



# MOHUA 2042

## Sustainability Strategy

*By caring for the land and the people the  
future will be prosperous.*

*Manaaki whenua, maanaki tangata, haere  
whakamua*

# Mohua 2042

## Sustainability Strategy

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### **In gratitude**

Our thanks go to the many people of the Golden Bay community who contributed their vision and creative energy to help make this strategy a reality

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*Cover photo: Grant Knowles*

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# Imagine

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What's the most exciting environmental project you can imagine happening in your community? Perhaps you collectively set a goal to reduce local carbon emissions by 70% within 20 years, inspiring other regions to follow suit. Maybe the majority of your local businesses sign onto a plan to shift to solar powered operations, leading the way in regenerative energy and making headlines worldwide. What if your region committed to growing enough local food to feed every single resident easily? Each of these lofty goals is possible with vision, planning and commitment. So we thought, why not us? Taking into consideration all the key aspects of our lives here in Golden Bay, including ecosystems, consumption, production, work and economy, education, built environment, energy, transport, health and wellbeing, creativity and innovation, social needs, governance and partnership, we decided to get busy. We questioned what these aspects would look like at their most environmentally sustainable. We discovered it was already happening in some areas, and we clarified the parts that needed more work. Most importantly, after a consultation and research process, we formed a plan to move all of our community into a sustainable future. That's the power of imagination. When we dare to dream, we start to write a new future.



**Imagine. A nurturing, supportive community living in harmony with nature. Healthy soil, plants, animals and people. Clean air, clean water, abundant kai, rich biodiversity - our natural environment feeds into all that we are. Fish in the ocean and streams, and birds in the bush. Resilient to respond to the effects of climate change. Conscious business practices. A thriving local economy. Infrastructure that sits lightly on the land and supports an active, engaged community. A bright inviting future for our children. A shining example of sustainability in action - an exemplar for the world.**

**Living sustainably means a better life for all of us.**

## How to read this strategy

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There is a lot of vision and information in this document! A passionate group, representing different parts of our community, has voluntarily met and worked on it for two years, gathering loads of community input through hui and online feedback tools. We'd love you to read it all, but for those who don't have the time, read through 'The Vision' and 'The Need' at the start; and then find the sections that most relate to your life and dive in. We've gathered feedback from hundreds of people and you may feel the need to add more or comment on an aspect of our strategy. We know where we've been, where we are, and thanks to this strategy and your input, where we're going!

Together, we can make anything happen.

Mohua 2042 whanau.



*Manaaki  
whenua,  
manaaki  
tangata,  
haere  
whakamua*

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# Our Vision

**THRIVING COMMUNITY – HEALTHY ENVIRONMENT**

## Our Vision Statement

**Our vision is for a flourishing community that is adaptable, caring and inclusive. We work in concert with nature to preserve and improve our environment. Our sustainable approach inspires others.**

## Our Values

Our values shape our decisions and our actions - all that we are and all that we do.

<b>Connections</b> <b>Whakapapa</b>	<b>Community</b> <b>Whanaungatanga</b>	<b>Caring</b> <b>Manaakitanga</b>	<b>Confidence</b> <b>Kia Kaha</b>
Recognising the interconnectedness of all things – our connections to each other and to the natural world.	Developing enduring relationships through shared experiences. Creating trust and a sense of excitement and common purpose.	Respect, generosity and care for each other and the environment.	Being strong and steadfast. Taking pride in what we stand for and leading with confidence.

These values are underpinned by themes of abundance, well-being and creativity, embodied by the concepts of

### **Stewardship - Kaitiakitanga**

Looking after and leaving the environment in a better state for the future generation.

### **Wairuatanga**

The spiritual dimension of all existence; the all-inclusive wellbeing of an individual, but also the spiritual synergy of the collective with which individuals identify.

# A Glimpse of the Future

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## Meet Charlotte

It's 2042, Charlotte is sitting on her front porch having breakfast in the sun. Fresh fruit and orange juice from the garden – delicious! She smiles as she watches the tui and bellbirds flitting through the fruit trees. The trees are dripping with fruit, more than enough for the family and the birds. Today the family are gathering in Golden Bay. Her son, Mic, and his girlfriend, Lia, are arriving by bike from Wellington. The bike trails are excellent from the ferry now and they love this trip. They have found some great cafes to stop in on the way and they have their favourite accommodation spots where the owners greet them like old friends. Lia is in her last year at university and she is keen to take back ideas on developing a sustainable business. Golden Bay has developed an international reputation for its sustainable practices and she wants to replicate those ideas where she lives. Lia's parents are arriving this morning on the electric powered coach. Charlotte checks her watch – time to pop into town to pick them up. She glides out of the drive in her electric car. She is part of a local energy sharing programme, where her solar panels are interconnected with her neighbours in a microgrid which keeps them all supplied with power year round.

She's looking forward to this week with the family, they have some great activities planned. They are all attending an earth building course at the Sustainable Living Centre over the next few days. They'll take a tour of the Green Power House too, where they make amazing soil amendments that have made the valley so productive. Then a day biking the Art Trails and rewarding themselves with delicious kai at the organic café in Collingwood. Then there is the grand opening of the special purpose dairy factory, which is set up to separately process milk from farms certified to the regenerative practice standard. With 60% of the farms in the Bay using regenerative practices this new processing facility marks a big milestone. The whole community will be there to celebrate. And of course they will visit the internationally renowned Pupu Springs, where the water is amongst the clearest in the world.

Mic and Lia are staying on for a few extra days to join the community hop harvest at the Mussel Inn and to help plant trees as part of the Takaka River Catchment project. Mic helped out on this project many times as he was growing up and he well remembers the huge community excitement when the last plants went in to complete the link all the way from the mountains to the sea. They even studied the change in biodiversity over time at school, each year going out and spending the day in the bush doing transects and counting insects and birds.

Charlotte smiles as she sees someone walking down the street in one of her creations, a funky dress and jacket made of all natural materials sustainably produced. Ahh yes, another glorious day in Golden Bay.

# What do we mean by Sustainability?

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Living life in a way that supports and nurtures the earth and all living creatures.

Being good ancestors and leaving our place in a better state than when it was placed in our care.

For us sustainability focuses on meeting the needs of the present without compromising the ability of future generations to meet their needs. The concept of [sustainability](#) is composed of three pillars: economic, environmental, and social.

## The Need

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Golden Bay is a small vibrant community, nestled between two National Parks, in a paradise of fertile land, golden beaches, majestic mountains, extensive bush and sacred natural spaces. The region is one of the most environmentally diverse and ancient parts of New Zealand. Hundreds of species are found here that are found nowhere else in the world. It is a stronghold for a wide range of species and ecosystems which are threatened elsewhere in NZ.

It is home to artists, farmers, lifestylers, outdoor enthusiasts, educators, retired professionals, business operators and many others who live here because they appreciate the close-knit community and thriving natural environment. The region is a magnet for visitors, making tourism a major source of income for many in Golden Bay.

The global threat of climate change, the COVID 19 pandemic, increasing devastation from natural disasters - these significant world issues call on us all to take positive action to preserve a healthy natural balance in our environment and in our lives. If we work together as a community our positive impact is so much larger than any one of us can achieve alone. A strategy and action plan is a good way to achieve that cohesion.

This Sustainability Strategy captures the vision and aspirations of our community for a sustainable future for Mohua Golden Bay. It aligns with the Te Taihū Intergenerational Strategy “Being Good Ancestors”. It recognises that each and every one of us has a role to play in creating the future we want for our children. We want to pass on the taonga of our home in a better state than when these taonga were placed in our care.

This strategy celebrates the things that are already in place that we want to keep doing and spread more widely. It identifies the gaps and proposes projects and approaches that will help fill those gaps. It highlights new opportunities that emerge from implementation of this sustainability strategy and that help support health, wealth and vibrancy for our community.

It recognises that to achieve the speed of change we need, both technological advances and individual action are needed.

We believe developing and showcasing our sustainable way in Golden Bay can create a positive ripple effect. Golden Bay is well placed to be a shining example of sustainable practices in action – an exemplar for the world. We are a relatively small, engaged community, with a strong ethic of caring for each other and the earth. We are surrounded by beautiful wild spaces and natural wonders. We already have some good initiatives in place.

All is interconnected. It takes collective action from all of us to realise this shared vision.



# Our Strategies

During the community engagement forums participants were invited to add their initiatives and vision for the future into category areas. This reinforced for us all how interconnected everything is, with so many interwoven threads and interdependencies between categories. Many initiatives fit into more than one category, but to avoid duplication we have shown them only once.

<p><b>Healthy Ecosystems</b></p>	<p style="text-align: center;"><b>VISION</b></p> <p>Our natural environment is healthy, bio-diverse and something we treasure. Nestled between two National Parks and the sea, our community nurtures our valuable landscapes. We are proud of our healthy soils, clean water and abundant wildlife.</p> <hr/> <p style="text-align: center;"><b>STRATEGIES</b></p> <ul style="list-style-type: none"> <li>● Expand our focus on the care, protection and restoration of our environment</li> <li>● Reduce the use of persistent toxins and develop expertise to remediate historic toxic sites</li> <li>● More celebration and visibility for good stewardship</li> </ul>
<p><b>Responsible Consumption and Production</b></p>	<p style="text-align: center;"><b>VISION</b></p> <p>We have locally-produced nutrient-rich food that meets the needs of people and animals. Our food is grown using environmentally sustainable methods – we keep the poop in the loop! We have local processing infrastructure that uses sustainable practices and adds value locally. We use our buying power to support eco-friendly practices. We reduce, reuse, and recycle.</p> <hr/> <p style="text-align: center;"><b>STRATEGIES</b></p> <ul style="list-style-type: none"> <li>● Encourage uptake of farming and forestry systems that focus on soil, water and air health using sustainable practices</li> <li>● Create a local food plan that supports local food resilience to meet the needs of the community</li> <li>● Implement practical initiatives that minimize waste</li> <li>● Encourage marine farming and fishing practices that are ecologically sustainable</li> <li>● Encourage reduced consumption and support for organically produced goods</li> </ul>
<p><b>Work and Economy</b></p>	<p style="text-align: center;"><b>VISION</b></p> <p>A flourishing, and diverse economy that is founded on the natural gifts of Golden Bay. We envisage an eco-system of interconnected businesses that define Mohua as a leader in sustainable business and provides future generations with a place to thrive.</p> <hr/> <p style="text-align: center;"><b>STRATEGIES</b></p> <ul style="list-style-type: none"> <li>● Creation of a Mohua/Golden Bay Sustainability Accreditation Brand</li> <li>● Increasing emphasis on moving our core pillars, Agriculture, Tourism and Aquaculture, to a sustainable basis and up the accreditation process</li> <li>● Community based businesses to be encouraged</li> <li>● Develop collaborative relationships between local business and the education sector</li> </ul>

