

# -TE PAE TAWHITI- STRATEGIC PLAN TO 2025

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This is an invitation to each of us.  
What future do you choose?  
What future do you seek?  
What future do you stand for?  
We each have a role in shaping tomorrow.  
What happens next depends on each of us joining forces to  
collaboratively make system changes.

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## 1. Whakatakinga- Introduction

This document outlines the Sustaining Hawkes Bay trust 5-year strategic plan.

Currently the trust (trading as the Environment Centre Hawke's Bay) is heavily focused on zero waste and recycling streams. There is a need to think broader across climate action.

Our environment is under unprecedented pressure and climate change is showing its early symptoms in Hawke's Bay through sea level rise, severe drought, extreme floods, change in temperature norms and erosion.

According to climate action tracker<sup>1</sup>, Aotearoa is performing poorly against sustainable development goal targets. These have been set to keep our temperature < 3° rise. As a country our response is considered highly insufficient and against the world targets a fair share contribution is considered critically insufficient. We also know that sea level rise is happening quicker than initially predicted.

As an island country we have been reliant on a primary production endless growth model for much of the country's economic wealth. As a result, Aotearoa is particularly vulnerable to the economic and environmental impacts of climate change.

The Environment Centre and the Sustaining Hawke's Bay trust work could aim to grow a movement to catalyze systems change across households, communities and business. Acting as a strong independent voice for the environment in Hawke's Bay.

Given our current climate and environment status, it's time to be eye wateringly ambitious with the organisation's vision and strategy. It is also time to be a unifying community voice that guides behavior changes and holds local, regional, and central government accountable at all levels. It's time to live within our planetary limits.

Planetary boundaries, put simply, are thresholds within which humanity can survive, develop and thrive for generations to come. These nine boundaries created a safe operating limit for survival.

- Climate Change
- Ocean acidification
- Freshwater consumption and the global hydrological cycle
- Land system change
- Nitrogen and phosphorus flows to the biosphere and oceans
- Atmospheric aerosol loading
- Stratospheric ozone depletion
- Loss of biosphere integrity (biodiversity loss and extinctions)
- Chemical pollution and the release of novel entities

## 2. About the Organisation

The Environment Centre Hawkes Bay (Sustaining Hawke's Bay Trust) is an independent registered charity that has been serving the Hawke's Bay community for 30 years. As a charity the organization is audited annually.

Climate change is driving a huge increase in demand for our service, 200 to 300 people come through our doors daily from across Hawke's Bay learning to both recycle and wanting to know more about how they can reduce their climate impact, ensure food resilience, and adapt to climate change.

This year during Covid we have:

- diverted more than 80,000kg's electronic waste,
- 100,000 of plastic minimalism, batteries, soft plastics diverted from landfill, provided advice/ recycling service to more than 42,000 people,
- diverted 95% of event waste through our waste warrior team,
- visited schools and delivered workshops,
- ran 32 free composting workshops to encourage keeping food waste out of landfill to reduce emissions
- supported 9 Beach clean ups
- attracted funding and built a mobile wash station to enable truly zero waste events,
- 6005 volunteer hours,
- collaborated with Nourished for Nil, Resource, Hohepa, Idea Services, Para Kore, Te Taiwhenua o Heretaunga, Napier City Council, Hastings District Council, Sustainable Ewe, Repair Café, Environment Hubs Aotearoa (EHA), Zero Waste Network, Community Energy Network
- Developed a new strategic and annual work plan across food resilience, circular economy, biodiversity, transition, water health, energy and transport

We do not charge our community for most of our services, including specialist recycling as we want it to remain accessible all. We do not receive any funding to offer our specialist recycling services, this is an area we need more support in.

This strategic plan expands our offering.



### 3. Governance – Our Trustees



**Dr Andrew Phillips - Co-Chair.** Andy has been working on sustainable environments for over 40 years. He holds a doctorate of business administration with more than twenty years experience of working on and chairing boards. Andy works as an Executive Director in the health system. He is passionate about supporting our Hawke's Bay community to take action to meet sustainable development goals.



**Sarah Walker- Co-Chair.** Sarah is a Motivated Problem Solver, Scientist and Chartered Accountant. A Director of a leading accountancy advisory firm Epplett & Co. Holds a number of governance and leadership roles in HB and NZ with experience on start-up implementation projects as well as refining processes and technology solutions. She has a passion for the environment, driving an electric car and always has a keep cup in her hand! She tries to grow as much organic fruit, veges, eggs and meat as she can with her husband and children on their farm in Pukehou, CHB.



**Callum Ross- Trustee.** a passionate bio-material specialist and product designer. He is a leading expert in transforming natural bio-waste into sustainable value add solutions, and has patented new technology.



**Rebecca Ashcroft- Trustee.** Communications advisor to the Hawke's Bay Regional Council. With a passion for using communication in making social change and promoting corporate social responsibility. Rebecca has experience in brand management, building strong working relationships and strategic communication in both the public and private sector. Rebecca joined the board in 2019. She is passionate about sustainability and reducing our impact on our whenua.



