



Te Rūnanga o NGĀI TAHU

TE TĀHŪ O TE WHĀRIKI

ANCHORING THE FOUNDATION

HE RAUTAKI MŌ TE HURINGA O TE ĀHUARANGI
CLIMATE CHANGE STRATEGY

Final draft – August 2018

An aerial photograph of a coastal landscape, split diagonally from the top right to the bottom left. The left side shows a grey, desolate landscape with a wide, shallow riverbed and a beach, representing the effects of climate change. The right side shows a vibrant green landscape with a winding river, lush forests, and agricultural fields, representing the foundation and future. In the background, there are mountains with snow-capped peaks under a clear blue sky.

Te tāhū o te whāriki

ANCHORING THE FOUNDATION

Seven generations of Ngāi Tahu tūpuna fought for resolution of Te Kerēme, enabling all the opportunities we now have to lift and strengthen our people. We now have a new set of challenges, and we will do all we can to create a legacy for those whānau to come in response to the effects of climate change. We stand strong in the belief that amidst change and loss there is also hope, and opportunities to thrive.



Ngā Mātāpono Kaitiaki

The Strategy provides direction across the whole spectrum of Ngāi Tahu interests, assets and activities, because the impacts of climate change will touch them all.

What we will need to respond effectively will be different for each unique place and tribal activity. The Strategy will provide guidance and direction to ensure our people are sustained in the generations to come.

There will be opportunities as well as challenges. Some opportunities and innovations are yet to come, so being ready for new ideas is important.

An inter-generational perspective is essential, with responsibilities both to our tūpuna and to those who follow us. The very nature of who we are means we will endure in our tūrangawaewae for generations to come.

Some of those actions require urgency, while others will develop over the longer term. We will be proactive, and prepare for more severe impacts than those already affecting the takiwā and our people.

What is good for Ngāi Tahu is good for Aotearoa.

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Te tāhū o te whāriki

ANCHORING THE FOUNDATION

Nō te tau 1849 ki te tau 1998 i tohe a Ngāi Tahu ki te Kāwanatanga kia ea ai Te Kerēme, kia puta mai ko tētahi ara kia pakari anō ai te tū o te iwi. I ēnei rā he wero hou kei te aroaro, arā ko te huringa āhuarangi. E whakapono nei tātou ahakoa te tau nihoroa, he rā anō kei tua.

Ngā Mātāpono Kaitiaki

Ko ngā ringaringa o tēnei tipua te huringa āhuarangi he nui, ā, ka pā ki ngā āhuatanga katoa o tō tātou ao. Nō tēnei āhua me whānui hoki te aronga o tō tātou rautaki.

I ngā wa o nehe, nā te makariri, nā te torehape o te whenua he uaua te noho ki Te Waipounamu. Nā tēnei āhuatanga i tūhura ō tātou tīpuna i ētahi ara hou hei oranga tonutanga mō te iwi.

E aro atu ana tēnei rautaki ki ngā āhuatanga taiao katoa o tēnā takiwā, o tēnā takiwā. Mā te rautaki nei tātou e anga whakamua ai kia kore ai tātou e mau i te taniwha nei.

Nei ko te taero nui i mua i te awe māpara, manohi anō, he āheinga. Nō ngā tīpuna te tauira o tēnei āhua o te tāwariwari, o te urutau, o tēnei mea te ako, kia ora ahakoa haere ki hea, ahakoa ngā tū āhua o te wā.

Kua whatua te rautaki nei ki ō tatou mātāpono, ki ngā akoranga o nehe, ki ngā wheako o nāianei kia

whakatōpuni ai te takiwā mō tātou, ā, mā kā uri ā muri ake nei.