Education	<p style="text-align: center;"><b>VISION</b></p> <p>Golden Bay prides itself on lifelong education for all people. Education programmes are innovative and practical leading to best practice and sustainable solutions. Education supports connection to self, other and nature.</p>
	<p style="text-align: center;"><b>STRATEGIES</b></p> <ul style="list-style-type: none"> <li>● Establish Mohua as a hub for sustainability education</li> <li>● Enable holistic education opportunities for young people</li> </ul>
Built Environment	<p style="text-align: center;"><b>VISION</b></p> <p>Good quality, healthy affordable homes for all residents. Eco-villages and co-housing initiatives that enable residential development in a sustainable way. Well-developed infrastructure that utilizes sustainable technology. Safe roads and interconnected cycle and walkways. People-focused townships.</p>
	<p style="text-align: center;"><b>STRATEGIES</b></p> <ul style="list-style-type: none"> <li>● Develop permanent affordable housing solutions</li> <li>● Establish an interconnected active transport infrastructure</li> <li>● Employ sustainable practices for commercial/community buildings, new developments and council infrastructure</li> <li>● Move to natural, non-toxic, eco-friendly homes</li> <li>● Work with council on areas of policy that encourage sustainable practices</li> </ul>
Energy	<p style="text-align: center;"><b>VISION</b></p> <p>We maximize the production and use of renewable energy for our homes, transport and public infrastructure. We embrace energy efficient buildings, practices and tools. We utilize technology for storing and sharing energy within Golden Bay.</p>
	<p style="text-align: center;"><b>STRATEGIES</b></p> <ul style="list-style-type: none"> <li>● Promote and educate the community around energy efficiency</li> <li>● Create energy initiatives where the profits are put back into the community to fund further sustainable initiatives</li> <li>● Establish community bulk buying of things (panels, electric cars, etc.)</li> <li>● Replace unsustainable energy resources with renewable energy systems</li> </ul>
Transport	<p style="text-align: center;"><b>VISION</b></p> <p>Our vision is for a transport infrastructure that enables all aspects of life in Mohua, while minimising the impact on the environment. We see a future where shared or public transport meets the needs of all of our people, active healthy transport is encouraged, &amp; our society and industries are seen as world leading in their adoption of sustainable transport solutions.</p>
	<p style="text-align: center;"><b>STRATEGIES</b></p> <ul style="list-style-type: none"> <li>● Improve transport sharing arrangements</li> <li>● Continue to enhance active transport options throughout the Bay</li> <li>● Encourage the use of renewable energy vehicles, e.g. electric, hydrogen and biofuels</li> <li>● Consume local to reduce transport</li> </ul>

Health and Well-being	<p style="text-align: center;">VISION</p> <p>Our culture supports making healthy choices for our own wellbeing. We are well supported by health services offering a range of healing options. There is quality of life for all creatures</p>
	<p style="text-align: center;">STRATEGIES</p> <ul style="list-style-type: none"> <li>● Establish the Bay as a holistic healing destination</li> <li>● Develop well-being programmes for the community that share healthy living education</li> </ul>
Creativity and Innovation	<p style="text-align: center;">VISION</p> <p>We nurture innovative thinking and are open to new sustainable solutions. We inspire others by weaving creativity and innovation into all aspects of life. The creative arts flourish in our community.</p>
	<p style="text-align: center;">STRATEGIES</p> <ul style="list-style-type: none"> <li>● Establish a hub of creative minds finding creative solutions to business/community issues</li> <li>● Support technological innovation education to enable sustainable solutions</li> <li>● Use the Creative Arts to generate a sense of reverence and connection to place</li> <li>● Use the Creative Arts as an impactful way to communicate the sustainability message</li> </ul>
Social and Community	<p style="text-align: center;">VISION</p> <p>We work together to make things happen. We celebrate diversity and care for each other. Sustainability is one of the cornerstone values of our community.</p> <p>We have a strong community and sense of community. Everyone has a valued role. There are opportunities for all. We have the services and support we need to keep us thriving.</p>
	<p style="text-align: center;">STRATEGIES</p> <ul style="list-style-type: none"> <li>● Support initiatives that promote community connections and cohesion - clubs, groups, events, festivals, community spaces, community input and ownership of strategies, plans and projects.</li> <li>● Cultivate a culture of caring for each other</li> <li>● Give youth a voice in future plans - inspire and empower them</li> <li>● Grow a community funding pool to finance new and existing initiatives</li> </ul>
Governance and Partnership	<p style="text-align: center;">VISION</p> <p>Governance is committed to caring for future generations and the environment. Leadership with integrity that invites input from the full diversity of our community.</p>
	<p style="text-align: center;">STRATEGIES</p> <ul style="list-style-type: none"> <li>● Manawhenua ki Mohua is an integral partner in governance and local decision making</li> <li>● Community leadership structure and mechanisms for enabling decision making on local issues</li> <li>● Coordinated approach to deliver sustainability projects</li> <li>● Explore new structures that inherently recognise the importance of preserving our natural environment</li> </ul>

## Key Projects

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It is not enough to dream about a sustainable future. It is important that we act. Projects are one way to help us move forward together in a focused way. They are an important part of seeing this strategy come alive. This project list represents some of the big areas that we can move forward together on. They are a great starting point. Some of the projects are already underway in our community, others have potential to help shift the way we live and work sustainably.

In pulling this list together we recognise the ever-changing nature of things. We need to be agile and nimble - prepared to drop some projects off as things change and add others on. So we see it as a living list that changes as we learn more and open up new opportunities. Which of the new projects are implemented is self-determined. Who is passionate enough to step forward and lend their leadership/support to moving it forward?

In addition to the projects highlighted below there are many more great initiatives that are already happening and still more that are proposed. These are captured in the tables in the appendix to this document. There you will find a heart-warming list of all the things that are already happening in the Bay and new ideas that could be taken forward with the right leaders and enthusiasm.

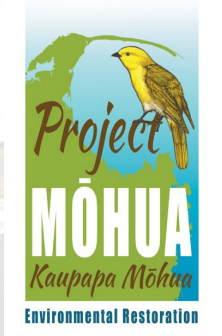
We acknowledge that projects are just one way to help effect positive change. Equally important is the sum of all of our day-to-day individual actions - the way we live and the decisions we make to sustain ourselves and our planet.



## Projects that are already underway

### Project Mohua

Projected completion Date: Ongoing



Project Mōhua is a Golden Bay volunteer initiative set up to help enable groups throughout Golden Bay to come together, collaborate and achieve great outcomes for the environment and conservation.

Project Mohua can help with project planning, finding volunteers, accessing funding applications, networking, accessing resources or providing publicity via our website and Facebook.

Golden Bay conservation projects that are under the Project Mohua umbrella are: Project De-Vine, Friends of Anatoki, Friends of the Cobb, Bird Monitoring, Parapara Valley Environmental Group, Friends of Mangarakau Swamp, Trap Lending, Streamcare.

### MR WERP: Motupipi River Willow Eradication & Restoration Project

Project Completion Date: Ongoing

The Motupipi River was our most degraded river - choked with Crack Willow and high sediment and nutrient levels (from historical sources). A collaboration of Project Mohua, farmers/land owners, Tasman District Council, Landcare Trust and Takaka Primary School is changing this. All Crack Willows have been removed, fences moved, many thousands of trees planted, and wetlands reinstated. The positive changes are happening!



### Farming 2030

Project Completion Date: 30 Nov 2024

Farming 2030 is about working together as a community to develop, and test, sustainable farming practices. It promotes a shared understanding of how farming and environmental practices can sit side-by-side for the benefit of all.

In the process it fosters a community that is better informed and unified.



## Golden Bay Affordable Housing Project

This project has the goal of building quality housing which is affordable to those on lower incomes. It addresses a significant need in our community - currently, over half of the Golden Bay population will never be able to afford to purchase their own home. The project is well underway. It has developed a well-designed housing solution and combined this with a novel approach to sourcing the land needed, to deliver its target of quality housing at a reasonable cost.



## Golden Bay Eco-Village - The Takaka CoHousing Neighbourhood Project

Project Completion Date: First village complete by end 2023, second village by 2026

This project is demonstrating a viable alternative approach to housing development, with a strong emphasis on community, sharing resources, caring for the land and building using natural non-toxic materials. The project aims to meet local needs for high quality, affordable housing and it is well underway with 14.5 hectares of residential land purchased and two 34 home cohousing villages designed and submitted to council for planning approval.

<https://www.takacohousing.co.nz/>

## Cycling Infrastructure

Date: Ongoing

There continues to be good progress on developing cycle infrastructure in Golden Bay. The developments are following the direction set by the Golden Bay Cycle Strategy.

Takaka to Pohara shared pathway ✓

Takaka to Paines pathway ✓

Paines Ford to East Takaka ✓

The implementation of the strategy is coordinated by the Golden Bay Cycle and Walkway Society.



## Farewell Wharariki Health Post Nature Trust Restoration Project

Project Completion Date: Ongoing

This ecosystem restoration project is a partnership between the HealthPost Nature Trust, DOC and Manawhenua ki Mohua, with a shared vision of creating a wondrous, accessible nature sanctuary at Farewell Spit/Wharariki. It focuses on bringing seabirds and their associated ecology back to mainland New Zealand and enabling native species to flourish by controlling predators.

As a larger employer in Golden Bay and a company that has values of sustainability and community at its core, HealthPost wants to see biodiversity restored to this iconic landscape.

This is a great example of a sustainable business that actively gives back to the land and community.



## Aspirational Projects

### Local Food Plan

The local food plan project would

- Quantify the food produced and supplied to the Bay
- Identify any gaps in food production and processing and look at the feasibility of filling these gaps locally
- Identify opportunities to shift towards more diversified, sustainable production models
- Outline areas where greater collaboration and cooperation would be of benefit for local food growers
- Look at feasibility of developing locally produced fertility inputs, in particular where these can be developed from waste streams as a means of closing the loop, eg community composting
- At the time of writing this The Local Food Shop was being launched at the Golden Bay Sustainable Living Centre. Its purpose is to strengthen the community and build resilient food systems.

