

Update on Carbon Reduction and Resilience Plan (CRRP) 2021-31 actions

A copy of the [CRRP is available on Hutt City Council's website](#). There are a total of 21 actions.

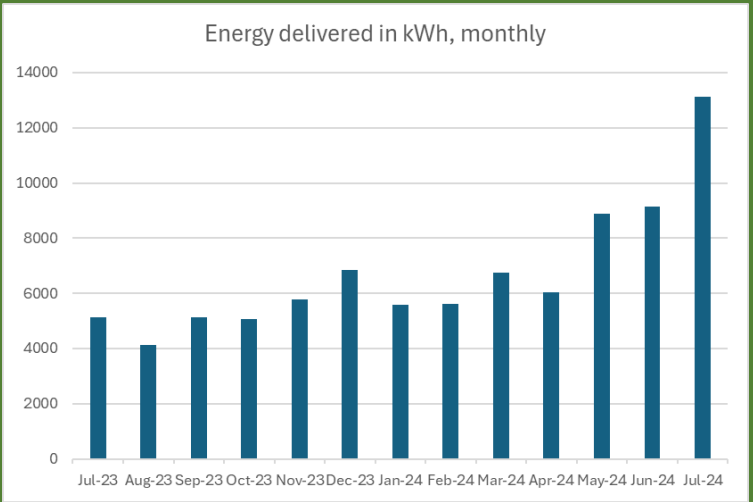
Note that there are additional actions that Council is implementing that are not reflected in the original document. Where relevant, they have been included in the below table under the relevant category.

Ref	Action	Status (as at 25 August 2023)	Status (as at 20 August 2024)
Council leadership			
1 (p20)	Co-designing Lower Hutt's climate action pathway	Completed. Following a co-design process between 2019 and 2022, the Lower Hutt Climate Action Pathway was launched in early 2022. Please refer to the separate commentary on the implementation of the Pathway.	Completed.
2 (p20)	Measuring procurement-related carbon reductions (by 2025)	Under way: More than 50% of contracts with a cost of \$250,000 or more per year reported their emissions for the 2021/22 financial year (refer p20 of the HCC Greenhouse Gas Inventory for 2021/22). However, further work is required to ensure that this occurs for all key Council contracts. Work to develop the 2022/23 greenhouse gas inventory will likely commence in September 2023.	Under way. As part of the Greenhouse Gas Inventory for 2022/2023 (page 23), it was reported that more than 50% of contracts with a cost of \$250,000 disclosed their emissions. However, a recent review of significant contracts identified that some contracts over \$250k were missed due to various reasons (eg some suppliers have multiple contracts), so the above figure should be used as an indicator only. Additional work is scheduled as part of preparing the annual greenhouse gas inventory for 2023/24 to ensure the next report captures all contracts over \$250k in value, with a focus on operational contracts in the first instance. Work continues on requesting emission data for all key Council contracts, regardless of whether this is an existing contractual requirement or not.
c3 (p21)	Embedding carbon reductions through procurement	Under way: Progress has been made with some key contracts, including the kerbside collection contract (Waste Management NZ, all trucks to be electric by 2024) and the landfill operations contract (Waste Management NZ, operational emissions to reduce by at least 25% by 2030). However, significantly more effort is required and is now focused on embedding carbon reductions in	Under way: In April 2024, a review of significant contracts identified 27 operational contracts over \$250k in annual value. Of these, only 3 have reduction requirements built into the contract (11%). However, a number of suppliers do have organisational emissions reduction targets and/or tangible actions they are undertaking (14 contracts; 51%). Hence, about 62% of contracts over \$250k are with suppliers