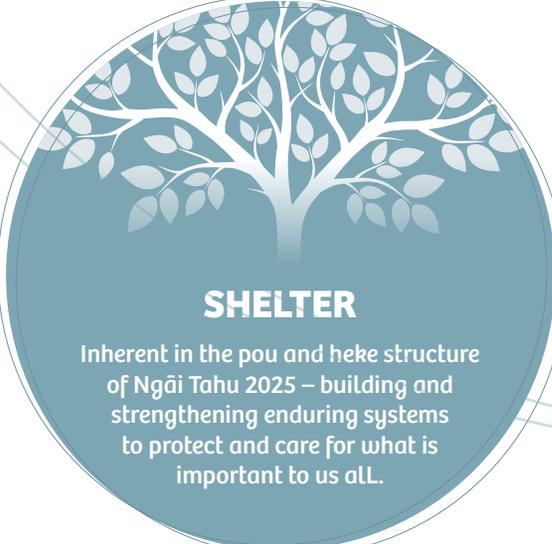
Kua tae te wā kia eke tātou i te waka e tīmata ai te hoe ināia tonu nei. Ka whakatū tātou i ngā rāwhara, ka hoe tahi tātou kia matangirua te rere hei oranga mō te iwi.

Tārake ana te kitea e kore e taea e tātou anake te taniwha nei te patu, engari kē ia, me mahi tahi ki ngā iwi, ki ngā hapori, ki te Kāwanatanga anō hoki kia ruku kōau atu ki te mura o te ahi.

Kei te kapunga o ō tātou ringa te oranga tonutanga o te iwi, mā te korikori tahi e ora ai tātou.

Founding Principles

This Strategy uses several interrelated concepts to help shape thinking and directions forward:



SHELTER

Inherent in the pou and heke structure of Ngāi Tahu 2025 – building and strengthening enduring systems to protect and care for what is important to us all.



WEAVING

Acknowledging the interconnectedness of the various strands and aspects of the Strategy.

SUPPORT

As the root systems of kahikatea intertwine to give greater stability and resilience.



This Strategy is framed around the nine pou and heke of Ngāi Tahu 2025, the tribal map that guides all our work and strategies. Ngāi Tahu 2025 is shaped by tribal values and imperatives, and focuses on empowering Ngāi Tahu – as individuals, whānau, hapū, Papatipu Rūnanga and iwi – to realise and achieve our dreams.

FUTURE-PROOFING NGĀI TAHU

- The Strategy will help us to;
- Understand the changes and challenges that are coming
- Implement ways to meet those challenges, make good decisions, and secure the best possible future for our people and our takiwā

Hei Huataki - Introduction

PURPOSE OF THE STRATEGY

To create Ngāi Tahu responses to the risks and opportunities presented by climate change, referencing the entire tribal structure, so that iwi, hapū and whānau aspirations can be met in a changing world

Mō tātou, ā, mō kā uri ā muri ake nei – For us and our children after us.

CONTEXT

Since the Industrial Revolution humans have released increasing amounts of greenhouse gases into the atmosphere. These gases trap warmth from the sun, increasing the heat on Earth and resulting in a changing climate. In 2016 global concentrations of atmospheric carbon dioxide reached 400 parts per million, the highest level in at least 800,000 years.

The most recent report of the International Panel on climate change (IPCC) found that warming of the climate system is 'unequivocal' and is already having physical and biological effects in many parts of the world. If the world is to stay within the agreed 'safe' range of 2°C increase, substantial reductions in greenhouse gas emissions are required.

The Paris Agreement, adopted in 2015, commits all countries to take action on climate change. New Zealand has committed to reducing our greenhouse gas emissions by 30% below 2005 levels by 2030. However, we are at a critical juncture as a planet and need to reach net zero carbon emissions over the next 30 years to have a chance at the best case scenario. The Paris Agreement does not accomplish this alone, so businesses and organisations have a role in leading necessary change.

In Aotearoa and the Ngāi Tahu takiwā the changes are already being felt. There are uncertainties and unknowns with the science projections, but the general directions of change are clear. Future impacts include, but are not limited to:

- Projected increases in the average temperature across the takiwā by up to 3°C by the end of the century, with some areas experiencing a significant amount of additional hot days (days over 25°C). For example, Aoraki is projected to have 80 more hot days by the end of the century under the worst case scenario.