### The creation of a new sustainable brand that defines the Bay

Golden Bay has a fantastic opportunity to leverage existing business initiatives to create a business brand that marks our area out as sustainable innovators. A well thought out brand will help to attract more business, like minded entrepreneurs, and expertise to the Bay.

Over time we envisage a brand that:

- Highlights the uniqueness of our approach to business
- Sets us apart as a place where business and the environment both thrive
- Rewards all of our businesses by creating demand and attracting new customers
- Creates new and interesting work opportunities for our whanau

While this is a long-term project and will take time to embed itself, getting started is key. The plan is to gather interested parties together and to develop a brand initiative modelled initially on existing branding/standards initiatives such as Red Tractor in the UK ([redtractor.org.uk](http://redtractor.org.uk)).



## Sustainability Education and Awareness Campaign

With the advent of climate change and greater awareness of our impact on the environment there is a need to expand education on being more sustainable with our actions. Bringing in greater awareness of mental health methodologies is also vitally important going forward as personal well-being is integral to sustainability.

### Objectives

Educate the community about how to lower our carbon footprint to help offset climate change.

1. A Sustainability Education series that covers growing things, business greening, energy generation and optimization, and potentially EV conversions
2. Sustainability Tour – showcasing businesses and homes with a sustainability focus. This will be both educational and inspirational!
3. Information feed on sustainable living via social media and print media
4. Provide a centralised communication point for personal well-being workshops and information sharing

## Switch to Renewable Energy

Investigate community owned renewable energy systems that feed profits back into new community projects

Encourage solar generation on commercial and council-owned buildings

Provide information that makes it easy for individuals to assess the options for renewable energy generation for their homes

## The Centre for Sustainable Education & Innovation

A long-term aspiration (developed over 20 years) is to establish an education facility focused on sustainability that attracts students and teachers from far and wide. A big goal that starts small, builds its reputation and resources over time, and ultimately grows into *The New Zealand Centre for Sustainable Living*. Our very own tertiary institution that provides our people with great education options aligned with our community's principles.

Yes, it is a big stretch goal, but just imagine how it would help change not only the Bay!

## **Empowering Community to Choose Sustainable Initiatives and Take Action**

This is a collaboration with the Well-Being Protocol team to set up an interactive system that empowers community choice and action. Essentially this is a super smart app that allows the community to capture new ideas, explore them together, then vote on which ideas are best, and allocate funding appropriately from a shared "fund" bank. It recognises that full community participation in the idea development and selection gives the greatest community buy-in and engagement - which in turn means more community support and a much higher likelihood of success. The app is sophisticated in its management of the voting process and is simple to use. The pilot will focus on ideas that support the Mohua 2042 vision and sustainability strategy, providing a mechanism that gives the community full participation in the development and prioritisation of the projects that best support our sustainable future.

## **Purpose-Owned Business Model**

Businesses that do good are an important part of a vibrant, connected community. The purpose-owned business model sits between for-profit and not-for-profit. The business legally commits to being owned by its purpose in perpetuity. The business determines a ceiling above which additional profits are used to further the deeper purpose. Essentially as profit grows the cup overflows to provide funding for community initiatives (see "Empowering community to choose sustainable initiatives and take action" above).

Reggie Luedtke, one of the trustees of Mohua 2042, has developed expertise in setting up these businesses.

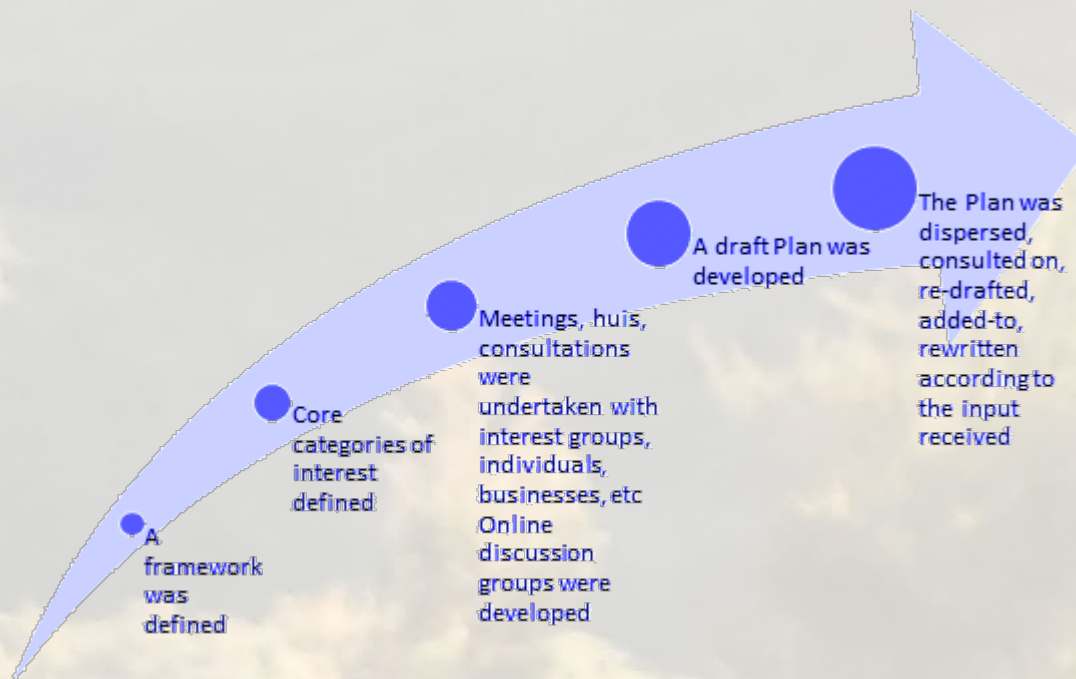
# The Story behind this Plan

At the end of 2019 a small group of people representing the arts, business, horticulture, local and national governance, finance, education, and communication started discussing what a sustainable Golden Bay would look like. Initially these discussions focused on the environment and climate change mitigation. However as talk ranged through numerous topics it became obvious that a sustainability strategy for the Bay needed to encompass every aspect of the way we live our lives.

The core group took the idea out to the wider community to test the level of interest in developing a local Sustainability Strategy. Interest was phenomenal, and diverse. A plan was devised and the community engaged!

## The Process

From the start we wanted to honour the work that had already been done. The Golden Bay Workcentre Trust had commissioned a vision document in 2002 called “*Golden Bay ... in 2022*”. This provided an excellent starting point for discussions. We studied Sustainability Strategies from other regions and countries. We held hui, gave presentations and developed an online tool to gather grass roots input and to understand what mattered most to the community. How did we, the people of Golden Bay, want Golden Bay to look in 2042? We looked at other regional and national strategies including Te Taihū Intergenerational Strategy, Kotahitanga me te Taiao Strategy and Tasman District Council vision and strategy documents.



The result is this living, changing document, designed to capture the ideas of the community and to provide:

- a summary of what could be,
- a direction on how to get there,
- a celebration and collation of what is already going on,
- a reference point for ongoing decision making

## What we found - the short version

The key findings of the process thus far were that:



## Where to from here?

This is where the collective power of working together comes into play.

To really make this strategy come alive, we need to gather our collective energy and enthusiasm behind the initiatives that excite us. For each of us a different project will resonate most strongly.

The core strategy team are planning a series of facilitated forums – each looking at a different theme or project that has been highlighted in this strategy. If you are keen to be involved please email [Mohua2042@gmail.com](mailto:Mohua2042@gmail.com).

*By working together we can leave Golden Bay in a better state than when it was placed in our care.*

# Measuring Success

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Establishing a credible measurement regime is a major piece of work which will require funding to complete. There is plenty of good work to build on though. There has been some excellent work done by the Te Taihu Intergenerational Strategy on adapting Wellness measures from Treasury to be more specific to our region. The Climate Action Network is working on regional measurements that track carbon footprint reduction. The Golden Bay Sustainable Strategy team plans to work with these organisations to share regional measurement data and to identify where it is possible to make those measurements specific to Golden Bay. In the meantime we will track our delivery against this strategy and the key projects that support it.

The following is a list of potential Key Performance Indicators (KPI) that give a measure of our sustainability as a community:

1. Community Carbon Footprint - there are some good tools available to calculate carbon footprint at an individual level and Council is considering work to extend these to a community level.
2. Waste reduction – we envisage working with the council to set waste reduction targets and monitoring these through the data recorded at the Golden Bay tip and other waste collection statistics.
3. Water and Air quality measurements
4. Species richness counts – as a measure of biodiversity
5. Te Taihu well-being and equity monitors
6. Number of carbon zero and/or sustainability accredited businesses
7. Renewable energy generation in Golden Bay as a % of the total energy used in the Bay
8. Number of EVs per capita
9. Number of farms in GB that are accredited as organic or regenerative. At the time of writing an organic certification programme is well established, while a regenerative certification programme is still just conceptual.

# Healthy Ecosystems

Our natural environment is healthy, bio-diverse and something we treasure. Nestled between two National Parks and the sea, our community nurtures our valuable place. We are proud of our healthy soils, clean air, clean water, and abundant wildlife.



## Key Strategic Areas

- Expand our focus on the care, protection and restoration of our environment.
- Reduce the use of persistent toxins and develop expertise to remediate historic toxic sites
- More celebration and visibility for good stewardship.

### We are already doing these things....

We are blessed with beautiful natural treasures, many of which are protected as parks and reserves. These include:

Kahurangi National Park, Abel Tasman National Park, Farewell Spit (Ramsa status), Arthur Marble Aquifer, Waikoropupu Springs (Water Conservation order in progress), Mangarakau Swamp, Milnthorpe Scenic Reserve and Arboretum, Tonga Island Marine Reserve, Paturau Marine Reserve, Whanganui Inlet, The Grove Scenic Reserve, an incredible network of caves throughout the region.

There are a number of active conservation groups/projects that focus on protecting and regenerating our natural treasures and controlling pests.

