

## Update on Climate Action Pathway actions

A copy of the [Climate Action Pathway](#) is available on Hutt City Council's website. There are a total of 95 actions. (Note that the status update reported in 2023 had missed two actions, they have been included in the below table.)

Ref	Action	Lead or project partners	Status (as at 25 August 2023)	Status (as at 20 August 2024)
<b>TRANSPORT: More walking and cycling (13 actions)</b>				
p70	Beltway cycleway	HCC, Waka Kotahi	Under way: The northern and central sections of the cycle way have been completed.	Under way: There has been no change to this action, the northern and central sections of the cycle way have been completed, no further update is available on the remaining sections to complete the cycle way.
p70	Cycling and micro-mobility programme	HCC	Under way: 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. Maru Streets for People (Wainuiomata) - Construction is expected to start November 2023 with completion early in 2024.	Under way:  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.  Maru Streets for People (Wainuiomata): The project was completed in March 2024.
P69	Pilot project in Wainuiomata on living better locally	HCC, govt agencies, Healthy Families HV, community	Not reported on.	<b>Completed.</b> In late 2022, the "Maru Streets for People" project designated a central Wainuiomata area to be made safer, more inviting and accessible for active transport modes, and with more attractive public spaces. Pilot work was completed in 2023, a more-long lasting design has now been rolled out, and community input has been sought again in case further changes are required.
p70	Te Ara Tupua	HCC, Waka Kotahi, GWRC, WCC	Under way: Work commenced on the construction of the first coastal sections of the project, moving north from Ngā Ūranga and south from Pito-One.	Under way: 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.
p70	Tupua Horo Nuku Eastern Bays Shared Path	HCC, Waka Kotahi, Central Government	Under way: Construction on sections of the project is under way.	Under way: 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

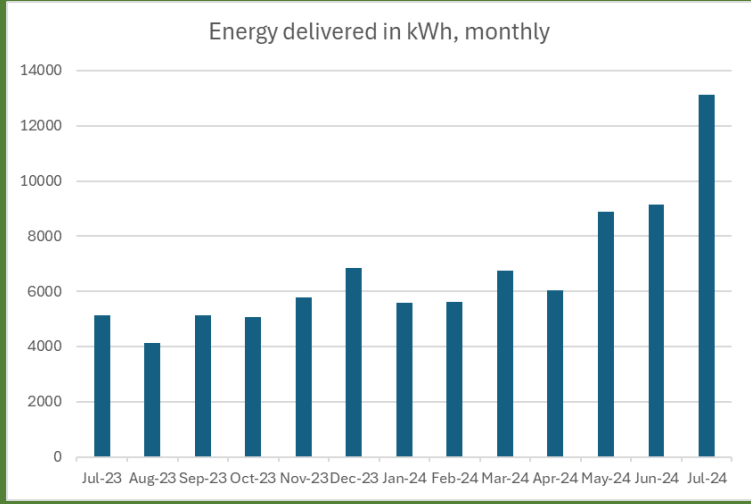
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				Sunshine Bay. All deep foundations in York Bay are complete, and deep foundations in Whiorau Bay are underway.
p70	RiverLink	HCC, GWRC, Waka Kotahi	Under way: The Alliance delivery partners, AECOM-Fletcher, were selected in March 2023. The team is 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 completed in December 2023, main construction will commence in 2024, and the project is scheduled to be completed in 2027.	<p>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.</p> <p>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.</p> <p>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.</p>
p70	Biketec (ongoing)	HCC, Biketec	Under way: HCC continues to fund Biketec, which involves them fixing up bikes at schools used by students for trainings or leisure rides. HCC also supports the Pedal Ready Programme (see below action by GWRC) and Biketec ensures the bikes are fully functional for it.	Under way and continuing: Biketec is working on new possible business models to help keep bike repair going.
p70	Pedal Ready (ongoing)	GWRC, HCC	Under way: The Pedal Ready <a href="#">programme is run by GWRC</a> , and provides free cycle skills training for children and adults in the Wellington region.	Under way: The Pedal Ready <a href="#">programme is run by GWRC</a> , and provides free cycle skills training for children and adults in the Wellington region. There is evidence that 80% who learn when young carry on with cycling through their life.
p71	Free Ride	HCC, Healthy Families	Under way: HCC is continuing to support this local initiative in Naenae to deliver Bike Rescue and Community workshops. Free Ride was the Winner of the Hutt Valley Sports Award 2023 for Environment and Sustainability.	Under way: This programme has provided approximately 450 free bicycles to Naenae residents over the last 4 years, and continues to provide a regular range of other services and events, including a free workshop at the Remakery.