- Projected variation in rainfall across the takiwā, with some areas experiencing drought while others extreme rainfall and flooding. For example, the West Coast can expect 70% higher rainfall by 2100 under the worst case scenario.
- Increases in storm intensity and frequency.
- Changes to the ocean including increased temperatures, changes in currents, wave height and productivity. A significant concern is the increasing acidification of the ocean, which will have a number of flow on effects to ecosystems including key kaimoana species.
- Sea level rise, which is a key concern for our coastal populations, with 2m by the end of the century being a realistic increase.

How the climate continues to change in the future will largely depend upon how we as a global community act to reduce greenhouse gases. However, even once emissions are reduced, the effects of climate change will continue, especially in the ocean. We are already locked in to some of the consequences.

We have no choice but to develop a response and show leadership, in the effort to reduce the impacts of climate change, and in the crucial adaptation work for the ongoing wellbeing of our people and our communities.

DEVELOPMENT OF THE STRATEGY

This Strategy has evolved through a comprehensive process:

This Strategy is designed to support good decision making throughout the tribal structure in the same way as Ngāi Tahu 2025. Decisions made in the context of this Strategy will weigh factors relevant to both mitigation of climate change and adaptation to its effects.

1.

NGĀ TAKE, NGĀ WERO SCOPING

- Information gathering, including a report commissioned from NIWA of the projected climate change impacts in our takiwā.
- Whānau survey to assess awareness and determine whānau priorities and needs.
- Developing internal and external networks.

2.

WHANAUNGATANGA LEARNING TOGETHER

- Communications and hui.
- Hui wānanga workshop.
- Rangatahi Symposium.

3.

HEI WHAKATAU PULLING IT ALL TOGETHER

- Finalise kaupapa and alignment with Ngāi Tahu strategic directions.
- Writing the Strategy.
- Communications and hui wānanga

PROGRESSING THE STRATEGY

Under each of the nine pou and heke, this Strategy establishes a Vision and Strategic Direction, followed by Priorities for Short / Medium Term Actions – to be achieved by 2025 – and Longer Term Actions to be achieved by 2050. All the Actions should be commenced as soon as is practical. However, we acknowledge that the Longer Term Actions will take longer to work through. Every twelve months Te Rūnanga will do a stocktake of activities and implementation of this Strategy.

This Strategy does not include specific projections for the resourcing that will be needed for its implementation. It must be understood that is simply not possible, at the outset, to scope the full range of implications of this Strategy for all aspects of tribal activity and business.

The first phases of implementation over the short to medium term will primarily involve:

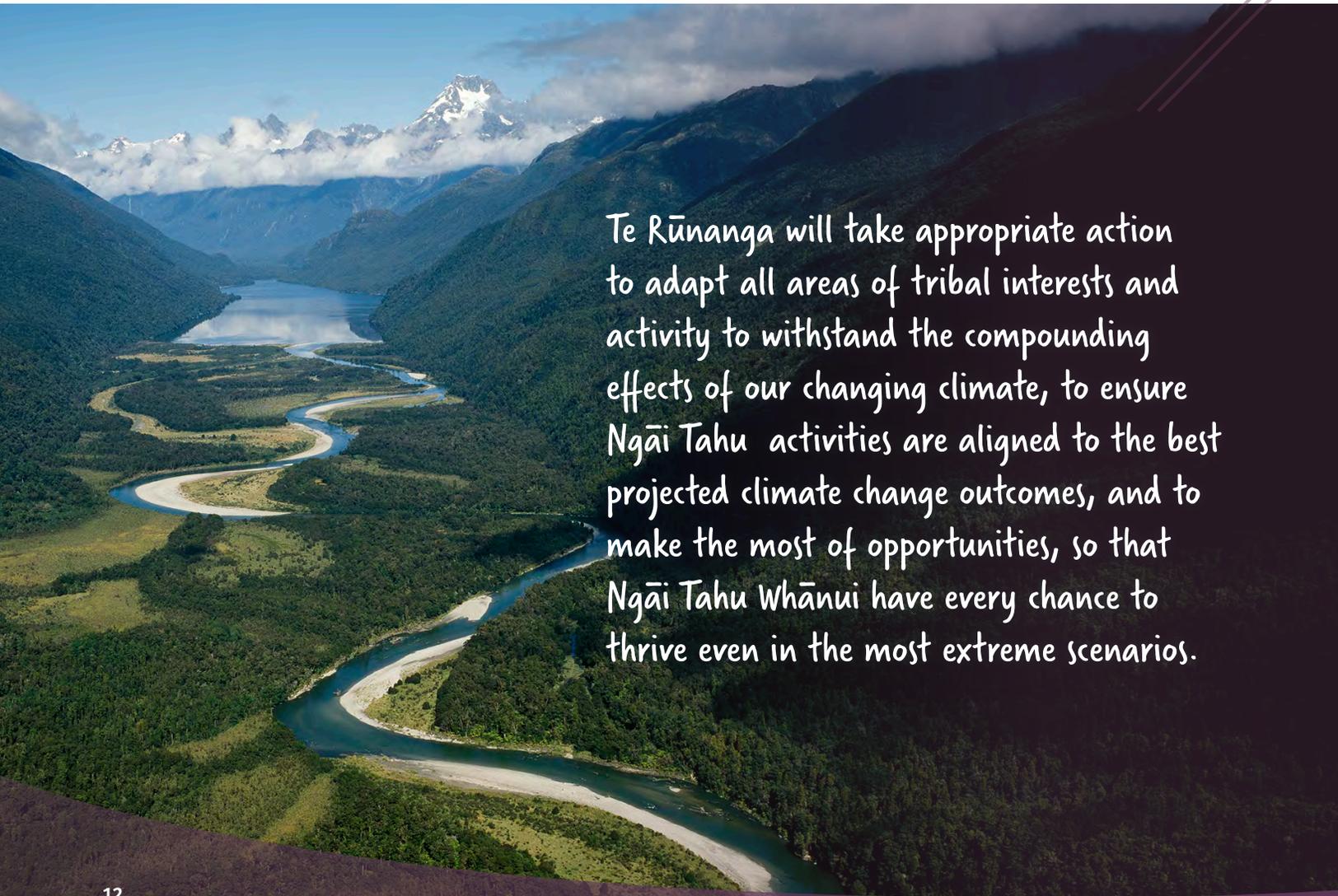
- Communications to provide whānau with information, raise awareness, and generate momentum for whānau to begin considering their options
- Assessment and evaluation of the areas where change will be necessary, and the options available for that change
- Development of a longer-term mindset to encourage consideration of these issues over the extended timeframes that will be necessary.

Some medium to longer term actions, costs and opportunities cannot be predicted at this point in time, but will emerge through the process of developing response plans and assessing risks and vulnerabilities. The resourcing implications will need to be assessed as implementation of this Strategy progresses.

Aligned to Ngāi Tahu 2025, the Strategy establishes a Vision and Strategic Direction, followed by Priorities for Short / Medium Term Actions – to be achieved by 2025 – and Longer Term Actions to be achieved by 2050. All the Actions should be commenced as soon as is practical.



TE KAITIAKITANGA ME TE TĀHUHU

An aerial photograph of a wide, winding river flowing through a lush green valley. The river has several meanders and is bordered by sandy banks. In the background, there are dark, forested mountains, and further back, a range of snow-capped peaks under a blue sky with some clouds. The overall scene is a beautiful natural landscape.

Te Rūnanga will take appropriate action to adapt all areas of tribal interests and activity to withstand the compounding effects of our changing climate, to ensure Ngāi Tahu activities are aligned to the best projected climate change outcomes, and to make the most of opportunities, so that Ngāi Tahu Whānui have every chance to thrive even in the most extreme scenarios.