These include:

Project Mohua <https://projectmohua.org.nz/> , [Forest and Bird](#), [Project Janszoon](#), [Project De-vine](#), [Penguins Trust](#), [Friends of Golden Bay](#), [Health Post Nature Trust](#), Tata Island trapping programme, Milnthorpe Trust, Friends of Mangarakau Swamp

There are 35 registered Conservation groups in Golden Bay

[Aore catchment project](#) where a number of farms planted their riparian strips in trees. A growing number of farms around the Bay are voluntarily riparian planting their smaller waterways.

### These are our gaps and opportunities.....

#### Theme A: Protect and Restore

- Bioregion-wide wildlife corridors, from the mountains to the sea, are created and maintained. Water catchments are restored to a healthy state
- Sediment reduction in the marine environment - look for inspiration from the Kaipara Harbour Model
- Restore the biodiversity of our marine environment by constructing artificial reefs
- Lake Killarney is returned to a healthy state and protected
- Manage pests (plants and animals) in a way that supports nature
- Levels of human-caused nitrates in the natural environment are known, very limited and controlled.
- Community connection and collaboration with landowners
- Everyone making a living from the land and from animals in Mohua does so in a sustainable, humane, and environmentally friendly way. The community actively supports our growers and farmers to do this. Infrastructure to support farmers is also local, eco-friendly, innovative and cost effective
- There is ample funding available to support voluntary and community endeavours to protect,

## We are already doing these things....

Many individual riparian plantings along waterways.  
Community riparian planting working bees.  
Reconstructed wetland projects.

[EKOS](#) – assists regenerative forest programmes by connecting them with carbon credit opportunities.  
Project Rameka is a good example of a carbon forest managed in this way.

Bore water is good quality

FLAG – a diverse group providing council with [recommendations on Fresh Water Management](#)

Rural Water tanks in place for water storage

Healthy Burial options

TDC contracts regular [fresh water monitoring](#) for nitrates, E Coli

Government stimulus packages support job creation in areas that support our environment

[Earth Guardians](#) – youth who actively work to ensure a more sustainable future

Dark sky reserve

[Flyways project](#) – international initiative to better understand migratory patterns for birds

## These are our gaps and opportunities.....

restore, and enhance natural environments in Mohua as well as income earning endeavours.

- Trust and transparency around monitoring water quality
- Encourage the protection of more privately owned native bush and special landscapes e.g. QEII covenanted land

### Theme B: Reduce toxins

- Replace the use of toxic herbicides for council roadside/parks/riverside spraying with less toxic and more environmentally friendly practices
- Toxic sprays phased out and healthier alternatives implemented.

### Theme C: Celebrate good stewardship

- More visibility for good stewardship

We live within the means of this ecosystem.

Vibrant healthy waters - the life-blood of our home

Our environment is our super power, it lends us strength, resources, wealth and health

All the people of Mohua living in harmony with nature

“Environment” is one of the guiding factors in every decision we make

# Responsible Consumption and Production

We have locally-produced, nutrient-rich food that meets the needs of people and all life. We grow food that is suited to our climate and uses environmentally sustainable methods. We keep the poop in the loop! We have local processing infrastructure that adds value locally. We use our buying power to support eco-friendly practices. We refuse, reuse and recycle.



## Key Strategic Areas

- Encourage uptake of farming and forestry systems that focus on soil health and sustainable practices
- Create a local food plan that supports local food resilience to meet the needs of the community
- Implement practical initiatives to minimise waste.
- Encourage marine farming and fishing that is ecologically sustainable.

### Meet Dean

Dean wakes up early on his regenerative farm and grabs a quick cup of locally grown green tea while enjoying the view of the Kahurangi National Park. He collects the dogs and jumps on his hydrogen-fuelled quad bike, off to bring the modest dairy herd of 250 in for milking. Youth apprentices, Johnny and Ed, are already in the methane-powered milk shed ready for milking while listening to good music from a local funk band they saw at a local bar the previous week. The lads take the cows back out to the next multi-species pasture in the rotation that includes mixed fodder tree species hanging over the fence lines for the cows to enjoy greater food diversity. Dean in the meantime moves the flock of specialty bred organic chickens into the pasture grazed three days prior, where they spread the manure evenly across the pasture improving soil health and enabling him to diversify his farm operation by supplying the local abattoir with chickens and eggs for the local market. He then heads to the cropping paddock, part of the diverse farm rotation, and does some weeding with his methane gas flame weeder. Johnny and Ed take over while Dean and his wife, Jen, complete the day's harvest of seasonal vegetables for the farm shop. Bang on 9 am the first customer comes on their converted biofuel vehicle to get their milk from the automated milk dispenser. A steady stream of bikers and customers who carpool arrive also to purchase a wide range of produce produced on farm and from the neighbours. Next door one of the many food forests, run by a young couple passionate about their permaculture lifestyle, complement the farm shop with fruit and nuts. Cloth bags upcycled by Jen are on hand for customers to use to take produce away. Many customers come on community work days to help these farms and end the day with an enjoyable communal feast with home-made cider and kombucha to wash it down.



## We are already doing these things ....

A culture of growing our own food and many organically

### GB Sustainable Living Centre:

Community gardens with allotments to grow organic food

Organic horticulture - [Kokalito Fine Foods](#), [Puramahoi Fields](#), [Parapara Organics](#), [Bay Subtropical](#) (part)

Other producers- Rockworld, Kiwifruit and avocado orchards.

Local honey

Biological Farming – Kinsey-Albrecht method. Focuses on optimizing soil health using natural fertilizers. Practised on around 20 farms in the Bay

Open days to various local organic farms/gardens to educate the public

Farming field days that allow each to learn from the other.

Farming 2030 project – community and farming collaboration trialing different environmentally sustainable practices on a pilot farm

Kervella Cheese – top quality ingredients, innovative artisan cheeses. Sustainable ethic

Ellis Creek Meats – uses environmentally sustainable and ethical production systems

Georgie Moleta – local homekill

No packaging frozen food balls

A number of our cafes have sustainable practices in place – buying local, organic, minimizing packaging

Bacca Bakery co-ordinating growing of local grain for their flour needs.

Ekos – now offering carbon zero farm certification “Toitu”

Carbon credits for Riparian Planting advice from Ekos

Honest culture that embraces end-of-the drive food stalls for surplus produce. Local market(s) selling locally produced goods.

## These are our gaps and opportunities ....

### Theme A: Sustainable farming and forestry

- Embrace farming practices that nurture soil health and water health
- Base land-use choices on land capability and rainfall
- Polyculture farming as opposed to mono-culture. Diversified agriculture production e.g. dairy, beef, sheep, poultry, timber, tree crops, grain, and crops
- Commercial scale hemp production and processing
- Agricultural Hui - farmers sharing sustainable practices – successes and failures - with other farmers
- Hemp Hui – bring together experts from across the country

### Theme B: Local Food Plan

- Cooperative food growing initiatives in each locality e.g. Rototai, Rangihaeata, Collingwood...
- More productive home gardens
- Plant fruit and vegetables in parks and streets. Open orchards. Food sharing/pataki kai - like stalls but safe against theft
- Community compost system for commercial food waste and/or household green waste
- Community grain threshing and grain processing plant
- Community juicing facility
- Community woodland for growing timbers for natural building
- Currently limited local food production. Buying local food becomes the norm. Contract a local food auditor to evaluate market potential. Local food plan developed to diversify the local agriculture sector. Ongoing monitoring
- Make it affordable for local businesses and consumers to keep food produced here. Barter system, niche marketing
- Affordable organic/sustainably produced local produce/products
- Local aquaculture processing facility and retail outlet with fish, shellfish etc
- Wild caught food market/outlet

### Theme C: Minimise Waste

- Develop alternatives to municipal sewage treatment e.g. permit scaled-up composting
- follow Taranaki’s example and utilise bacteria off ponds, dehydrate and use as fertiliser
- Separate urine, faeces and grey water. Urine as a fertilizer
- Clothes sharing and upcycling
- Alternative to plastic wrapped baggage
- Reuse “rubbish” for building e.g. fence posts made of recycled plastic, insulation made from recycled material, ecobricks, tyres et al.
- Reduce packaging on imported goods?

### We are already doing these things ....

Local organic shop that has packaging free options

Fresh Choice Supermarket. Some organic food and local products.

Three recycling stores offering inexpensive clothing and household gear (Trash Palace, TDC Refuse Shop, Hospice Shop)

Hempshire and Kohu Hemp are exploring hemp as a regenerative crop for soil health, human health and healthy buildings.

Rebikle – upcycling bikes so they are back on the road working beautiful and available for families that need them.

### These are our gaps and opportunities ....

- Responsibility for dealing with our own soft plastic waste (other than reducing) e.g. eco-bricks-packed with tiny clean soft plastic, then used in construction.
- More recycled or non-plastic bags are available.

#### Theme D: Sustainable Aquaculture

- Seaweed farming - either alongside farming or by mussel farms

Our food is healthy and vibrant.

Regenerative farming, organics, multicrop produce is the norm here

Things are designed to last and are repairable

Plastic is limited to long use items that are recycled

Surrounded by abundance

Our beautiful local food forests help feed our community and inspire others.



# Work and Economy

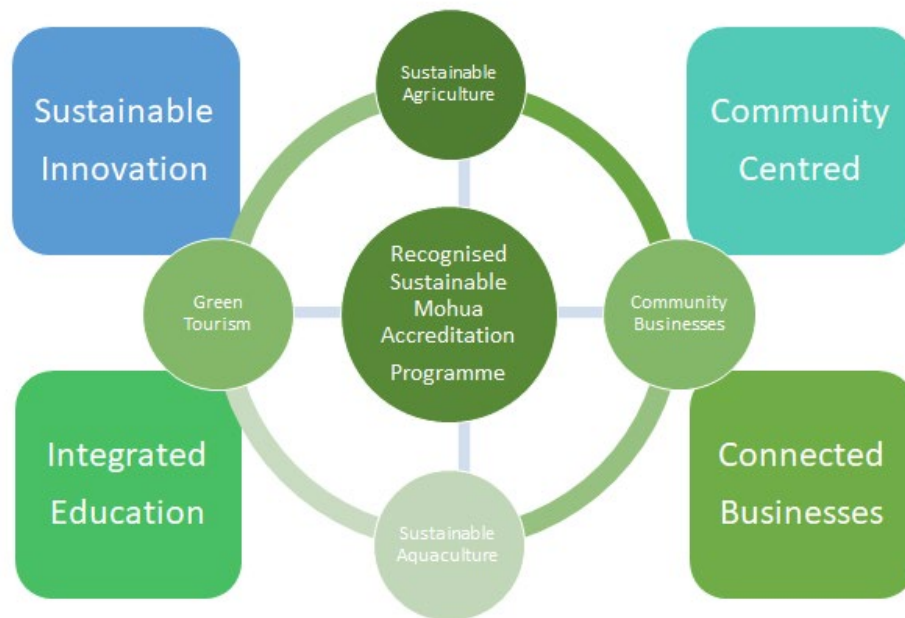
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A flourishing, and diverse economy that is founded on the natural gifts of Golden Bay. We envisage an eco-system of interconnected businesses derived from our core pillars – agriculture, tourism, and aquaculture – that defines Mohua as a leader in sustainable health and wealth, and provides future generations with a place to learn, thrive and grow.