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		all major contracts in the next 2-3 years, in order to halve emissions by 2030.	<p>that either have contractual reduction requirements or have organisational targets and/or initiatives to do so. Note that some suppliers have multiple contracts with HCC within that scope.</p> <p>Over the last year, Council's procurement function was also strengthened, and this will provide a useful basis for reflecting emission reduction requirements in any future procurements.</p> <p>Officers are looking to work with a consultant to help facilitate further change in this space going forward.</p>
4 (p21)	Incorporating sustainability into the rebuild of Naenae Pool	Under way: Good progress has been made towards certification of the facility as Green Star rating 5+. This involves achieving objectives against a range of criteria. For example, 80% of the waste emanating from the demolition phase has been recycled and the energy usage intensity is estimated to reduce by 53% and carbon emissions by 56% as a result of the shift from fossil gas to 100% electricity, compared to the old facility.	Under way: The construction of Naenae Pool is nearing completion and will be open later in 2024. The facility is on track to become New Zealand's first GreenStar 5 rated aquatic centre.
5 (p22)	Incorporating sustainability into the RiverLink project	Under way: The objectives of the Riverlink project are to re-orient the city to face and connect with the river and respond to climate change by providing resilient multi-modal transport choices, improving flood protection, and supporting urban regeneration and economic development. The project is required to implement and deliver an Infrastructure Sustainability rating of "Gold" (version 2.1) for both the detailed design and construction stages. A baseline carbon budget is in development and will be used to track carbon performance as the project progresses.	Under way: The objectives of Te Wai Takamori o Te Awa Kairangi (formerly Riverlink) are to re-orient the city to face and connect with the river and respond to climate change by providing resilient multi-modal transport choices, improving flood protection, and supporting urban regeneration and economic development. The Project has adopted robust sustainability objectives and targets across Social and Economic Value, Community Outcomes and Placemaking, River Health, Climate Change Resilience, and Resource Efficiency and Management which will be worked through in detail over the course of the next phase of the Project.
6 (p22)	Optimising refrigerant use	Limited progress: Heating plant changes involve utilising proven technology with refrigerants that have the lowest possible Global Warming Potential. However, a formal policy and procurement approach have not yet been developed.	No progress: no change to the previous report.

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7 (p23)	Optimising office space	Completed. In July 2023, Council moved out of its Market Grove site, consolidating most staff at its Laings Road site. The work environment is now largely activity-based, and with many staff at Laings Road now working in a hybrid model (eg sharing desks when at work, working from home when that is more suitable, etc).	Completed.
8 (p23)	Educating staff on climate change	Limited progress: Due to competing work priorities, no formal work programme has been implemented yet, although ad hoc opportunities are realised from time to time (eg promotion of David Lowe's briefing on climate science to Council staff, Climate and Waste team advising other teams on sustainability matters). In September 2023, work is scheduled to commence to improve engagement with our staff regarding climate change and sustainability, by asking for tips on living more sustainably, which can then be embedded across internal communication channels.	Under way: A city-wide climate action marketing campaign commenced on 12 August 2024, and this will be promoted internally also. In addition, ad hoc opportunities are realised from time to time (eg Boomerang shelves have been set up in the main office building; some how-to videos are currently being produced to encourage staff regarding reuse, cycling, and public transport use, how to use EVs). Educational sustainability content is also to be distributed via the CEO's pānui.
Transport			
9 (p25)	Changing to 100 percent electric vehicles by 2030	Under way: Council's vehicle fleet has seen significant change over the last four years and vehicle fleet emissions have reduced significantly (eg refer p14 of the HCC Greenhouse Gas Inventory for 2021/22). The fleet is now 61% electric (40 out of 65 vehicles). While it should be possible to achieve about 65% to 70% by June 2024, a key constraint for further electrification is the continued lack of EVs with 4WD capability, and the provision of sufficient EV charging for fleet vehicles at our sites.	Under way: The fleet is now 69% electric. It is likely that the electrification share will reach about 75% by the end of 2024/25, subject to the roll-out of 4WD electric utes.
10 (p25)	Decarbonising other travel options by 2023	Completed: Flight emissions have significantly reduced (refer p22 of the HCC Greenhouse Gas Inventory for 2021/22). While some of this is due to the effects of COVID-19, teleconference meetings instead of physical meetings now appear to be accepted as the new business as usual within the organisation. In addition, all flights are now offset by surrendering emission carbon credits (albeit not at the time of booking, but once the annual carbon footprint has been completed). Over the last couple of years,	Completed. Flight emissions continue to be offset, and there continue to be a range of micro-mobility options and Snapper cards to supplement staff travel requirements.