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				Free Ride continues to grow, it enrolled 228 members last year, gave away 107 bikes, and fixed 227 bikes. It conducted 64 workshop sessions, and involves 14 volunteers.
p71	ReCycled Rides	Common Unity	Changed: A relationship has recently formed between Common Unity and Free Ride. Free Ride provides a monthly free fix up at the Remakery, utilising Common Unity volunteers and workshop space. See also the action on "Free Ride" above.	Changed, now absorbed into the "Free Ride" activity noted above.
p71	Locky Docks	Big Street Bikers	Under way: There are currently <a href="#">two Locky Docks in Lower Hutt</a> .  Note that Hutt City Council won Big Street Bikers' Breakthrough Biking City of the Year for 2022, at last year's annual Local Government NZ conference.	Under way: Big Street Bikers are currently working to identify more sites for Locky Docks than the two already in place.
p71	Two-wheeled public transport e-bike trial	Healthy Families, Kōkiri Marae, Big Street Bikers	Under way: This transport initiative, to provide free access to e-bikes for families to use, has now been running for 12 months. Note that the future of the scheme, beyond November 2023 is still unclear.	Under way but at risk: The HIKO E-Bike trial is continuing, however is currently seeking funding support to cover some essential costs such as insurance.
p69 and P71	Innovative wayfinding	Transport	Some progress: There is work under way at HCC regarding wayfinding guidelines; final guidelines are on track to be presented to the Traffic Subcommittee in November 2023 for approval.	Under way: The Micromobility Wayfinding Guidelines were completed in November 2023 and presented to the Infrastructure and Regulatory Committee ( <a href="#">refer Report no: IARCC2023/5/359, page 109</a> ). The objective of the guidelines is to create a micromobility wayfinding system which helps To make journeys by bike, scooter, and other micromobility modes attractive, easy to plan and effortless from beginning to end.
p71	Annual Bike the Hutt Festival	Lead unclear	Changed: The Bike the Hutt Festival does no longer appear to be running. However, GWRC runs a free annual biking event along the Hutt River Trail. The last event took place on 5 March 2023.	Under way: The latest "Bike the Trail" event was run by GWRC and Upper Hutt City Council (UHCC) on 25 February 2024. UHCC is currently re-evaluating services, it is not yet known whether Bike The Trail will go ahead next year.
<b>TRANSPORT: Increasing use of public transport (9 actions)</b>				
p72	Rail improvements	Metlink	Under way: In April 2023 it <a href="#">was announced that a fleet of 18 new four-car trains will be procured</a> for Kāpiti and Wairarapa to replace the current ones and provide capacity for another 1.5 million trips. The hybrid electric trains are to replace the current fleet of trains from the 1970s, and upgrades will also	Under way: In March 2024, Transport Minister Simeon Brown announced the new government will continue to deliver the Lower North Island Rail Integrated Mobility (LNIRIM) project, to upgrade Wellington's rail network substations, and to replace rolling stock for the Wairarapa and Manawatu lines. This confirms targeted

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			be made to the network. Crown funding for the Lower North Island Rail Integrated Mobility ( <a href="#">LNIRIM</a> ) programme was confirmed in Budget '23. Procurement processes for the new rolling stock are underway to deliver the capacity and frequency improvements on the Wairarapa/Hutt Valley lines.	investment of more than \$2 billion over the next three years for public transport projects and services, as part of the draft Government Policy Statement (GPS) on Land Transport (2024).
p72	Bus priority (by 2023/24)	HCC	No progress: There are upgrades to intersections in the CBD planned as part of future works, ie Riverlink and connected projects. Options for improvements at intersections will be investigated once the network changes are better understood.	Limited progress: no significant change
p72	Integrated ticketing (by 2023)	Metlink	<b>Completed:</b> Electronic contactless ticketing via Snapper has now been fully deployed the Wellington public transport network, including rail. A new national ticketing solution is expected to be launched in Wellington in 2026.	<b>Completed.</b>
p72	Bike and Ride (ongoing)	Metlink	No progress: The capacity of bike parking spaces remains at 72 spaces at Waterloo station, and 32 spaces at Woburn station. However, there are plans to install new bike parking at Taita during 2023/24.	Limited progress: While bike racks have been added at Pomare and Naenae, no bike parking has been installed in Taita yet.
p72	Park and Ride (ongoing)	Metlink	No change: The capacity of Park and Ride spaces at Waterloo Station and Petone Station remain the same, at 779 and 448 spaces, respectively. There are plans for dedicated carpool spaces to encourage mode shift, line marking for this is due during 2023/24. However, note that expanding Park and Ride, instead of improving connectivity and public transport connections, can also further embed reliance on the private motor vehicle.	Little progress: There have been some minor car park changes in Petone, due to the cycle way work, a compensation car park was created.  However, note that expanding Park and Ride, instead of improving connectivity and public transport connections, can also further embed reliance on the private motor vehicle.
p72	Micromobility connections (ongoing)	HCC	Under way: This action is aligned with the "Cycling and micro-mobility programme" noted above. 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. Maru Streets for People (Wainuiomata) - Construction is expected to start November 2023 with completion early in 2024. There is also work under way regarding wayfinding guidelines; final guidelines are on track	Under way: This action is aligned with the "Cycling and micro-mobility programme" noted above.  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.

