along the Kāpiti Coast. These create a "citizen science" approach to recording changes to our coastal environments, and also provide education opportunities. 3 sites are proposed to be installed initially, with scope for another 7 in 2024.	Planned
<i>Businesses</i>			
Educating businesses about emissions reductions and the projected impacts of climate change. Pakihi Toitū o Kāpiti, the Sustainable Business Network, is a local network and online	Facilitator / Educator	Pakihi Toitū o Kāpiti started in July 2022. Around 80 businesses have enrolled in the network to date, many of which have since drafted and published sustainability policies and plans. An online website supports the network. It includes: • Regular articles discussing sustainability issues and opportunities from	Ongoing

resource to support businesses on their sustainability journey.		a local business perspective <ul style="list-style-type: none"> • Case studies showcasing local businesses undertaking amazing work to decrease their footprints • Guidance and resources for businesses that are just starting their sustainability journey Opportunities to participate in sustainability related workshops	
Supporting climate action – Climate Action Grants	Funder	The 2023 funding round supported business and community projects across active transport, food waste collection, nature restoration, community circular economy initiatives, local biochar projects, and more. Full list of 2023 recipients: Climate action grants - Kāpiti Coast District Council (kapiticoast.govt.nz)	Ongoing
Reducing transport related emissions	Facilitator / Educator	In 2023 Council partnered with Love2Ride to promote the Aotearoa Bike Challenge within Kāpiti. Over 20 local businesses participated in 2023; work is underway planning for the Aotearoa Bike Challenge in Feb 2024.	Planned
Sustainable Economic Development	Facilitator / Educator	Council, in partnership with the Economic Development Kotahitanga Board and other key stakeholders, continues to look for opportunities to build the sustainable food and beverage sector.	Ongoing
<i>Mana whenua partners</i>			
Provide mana whenua with resources and infrastructure to enable and support emissions reductions, low-carbon living and climate change adaptation.	Facilitator	The Sustainability and Resilience team are looking to support mana whenua aspirations where opportunities present.	Ongoing
We partner with mana whenua to design and implement key projects.	Facilitator	There are a number of current projects with mana whenua involvement, including but not limited to: <ul style="list-style-type: none"> • The development of a new Stormwater Management Framework and the Schedule N Stormwater Management Strategy • The development and implementation of cultural monitoring frameworks to measure environmental quality • Providing advice on consenting conditions for water, wastewater, stormwater, solid waste activities, and special infrastructure projects. 	Ongoing

		<ul style="list-style-type: none"> • Council is looking for future opportunities to partner. 	
We offer marae maintenance and development grants, often used to undertake sustainability and resilience initiatives.	Funder	We look to support marae for emergency and resilience response.	Ongoing

Table 6: Submissions

Action	Role	Comment	Status
Submission on Natural and Built Environment Bill and Spatial Planning Bill – submission to Environment Committee (10 February 2023)	Advocate	Request for the committee to look at comprehensive consideration on how the resource management system will manage climate change and natural hazard risk. https://www.kapiticoast.govt.nz/media/ho3pbwas/submission-on-the-natural-and-built-environment-bill-and-the-spatial-planning-bill.pdf	Complete
Submission to MBIE on the Proposed Amendments to National Policy Statement for Renewable Electricity Generation and Electricity Submission (1 June 2023)	Advocate	https://www.kapiticoast.govt.nz/media/i5li5zuo/nps-reg-and-et-submission-k%C4%81piti-coast-district-council.pdf	Complete
Submission to Climate Change Commission on 2023 draft advice to inform the strategic direction of the government's second emissions reduction plan (20 June 2023)	Advocate	Submission to Climate Change Commission on 2023 draft advice to inform the strategic direction of the government's second emissions reduction plan	Complete
Submission to Department of Prime Minister and Cabinet on Strengthening the resilience of Aotearoa New Zealand's critical infrastructure system (8 August 2023)	Advocate	Submission to Department of Prime Minister and Cabinet on Strengthening the resilience of Aotearoa New Zealand's critical infrastructure system	Complete
Submission to MfE on the review of the New Zealand Emissions Trading Scheme and Permanent Forest Category (11 August 2023)	Advocate	https://www.kapiticoast.govt.nz/media/15ohs3yi/ets-and-pf-submission.pdf	Complete
Submission to Environment Select Committee on Inquiry into Climate Adaptation (1 November 2023)	Advocate	https://www.kapiticoast.govt.nz/media/g2ejkxxv/submission-to-environment-select-committee-on-climate-adaptation.pdf	Complete

Table 7: Supporting climate resilience and recovery

Action	Role	Comment	Status
Develop a Kāpiti Recovery Plan	Facilitator	Planning will commence in 2024/25 for the development of a districtwide recovery plan that will provide guidance following significant disruptive events. This is outside the emergency response function.	Planned
Purchase of 17 water tanks for community resilience.	Asset owner	A business case has been submitted for water tanks to be purchased and installed across the district for emergency response.	Planned