STRATEGIC DIRECTION

- Papatipu Rūnanga and whānau have what they need to be resilient and strong in the face of climate change.
- All levels of tribal decision making factor climate change impacts.

PRIORITIES

Te Pae Tata – Short / Medium Term Actions by 2025

- Development of Marae centred climate change Strategies.
- Information resources to support communities and whānau to be prepared and resilient.
- We work together to:
 - o Identify key primary resources (Natural or Infrastructure) and ways to secure these.
 - o Identify assets, activities, practices and dependencies that are vulnerable to the effects of climate change, and develop exit strategies and alternatives.
- Ngāi Tahu will work proactively to reduce our Greenhouse gas emissions.

Te Pae Tawhiti – Longer Term Actions by 2050

- Secure ownership / access / appropriate management of key land and water assets and essential services.
- Regularly review and update climate change strategies and response plans.

TŌ TĀTOU NGĀI TAHUTANGA

We will face the challenges of a changing climate in our takiwā with the courage, resilience and wisdom of our tūpuna, strengthened by all that makes us Ngāi Tahu, as we create a cultural legacy for those to come who must live in a changed world.



STRATEGIC DIRECTION

- Ngāi Tahu tanga and tikanga guide innovative, effective climate change responses for all Ngāi Tahu.
- Every generation understands climate change impacts and the importance of the taonga and resources that have been diminished or lost. No matter where they are, Ngāi Tahu whānui can maintain relationships to places, resources and taonga under the new climate conditions, that will carry through their identity and pride as Ngāi Tahu.
- Ngāi Tahu Whānui understand that their Ngāi Tahu tanga is woven in to all levels of tribal responses to climate change, and understand how to express that in their own lives and actions.

PRIORITIES

Te Pae Tata – Short / Medium Term Actions by 2025

- Regular communications / wānanga to build knowledge and understanding of pūrākau and Ngāi Tahu journeys of courage, resilience and wisdom.
- Wānanga to share and develop culturally-centred innovations and actions to help deal with climate change.

Te Pae Tawhiti – Longer Term Actions by 2050

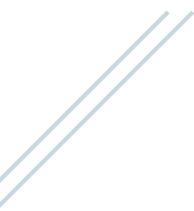
- Work with whānau to understand how changes to the environment will impact Ngāi Tahu cultural identity over the long term, as resources, taonga, and places that are woven into our Ngāi Tahu tanga are threatened.



TE AO TŪROA

We will manage tribal resources wisely, continuing to protect wāhi tapu, mahinga kai and other taonga tuku iho where possible, focussing on strategic restoration activities, while actively investing in places and species of likely future abundance.





STRATEGIC DIRECTION

- Ngāi Tahu are effective kaitiaki for our taonga species and takiwā.
- We all understand the impacts of climate change on the natural environment, and are contributing to minimising those impacts.
- Ngāi Tahu Whānui are able to maintain a meaningful relationship with their tūrangawaewae and taonga species, and can continue their customary practices.

PRIORITIES

Te Pae Tata – Short / Medium Term Actions by 2025

- We will work together to begin implementation of priority mahi including:
 - o Research, monitoring and reporting
 - o Identifying priorities for proactive restoration and protection
 - o Education and communications
- Identifying places and species of future abundance.

Te Pae Tawhiti – Longer Term Actions by 2050

- We are actively investing in places and species of abundance, and engaged in necessary protection, restoration and enhancement mahi.



KO NGĀ WHAKAPĀPĀTANGA

Ngāi Tahu Whānui are well informed about all aspects of climate change relevant to their interests and well-being. They know how the tribe as a whole is responding to the risks, challenges and opportunities, and can act with confidence within their whānau and hapū.



STRATEGIC DIRECTION

- Ngāi Tahu have opportunities to learn more about climate change and what they can do, and to help shape tribal and hāpu actions.

PRIORITIES

Te Pae Tata – Short / Medium Term Actions by 2025

- climate change champions to support this kaupapa within their communities.
- Communications channels for regular information sharing.