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			to be presented to the Traffic Subcommittee in November 2023 for approval.	Maru Streets for People (Wainuiomata): The project was completed in March 2024.  Wayfinding : Wayfinding between Tupua Horo Nuku and Te Ara Tupua installation is planned for late 2024
p72	Placemaking	HCC	Under way: Most of HCC's placemaking work is directed at micromobility and walkability, especially for school children. This includes targeted interventions such as addressing footpath condition, creating drop off points for parents near schools, improving road crossing safety around schools, updating laneways to provide colour and fun and interactive playable art installations to increase appeal to walkers, and increased seating options along walkable routes.	Under way and continuing. The focus of placemaking activities for financial year 2024/25 is the city centre to support businesses ahead of the works starting on RiverLink.
p73	Access to public transport hubs (by 2023/24)	Metlink, HCC	Underway: An ongoing programme of rail station infrastructure and way-finding improvements is lifting transport hub access quality across the Hutt Valley. Pedestrian bridges at Woburn station have been refurbished, and lighting was installed on the northern pedestrian bridge to improve access at all times. At Ava station, there is improved lighting near the bus stops. Metlink has also signed up to an Accessibility Charter, and part of that involves ensuring that there are fully accessible stations within in each larger community area – funding is still being sought for this and this will be a multi-year programme.	Under way: Subway upgrade completed at Epuni, Naenae, and Pomare. Taita is still underway.  For bus related upgrades, Bunny Street Terminus (Queensgate Interchange) improvements are completed. Enhance visibility for bus users at stops B & C and pedestrian access to the mall. Upgrades have been made to CCTV coverage and incorporate lighting and additional CCTV in the new shelter canopy design.  Accessibility improvements for Ava Station Bus Replacing Train (BRT) stop completed.
p73	On demand trials (by 2022)	Metlink	<b>Completed:</b> Metlink On Demand finished a successful 12-month trial in May 2022, having completed over 40,000 trips for the community. The trial was extended for another year, and the service was expanded from Tawa and Grenada North to include Porirua CBD. There is no information available yet on whether the service may become available in Lower Hutt in the future.	<b>Completed.</b> The <u>service continues</u> , on a 6 month extension from June 2024 albeit there are no current plans to expand this to other areas.
<b>TRANSPORT: Increasing electric vehicles (9 actions)</b>				

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p74	Building electric ferries (ongoing)	East by West	Under way: A first electric ferry was launched for service and there are further electrification plans.	No further progress. The Wellington Electric Boat Building Company has completed and publicised design work on Version 2. There has been a lot of interest shown but as yet no further orders.
p74	Electric passenger ferry	East by West	<b>Completed:</b> The first electric ferry in NZ was launched for service and operates in regular service.	<b>Completed.</b> The service continues operated by East byWest.
p74	Electric bus fleet (by 2030)	Metlink	Under way: 23% of buses across the Wellington region are now electric. Note that Metlink's target is to electrify all <u>core</u> bus routes by 2030. This will result in a <u>mostly</u> zero emissions fleet by 2030. The Eastbourne bus route is partly serviced by electric buses, but buses can only be charged in Kilbirnie making logistics still challenging. The 110 (Petone to Upper Hutt) bus is the next bus Metlink is looking to electrify in the Hutt area.	No progress: The electrification share of buses remains at about 23%. Future progress on electrifying buses in Lower Hutt is uncertain at this point in time. There are no plans at this stage to install charging infrastructure at the Eastbourne depot and a date cannot yet be provided for when electric buses will be seen on the busy route 110.
p74	(Electric) Hutt City Council's rubbish and recycling kerbside (by 2024)	HCC	Under way: Half of the trucks are already electric, full electrification is to be completed in 2024.	Delayed: In the context of delays to WMNZ's plans regarding their new facility at Manor Park (still in consent stage), which includes truck charging facilities, WMNZ have confirmed that they will not be able to complete electrification of the collection fleet by the end of this year. HCC is working with WMNZ to consider the potential for WMNZ to use HCC's planned Heavy Electric Vehicle Charging Hub at Silverstream landfill, once completed, as an interim measure. Completion of the hub is estimated by April 2025 at this point in time.
p74	Council's fleet is electric (by 2030)	HCC	Under way: Council's vehicle fleet has seen significant change over the last four years and vehicle fleet emissions have reduced significantly (eg <a href="#">refer p14 of the HCC Greenhouse Gas Inventory for 2021/22</a> ). The fleet is now 61% electric.	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.
p74	Electric business fleets (ongoing)	Business and private organisations	Under way: An increasing number of fleets have started introduction of EVs. While only about 2% of vehicles registered in Lower Hutt are now electric, EV market share for new light vehicles registered in the Wellington region (including Lower Hutt) is at about 20%. The Government's clean car discount scheme, together with other measures (eg Low Emission Vehicles Contestable Fund) and forces (eg high fuel prices), is driving demand for EVs. The roll out of EV charging stations by HCC will also increase EV confidence for businesses.	Under way but progress has slowed: Based on Wellington region data, an estimated 3% of vehicles in Lower Hutt are now electric. However, across New Zealand, in the context of major policy changes by the new Government (eg removal of the clean car discount scheme), the demand for EVs has plummeted since January 2024 (see <a href="#">the Ministry of Transport's weekly low emission vehicle report</a> ). While uptake of EVs continues to increase for now, this is at a significantly lower level than previously.