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		Council has also introduced additional electric bikes, scooters and Snapper cards to reduce the need for vehicles for short-trips.	
11 (p26)	Developing Lower Hutt's walking and cycling network	<p>Underway: This action comprises a range of projects and activities, with good progress being made.</p> <p>Beltway Cycleway: The northern and central sections of the have been completed.</p> <p>Avalon and Taita cycleways: Community consultation is underway and runs through to 1 September. Construction is scheduled to take place in the first half of 2024, with works to be completed by 30 June 2024.</p> <p>Maru Streets for People (Wainuiomata): Construction is expected to start November 2023 with completion early in 2024.</p> <p>Tupua Horo Nuku (Eastern Bays Shared Path): Construction on sections of the project is under way.</p> <p>Te Ara Tupua: Work commenced on the construction of the first coastal sections of the project, moving north from Ngā Ūranga and south from Pito-One.</p>	<p>Underway: This action comprises a range of projects and activities, with good progress being made.</p> <p>Avalon and Taita Cycleways: Micromobility projects were paused in late 2023. With a change of government, funding has been cut. A micromobility paper was scheduled to be presented to the AP/LTP committee on 26 August 2024 to seek approval for Council to self-fund.</p> <p>Maru Streets for People (Wainuiomata): The project was completed in March 2024.</p> <p>Tupua Horo Nuku (Eastern Bays Shared Path): Construction is ongoing with completion expected mid-2026. As at 12 August 2024, work is underway in Sunshine Bay, York Bay and Whiorau/Lowry Bay. Finishing works are underway in Sunshine Bay. All deep foundations in York Bay are complete, and deep foundations in Whiorau Bay are underway.</p> <p>Te Ara Tupua: The project is nearing the halfway point. The Ngā Ūranga ki Pito-One section heading North toward Karanga Landing (in front of the BP petrol station) has now connected. 2,950 concrete blocks along the waterfront have now been placed and nearly 2 out of 6 vertical seawalls have been completed.</p>
He12 (p27)	Rolling out electric vehicle charging stations	Completed. The roll-out of 20 DC charging stations was completed, and the network was launched in June 2023.	Completed. Note that following some pricing changes in May 2024, the use of the charging stations has increased significantly, as shown below. Further promotion is under way.

Ref	Action	Status (as at 25 August 2023)	Status (as at 20 August 2024)																												
			 <table border="1"> <caption>Energy delivered in kWh, monthly</caption> <thead> <tr> <th>Month</th> <th>Energy delivered (kWh)</th> </tr> </thead> <tbody> <tr><td>Jul-23</td><td>5000</td></tr> <tr><td>Aug-23</td><td>4000</td></tr> <tr><td>Sep-23</td><td>5000</td></tr> <tr><td>Oct-23</td><td>5000</td></tr> <tr><td>Nov-23</td><td>5800</td></tr> <tr><td>Dec-23</td><td>6800</td></tr> <tr><td>Jan-24</td><td>5500</td></tr> <tr><td>Feb-24</td><td>5500</td></tr> <tr><td>Mar-24</td><td>6800</td></tr> <tr><td>Apr-24</td><td>6000</td></tr> <tr><td>May-24</td><td>8800</td></tr> <tr><td>Jun-24</td><td>9000</td></tr> <tr><td>Jul-24</td><td>13000</td></tr> </tbody> </table>	Month	Energy delivered (kWh)	Jul-23	5000	Aug-23	4000	Sep-23	5000	Oct-23	5000	Nov-23	5800	Dec-23	6800	Jan-24	5500	Feb-24	5500	Mar-24	6800	Apr-24	6000	May-24	8800	Jun-24	9000	Jul-24	13000
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13 (p30)	Phasing out natural gas at council facilities	Under way: The Naenae Pool has been designed to operate using electricity for heating, and construction is under way. The heating change for the Eastbourne summer pool, and one plant change at the new Huia pool has been completed. The heating change for McKenzie is almost completed, and heat pump will be operational before the next summer season. For the Dowse Museum, the heating plant change is scheduled to be completed in 2024. A change to heat pumps (hydronic / water-based system) has also been proposed and designed for the War Memorial Library, but the exact timing of the change is yet to be confirmed.	<p>Under way: The Naenae Pool has been designed to operate using electricity for heating, and the pool will open later in 2024. The heating change for McKenzie was completed and was operational for the 23/24 summer season.</p> <p>With regard to future works, the heating plant changes at the Dowse Museum are tentatively scheduled for early 2025. The timing of the change at the War Memorial Library is still unclear.</p> <p>Note that the heating plant change at the Huia aquatic facility is scheduled to commence at the time that Naenae opens.</p>																												
14 (p30)	Upgrading to 100 percent LED street lighting by 2022.	Delayed: Due to a number of factors, as previously reported via the Climate and Sustainability Committee (eg changes to the NZTA's funding model, contractor constraints, etc), it has not been possible to complete this project on time. The LED share of street lighting sits at about 80%. A business case for additional funding is	Changed: A case to upgrade remaining sodium lights was included in the NLTP. Under the new Government Policy Statement this action item is ranked low, so will not receive funding. Remaining sodium lights will be replaced with LEDs when they fail as part of regular																												