**Marie Flemming- Trustee.** is a registered architect who has been working in building sustainability for most of her career. She has volunteered for the Environment Centre as a Waste Warrior, supported Green Drinks and hosted an event for Sustainable Backyards. In 2018 she established the Sustainable Building Hawkes Bay group.



**Emma Horgan-Heke- CEO.** Emma is passionate about making a difference in climate change. She has 30 years of project management experience across industries worldwide. In the last 15 years this experience has been in large scale complex projects in the \$100 million space. Emma has also had her own consulting practice in the Regenerative and community building areas. She grew up on an organic farm at Mahia Beach where her family lived off the land.

## **Ko te uaratanga – our mission**

To inspire and empower people, businesses, and community to create a resilient and regenerative Hawke's Bay within planetary boundaries.



A scenic sunset over a beach. The sky is filled with vibrant orange, yellow, and blue clouds. The sun is low on the horizon, casting a golden glow over the water and sand. In the distance, a dark, rocky island is visible. The foreground shows the gentle waves of the ocean washing onto the sandy beach.

## **Ko te whakakitenga – our vision**

A resilient connected community with strong local regenerative food systems, restored biodiversity, and a circular economy within Hawke's Bay social and ecological boundaries

## 4. Acknowledging and Working with our Treaty partners

We recognise Te Tiriti as the founding document of Aotearoa.

We acknowledge that hapū in Aotearoa never ceded tino rangatiratanga.

We acknowledge that our organisation has a lot of work to do in order to honour Te Tiriti.

We will work hard to support our staff, board and centres on their journey to better understand Te Ao Māori and to be good partners.

We acknowledge that Mātauranga carries the mana, kōrero and, in some cases, tapu of generations of experiential research. We view Mātauranga as a taonga. At the heart of what we do & those we support is the belief that Papatūānuku urgently needs kaitiakitanga.

We acknowledge that the Māori world view is an all-embracing, life-enhancing approach to thinking about people, the natural world and the spiritual world. It recognises the interrelationship of all living and non-living things. At its heart is intergenerational reciprocity: people receiving and benefiting from the land and giving back to it in a harmonious and sustainable balance.

## 5. Ko ngā uara – our values

**Kotahitanga**- unity, cohesion and collaboration, standing as one. We value working collaboratively, weaving our stories together

**Tāria te wā and kaitiakitanga** - long-term intergenerational thinking, sustainable guardianship with collective future generations in mind

**Mātauranga Māori** - Mana Whenua knowledge and understanding

**Mōhiotanga** - growing knowledge and understanding, raising awareness and insight.

## 6. Ngā whāinga o te rautaki - Strategic priority areas



Our six priority areas of focus are food resilience, safe and circular economy, biodiversity, Water health, Eco-districts/ Transition towns, Energy and Transport. The following pages outline the strategic objectives for these pou and the workplan behind each for the next 18 months.

## 6.1 Foundation- Organisational Growth and Partnership

Whilst all the other strategic objectives look outwards for impact, this objective focuses on growing the organisation's capacity, capability and collaborative partnerships to deliver.

Sustaining Hawke's Bay Trust is 30 years old and is a registered charity. Due to both a growing awareness of climate change and changing funder appetite there is an opportunity and desire to diversify the organisation's service offerings across climate action, food resilience, energy, transport, transition town, water, biodiversity and circular economy. The following are the key areas of focus for developing the organizations capacity and longevity over the next 5 years:

- Develop and implement our Te Tiriti framework
- Find a new premises that provides long term stability and the opportunity to collaborate on a larger scale "The Climate Impact Hub"
- Diversify income and funding across 7 streams
- Grow depth and capability of team
- Board foundations- continue to develop board and ensure diversity of voice, succession planning, good processes, and procedures
- Develop climate action hub capabilities to support action across all strategic pou
- Grow networks, relationships and partnerships for collaborative action