## Key Strategic Areas

- Creation of a Mohua/Golden Bay Sustainability Accreditation Brand
- Increasing emphasis on moving our core pillars, Agriculture, Tourism and Aquaculture, to a sustainable basis and up the accreditation process
- Community based businesses to be encouraged
- Develop collaborative relationship between local business and the education sector





### We are already doing these things ....

There is a culture of 'protect and preserve' in the local businesses that bring visitors to enjoy Golden Bay's natural wonders e.g. Farewell Spit Tours, Golden Bay Kayaks, Kahurangi Guided Walks, Hack 'n Stay, Sustainable Living Centre

Many of our local businesses consciously employ sustainable practices

e.g. Health Post, Wholemeal Café, Dangerous Kitchen, Mussel Inn, Kervella Cheese, Ellis Creek Meats, Little Greenie, Kokolito, Parapara Organics, Puramahoi Fields, Bay Subtropicals, Zen Tech, Sustainable Living Centre, AES Wastewater Systems, Arohanui Apothecary, Tiny Life Style, Tui Massage Balm, RSC, Flower Power Honey, Courthouse Cafe, Climate Love, Golden Bay Kindy, GB Community Health Centre organic kitchen garden, Colovaria Hair Salon

A number of businesses have moved away from disposable plastic packaging or have reduced plastic usage by break-bulk purchasing e.g. the Organic Shop, Health Post, Supermarket, cafes that allow you to bring your own cup, cafes that worm farm or compost waste

We have 'Hands' - expand use of local currency into businesses

## These are our gaps and opportunities ....

### Theme A: Creating the Sustainable Mohua Brand:

- Got to tell a new story that all can say “aha” to!
- Golden Bay “sustainable” brand - including for dairy
- Look to create a ‘Little Red Tractor’ type brand
- Be led by Doughnut Economics model
- More businesses that are carbon zero certified and/or employing as many sustainable practices as they viably can.
- New businesses that build on our sustainable ethos – e.g. sustainability tours, sustainable living education, production of commercial quantities of inoculum, local compost production, technology solutions for efficiency, traceability, eco-tourism
- More people connected to the land and nature
- Local promotion of local businesses
  - Cohesive integrative health promotional strategy - the Bay has such a wealth of talented healers - could be seen as a healing destination (great healers, pristine environment!).

### Theme B: Acting Local/Community Centred Business

- Culture of producing and buying locally
- Public banking (non-private money production where the profits return to the community)
- Encourage businesses set up on the Perpetual Purpose Trust basis
- Retirement villages/hospices
- Bottled water run by the community using sustainable practices with profits back into the community
- Systems to compost/recycle bioplastics
- Community-owned electricity grid where contributions of power and consumption of power is tracked and traded
- Build a timebank
- Subsidise wwoofing by locals for locals - creates community and transfers knowledge
- Small businesses providing for community needs
- More food grown in the Bay
- Local businesses encouraged to use resources from other local businesses first
- More cooperative businesses (e.g. Tui Balms)
- Creating a culture of generosity - sharing abundance
- Create a minimum universal wage in the Bay
- Well-paying, stable jobs for all
- Interesting, innovative businesses that retain (or return) our kids in the Bay

### Theme C: Green Tourism

- “Dark Sky” events - tourism opportunity that makes the most of our amazing starlit nights
- Could GB Coachlines and Golden Bay Air do a “keep our region beautiful” speech for visitors that come to Golden Bay? It could highlight what we are aiming to achieve as a region in terms of sustainable practices and give some pointers for how visitors can support that
- Golden Bay “What’s On” online list
- Create an Art Tourism sector
- More craft based industry

### Theme D: Integrated Business and Education

- An education infrastructure that supports sustainability industries and creates a workforce with the skills and the innovative mindset that will help us grow our businesses
- Create a publicly available directory of businesses with ethical, sustainable practices so that consumers can make informed choices
- Begin the idea of local economy in schools
- Focus on permanent well-paid jobs for young adults - apprenticeships in needed areas

### Theme E: More Sustainable Agriculture

- We need to move our agriculture sector onto a more sustainable basis

- Establish the Mohua brand and encourage all of our farming community to adopt better practices and move up the sustainability accreditation ladder

### Theme F: Sustainable Aquaculture

- We must ensure that our growing aquaculture industry adopts sustainable best practice
- Establish the Mohua brand and encourage all of our aquaculture community to adopt better practices and move up the sustainability accreditation ladder

Bright inviting future here for our children

Thriving economy exists within a thriving environment

Conscious business practices

Thriving local economy based on innovative ecologically sound ventures

Creative people making art and enjoying great health and wealth

Nature has a seat on board of directors.

Our environment is our super power – it lends us strength, resources, wealth and health

We thrive between social limits and planetary limits

# Education

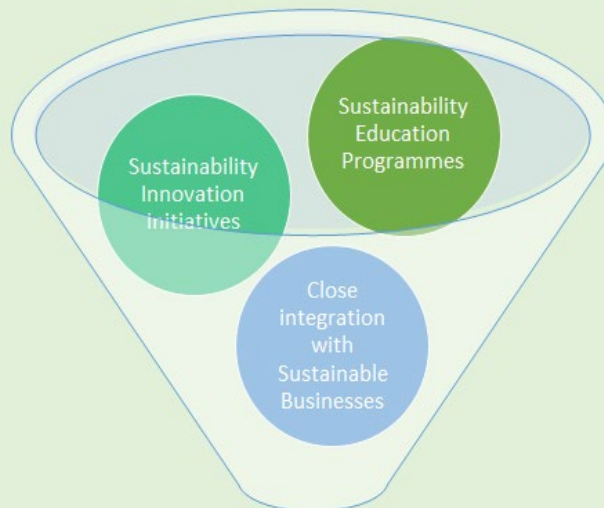
Golden Bay prides itself on lifelong education for all people. Education programmes are innovative and practical leading to best practice and sustainable solutions. Education supports connection to self, other and nature.



## Key Strategic Areas

- Establish Mohua as a hub for sustainability education.
- Enable more holistic education opportunities for young people.

## The Centre for Sustainability Education & Innovation 'Mohua's Sustainability Incubator'



Developing skilled individuals  
Spinning out new sustainable business innovations  
Developing best practice sustainability  
Attracting talent to the Bay

## A day in the life of education Mohua style ...

It is a lovely sunny spring morning and Chloe and her classmates at Primary School head outside to see how their compost is developing and to plant vegetables in the school's organic garden. All the classes take their turn to experience how to grow and nurture the school crops and Chloe is particularly excited this morning as it is her class's lettuce that will be sent to the Community Health Centre to be used in their lunchtime salads.

Meanwhile just across the fence at the Sustainable Living Centre a business innovation meeting hosts Joe, a dairy farmer from near Bainham, and a bunch of his fellow farmers. Georgia, a visiting soil health specialist, is discussing the latest research and working with Joe and his peers to identify where next with the Bay's soil improvement programme. Lively discussion leads to an agreement to trial some sites on Joe's farm, and to undertake funded research into the relationship between soil health improvements and milk solid outputs.

At the High School Year 10 are also heading outside as they begin a term-long exploration of eco-tourism that is being coordinated by a group of local green tourism businesses. Ursula and her friends are really looking forward to the first outing which involves a trip to the Marae to get first-hand experience of the new cultural education programmes that have just been introduced there.

That evening, Mary and Jack, who are retired and living at Patons Rock, attend their regular monthly 'sustainability at home' session at the Takaka Community Centre. Last month the 30 or so regular attendees heard from a local expert on water conservation at home, and tonight Mary and Jack are presenting their new waste reduction ideas.

### We are already doing these things ....

Early Childhood education that connects youngsters to their natural environment for play and learning

Enviroschools and other environmental education opportunities

Gardens in schools – programmes where the students plant, nurture, harvest, prepare and eat the food

Te Reo Maori is embedded into Takaka Primary curriculum and included in other schools'

DBT in schools, mindfulness & emotional resilience

Community connectedness with schools - mentoring programme

BOT of GBHS adopting sustainability strategy

A growing number of spiritual programmes that connect mind, body and spirit. A natural spin off from this alignment is a deeper

### These are our gaps and opportunities ....

#### Theme A: Mohua is a hub of sustainable education

- The whole of GB as a learning ground - Ecovercity with actual practitioners as teachers. A polytechnic without walls set up with its own system of accreditation and an abundant economy generator
- Colab for experts to train one another - this gives them credits to learn from others

#### Theme B: Holistic education for young people

- An education programme that encourages student-led learning.
- Include social/political/personal development in school curricula
- Humane education (empathetic, compassionate relationships and care for all living creatures) is taught in schools, in alignment with the NZ Curriculum. Using humane education resources from the NZ SPCA, SAFE, TeachHeart, and others including The Peaceable Kin-dom.
- Whole community hui to consider how our schools can respond to our wishes/needs/vision
- Bringing in people from the wider community into schools to share their knowledge and skills. Cross-generational mentoring.
- Further extension of education beyond the classroom and into the community and environment as "place-based" education.
- Practical skills for children - how to - simple gardens, construction, DIY. Hands-on learning.



## We are already doing these things ....

connection to the earth. These are offered by established communities (e.g. Anahata Yoga Retreat, Shambala), as part of festivals (e.g. Luminare), by individuals or as one-offs by visiting teachers.

Living by example

Well-being classes e.g. Possibility Management, Art of Living Breathwork, Yoga training

Golden Bay Workcentre Trust - Youth education, adult education classes and community development

[Sustainable Living Course](#) – a 10-12 week programme covering all aspects of sustainable living.

Mohua Social Services- Parenting courses.