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p75	Businesses electric charging stations (ongoing)	Business and private organisations	Under way: <a href="#">There is an increasing number of public charging stations</a> in Lower Hutt, provided/operated by a range of businesses/providers.	<p>Under way. The number of charging stations, in particularly DC charging, continues to increase. There are 11 sites with DC charging stations, ranging from 25kW to 75kW. Over the next 3 months, one of the existing sites will be upgraded to provide charging up to 200kW, and an additional site will open with charging up to 150kW.</p> <p>For all an up to date view on the number and locations of public charging stations in Lower Hutt and across New Zealand, please go to <a href="#">EECA's Public EV Charger Dashboard</a>. To locate charger for powering your EV, please go to the relevant apps from station operators, such as <a href="https://zero.meridianenergy.co.nz/">https://zero.meridianenergy.co.nz/</a>, which operates Hutt City Council's stations.</p>																												
p75	Electric vehicle retailers	Business	Under way: There is an increasing number of locations to purchase EVs in Lower Hutt, from a variety of brands.	<b>Completed.</b> Most major new and used car dealers in Lower Hutt offer a range of EVs, and customers can also purchase online from across New Zealand. For a full overview of vehicles available, and how costs compares, please go to <a href="#">EECA's total cost of ownership calculator</a> .																												
p75	HCC electric charging stations	HCC	<b>Completed.</b> The roll-out of 20 DC charging stations was completed, and the network was launched in June 2023.	<p><b>Completed.</b> Note that following some pricing changes in May 2024, the use of HCC's charging stations has increased significantly, as shown below. Further promotion is under way.</p>  <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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<b>TRANSPORT: Reduce vehicle use (7 actions)</b>																																

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p76	Co-working spaces (ongoing)	Business and private organisations	Under way: There are a range of co-working spaces in Lower Hutt.	Under way: Additional co-working spaces that have established include "Love To Grow" and "Moco HV Co-Working. All are Pay for Use.
p76	Hutt City Libraries (ongoing)	HCC	Under way: Libraries offer a range of services, including public access to computers and free WIFI, for those who find cost is a barrier to accessing broadband.	Under way and continuing
p77	Car pooling	Business and private organisations	Under way: There are some private organisations that facilitate car-pooling (via apps), albeit the effectiveness of those services is unknown.	No change, the effectiveness of those services, and their uptake in Lower Hutt, is unknown.
p77	Car sharing	Business and private organisations	Delayed: Mevo has now grown their car share fleet to about 130 vehicles in Wellington. Mevo has had plans to extend their car share service to Lower Hutt for the last couple of years, but the launch has repeatedly been pushed back; it is currently planning for a launch before the end of 2023.	Delayed. A CityHop cargo van is available at Mega Mitre 10 in Petone, to facilitate self-organised transport of larger loads. The service available via <a href="#">CityHop Wellington</a> . There has been no progress from companies like Mevo to expand their existing regular Wellington-based car sharing operations to Lower Hutt.
p77	Reduce traffic speeds and volumes	HCC	Under way: HCC has developed <a href="#">a draft speed management plan</a> to make roads safer for all road users.	Delayed: The <a href="#">Speed Management Plan was approved</a> by Council and has been certified by NZTA. However, changes to the speed limit rule have been proposed by the Government, and we are awaiting confirmation on the next steps.
p77	Investigate parking management	HCC	Underway: In order to encourage people to re-think how and when they travel, and to support the objectives of the Integrated Transport Strategy, parking fees across the city have been increased from between \$0.70-\$1.50 per hour to \$2.00. The daily rate has also increased from \$4.00-\$7.00 to a flat rate of \$7.00 at all sites and the Riverbank carpark's monthly fee has risen from \$62.00 to \$100.00. A full review of the parking policy will be completed during 2023/24, and will be consulted on as part of the Long-Term Plan 2023-2034.	Underway: A Parking Strategy is under development, which includes considering climate change and the need for emission reductions. It will replace the current Parking Policy from 2017. The draft Parking Strategy will be available for public consultation in October 2024, and is scheduled for final adoption by Council in December 2024.
p77	Make the cost of cars more visible	Lead unclear	No progress. Note that this could partly be addressed through a climate change education campaign planned by Wellington City Council, and for which HCC has secured Better Off co-funding in order to support this education campaign in Lower Hutt. The launch of that campaign is scheduled for later in 2023.	Under way: This is now addressed via <a href="#">HCC's "Churr the Hutt" climate action campaign</a> , which launched on 12 August 2024. Originally the campaign was intended to build on a campaign developed by WCC. However, following WCC's decision to discontinue with their plans for a campaign, HCC decided to go ahead on its own, using funding secured from the Better Off scheme.