**Strategic Objective: to optimise the organisation for maximum mission impact.**



#	Strategic Objective	Measurable Goals	Performance target / measures of success	By When
1	<b>To optimise the organization for maximum mission impact</b>	Development and implementation our Te Tiriti framework. Develop and grow authentic partnership with Mana Whenua.	<ul style="list-style-type: none"> <li>Te Tiriti framework developed</li> </ul>	Q3 2022
2		Short term premises: Find a premises that will meet our climate action, community hub, electronic and plastics processing needs for the next 5 years. Will include interim customer facing facilities in the short term whilst hub is being developed.	<ul style="list-style-type: none"> <li>Lease main premises in Hastings</li> <li>Find small pop-up satellite location in Napier</li> </ul>	Q4 2022
3		Long term premises: Find land and build the "Climate Impact Hub" for collective action across all sustainable development goals	<ul style="list-style-type: none"> <li>Crowdfunding launched for land</li> <li>Funds raised for land by</li> </ul>	Q4 2022 Q4 2023
4		Diversify income by working across 7 streams – membership, grants, contracts, fundraising, sponsorship, social enterprise, donations	<ul style="list-style-type: none"> <li>Budget set for 2022/2023</li> <li>Membership scheme launched</li> <li>Grants Calendar established for applications</li> <li>Develop 1-2 social enterprises</li> <li>Update website and social media with avenues to make donations</li> </ul>	Q1 2022 Q3 2022 Q2 2022 Q4 2022 Q3 2022
5		Grow depth and capability of team to cover new streams of work and grow existing streams	<ul style="list-style-type: none"> <li>Develop learning and development plans, objectives and peer to peer opportunities</li> <li>Hire senior experience into the team for high skilled jobs and share this knowledge to grow team</li> </ul>	Ongoing
6		Board foundations- continue to develop board and ensure diversity of voice, succession planning, good processes and procedures	<ul style="list-style-type: none"> <li>Independent review and update of existing policies</li> <li>Incorporate Board needs into the learning and development plan</li> </ul>	Ongoing
7		Develop Centre as a Climate Action Hub	<ul style="list-style-type: none"> <li>Develop Plan</li> </ul>	Q3 2022
8		Grow networks and relationships	<ul style="list-style-type: none"> <li>Actively seek opportunities to grow networks and relationships</li> </ul>	Ongoing

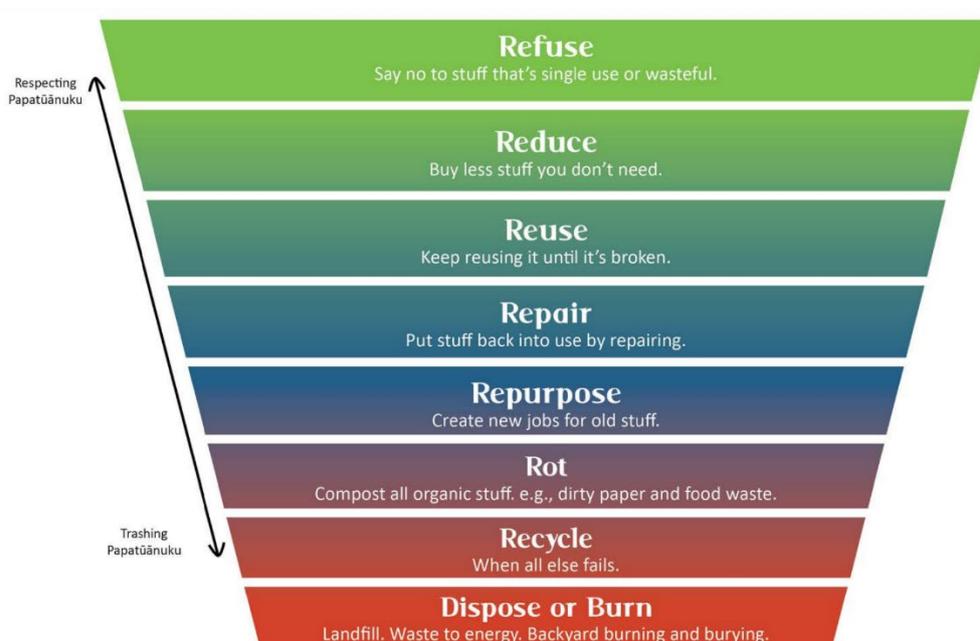
## 6.2 Ōhanga Āmiomio - Circular Economy within planetary boundaries

Forty five percent of the worlds emissions comes from the food, materials and products that we make, use and consume every day. To significantly reduce emissions and their impact on the climate, we need to drastically reduce our consumption-based patterns and appetite for a growth economy.

The way we create and manage waste in Aotearoa is not sustainable. Most of the materials we use are disposed off to landfill. These practices have contributed to making us one of the highest generators of waste per person in the Organisation for Economic Co-operation and Development (OECD)<sup>2</sup>. In 2018, municipal landfills received around 3.7 million tons of waste, more than 1,000 buses every day – or around 750 kilograms for everyone in Aotearoa.

The current take-make-dispose mind-set has created a linear economy. We need to revolutionise our relationship with stuff by becoming resource efficient, reusing, repairing, sharing and recycling more. Ōhanga Āmiomio or a circular economy is an alternative to a traditional linear economy, the focus is on keeping resources in use as long as possible.

We can better support our economy, protect the health of our communities and reduce environmental impacts if we harness the value of materials we dispose of and return them to productive use. Refer to the waste hierarchy below.