Table 8: Supporting the environment

Action	Role	Comment	Status
<i>Environmental protection</i>			
Our environmental monitoring programme (which includes a large cultural monitoring component designed with our iwi partners) measures environmental health and informs activity plans.	Asset owner	<p>We recently submitted a leachate management plan to GWRC for the old landfill site in Otaihanga, which includes a wetland restoration project. Part of the wetland restoration project may be achieved by capping the old-decommissioned-sludge-beds at the north and north-eastern corner of the site, using the excavated material from the Paraparaumu Wastewater Treatment Plant (WWTP) pond upgrade work.</p> <p>The investigation for the rise in phosphate in few monitoring bores at the Ōtaki WWTP is in progress.</p>	Ongoing
We have ongoing mitigation plans guiding the delivery of the River Recharge Scheme until 2030.	Asset owner	Wetland condition monitoring will need carried out in Feb/March as part of ongoing monitoring.	Ongoing
We are currently renewing some of our water supply consents, such as the one for water abstraction.	Asset owner	The resource consent application for the bores and operational discharge is combined and has been submitted to GWRC. This application is on hold pending mana whenua and landowner approvals (WGN240089). The Otaki water supply consent application is in draft and has not yet been submitted. A Cultural	Underway

		Impact Assessment (CIA) will be provided by Nga Hapu o Otaki for these activities. Pending.	
We are renewing our discharge consents for the Paraparaumu Wastewater Treatment Plant as they expired in March 2022. The application is accompanied by an assessment of environmental effects and improvement plans.	Asset owner	The resource consent application was submitted to GWRC in December 2021 for a 15-year consent. GWRC had 105 queries on the consent (under s92), and we have now responded to 104 of the queries. Council is currently working with NIWA on the question(s) by GWRC / ESR for QMRA (quantitative microbiological assessment). The 15-year consent is exploring a BPO (best practical option) sustainable solution for the Paraparaumu WWTP, in partnership with mana whenua.	Underway
The new 20-year resource consent for the Ōtaki Wastewater Treatment Plant was issued by GWRC in October 2016. In accordance with the consent, we worked with iwi to prepare and implement an environmental protection and restoration plan.	Asset owner	To meet iwi aspirations, the first stage of manuka tree planting along the downstream of the Land Disposal Treatment Area (LDTA) areas has been completed. More manuka trees have been planted in July-Aug 2023 (being the ideal time for planting) as some of the previously planted ones did not survive.	Underway
Participate in the development of Integrated Catchment Management Plans through Greater Wellington Regional Council's Whaitua process.	Facilitator	Councillor Jocelyn Prvanov is the Council representative to the Whaitua Kāpiti Committee. The Committee has been established and is in the initial stages.	Underway
The 2019 Trade Waste Bylaw is the main instrument to manage commercial and industrial wastewater discharges to minimise risks to humans and the environment.	Regulator	No further comment.	Ongoing
Battery recycling trial	Facilitator	The battery recycling trial at Paraparaumu Library is being extended to Otaki library	Planned
<i>Environmental restoration</i>			
Our Parks and Open Spaces team has an extensive programme working with Greater Wellington Regional Council and volunteer groups to carry out planting across the district.	Asset owner	Approximately 20,500 native plants were planted by Council staff and volunteers in the last six months. Additional planting takes place with most of our stormwater projects as it is usually required as part of the resource consents.	Complete

The Parks and Open Spaces team delivers a range of educational programmes to promote biodiversity, environmental protection, and environmental restoration in the district.	Educator	Council provides ongoing labour and technical support for ~30 community conservation groups.	Ongoing
The Parks and Open Spaces team works with Greater Wellington Regional Council to support pest control in the district.	Asset owner	GWRC is contracted to provide animal pest and ecological weed control services throughout Council owned Key Native Ecosystem sites. We also contract GWRC for additional rabbit control through the other parks and reserves that are not covered by this programme.	Ongoing
There are a range of planting projects in the Three Waters activities. These projects benefit carbon sequestration and environmental restoration.	Asset owner	<p>In addition to the tree planting at the Waikanae Dam (as discussed in Table 1), Council is undertaking pest and weed control on 18 hectares of recently harvested pine trees at the site where there is now strong native plant regrowth.</p> <p>Council is also undertaking pest and weed control at the 8 hectares of recently harvested pine and gum trees at the Waikanae WTP, where there is also strong native plant regrowth.</p> <p>To meet iwi aspirations, some manuka planting has already occurred downstream of the Ōtaki WWTP's Land Disposal Treatment Area (LDTA), and more is planned for later this year.</p> <p>Additional riparian planting is scheduled, pending guidance and approval from mana whenua partners.</p>	Ongoing
Material use for ecological restoration plantings are sustainable	Asset owner	Use of cardboard surrounds and wool/coconut weed suppressors are being used along with cardboard stakes (except in areas where this is unfeasible). This reduces the need to come back to site as well as reduces plastic in the environment.	Ongoing