TE WHAKAARIKI

Ngāi Tahu is embedded within key climate change response structures and programmes, working with central and local government and others.



STRATEGIC DIRECTION

- The rights and interests of Ngāi Tahu whānui continue to be advanced and protected in the spirit of Te Tiriti o Waitangi and the Ngāi Tahu Claims Settlement.
- Papatipu Rūnanga engage with their communities to provide local leadership in adaptation to climate change and building resilience.
- Ngāi Tahu continue to tautoko the efforts of other iwi and first nations in climate change response.
- Maintain momentum on the necessary actions to implement this Strategy.

PRIORITIES

Te Pae Tata – Short / Medium Term Actions by 2025

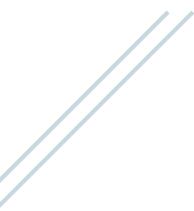
- Te Rūnanga is represented on the Government's Climate Commission and other key statutory bodies informing and managing climate change response.
- Papatipu Rūnanga actively influence regional and local government processes to develop climate change responses.

Te Pae Tawhiti – Longer Term Actions by 2050

- Review climate change impacts on Settlement assets and tribal lands and resources, and establish mechanisms that enable at risk assets, lands and resources to be transferred, replaced or compensated.

TE WHAKATIPU

Papatipu Rūnanga have the resources and information necessary to generate and implement marae and community centred climate change response strategies that are designed to meet the needs of whānau and hapū, aligned with tribal direction.



STRATEGIC DIRECTION

- Papatipu Rūnanga ventures and cultural enterprises transform the lives of whānau and regional economies through innovative, successful, sustainable, climate responsible business.
- Marae are prepared and resourced to continue to provide a high level of refuge, care, and support to whānau and the wider community when needed.
- Papatipu Rūnanga and whānau are taking leading roles within regional economies driving climate change resilient practices that benefit the whole community.

PRIORITIES

Te Pae Tata – Short / Medium Term Actions by 2025

- Papatipu Rūnanga response strategies are developed.
- All marae facilities are upgraded to technologies and systems that will ensure long term resilience.

Te Pae Tawhiti – Longer Term Actions by 2050

- Marae and Rūnanga facilities threatened by rising sea levels and increased hazards from climate change have plans in place to relocate.

WHĀNAU



Whānau needs and aspirations are central to tribal climate change response, with tribal resources targeted towards addressing fundamental challenges to kainga within the takiwā, maximising opportunities for whānau, and assisting whānau facing climate change impacts in other parts of the country and the world.



STRATEGIC DIRECTION

- Te Rūnanga, Papatipu Rūnanga, whānau, and others support each other to deal with challenges to the physical, mental, cultural, and economic wellbeing of Ngāi Tahu whānui.
- Whānau have access to information that helps them understand the impacts of climate change on their lives, and enables them to create solutions to meet those challenges.
- Whānau are able to contribute within their community to develop and implement climate change solutions.