U3A offers ongoing learning and exchange of ideas for adults

[Tui tree field events](#) (a wide range) operation including PDC, Earth-Spirit, Tides/Tracks rites of passage

Sustainable GB Hui – a weekend of inspirational talks and workshops on different aspects of sustainability

## These are our gaps and opportunities ....

- Government incentives for apprenticeships for hands-on learning of skills and practices in sustainable building, farming etc
- Education caters to a range of learning styles and techniques.
- Recognise diverse academic needs - not just good grades
- Te Reo Maori and the Maori value system is integrated into the education system
- Teach critical thinking and research skills
- Promote compassionate communication workshops especially for students, parents, and educators. Teach values such as respect, kindness and compassion for all beings.
- Sustainability-focused education through all topics.
- Students have opportunities and choices outside of the mainstream system
- Teach children to understand the complexities of local government and central government, trusts, meeting procedures etc

### Theme C: Integrate education into local business

- An education infrastructure that supports the development of sustainable industries and creates a workforce with the skills and the innovative mindset that will help us grow our businesses
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### . Theme D: Educate about Sustainable Practices

- Educate about interconnection and interdependence of all living beings and earth - what we do to the Earth and other animals we do to ourselves (humans)
- Emotional development skills. self-care/good health
- Teaching about carbon footprint and reduction, consequences to lifestyle
- Educate people to use technology to implement sustainable ideas e.g. electric car conversion
- Educate residents on waste minimization e.g. reduce, reuse, recycle.
- Ways to share “no plastic” tips across the community to help us all reduce disposable plastic use
- Workshop on making your own non-toxic cleaners, garden sprays etc.
- Educate people about why organic food is more expensive. Conventionally grown food is cheaper because it uses unsustainable practices e.g. pesticides and inorganic fertiliser, which have a long term detrimental effect on the health of the soil. In Europe the environmental cost of these practices is factored in as a pesticide tax.
- Open days to various local organic/biological farms/gardens to educate the public

### Theme E: Lifelong Learning

- Lifelong learning opportunities e.g. evening courses in food/cooking
- Opportunities for lifelong learning especially for the elderly in physical, emotional, spiritual well-being, including to overcome isolation.
- Skills shared amongst people locally as well as bringing in experts from other places to share.
- Specialist hubs

Mohua is an internationally acclaimed centre for sustainable education

Ecoversity

The school curriculum teaches values and social skills.

The connection between all beings and nature is emphasized

Creates a workforce with the skills we need here



# Built Environment

Good quality, healthy affordable homes for all residents. Well-developed infrastructure that utilizes sustainable technology and is resilient to weather the challenges of climate change. Safe roads and interconnected cycle and walkways. People-focused townships.



## Key Strategic Areas

- Develop permanent affordable housing solutions
- Establish an interconnected active transport infrastructure
- Employ sustainable practices for commercial/community buildings, new developments and council infrastructure.
- Move to natural, non-toxic, eco-friendly homes
- Work with council on areas of policy that encourage sustainable practices

### We are already doing these things ....

Affordable Housing Project – an initiative to provide low cost rental and rent-to-own housing options.

Tiny Lifestyle - a natural building company producing non-toxic houses from sustainably sourced timber.

Electric charging stations – enabling the use of electric cars and bikes is an important pillar in reducing carbon emissions. Takaka currently has one electric car charging station and a proposal for some electric bike charging stations.

Mohua Ventures – development of an eco-village using natural building techniques, passive solar design, permaculture principles for landscaping and water management. <https://www.takacohousing.co.nz>

Active Transport Infrastructure – Golden Bay has a clear strategy for the development of cycle and walkway infrastructure that is being actively managed.

Flourishing community gardens and allotments at the Sustainable Living Centre

### These are our gaps and opportunities ....

#### Theme A: Affordable Housing

- Work with council to enable and encourage cohousing initiatives.
- More ability to create family, farm community living e.g. multiple dwellings.
- Re: rentals - have a register of 'ethical' landlords
- Permanent affordable housing

#### Theme B: Active Transport Infrastructure

*(this is covered under the transport category)*

#### Theme C: Apply Sustainable Practices to Infrastructure

- Municipal Sewage system – is there potential for the municipal sewage system to embrace more ecologically friendly options (Mike Savage's work) or to add value (turns the poop into fertilizer for plants and land) as Taranaki does (<http://www.bioboost.co.nz/how-it-is-made/>).
- Work with council to incorporate permaculture design principles in new subdivision design – this will improve the flow of water and nutrients from

## We are already doing these things ....

Community Hubs - places where community comes together –village green, community halls, playgrounds, recreation centre, cinema, theatre

Golden Bay Housing Trust – providing affordable housing for low wage working families bringing up their children in Golden Bay.

Extensive use of water tanks for household water supply

**Little Greenie** – design and construction techniques for a highly energy efficient home. Little Greenie was the first home in NZ to receive a 9 star HERS (Home Energy Rating).

A culture of upcycling clothes – Trash Palace and the Hospice shops are thriving, with generous donations of clothes et al and plenty of patrons

Housing for elderly e.g. GB Community Health Resthome, Abbeyfield

Living Wood Fair - forum for industry changing ideas and discussions

10m2 builders - non consented, sleepouts only

Kohu Hemp is using locally grown hemp to build healthy homes and regenerate soil. Hemp home are energy efficient, low carbon, fully recyclable and competitively priced.



## These are our gaps and opportunities ....

new building areas, leading to improved soil health, and less storm water infrastructure

- A water tank for every house,
- Reduce the amount of firewood by supporting energy efficient log burners
- Use locally grown materials, composting toilets,
- Council and commercial buildings fitted with solar panels for energy production

### Theme D: Natural Homes

- Establish planted forest with timbers suitable for natural building by future generations.
- Work with council to get pre-approval for certain timbers for different uses that do not require toxic treatment, to make it easy to pass through regulations and code when constructing a natural building
- Hemp - a natural building material

### Theme E: Council Policy

- Work with council to enable and encourage eco-friendly sewage solutions such as composting toilets – this reduces the load on the sewage system and closes the nutrient cycle household by household.
- Work alongside council to help people back from being outlawed with a dwelling (retrospective permitting)
- Natural building becomes recognised by council - e.g. it's easier to use recycled materials without consenting each piece of wood
- Council follows Christchurch's example of endorsing tiny home villages to ease the affordable housing crisis
- Council adopt Robina's sound proposal for 'Owner built' homes re permit exemptions

Affordable housing for all

Cycle trails

Non-toxic healthy homes

Well-developed infrastructure that encourages sustainable tourism

# Energy

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We maximize the production and use of renewable energy for our homes, transport and public infrastructure. We embrace energy efficient buildings, practices and tools. We utilize technology for storing and sharing energy within Golden Bay.



## Key Strategic Areas

- Promote and educate the community around energy efficiency
- Create energy initiatives where the profits are put back into the community to fund further sustainable initiatives
- Establish community bulk buying of things (panels, electric cars, etc.)
- Replace unsustainable energy resources with renewable energy systems.

## We are already doing these things ....

There are many examples of existing renewable generation in the Bay including:

- Pupu Hydro – this is a community run power scheme with an average annual energy output of 1.8GWh
- Cobb Dam
- Private hydro schemes
- Home solar schemes – an estimated 150 homes have home solar systems installed in the Bay. This is nearly double the national average per capita

Energy efficient homes:

e.g.. Little Greenie Hideaway, several earth buildings and many homes built to utilise passive solar

Tasman District Council through Website, Newline and Environmental Education Officers educating public about [energy efficient homes](#)

## These are our gaps and opportunities ....

### **Energy Conservation**

Promote energy reduction in all forms through education - impartial energy advice/audits for reducing carbon footprint, consumption/ retrofit options, etc.

Use less. Share e.g. carpool, tool share.

Reduce energy requirements via energy-efficient design of homes and offices e.g. passive solar and heat storage, and energy-efficient wood burners.

Large scale home photovoltaic systems linked with the main grid. Power electric car (save on fuel).

Heat pump for home heating so don't burn firewood (reduces carbon emissions). Payback 12-15 years.

Lasts 25 years.

Encourage leading edge uptake of electric cars that can import and export from your home generation system – thus providing your home battery. Seek subsidies.

Energy neutral irrigation systems - ram pumps, gravity feed.

Simple modular solar systems.

Affordable start-up loans for alternative energy systems or chance for private investment.

More energy experts offering green energy audits to improve energy efficiency, including production systems and waste recycling.

### **Community Owned Energy Systems**

Community owned renewable energy generation projects like Pupu Hydro. e.g. Bulk Solar systems.

Build more micro-hydro systems that support localised consumers e.g. Onekaka, Parapara dam, Aorere (by bungy jump/15 Mile Creek). Use profits to fund other sustainable initiatives as Pupu does.

Community buy in bulk e.g. PV systems.

Investigate the use of microgrids to allow energy sharing between neighbours. Buy back rates for surplus energy from home generation are currently very low so don't encourage more home-based divested infrastructure.

Lobby government/energy supply companies to increase buy-back rates.

Create a network of decentralised power production with battery banks - interconnected-intelligent-evening joint energy demand and cover out?

Blockchain for tracking off grid - tracks power added and consumed (Stanford research).

Green Power House - produces electricity from a closed loop system using wood waste to produce biochar and heat - which in turn grows algae which is combined with the biochar to make a powerful soil amendment and produces electricity as a "side product".

### **Alternative Energy Systems**

Investigate what is working elsewhere e.g. carbon cell batteries.

Replace coal for energy production in the Fonterra factory with renewable alternatives.

Apply appropriate energy systems to all business buildings in Commercial St. Linked together like one system e.g. Nimbin Rainbow Power.

Business moving to solar, electric cars, low emission vehicles, electric tools etc

### **Hydrogen Cell**

Hydro power system could be electrolysed to create hydrogen. Becomes a 'spin-off'. Limiting issues technology and inefficiencies. Balance fertiliser are doing this in Tauranga using wind power - then run transport fleets like Sollys.

**Storage**

Investigate efficient and environmentally friendly energy storage systems. Old electric car batteries can be refurbished and used as storage systems.  
Hemp batteries (graphene).

**Biofuel**

Dairy effluent/ sewage/ vege waste to methane for low temperature heat recovery.  
Forestry slash to fuel - solid fuel pellets or biogas or biochar+heat generation.