**Objective : To help our region rethink production and consumption patterns, by encouraging behavior change and demand for new circular business models. Supporting transition to a circular economy by connecting, educating and inspiring both businesses and communities**

<sup>2</sup> Source OECD <https://data.oecd.org/waste/municipal-waste.htm>

#	Strategic Objective	Measurable Goals	Performance target / measures of success	By When
1	<b>To help our region rethink production and consumption patterns, by encouraging behavior change and demand for new circular business models. Supporting transition to a circular economy by connecting, educating and inspiring both businesses and communities.</b>	Continue to expand our streams of specialist recycling. Ensuring all streams are sustainable recycling options. Expand drop off locations. Use this as an opportunity to educate public on not creating waste to begin with.	<ul style="list-style-type: none"> <li>Grow our database of recycling options and audit trail on each</li> <li>Measure and grow recycling in centre</li> </ul>	Q4 2022
2		Create a marketing and education program to help change consumer behavior - zero waste lifestyles and expecting more from businesses. Empower consumers & buyers with knowledge to make good decisions. Make a digital revolution central to our way of working.	<ul style="list-style-type: none"> <li>Develop a work program for consumer behavior change to zero waste</li> <li>Continue to educate customers when they come in on options to become zero waste</li> <li>Advocate for circular economy within social and environmental boundary limits</li> </ul>	Q1 2023
3		Assess electronic waste recycling capacity and strategic vision in readiness for e-waste product stewardship scheme in December 2023	<ul style="list-style-type: none"> <li>Create strategic intent for e-waste, go/ no go decision</li> </ul>	Q3 2022
4		Continue to develop a program to reduce food waste to landfill	<ul style="list-style-type: none"> <li>Deliver NCC trial workshops for food waste home composting</li> <li>Deliver HDC trial workshops for food waste home composting</li> <li>Investigate joint ventures on curbside pick up</li> <li>Develop a social media campaign on food waste</li> </ul>	Q3 2022 Q2 2022 Q3 2023 Q4 2022
5		Help households (and subsequently) businesses understand how to reduce their emissions	<ul style="list-style-type: none"> <li>Design social media campaign, educational onsite resources and knowledge</li> </ul>	Q1 2023
6		Support businesses transition to circular economy	<ul style="list-style-type: none"> <li>Create a circular economy network for Hawke's Bay</li> <li>Deliver circular economy educational workshops (at least 1 per quarter starting last quarter 2022)</li> <li>Grow an in house expert on certification and audit processes across different frameworks</li> </ul>	Q1 2023 Q4 2022 Q4 2022

#	Strategic Objective	Measurable Goals	Performance target / measures of success	By When
			<ul style="list-style-type: none"> <li>Attract a partnership to deliver circular economy business incubator</li> </ul>	Q3 2023
7		Mobile wash station and reusable containers	<ul style="list-style-type: none"> <li>Build wash station, develop systems, find reusables</li> </ul>	Q4 2022



### 6.3 Food Resilience

“Te toto o te tangata he kai, te oranga o te tangata, he whenua, he oneone – While food provides the blood in our veins, our health is drawn from the land and soils”

Food — the way we currently grow, gather, transport, process, trade, store, regulate and consume it, comes at unsustainable cost to human health, the climate, and the environment. Our food systems are interlocked with climate change, land and water degradation, deforestation, loss of biodiversity, depletion of water resources, and pollution. These threats to our planetary life support systems in turn propel poor health, economic inequality, social upheaval, and conflict. Food systems are both a driver and a victim of these challenges. They are responsible for one third of global GHG emissions, as stated in reports from IPCC2020, IPBES, HLPE. In Hawke’s Bay we have already begun to see the damage climate change has had on our environment and food systems through severe drought, flooding, erosion. If nothing changes, by 2050, the food system alone will have used up  $\frac{2}{3}$  of New Zealand’s remaining global carbon budget.

Agriculture, horticulture, fisheries food systems need to be fundamentally redesigned in a way that: builds resilience, works with nature not against, maximises biodiversity, regenerates water systems, adapts to climate change and builds on Mātauranga Māori; Through this paradigm shift, all actors in food systems, including workers, producers and consumers, with a particular attention to Māori, women, youth and the most vulnerable, have agency in determining the future of their food systems. Taking a combined Mātauranga Māori and evidence-based approach to transitioning the regions to cultivating regenerative food systems from the land to the sea.

Our production practices and consumer demands need to shift to become nature positive, operating within planetary boundaries. Putting planet and people first. Their health, wellbeing and dignity over profit and efficiency and volume. The food that we eat needs to be good for our planet, our soil, our water, our atmosphere and needs to be accessible, affordable and desirable.

We need to shift the conditions that are holding the current social and environmental problems in place. By small, impactful steps that disrupt the status quo and then scales to the point where it transforms the system entirely - Rethinking the linkage between policy, economics and environment at a local level- food security and sovereignty.

**Strategic Objective: To inspire a movement to create food systems change through education, advocacy, collaboration, and funding partnerships. Transitioning Hawke’s Bay towards regenerative and resilient food systems on land and under water; to deliver biodiverse, healthy, and affordable food within planetary boundaries.**