PRIORITIES

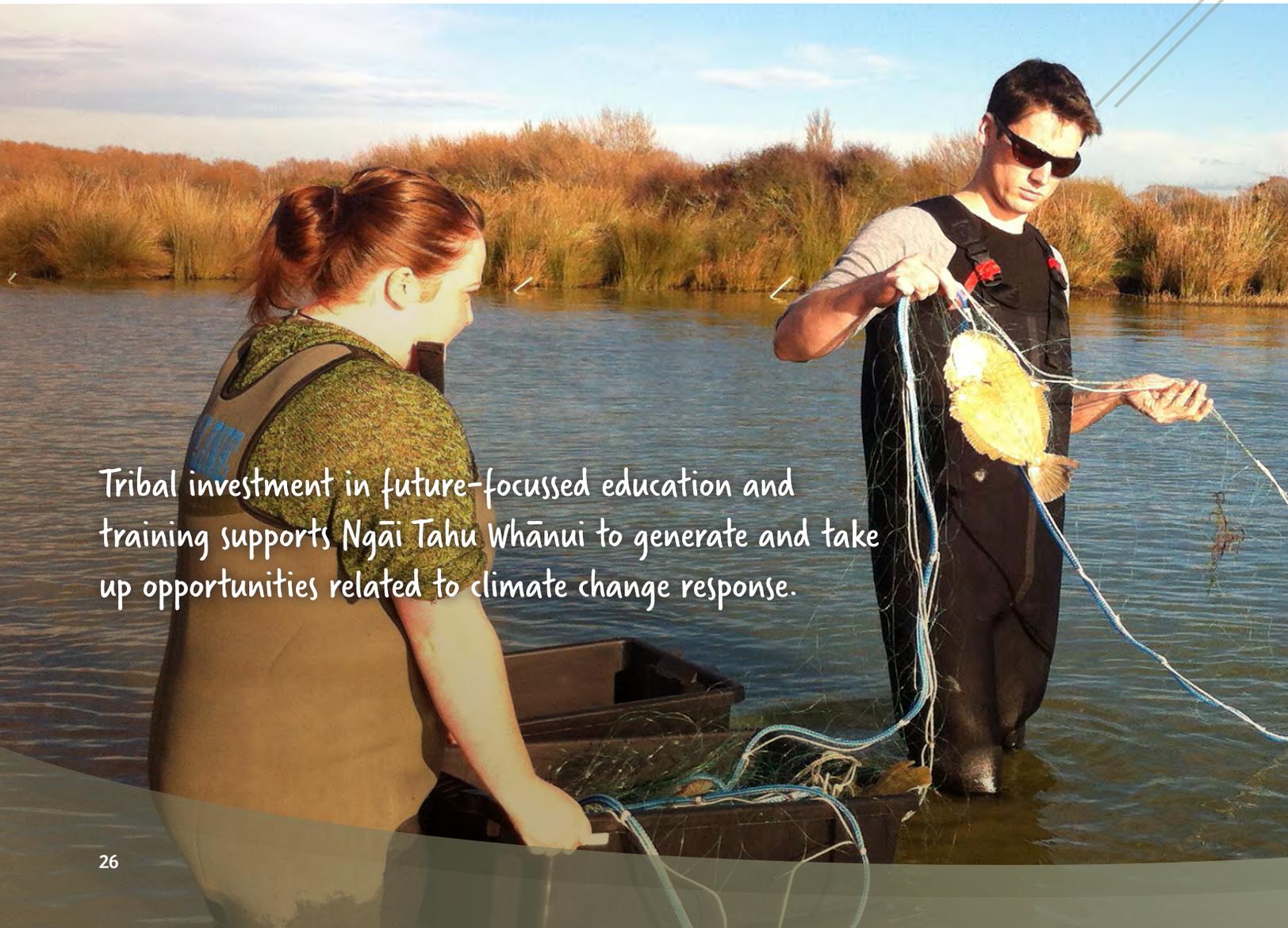
Te Pae Tata – Short / Medium Term Actions by 2025

- Strong relationships with relevant agencies and health service providers to ensure that climate change impacts are addressed.
- Identification and support for those whānau who are most at risk.

Te Pae Tawhiti – Longer Term Actions by 2050

- Ngāi Tahu will continue research to understand:
 - o How climate change affects migration, wellbeing, physical and mental health.
 - o Whānau-focused measures to build resilience and ability to adapt.
- Preparation for whānau returning home from other parts of New Zealand and the world where climate change impacts are more severe.

MĀTAURANGA

A photograph showing two people, a woman and a man, engaged in fishing. They are wearing waders and are in a shallow body of water. The woman is on the left, looking towards the man. The man is on the right, holding a net and a large, flat, yellowish fish. The background features a dense line of tall, dry reeds under a clear blue sky. The overall scene is bright and sunny.

Tribal investment in future-focussed education and training supports Ngāi Tahu Whānui to generate and take up opportunities related to climate change response.