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P68	Climate change education	Open Polytechnic	Not reported on.	<p>No progress: No action has yet been taken on the idea, but the Polytech remains open to the possibility of developing a pilot module, or at helping develop more general information.</p> <p>Unless the Polytech takes the lead on this item, it is unlikely that HCC could support due competing priorities. Note that climate education is also addressed via HCC's "Churr the Hutt" climate action campaign, noted above.</p>
<b>ENERGY AND BUILDING (10 actions)</b>				
p78	Eco-design advice (ongoing)	HCC	Under way: This is an ongoing service, with more than 150 homes assessed each year, with renters/homeowners receiving free advice on how to make their home more efficient, warmer, drier and healthier.	Under way and continuing
p78	LED streetlights (by 2022)	HCC	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 of street lighting sits at about 80%. A business case for additional funding is to be considered as part of the process to develop the next Long Term Plan 2024-34.	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 maintenance activities. However, this means that 100% LED street lighting will not be achieved for a number of years.
p78	Kāinga Ora retrofit and build programmes in Lower Hutt	Kāinga Ora	Under way: Kāinga Ora has an extensive nationwide programme for new housing, and Lower Hutt is part of that, especially as there is a high concentration of Kāinga Ora properties in the valley. Kāinga Ora require a minimum of HomeStar 6 and also has a no-new-fossil-gas requirement (in line with Urban Plus' requirement). Note that the Coordinated Urban Renewal Programme helps guide and coordinate Kāinga Ora activity across the valley.	Under way and continuing. However, note that the independent review of Kainga Ora will likely change the remit and focus of the organisation. Council officers are liaising regularly with Kainga Ora to understand any changes in their work programme.
p78	Sustainability of new council buildings	HCC	Under way: Good progress has been made towards certification of the new Naenae aquatic 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.

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p79	Phasing out natural gas at Council facilities (by 2030)	HCC	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.	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.  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.  Note that the heating plant change at the Huia aquatic facility is scheduled to commence at the time that Naenae opens.
p79	Urban Plus (ongoing)	HCC, Urban Plus	Under way: Urban Plus can no longer install gas for cooking/heating/water in any of their new developments and new developments have to achieve a HomeStar rating of at least 6.	Under way and continuing
p79	District Plan Change	HCC	Under way: Plan Change 56 provides for renewable energy generation in Lower Hutt and was approved. The new Draft District Plan will also include a Renewable Energy Generation chapter.	Under way and continuing: The Draft District Plan did include a Renewable Energy Generation chapter. This chapter will also be included in the Proposed District Plan to be notified in February 2025.
p79	Solar energy suppliers (ongoing)	Business and private organisations	Under way: There are wide range of businesses offering installation of Solar PV for both residential and business applications.	Under way and continuing
p79	Solar schools (ongoing)	Schools	Under way: Some schools in Lower Hutt have installed Solar PV. HCC is facilitating a pilot project to develop carbon footprints for five schools, so that this can inform them on opportunities to reduce emissions (which can include adding Solar PV).	Under way: HCC completed a project to develop carbon footprints for five schools in Lower Hutt. This informs them on opportunities to reduce their emissions, which can include adding Solar PV. Schools face funding constraints, albeit schools are eligible to apply into <a href="#">HCC's Low Carbon Acceleration Fund, launched earlier in 2024</a> .
p79	Wainuiomata marae – solar	Wainuiomata Marae, Kāinga Ora	Delayed: This project involves the Wainuiomata Marae working in partnership with Kāinga Ora to build affordable rental homes. The project is stalled at the planning stage while the legacy zoning classification gets changed (this could take 3 years). The external funding previously agreed has a use-by-date so there are time constraints that will need to be worked through. HCC staff are working on the zoning change.	Under way: The Council is continuing to work on re-zoning the marae site to allow more enabling provisions for future development associated with the marae including housing. However, this re-zoning process is not preventing a resource consent to be applied for now to build housing on this site. It is understood that UPL is assisting the marae with this process and that a resource consent application will be submitted later this year. However, it should be noted that whether solar is included or not is not a relevant matter or requirement for this application.

Ref	Action	Lead or project partners	Status (as at 25 August 2023)	Status (as at 20 August 2024)
<b>REFUSE, REDUCE, REUSE, RECYCLE (16 actions)</b>				
p80	Recycling in schools (by 2022)	HCC	<b>Completed:</b> Free recycling is available to all schools in Lower Hutt.	<b>Completed</b>
P80	Food waste business case (by 2023)	HCC	Under way: Development of a business case and options for managing residential and commercial green and food waste in Lower Hutt is under way. A briefing for Council on the draft business case is scheduled for September 2023.	<b>Completed.</b> The business case was completed, and a new Food and Green Organics Collection Service was proposed as part of the LTP 2024-34. The finalised LTP includes the new service, starting from 2027. However, further work is being carried out before final decisions are made in 2025.
P80	Resource recovery park (by 2023)	HCC	Under way: Over the last three years various 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 Waste Management NZ. WMNZ has submitted a consent application, with decisions potentially due by the end of 2023.	Under way: A new covered drop-off facility was completed at Silverstream transfer station, operated by Earthlink Inc.  Additional diversion opportunities are being considered, albeit little progress has been made on options for diverting some construction and demolition waste streams. This is mainly due to the lack of markets (eg for treated timber).  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 Waste Management NZ. WMNZ has submitted a consent application, with decisions potentially due by the end of 2023.
P80	World of Waste Tours (ongoing)	HCC	Under way: World of Waste tours are delivered by Toimata Foundation, in conjunction with the Enviroschools Programme, and provides students with the opportunity to think creatively about reducing waste.	Under way and continuing.
P80	Community gardens (ongoing)	Residents et al	Under way: There continue to be a number of community gardens located in Lower Hutt.	Under way and continuing.
P80	Foodprint App (ongoing)	Foodprint et al	Under way. Foodprint connects users to eateries with surplus and imperfect food available for purchase at a discount. It was launched in late 2021. Note that there is no public information about how effective this app is.	Under way and continuing. Unfortunately, there is no public information about how effective this app is. However, considering the number of listings on their app for Lower Hutt, it is unlikely to result in any significant waste reduction.
P80	Kaibosh food rescue (ongoing)	Kaibosh et al	Under way: Kaibosh is a food rescue organisation that also operates in the Hutt Valley, supplying food to more than 140	Under way: Kaibosh is still busy servicing 140 charities (45 in Lower Hutt) and rescuing 800,000kgs of food per year in the region.