**Incineration**

Explore possibilities of waste incineration and resource recovery (e.g. overseas municipal incineration power stations e.g. Denmark).



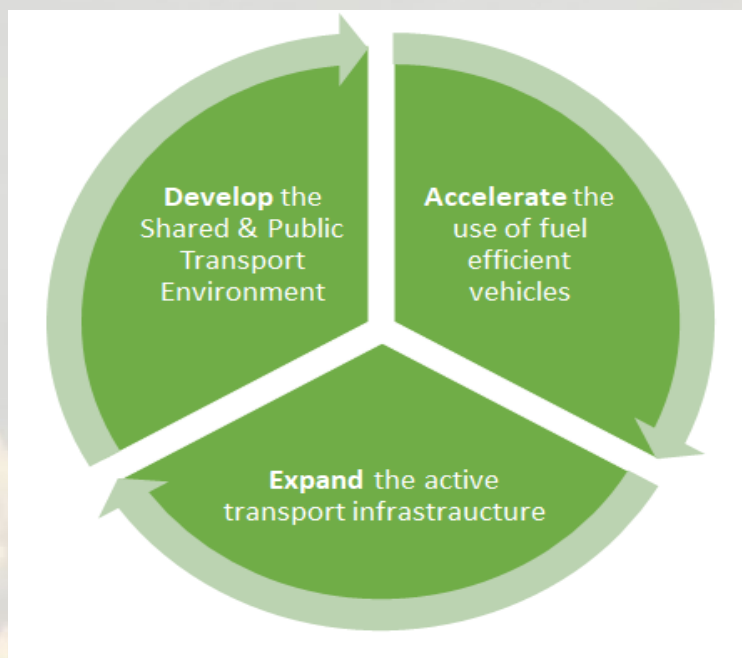
# Transport

Our vision is for a transport infrastructure that enables all aspects of life in Mohua, while minimising the impact on the environment. We see a future where shared or public transport meets the needs of all of our people, active healthy transport is encouraged, & our society and industries are seen as world leading in their adoption of sustainable transport solutions



## Key Strategic Principles

- Improve transport sharing arrangements
- Continue to enhance active transport options throughout the Bay
- Encourage the use of renewable energy vehicles, eg electric, hydrogen and biofuels
- Consume local to reduce transport





## We are already doing these things ....

Embracing electric cars and electric bikes – Golden Bay residents have been fast on the uptake for electric cars.

Shared transport – we have pockets of established shared transport  
e.g. the rural omnibus, a culture of ridesharing promoted by the hitching posts and online ride share sites, the Wrinklies bus, Golden Bay Coachlines, Culture of car pooling

Solly's trucking fleet - fuel-efficient technology

Council owned electric cars for staff travelling in the region

Great progress on active transport infrastructure with new and planned cycle and walkways

## These are our gaps and opportunities ....

### Theme A: Shared Transport

- Establish an efficient public transport system between main population centres
- Extend fuel efficient/electric approach to the GB bus system
- Build a more formal and accessible transport sharing network
- A share taxi for going to work
- Sustainable and regular group transport over the hill
- More walking paths in the Bay

### Theme B: Active Transport

- Expand the cycleways
- To Collingwood and beyond
- Build lots of new cycle networks - Heaphy/Puoponga, Connect to Nelson via boat
- Build more walkways in the Bay
- Establish a bike sharing scheme

### Theme C: More efficient fuel options

- Focus on replacing petrol and diesel vehicles with more efficient fuels
- Infrastructure for electric vehicles that enables more flexibility and use by having more charging opportunities. Could be a win/win approach – individuals with home generation offering electric charging for a fee?
- Hydrogen/Electric option for commercial boat fleet. More environmentally friendly and quiet. Hydrogen cells in freight vehicles e.g. Solly's
- Practical workshops on converting your current petrol car to electric
- More EV charging stations
- Use of plugshare to identify where vehicles can be charged
- Public e-buses - frequent and small
- Greater use of biofuels - 10% blend means 10% less CO2

### Theme D: Keeping it local

- Co-owned or community owned electric vehicles
- Create work and culture activities that are more localised with each other
- Local reuse of vehicles - sell/buy
- Establish a resilient transport plan in the event of a disaster

Walkways in open farmland & private land to allow people access to walk the land. Take pressure off national parks and promote taonga image for all land

Cycling and walking is the default – driving is tolerated

Fossil fuels are hardly used

# Health and Well-Being

Our culture supports making healthy choices for our own wellbeing.

We are well supported by health services offering a range of healing options.

There is quality of life for all creatures



## Key Strategic Areas

- Establish the Bay as a holistic healing destination
- Develop well-being programmes for the community that share healthy living education.

### We are already doing these things ....

[Golden Bay Community Health](#) Centre - integrated family health centre that offers a range of primary, secondary and tertiary care.

[Te Whare Mahana](#)

Aroha Health Spa

Golden Bay Health Centre and other independent Holistic Healing practitioners - neurolink, massage, naturopathy, cranial sacral, ortho bionomy, kinesiology, zero balancing, access bars, etc

[Golden Bay Animal Welfare Society Inc.](#)

[The Peaceable Kin-dom](#) Trust: Animal rescue, care, rehoming+sanctuary / permaculture / education for integrative health of humans and other animals, and humane, mutually beneficial relations amongst them.

### These are our gaps and opportunities ....

#### Theme A: Well-being programmes

Golden Bay residents and visitors have easy access to information and resources that empower them to enhance their own and their family's and animals' health and well-being.

Invited experts share knowledge and healing from a diverse range of healing modalities.

Establish support groups, expert training, and mentoring

#### Theme B: Good Health Services

- More funding is required to adequately support the mental health work done here in the Bay
- Integrative healing hub. A full range of health maintenance resources and treatment options including conventional (allopathic), holistic, functional, and integrative approaches.
- Community that values health professionals in order to recruit and retain appropriate practitioners
- At risk kids and adults - work with animals for mutual trust and compassion building. Animal-assisted therapy for hospital and rest home residents and other isolated adults, especially elders, in the community

#### Theme C: Holistic healing destination

- Cooperative development and promotion of the Bay as a healing destination. Similar to the coordinated approach taken by the Creative Arts community in the Bay.

Our culture is health – promoting

Wide diversity of healing practitioners

Our lifestyle optimises for longevity and quality of life

Well-being is the fundamental measure of success

Quality of life for all creatures



# Creativity and Innovation

We nurture innovative thinking and are open to new sustainable solutions. We inspire others by weaving creativity and innovation into all aspects of life. The creative arts flourish in our community.



## Key Strategic Areas

- Establish a hub of creative minds finding creative solutions to business/community issues.
- Support technological innovation education to enable sustainable solutions.
- Use the Creative Arts to generate a sense of reverence and connection to place.
- Use the Creative Arts as an impactful way to communicate the sustainability message

### We are already doing these things ....

Knowledge/expertise in a broad range of fields – highest % of PhDs per head of population in the country

Creative thinkers with a diversity of skills

Strong in the Creative Arts – visual arts, music, theatre

Events that celebrate the Arts e.g. Bay Art, Country Music Awards, TOTs, Go Wild with Weaving, Lip Sync, (keep adding to this list please) DramaLab, Seasonal celebrations like Matariki, and family friendly festivals e.g. Harvest Festival

Creatively inspired by our natural environment

Globally connected individuals with a lifestyle that allows time for innovative thought and practical experimentation

Amazing outside murals, sculptures, mosaic furniture, decorated play spaces – everywhere there is so much creative flair in our shared spaces

### These are our gaps and opportunities ....

#### Theme A: Hub of creative minds

- Collaboration across disciplines. For instance a collaboration between farmers, artists, ecologists, engineers for a Golden Bay Sustainability Centre or Eco Village.
- Cross age art connections
- Connection with national and international artists/creatives
- Use cinema as the hub for innovative and creative fertilization
- Have positions in companies and businesses for creative people to work. These people could go from business to business so they don't work at just one place

#### Theme B: Technological Innovation Education

- Start up a new I-Design – technological innovation for youth. Could use school classrooms outside of school hours.
- Technological solutions that enable other approaches to be more sustainable or efficient e.g. app that shows where electric cars can recharge at private homes for a fee

#### Theme C: Create sense of reverence

- Art can show people how to respect a place so have creative sculptures/art at local tourist attractions e.g. Te Waikoropupu Springs, Wainui waterfalls, Wharariki beach, The Grove
- Have an art trail for all the public sculptures and murals which includes a brochure

#### Theme D: Impactful delivery of our message

- use different art forms to communicate the sustainability message to different audiences e.g. lyrics to songs, powerful visual art, sculpture made from recycled materials etc

**We are already doing these things ....**

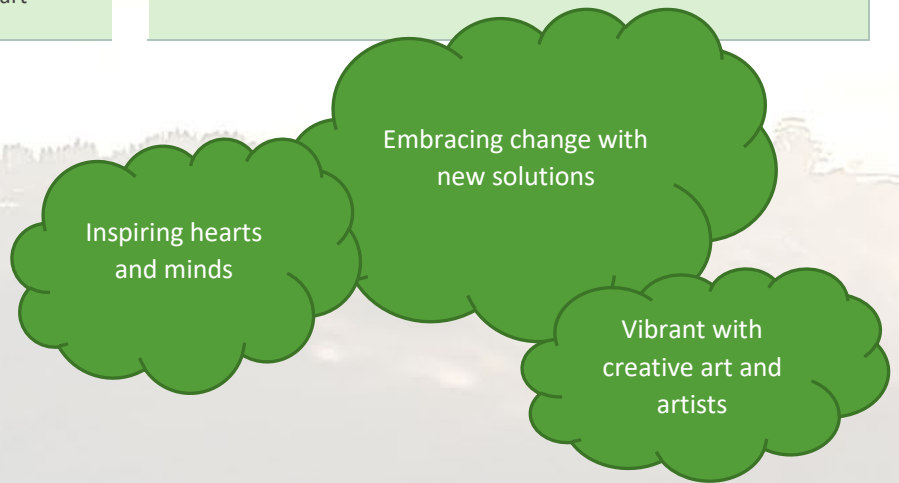
Good spaces and places to showcase creative talent and enable finances to flow to the creators

On it - School mentoring programme NMIT, COLT

Galleries showcasing/selling local art only MONZA, Art Vault giving Golden Bay a place as an art destination