STRATEGIC DIRECTION

- Ngāi Tahu Whānui are able to access and generate opportunities for employment in climate change responsive sectors.
- Ngāi Tahu work with research institutions to ensure Ngāi Tahu needs, values and aspirations are forefront in any climate change related research generated in our takiwā.

PRIORITIES

Te Pae Tata – Short / Medium Term Actions by 2025

- Support education opportunities that will enable whānau to support and lead climate change responses.
 - Support innovation and creativity in development of new approaches to address climate change impacts.
- 

TE PŪTEA

The economic base of Te Rūnanga o Ngāi Tahu is built on leading climate responsible, innovative and adaptive businesses and partnerships, meeting the needs and aspirations of Ngāi Tahu Whānui, while applying Ngāi Tahu values to address the business risks, challenges and opportunities associated with climate change.



STRATEGIC DIRECTION

- Te Pūtea continues to grow allowing increasing distribution to support effective climate change preparedness and adaptation.
- Tribal investment and business strategies maximise benefit from future changing economic conditions, and Ngāi Tahu are leaders in climate responsible business.
- Ngāi Tahu businesses provide employment for whānau as well as practical solutions and innovations to deal with climate change impacts.

PRIORITIES

Te Pae Tata – Short / Medium Term Actions by 2025

- Ngāi Tahu Holdings Corporation and subsidiaries produce climate change response plans. These should include targets to progressively reduce greenhouse gas emissions.

Te Pae Tawhiti – Longer Term Actions by 2050

- Ngāi Tahu evaluate our existing portfolio of assets and activities to assess future commercial risks, liabilities, and priorities for diversification, innovative practices, or exit strategies.



Our Vision

TE KAITIAKITANGA ME TE TĀHUHU

Te Rūnanga will take appropriate action to adapt all areas of tribal interests and activity to withstand the compounding effects of our changing climate, to ensure Ngāi Tahu activities are aligned to the best projected climate change outcomes, and to make the most of opportunities, so that Ngāi Tahu Whānui have every chance to thrive even in the most extreme scenarios.

TŌ TĀTOU NGĀI TAHUTANGA

We will face the challenges of a changing climate in our takiwā with the courage, resilience and wisdom of our tūpuna, strengthened by all that makes us Ngāi Tahu, as we create a cultural legacy for those to come who must live in a changed world.

TE AO TŪROA

We will manage tribal resources wisely, continuing to protect wāhi tapu, mahinga kai and other taonga tuku iho where possible, focussing on strategic restoration activities, while actively investing in places and species of likely future abundance.

KO NGĀ WHAKAPĀPĀTANGA

Ngāi Tahu Whānui are well informed about all aspects of climate change relevant to their interests and well-being. They know how the tribe as a whole is responding to the risks, challenges and opportunities, and can act with confidence within their whānau and hapū.

TE WHAKAARIKI

Te Rūnanga o Ngāi Tahu and Papatipu Rūnanga are embedded within key climate change response structures and programmes, working with central and local government and others. These programmes support desired outcomes for Ngāi Tahu Whānui as a result of tribal influence and leadership.

TE WHAKATIPU

Papatipu Rūnanga have the resources and information necessary to generate and implement marae and community centred climate change response strategies that are designed to meet the needs of whānau and hapū, aligned with tribal direction.

WHĀNAU

Whānau needs and aspirations are central to tribal climate change response, with tribal resources targeted towards addressing fundamental challenges to kāinga within the takiwā, maximising opportunities for whānau, and assisting whānau facing climate change impacts in other parts of the country and the world.

MĀTAURANGA

Tribal investment in future-focused education and training supports Ngāi Tahu Whānui to generate and take up opportunities related to climate change response.

TE PŪTEA

The economic base of Te Rūnanga o Ngāi Tahu is built on leading, climate responsible, innovative and adaptive businesses and partnerships, meeting the needs and aspirations of Ngāi Tahu Whānui while applying Ngāi Tahu values to address the business risks, challenges and opportunities associated with climate change.



Te Rūnanga o NGĀI TAHU