Ref	Action	Lead or project partners	Status (as at 25 August 2023)	Status (as at 20 August 2024)
			charities and community groups in the Greater Wellington Region.	They operate with 52 volunteers to meet the demand for their service and have recently opened a community kitchen that preserves and repurposes food that can't be eaten fresh this is estimated to produce an extra 300 meals per week.
P80	Kerbside green waste collection service (ongoing)	HCC	Under way: HCC introduced a new kerbside collection methodology, including opt-in green waste service, in 2021. This diverts about 2,000t of green waste per year. The number of subscribers to the four-weekly green waste service has steadily increased.	Under way and continuing. Work continues on the option to introduce a food and green organics collection service, and associated processing, from 2027.
P81	Trial of flare (by 2022)	HCC	<b>Completed.</b> 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 ( <a href="#">refer report no. CCASC2023/1/49 from February 2023, page 25</a> ). However, note that work continues on other remediation options for the closed landfill site.	<b>Completed.</b> Work continues on other remediation options for the closed Wainuiomata landfill site.
P81	Methane collection system (ongoing)	HCC	Under way: Silverstream Landfill has a methane collection system in place, which is used to generate energy. There is also a supplementary flare to maximise methane destruction efficiency. For the last two years, Silverstream has achieved the minimum liability under the Emissions Trading Scheme.	Under way and continuing: During the year, two engines at the power plant were replaced as part of LMS' renewable programme. The supplementary flare continues to operate as needed; some work is underway to consider the potential need for a second flare in the future.
P81	CleanTech Business (ongoing)	Callaghan Innovation	Status unclear.	Status unclear.
p81	Compostable and biodegradable packaging (ongoing)	Business and private organisations	Under way: There are compostable packaging options available from a range of businesses. However, note that some of these products are not suitable for home composting. In addition, even if HCC and other councils in the region invest in a food/green waste collection and processing service, it is unlikely that compostable plastic products would be acceptable for collection.	Under way: There are compostable packaging options available from a range of businesses, albeit it is important that the various claims can be confusing to residents. Many products that are claimed to be compostable are not suitable for home composting. Looking at products that are technically suitable for commercial composting, these are not normally accepted by those facilities, due to a range of concerns. If HCC and WCC invest in a food/green waste collection and processing service, only material that has grown or can be eaten would be accepted.
p81	Integrated PET recycling plant (ongoing)	Business and private organisations	Under way: Flights Plastics operates a fully integrated PET recycling plant, which recycles waste PET packaging that can be used locally.	Under way and continuing.

Ref	Action	Lead or project partners	Status (as at 25 August 2023)	Status (as at 20 August 2024)
P81	Pre-loved clothing (ongoing)	Business and private organisations	Under way: A range of local retail businesses are selling used clothing and products.	Under way and continuing.
P81	Scrap metal recycling (ongoing)	Business and private organisations	Under way: There are a range of metal recyclers available to Lower Hutt residents and businesses.	Under way and continuing.
P81	Transforming recycled items (ongoing)	Business and private organisations	Under way: Earthlink, and businesses such as Macaulay Metals, recover/recycle materials and products.	Under way and continuing.
<b>CARE AND RESPONSIBILITY FOR OUR NATURAL ENVIRONMENT (13 actions)</b>				
p82	Community group actions (ongoing)	Various	Under way: Planting, weeding, litter collection, beach clean ups and education are carried out by local groups like Friends of Horoeka Scenic Reserve and Friends of Waiwhetū Stream.	Under way and continuing.
p82	Enviroschools (ongoing)	Toimata Foundation	Under way: In 2022, HCC expanded its support for the EnviroSchools Programme, to enable it to reach all schools in Lower Hutt.	Under way and continuing.
p82	Local supply of plants and advice (ongoing)	Various	Under way: There a number of local garden centres and nurseries.	Under way and continuing.
p82	Promoting te ao Māori understandings of the environment (ongoing)	Lead unclear	Status unclear. Note that Council's draft Indigenous Biodiversity Strategy incorporates Te Ao Māori elements.	Status unclear. Note that Council's Indigenous Biodiversity Strategy incorporates Te Ao Māori elements.
p82	Accelerate reforestation of Belmont Regional Park (by 2025)	HCC	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 (even though some land is owned by HCC), HCC is not directly involved in the park's revegetation. Over the last couple of years, HCC's Climate and Waste team has been coordinating with GW to identify opportunities for accelerating reforestation beyond GW's current plans, but none have been identified yet.	Changed: GWRC has significant planting efforts under way in Belmont Park, in line with its Parks Network Plan.  While HCC's Climate and Waste team has been coordinating with GW to identify opportunities for accelerating reforestation beyond GW's current plans, this does not appear feasible as planting is already occurring as quickly as possible.  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