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		to be considered as part of the process to develop the next Long Term Plan 2024-34.	maintenance activities. However, this means that 100% LED street lighting will not be achieved for a number of years.
Waste			
15 (p33)	Establishing a new resource recovery park	Under way: Over the last three years various no-regrets works have been undertaken to improve the level of service at Silverstream transfer station. This includes a new roundabout, changes to the load-out direction for waste, the introduction of paying by weight for all users, an upgraded hazardous waste and green waste drop-off, improved signage utilising gate numbers, and a new discount voucher scheme. The completion of a new covered drop-off for Earthlink is imminent. Additional diversion opportunities for self-sorted construction and demolition waste are due to be in place by the end of 2023. Note that decisions on further upgrades to the Silverstream transfer station are dependent on the potential construction of a new state-of-the-art resource recovery park by WMNZ. WMNZ has submitted a consent application, with decisions potentially due by the end of 2023.	Under way: A new covered drop-off for Earthlink was completed, and work was carried out to improve the effectiveness of the discount voucher scheme. This includes a pivot toward a more active engagement model by Earthlink and WMNZ staff at the site, and promotional activities. The implementation of diversion opportunities for self-sorted construction and demolition waste has not been progressed. The lack of markets for collected materials (eg treated timber) and the cost of transport to processing sites were identified as a key challenge. However, officers are continuing to work on options for more diversion. Note that WMNZ had submitted a consent application (RM230019) on the potential construction of a new state-of-the-art resource recovery park at Manor Park , but the consent is still being assessed and decisions have not yet been made.
16 (p33)	Investigating methane destruction via flare burn-off for the closed landfill in Wainuiomata	Completed. A trial of a flare to destroy remaining methane emissions at the closed Wainuiomata landfill was undertaken in late 2022. Unfortunately, it was found that the practicality of operating a flare would likely be marginal. As a result, further work on flaring gas was stopped (refer report no. CCASC2023/1/49 from February 2023, page 25). However, note that work continues on other remediation options for the closed landfill site.	Completed. Note that work continues on other remediation options for the closed landfill site.
Land			
17 (p36)	Accelerating reforestation of	No progress: Greater Wellington Regional Council's (GW) parks network plan aims for the reforestation of Belmont Park (most is currently in grazing land), and as GW is managing Belmont Park	Changed: GWRC has significant planting efforts under way in Belmont Park, in line with its Parks Network Plan.

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	Belmont Regional Park	(even though some land is owned by HCC), HCC is not directly involved in the park's revegetation. GWRC has significant planting efforts under way in Belmont Park. However, over the last couple of years, HCC's Climate and Waste team has been coordinating with GW to identify opportunities for <u>accelerating</u> reforestation beyond GW's current plans, but none have been identified yet.	<p>While HCC's Climate and Waste team has been coordinating with GW to identify opportunities for <u>accelerating</u> reforestation beyond GW's current plans, this does not appear feasible as planting is already occurring as quickly as possible.</p> <p>However, GW has confirmed that some of the land has been naturally retired, and no planting will take place on that land. In light of Council's Low Carbon Acceleration Fund, funding could be made available to community groups in future funding rounds to help facilitate additional planting on land not targeted for reforestation.</p>
18 (p36)	Improving the quality of forests on other reserve land	<p>Under way: Over the last year, a key focus has been to draft and consult on a new Indigenous Biodiversity Strategy. The final Strategy will be finalised by the end of 2023. In order to achieve a step change, additional funds and resources are required, which would need to be considered as part of the process to develop the next Long Term Plan.</p> <p>With regard to existing revegetation efforts, some have taken place over the last couple of years using existing funds. During the 2022 and 2023 winters, approximately 12,000 plants were planted, predominantly in reserves and coastal dunes. There has also been work to remediate the closed Wainuiomata cleanfill (including a final planting push with 10,000 plants during 2022/23), which may be able to be registered under the ETS once forest has established on the site.</p> <p>With regard to pest plant and animal control on Council's reserves estate, this is overseen by Council. Work is undertaken by GW, contractors, volunteers and landowners. Some control work is directed at private property. Note that in April 2022 operational funding for the pest plant control programme ceased, but Council agreed to restore this funding, which became available 1 July 2023. The Parks and Reserves team is working with contractors and other agencies to rearrange control programmes so that they</p>	<p>Under way: Now that the Indigenous Biodiversity Strategy has been finalised, two key initiatives have been undertaken</p> <ul style="list-style-type: none"> • Mouri Tupu is driven by Mayor Campbell, with the objective of having 114,000 native trees and shrubs planted by October 2025. 60,000 have been planted to the current juncture with a further 50,000 planned for 2025. • HCC continue to support GWRC with the funding of the Key Native Environment (KNE) programme, which is a programme to protect indigenous species. HCC have also been working on a system to collect information in areas around these sites to support this work. <p>A community ranger will join the team later in the year; the ranger role will be a key to enabling the community to undertake biodiversity in their local community and connect to Mana Whenua.</p>