#	Strategic Objective	Measurable Goals	Performance target/ measures of success	By When
	<b>To inspire a movement to create foods systems change through education, advocacy, collaboration, and funding partnerships. Transitioning Hawke's Bay towards regenerative and resilient food systems on land and under water; to deliver biodiverse, healthy, and affordable food within planetary boundaries.</b>	Facilitate a collective development of a Hawke's Bay regional food resilience strategy and roadmap	<ul style="list-style-type: none"> <li>• Draft strategy</li> </ul>	Q1 2023
		As an independent voice develop scorecards and indicators for what is done regionally now and how this impacts our environment. Regularly monitor and evaluate progress against these. Use research to inform and advocate for the transformation of HB's food systems, enabling direct data-based feedback between scientists, producers, and consumers.	<ul style="list-style-type: none"> <li>• Develop first regional report</li> </ul>	Q4 2023
		Facilitate the growth of a web of financially sustainable community food commons such as community gardens, Maara Kai, school gardens etc	<ul style="list-style-type: none"> <li>• Working group of existing community, Marae and School garden coordinator established</li> <li>• Current challenges and opportunities identified</li> <li>• Develop a food commons network</li> </ul>	Q1 2023
1		Support the development of local community-owned food system assets through CSA or community-supported agriculture. Ensuring local food security.	<ul style="list-style-type: none"> <li>• Develop workshops to educate producers and consumers on these models, setting up showcase and a process for incubating others- local food direct to the public</li> </ul>	Q3 2023

#	Strategic Objective	Measurable Goals	Performance target/ measures of success	By When
2	<b>To inspire a movement to create foods systems change through education, advocacy, collaboration, and funding partnerships. Transitioning Hawke’s Bay towards regenerative and resilient food systems on land and under water; to deliver biodiverse, healthy, and affordable food within planetary boundaries.</b>	Start a Regenerative (or ecological farming) Food Systems Transition and Investment (RFSTI) forum for farmers and horticulturalists to: be a catalyst for conversation, provide education, information sharing, encourage increased impact investment, create innovative funding partnerships. Invite ecological farming experts, Iwi, universities, trusts, practitioners, impact investors, and businesses to provide case studies and evidence-based learning opportunities for those that want to transition to regenerative practices. Providing streams for horticulture, agriculture, and fisheries-related industries. Generate scientific evidence and transition case studies on multiple transformation pathways. Harness innovative finance to leverage and deliver funding for the transition to new systems and related research	<ul style="list-style-type: none"> <li>• survey farmers and fishermen/ women to gauge topics of interest and demand</li> <li>• develop event brief for the first forum/ conference</li> <li>• source partners and funders</li> <li>• Hold the first event</li> </ul>	Q1 2023  Q2 2023
1		Growing consumer voice to push for change in behaviors. Enhancing public awareness and mobilizing public action. Create a marketing and education program to help change consumer food behavior. Empower consumers and public buyers with knowledge to make good decisions. Make a digital revolution central to our way of working	<ul style="list-style-type: none"> <li>• Develop a work program plan for consumer behavior change</li> </ul>	Q4 2023
		Create a 200-square meter demonstration urban garden. This garden can provide a family of 6 with 90% of their nutritional and dietary needs. Run workshops and apprenticeships to show households how to do this	<ul style="list-style-type: none"> <li>• Source land for food and climate resilience hub</li> <li>• Develop garden and workshops</li> </ul>	2023  2023

#	Strategic Objective	Measurable Goals	Performance target/ measures of success	By When
3		Promote food rescue, and food waste composting. Support advocacy for food sovereignty and social justice. Advocate for legislation change and new policies at local levels. Combining policy pushes and pull from the grassroots.	<ul style="list-style-type: none"> <li>• supporting partnership with Nourished for Nil for food rescue</li> <li>• Supporting partnership with NCC, HDC and Bio Rich for composting</li> <li>• Implement sharewaste</li> <li>•</li> </ul>	Ongoing