Ref	Action	Lead or project partners	Status (as at 25 August 2023)	Status (as at 20 August 2024)
				available to community groups in future funding rounds to help facilitate additional planting on land not targeted for reforestation.
p82	Planting more native trees on Council land (by 2025)	HCC	<p>Under way: Over the last year, a key focus has been to draft an Indigenous Biodiversity Strategy. The 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 by HCC contractors and volunteer, 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 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.</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"> <li>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.</li> <li>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.</li> </ul> <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>
p83	Indigenous Biodiversity Grants	HCC	<b>Completed.</b> Biodiversity Grants funding was established and funded by HCC as a three-year scheme to support groups and individuals to achieve indigenous biodiversity outcomes. The scheme closed out in June 2023.	<b>Completed.</b>

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p83	Predator Free Hutt Valley	Residents and private organisations	Under way: There are many local groups involved in reducing pests.	Under way and continuing.
p83	Predator Free Hutt Valley – New 3,000 ha sanctuary	GWRC et al	Under way: An application for seed funding has been endorsed by the Minister of Conservation and has been forwarded on to the Emerging Priorities Fund. The seed funding is to get the project through the design and resource consent stage and to set up a trust to run the project. Note that this involves land owned by GWRC, and HCC is not involved in the sanctuary proposal.	Future uncertain: It was <a href="#">reported in January 2024 that the Regional Council had requested new funding</a> to allow the Department of Conservation, Regional Council and Taranaki Whanui to complete detailed designs and obtain resource consents for the proposal. The <a href="#">Minister of Conservation responded to GWRC in March 2024</a> noting that while the Department of Conservation remains supportive of the eco-sanctuary proposal, and that the Department will continue to provide in-kind support, it does not support the funding of the project from Vote Conservation.
p83	Belmont Wetland Project	GWRC	<b>Completed:</b> A pilot project designed to test the feasibility of constructed wetlands, including riverbank revegetation and stream improvements, was completed.	<b>Completed.</b>
p83	NUWAO Project	Victoria University	Status unclear.	Under way: NUWAO aims to develop nature-based urban design solutions, rooted in Indigenous knowledges that support climate change adaptation and individual and community wellbeing in different contexts across Aotearoa and Oceania.  <a href="#">NUWAO</a> is delivering research in this space with three journal articles published in 2024.  They hosted a design competition on nature-based urban adaptation in 2023, in the youth category the <a href="#">winning entry</a> was based on Te Awa Kairangi ki tai. They also hosted a <a href="#">symposium in 2023</a> , which was attended by the HCC's Director of Economy and Development as a keynote speaker.
p83	Petone Dune Restoration	Friends of Petone Beach	Under way: This work is carried out by the Friends of Petone Beach, planting thousands of native plants, and carrying out weeding and litter removal.	Under way: Over 12,000 plants have been planted along the Petone Esplanade this year. Some were supplied by HCC, with the majority supplied by the Te Ara Tupua project. The Friends of Petone were supported by Hutt Valley High School and Sacred Heart School Petone to plant a number of the plants.
p83	Restoring wetlands	Various	Under way: There is work under way at the Waiū Street mountain bike facility, Wainuiomata, by community groups, predominantly the Lower Hutt Branch of the Royal Forest and Bird Protection Society NZ.	Under way: Forest and Bird continue to improve the Waiū wetland with pest weed removal and have planted a further 3,040 plants this year.