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		are more strategic and data driven. Further to this, in 2022 Council, supported by Greater Wellington, increased feral deer control efforts on HCC land from one cull per year to two.	
19 (p37)	Setting up a carbon reduction acceleration fund	Under way: In March 2023, Council agreed to the establishment of a Low Carbon Acceleration Fund (<u>refer report no. CCASC2023/1/47 from February 2023, page 9</u>). Current work is focused on operationalising the Fund, and the first funding round is scheduled to open at the end of 2023.	Completed (but ongoing). The first round of the <u>Low Carbon Acceleration Fund</u> was completed in mid-2024, and five organisations received funding as a result of the first round. The next round is currently scheduled for early 2025.
Climate resilience			
20 (p39)	Upgrading the Three Waters infrastructure	Under way: This is one of Wellington Water's strategic priorities confirmed by shareholder councils in its Statement of Intent. This includes reducing carbon emissions and adapting to the impacts of climate change. Over the past 18 months, Wellington Water has replaced the Barber Grove to Seaview Treatment Plant main collecting sewer to improve resilience. However, significant challenges remain, including to catch up on maintenance and renewal requirements.	Under way: WWL delivered 15.3km of pipe renewal for the 2023/24 financial year, which was very close to the target set at the beginning of the year. For the next three years the emphasis will be on renewing much of the Seaview WWTP including replacing the dryer with a more carbon friendly energy source, which will reduce carbon emissions significantly. Significant challenges remain, including to catch up on maintenance and renewal requirements, despite the additional funding committed as part of the new LTP.
21 (p40)	Building RiverLink project	Under way: Our Alliance delivery partners, AECOM-Fletcher, were selected in March 2023. The team are working on designs, project planning, programming and costing in order to set a programme and target cost for the implementation phase of the project. This phase will be complete in December 2023, main construction will commence in 2024, and the project is scheduled to be complete in 2027.	Under way: HCC and our Te Wai Takamori o Te Awa Kairangi partners made changes to the programme delivery model in March 2024 to enable some aspects of the programme to be delivered directly by local councils using inhouse expertise. The partners are working to complete the Interim Project Alliance Agreement by December 2024 to enable construction of the Melling Transport Improvements to commence under the Project Alliance Agreement in 2025. Meanwhile, Greater Wellington began stop bank works at Mills Street in February 2024, and are expected to complete them by October 2024 before moving onto other river works as part of the flood protection aspects of the programme.

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			HCC has begun construction of the new Avalon skatepark, due to be open in summer 2024/2025 to enable the Melling Skatepark to be removed to make way for the Melling Transport Improvements. Hutt City is also scheduled to begin work on streetscaping and local intersections in early 2025.

New initiatives that have commenced

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NEW	Heavy Electric Vehicle Charging Hub at Silverstream landfill	Not applicable	Under way: This initiative will involve the construction of a charging hub with 'fast' DC charging stations, to enable the electrification of heavy machinery at Silverstream landfill (eg loader, trucks). The design for the site has been finalised, and current work focuses on the establishment of a new power connection, and awaiting the deliver of a 1MW transformer, in order to power the site. At this stage, the site is scheduled to be operational in early 2025.
NEW	Silverstream old borrow area remediation	Not applicable	Under way: Work is under way to remediate old borrow areas at Silverstream landfill. Borrow areas used to extract soil for constructing the landfill, and to access the material, forest / plant cover has to be removed. Once the sites' materials have been exhausted, they were left as is in the past. Going forward, they will be remediated, which includes replanting with forest species. While the sites are not eligible for registration under the ETS, the growth of forest will still result in carbon re-sequestration (and biodiversity) benefits.