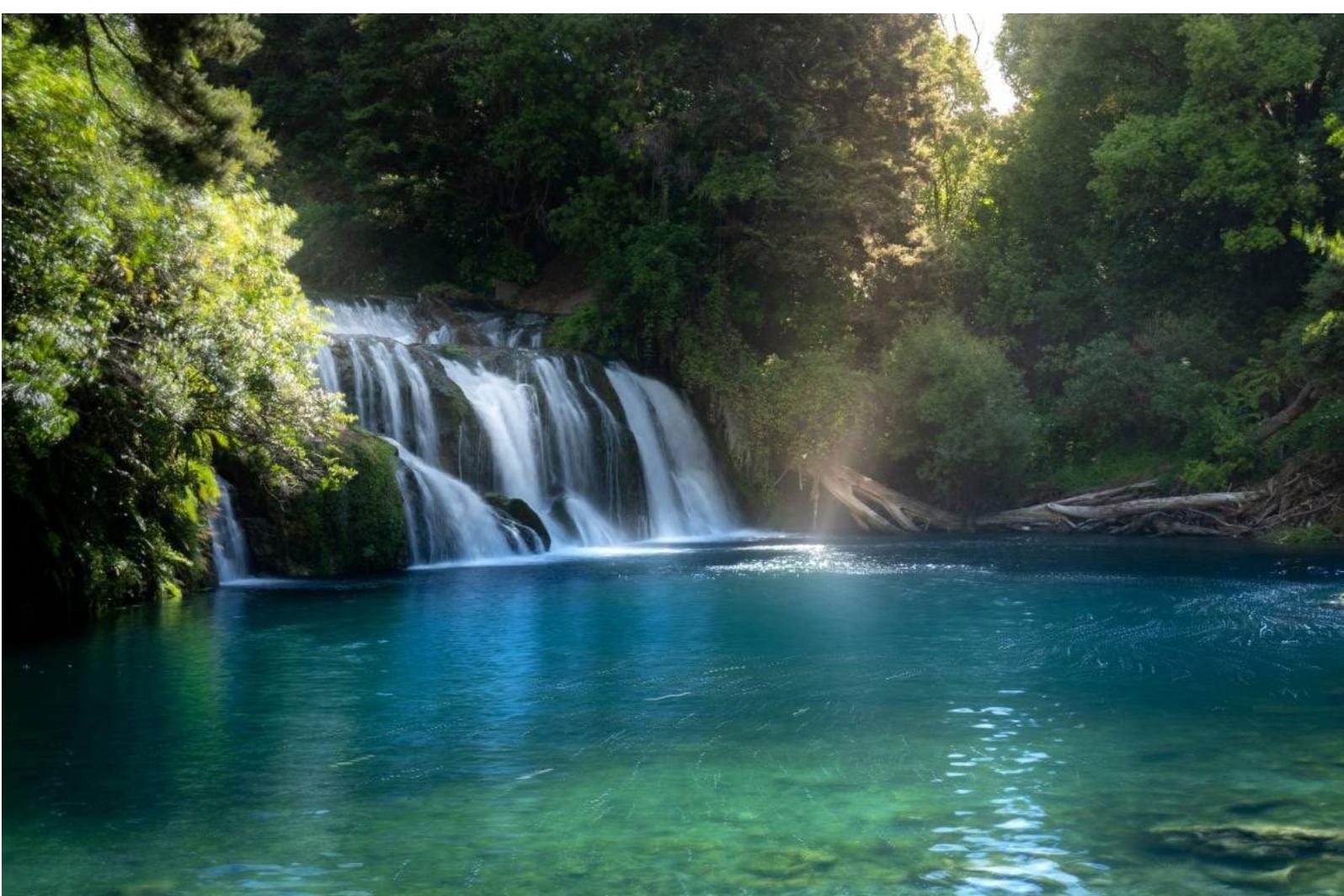
## 5.4 Te Mana o Te Wai – The life-supporting capacity of water

In Aotearoa we know our native freshwater species and ecosystems are under threat. Our Water is polluted in urban, farming, and forestry areas. We know that our horticulture industries take high volumes of water and that changing water flows affect our freshwater. We also know that Climate Change is and will continue to affect our freshwater in Aotearoa.

Environment Centre Hawke's Bay believes that the following needs to be achieved:

- Stop further degradation of our freshwater.
- Start making immediate improvements so water quality improves within five years.
- Reverse past damage to bring our waterways and ecosystems to a healthy state within a generation.

**To inspire a movement to create water systems change through education, citizen science, advocacy, collaboration, and funding partnerships.**



#	Strategic Objective	Measurable Goals	Performance target/ measures of success	By When
1	<b>To inspire a movement to create water systems change through education, citizen science, advocacy, collaboration, and funding partnerships.</b>	Develop resources, showcase, and knowledge for household water collection, water conservation appliances, grey water systems, no electricity water pumps, etc.	<ul style="list-style-type: none"> <li>• Products and knowledge in the shop</li> </ul>	Q2 2023
2		Facilitate the forming of a network of connectors across districts, enabling broader knowledge sharing, monitoring, and restoration work, delivering a high standard of outcomes with regional impact. Through the network engaging with the public and school networks to multiply our efforts.	<ul style="list-style-type: none"> <li>• Develop a collective website, regional takiwā, or map with information about all the water restoration, planting projects, and monitoring results. List restoration events for others to join. Combine Mātauranga Māori and western science.</li> <li>• Active citizen science.</li> <li>• Use advocacy, storytelling, and marketing to get even more people involved. Using the website as a tool to actively fundraise from the community, industry, and businesses to do more. The stories will act as a Catalyst to do this. It will also encourage more schools to join restoration projects in their local communities.</li> <li>• Adopt a stream or a drain for schools, businesses, and community groups. Stormwater Education-Coordinators bring learning, science, and community themes together</li> </ul>	2023

## Biodiversity

There is currently a global biodiversity crisis. Aotearoa also faces a biodiversity crisis, the degree of this crisis varies across land, freshwater and marine domains.

Of the 13,385 species identified under the NZTCS in 2019, 7% (1002) are classified as threatened with extinction, and a further 23% (3096) are 'At Risk'.