Ref	Action	Lead or project partners	Status (as at 25 August 2023)	Status (as at 20 August 2024)
<b>LIVING WELL LOCALLY (16 actions)</b>				
p84	RiverLink (by 2027)	HCC, GWRC, Waka Kotahi	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 completed in 2027. The project includes a range of changes in the Lower Hutt CBD.	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.
p84	Urban Growth Plan (by 2025)	HCC	Under way: HCC is developing its Coordinated Urban Renewal Programme to take an umbrella view of all the major projects in the Valley, and join up threads for a coordinated approach. It is growing fit-for-purpose governance arrangements, and the tools and capability for coordinated, strategic urban renewal. Citywide and localised spatial planning, which will feed into the Future Development Strategy (led by GWRC), is a key workstream of the programme.	Under way: This work is now under the banner of a city-wide "Spatial Plan", which will replace the 2012-2032 Urban Growth Strategy. A work programme was approved at the meeting of the District Plan Review Committee on 29 February 2024, incorporating mana whenua, crown agency and general community engagement, with the draft plan to be finalised by December 2024.
p84	Knights Road Connection Project	HCC	Under way: The trial Knights Road cycleway may now remain in place until July 2028 until the new cycle way is completed on Waterloo Road, subject to Council decisions.	Changed: The Knights Road will be removed in 2025 when Knights Road is resurfaced. Road markings will be installed to a pre-cycleway configuration following negative feedback of the Knights Road cycleway.
p84	District Plan Change 43 (ongoing)	HCC	Under way: This came into force in March 2020, and now supports the building of medium-density residential areas close to transport, shops and schools.	Under way and continuing. In addition, Plan Change 56 came into force in September 2023, this enabled further intensification in residential and commercial areas.
p85	Community groups (ongoing)	Various	Under way: There are a range of community groups that work across the city and/or advocate to support climate action.	Under way and continuing.
p85	Play in the Hutt (ongoing)	HCC, Kōkiri Marae, Nuku Ora	Under way: HCC has partnered with Kōkiri Marae to deliver Pukutākaro (Play) throughout schools in the city, which was previously delivered by HCC staff. This is a significant shift from "HCC delivering" pre-2022, to HCC enabling". This work is funded by Nuku Ora, the regional sports trust. HCC is also working to embed Play across Council's Neighbourhood Hubs.	Under way: The programme continues with Pukutakaro in schools, a Play trailer provided through Pacific Health Service HV, a bookable Play trailer used mainly by schools, and activities led through community hubs, including play libraries.
p85	Council-managed land (ongoing)	HCC	Under way: HCC continues to manage around 3,000 hectares of parks, reserves, bush-clad hills, beaches, walkways, tracks,	Under way and continuing.

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			sports and playgrounds, and around 12,500 street trees, and continually explores improvement opportunities.	
<b>PREPARING FOR CLIMATE IMPACTS AND HOW WE ADAPT</b>				
p86	Education on impacts of climate change (ongoing)	NIWA	Status unclear.	Under way: NIWA have developed a range of <a href="#">resources</a> on their website to support the <a href="#">public</a> to understand climate change and <a href="#">teachers</a> to teach climate education in schools. This content is updated as new science emerges.
p86	Wellington Water Flood Maps	WW	Under way: Wellington Water has already developed <a href="#">flood hazard maps</a> for some areas in Lower Hutt; these take into account projected climate impacts such as the effects of a higher sea level.	Under way: Wellington Water has prepared flood hazard maps for all areas within the city. These will be adapted and integrated into the Draft District Plan for release in early 2025.
p86	Regional risk assessment for key climate change impacts (by 2023)	All councils in the region	Under way: HCC is collaborating with other councils in the region to develop a Wellington Region Climate Impact Assessment (WRCCIA), to provide a consistent approach to climate change risk assessment across the whole region. This is expected to be completed before the end of 2023. The risk assessment is expected to inform a potential Wellington Regional Climate Change Adaptation Plan. Subject to funding decisions by councils, work on that plan could get underway once the WRCCIA has been completed.	<b>Completed. The final report is available at <a href="https://wrlc.org.nz/project/regional-approach-to-climate-change-impacts-assessment">https://wrlc.org.nz/project/regional-approach-to-climate-change-impacts-assessment</a></b>  Work is being scoped on the next steps.
p86	Vertical land movement and sea level rise research		<b>Completed:</b> In 2022, the SeaRise project made available maps for all of New Zealand that shows how sea-level rise can increase or reduce when taking into account vertical land movements. Further information is available at <a href="https://www.searise.nz/">https://www.searise.nz/</a> .	<b>Completed.</b>
p87	District Plan Review	HCC	Under way: The District Plan review is accounting for flooding maps and sea-level rise modelling.	Under way and continuing. The flooding maps being prepared for the Proposed District Plan take into account the Ministry for the Environment non-statutory guidance relating to coastal hazards and are based on an 8.5+ (medium - 1.59m) sea level rise scenario.
p87	Tupua Horo Nuku Eastern Bays Shared Path (sea walls)	HCC, Waka Kotahi, Central Government	Under way: Construction on sections of the project is under way. Development includes replacement sea walls for improved protection from storm events.	Under way: 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.

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p87	Floodplain management plans	GWRC, HCC	Under way: Floodplain management plans are in place for Te Awa Kairangi / Hutt River, a plan is under development for the Waiwhetū Stream.	Under way: GWRC has developed <a href="#">draft flood maps</a> for the Waiwhetū Stream.
p87	RiverLink flood protection	HCC, GWRC, Waka Kotahi	Under way: The 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. Work includes raising and widening the stop banks and widening the river channel. A new bridge will provide additional flood flow capacity.	Under way: Greater Wellington Regional Council began stop bank works at Mills Street in February 2024, and is expected to complete them by October 2024 before moving onto other river works as part of the flood protection aspects of the programme.
p87	Upgrading three waters infrastructure (2021-31)		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.