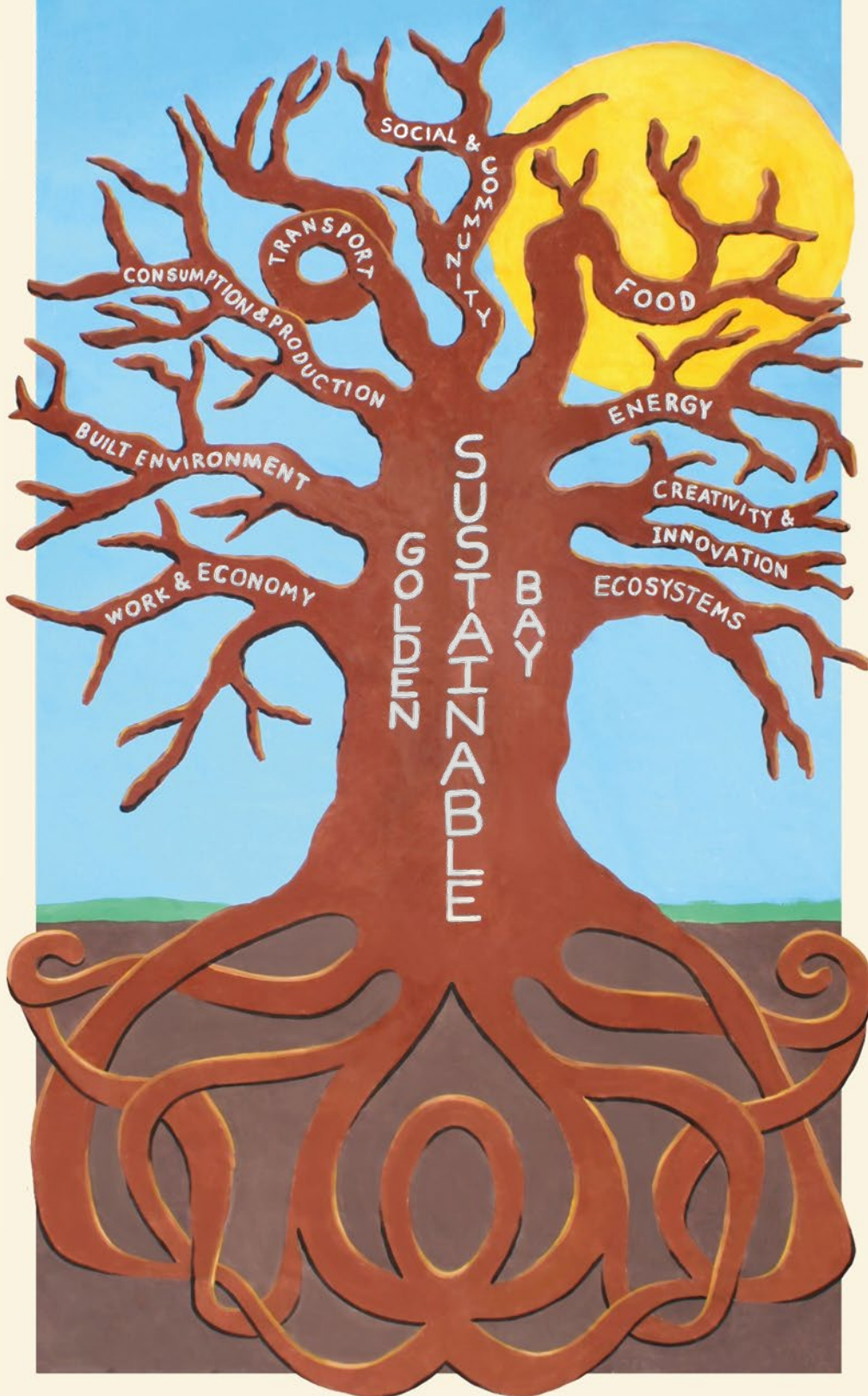
**These are our gaps and opportunities ....**

Local philanthropy/angels for the arts, we have great stone (marble, dolomite, Tarakohe limestone) to have international stone symposiums



# MOHUA 2040

ADAPTING TOWARDS A SUSTAINABLE GOLDEN BAY



This is the beautiful tree mural that was used during the hui consultations to gather feedback via sticky note leaves. It helped add that unique creative Golden Bay touch to our gatherings.

# Social and Community



We have a strong community and sense of community.

We share a common vision and we work together to make things happen. We celebrate diversity and care for each other. Sustainability is one of our cornerstone values. We have the services and support we need to keep us thriving. The size of our community stays in balance with the eco-system and built environment.

## Key Strategic Areas

- Support initiatives that promote community connections and cohesion - clubs, groups, events, community spaces, community input and ownership of strategies, plans and projects.
- Cultivate a culture of caring for each other.
- Give youth a voice in future plans - inspire and empower them.
- Grow a community funding pool to finance new and existing initiatives.

### We are already doing these things ....

[Golden Bay WorkcentreTrust](#) - Education programmes for youth akonga, adult education and recreational learning, community house facilities, affordable rental spaces for groups and individuals (Trash Palace, Bayyoga Shala, Fresh FM, GB Weekly, Community Pottery club, counselling, youth counsellor, Helping Hands) meeting room for community groups, community development worker, Heartland Services, Community Connector.

[Mohua Social Services](#) – working for families, mentor champions

Food bank

Meals on wheels

### These are our gaps and opportunities ....

#### Theme A: Community connections and cohesion

- Need a common vision that we can all see our part in
- Community wood lots for firewood
- Marae based interactions
- Intergenerational connectivity within society, connect young with old, especially those who live on their own
- Encourage local scale community groups and events. We need more autonomy and support for community initiatives (help cut through red tape)
- All ages encouraged to visualise together and support the common goals and visions
- Art and cultural centre providing workshop space, rentable facilities. More seasonal celebrations like

## We are already doing these things ....

SeniorNet courses

Events and Festivals - A&P show, Sustainable Hui, Harvest Festival, Luminate, Beach Sculpture, Tata Beach Cardboard Boat Race, Lights Festival, etc

Clubs and groups for all manner of interests, sport, crafts, outdoor pursuits, music, technology, games, U3A, Waka Ama et al.

Sustainable Living Centre including the community gardens

[Manawhenua ki Mohua](#) – Marae, Te Reo Education

There is a strong sense of community

Harvest gatherings

Saturday Market, Wednesday Organic produce market

Green dollar/Hands scheme

Community Food Forest Initiative

Climate Love - a solutions-focused media service that provides news of low carbon projects monthly via a small newspaper and hosts seasonal weekend workshops based upon the skills of the people who have appeared in the news.

## These are our gaps and opportunities ....

Matariki, bring back Mardi Gras, more family friendly festivals.

- More playgrounds

### Theme B: Culture of Caring

- Reading programme that connects school kids with the rest home residents. Engenders patience and understanding from an early age
- More chances to connect humans with animals in a caring way
- Need to address social isolation, make sure people know where they can go for help/companionship.

### Theme C: Youth

- A place for young adults to develop themselves e.g. a youth centre
- Kids' gardening club
- Inspiring and harnessing the energy and passion of teenagers - to empower them with tools to change what can look like a hopeless situation on earth

### Theme D: Community Funding

- Community Financing,
- Develop 'post capitalist' social models for investment in housing, for example facilitate wealth redistribution
- More funding is required to adequately support the mental health work done here in the Bay
- Post-capitalist business and ownership models - community ownership

a home for all

Bay of belonging –  
integrating all ages  
and cultures

inner contentment  
outer harmony

playful, vibrant  
culture

a haven of hope

nurturing and  
supportive

we all do our bit  
to help the wider  
good



# Governance and Partnership

Governance is committed to caring for future generations and the environment. Leadership with integrity that invites input from the full diversity of our community.



## Key Strategic Areas

- Manawhenua ki Mohua is an integral partner in governance and local decision making
- Community leadership structure and mechanisms for enabling decision making on local issues
- Coordinated approach to deliver sustainability projects.
- Explore new structures that inherently recognise the importance of preserving our natural environment

### We are already doing these things ....

Community Board that advocates on behalf of residents to council on local issues/opportunities

Exploring the appropriateness of different governance models

Community Board has more say on the issues that affect us in Golden Bay

Golden Bay Community Board representative on Manawhenua ki Mohua

Two elected Golden Bay representatives on the district council

A new charter between Golden Bay Community Board and Tasman District Council making a much better relationship

### These are our gaps and opportunities ....

Theme A: Partnership with Manawhenua ki Mohua

-

Theme B: Local Leadership

- Community leadership structure with decision making power on local issues. Development of a vision and action plan for the Golden Bay region that covers all aspects
- Resilience plans for key vulnerable industries/infrastructure e.g. port, airport
- Civic Engagement in central government
- Ongoing strengthening of good relationships with council and government
- Goal setting involving all parts of the community. These goals are communicated across the whole of the Bay, and then progress regularly reviewed against desired outcomes.

-

Theme C: Coordinated project delivery

- Strategic Manager working across all of the Bay to help deliver visionary projects through networking with business, tourism, events

Theme D: New governance and decision making structures

- Perpetual purpose trust (PPT) the beneficiary is the purpose of the business. Ownership of the company is placed into the Trust, and in doing so the business can no longer be bought and sold, hence it becomes permanently

independent. And because the trust will never “exit” and the business will never be sold, there is no longer any need to expend energy and resources on providing liquidity for shareholders or finding new owners. Going forward, the leaders of the company can put all their focus into running a healthy and sustainable business for the benefit of all their stakeholders. Leverage this model.

- Give nature a voice e.g. nature has a voting/voice/seat at all companies and organisations in Golden Bay e.g. Art Council, Community board, school board of trustees, health etc.
- People’s assemblies (sortition). Participating democracy (similar to being called for jury duty - people are chosen at random to serve for a week on making recommendations on issues we face and then they make recommendations back to decision makers) Citizen’s assembly – mechanism for making decisions as a community.
- Partnerships, Sociocratic structures, consent based decision making



## Want to be involved?

Please get in touch with us at [Mohua2042@gmail.com](mailto:Mohua2042@gmail.com) to get involved. The more diversity of people and skills the better!

*An electronic copy of the strategy is available here:*

<https://www.tasman.govt.nz/my-community/a-sustainable-community/>



*It takes one step to begin a journey.  
Sometimes it only takes showing that one step  
for others to follow.  
Let's build a society where we look after each other  
and look after our planet.*