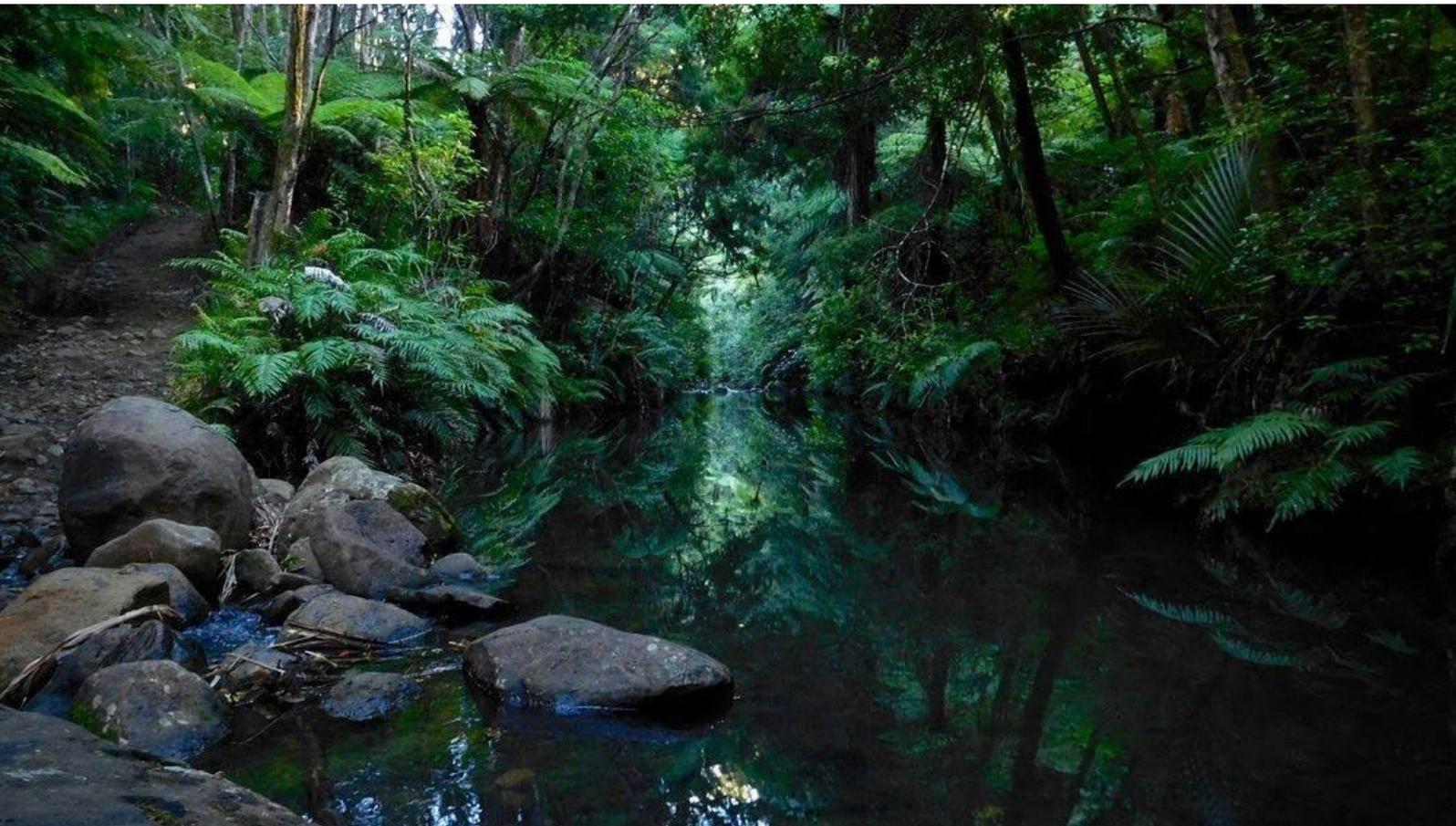
Less than half of the land area of Aotearoa remains in indigenous vegetation cover. Wetland and dune land ecosystems have been reduced by at least 90% since human arrival. The decline is still occurring. Between 1996 and 2018 there was a net loss of 85,600 ha of indigenous forest, scrub, shrubland, and grassland.

The decline in quality and mauri of fresh water since human arrival, along with freshwater habitat and species loss have impacts, not only on biodiversity but also on customary resources. Coastal water quality is degraded in some places and there has been a significant loss of some habitats such as mussel beds and seagrass meadows.

In Hawke's Bay 75% of indigenous vegetation has been cleared, and 2% of wetlands remain. In addition, several species and plants have become extinct in Hawke's Bay.

There are a number of organizations and small groups working on biodiversity projects in the region but collective or cohesive full-picture reporting is done at a public level at present.

**Objective: To support the growth of the existing groups, organisations focused on biodiversity through advocacy, networks, education, tools, and technology to transition towards a biodiverse Hawke's Bay.**



#	Strategic Objective	Measurable Goals	Performance target/ measures of success	By When
1	<b>Objective: To support the growth of the existing groups, organizations focused on biodiversity through advocacy, networks, education, tools and technology to transition towards a biodiverse Hawke's Bay</b>	Support existing partners. Attract more public interest.	<ul style="list-style-type: none"> <li>• Develop a collective website resource, regional takiwā or map with information about all the water restoration, planting projects and monitoring results. List restoration events for others to join. Combine Mātauranga Māori and western science; Create a map of nurseries.</li> <li>• Support Iwi and Hapū projects</li> <li>• Support Biodiversity Hawke's Bay and other community organisations in the biodiversity space.</li> <li>• Show live metrics where possible.</li> <li>• Active citizen science.</li> <li>• Use advocacy, storytelling and marketing to get even more people involved. Using the website as a tool to actively fundraise from the community, industry and businesses to do more. The stories will act as a catalyst to do this . It will also encourage more schools to join restoration projects in their local communities.</li> <li>• Adopt a stream or a drain for schools, businesses, and community groups.</li> </ul>	Q2 2023
2		Start a nursery or web of home nurseries in partnership with other groups	<ul style="list-style-type: none"> <li>• Develop a plan to multiply the number of trees being grown for the region</li> </ul>	2023

## 5.5 Energy and Transport

Approximately 40% of Aotearoa's total greenhouse gas emissions come from our energy sector. We can increase or reduce our total greenhouse gas emissions by making choices about how we use energy.

Within the energy sector, emissions from transport make up 43.5% of total emissions in the energy sector (17.6% of New Zealand's total emissions). In fact, transport emissions are greater than electricity, manufacturing, and fugitive emissions combined.

By fuel type, liquid fuels are responsible for most emissions. Over three-quarters of liquid fuel emissions come from the transport sector.

**Objective: To inspire a movement for change, and provide advocacy, education, and tools to transition towards a low carbon energy efficient Hawke's Bay.**



# CLEAN ENERGY

#	Strategic Objective	Goals	Performance target/ measures of success	By When
1	<b>Objective: To inspire a movement for change, provide advocacy, education and tools to transition towards a low carbon energy efficient Hawke's Bay</b>	<ul style="list-style-type: none"> <li>• All homes, whether new or old, meet effective standards for insulation, heating, ventilation and drainage. By effective, we mean that every home can be affordably kept above 18C throughout the year and that no mold can grow.</li> <li>• People can fully engage in their local renewable energy generation, use and management.</li> <li>• All communities can get involved in developing solutions to complex issues, such as how we transition to low carbon and establishing local transport systems</li> </ul>	Partnerships with Community Energy Action network to deliver on the goals. Develop work plan.	2023
1		Encourage more sustainable transport options such as walking, cycling shared transport options such as MyWay and ride sharing app through behavioral change campaigns	<ul style="list-style-type: none"> <li>• Start a cycle repair Hub</li> <li>• Advocate for walking CBD</li> <li>• Choose and promote share ride services</li> </ul>	2023

## 5.6 Community Resilience and adaption

The global problems we face, such as climate change, lack of community resilience, social and economic inequalities, and division, urgently require innovative, systemic responses arising from the bottom-up as well as top-down.

There is a need to create a regional movement of communities coming together to reimagine and rebuild our world. Urban development can be used as a tool to empower just, sustainable, and resilient neighborhoods.

By working with changemakers in a collaborative, holistic, neighborhood-scale approach to community design to achieve rigorous, meaningful performance outcomes that matter to people and the planet. We can build ways of living that are more connected, more enriching, and that recognise the biological limits of our planet.

In a top down approach, we will work through the EcoDistricts® framework with public agencies, urban redevelopment authorities, real estate and utility developers that work at the community scale, and community development organizations. EcoDistricts® is a new model for urban development to empower just, sustainable, and resilient neighborhoods. The Protocol and EcoDistricts® certified guide city makers to take a collaborative, holistic, neighborhood-scale approach to community design to achieve rigorous, meaningful performance outcomes that matter to people and the planet. EcoDistricts® aims to mobilize, empower and accelerate sustainable and equitable urban development leadership. Inspiring urban change makers to reimagine the future of cities.

In a bottom up approach, we will work through transition towns framework. The goal of transition towns is to work with the community to re-localise, become self-sufficient, share knowledge and make our communities more regenerative. It's about cities, villages, and regions working to become less energy-dependent, more sustainable, and resilient.

Local food production and consumption are among the transition initiatives. Supporting mass transportation and cycling communities, local energy ownership, create plastic-free zones are a few of their agendas. These communities also host zero-waste, rubbish reduction, recycling activities and workshops, and environmental projects at local schools.

**Objective: to mobilise a movement, to empower and accelerate sustainable and equitable urban development, and transition town leadership through advocacy, education, partnerships, and networking.**

#	Strategic Objective	Measurable Goals	Performance target/ measures of success	By When
1	<b>Objective: to mobilise a movement, to empower and accelerate sustainable and equitable urban development and transition town leadership through advocacy, education, partnerships, and networking</b>	Ecodistricts- develop capability in the team to deliver Ecodistricts for urban development	<ul style="list-style-type: none"> <li>● Provide EcoDistrict training, certification, consultants, measurement framework.</li> <li>● In partnership with Iwi, advocate for change in notified resource consent applications process for housing developments.</li> <li>● Working with Councils to change requirements for resource consent for developers to look at community outcomes for housing projects with over 5 houses.</li> </ul>	2023
2		Transition towns - create a movement of communities coming together to reimagine and rebuild our world. Designing community-led economic change.	<ul style="list-style-type: none"> <li>● Build a Transition town networks.</li> </ul>	2023/ 2024

