



MAORI STANDING COMMITTEE

FRIDAY 16 OCTOBER 2015

- War Memorial Hall -

WAIROA DISTRICT COUNCIL

MAORI STANDING COMMITTEE

to be held at the War Memorial Hall, Queen Street, Wairoa

ON FRIDAY 16 OCTOBER 2015
12.30PM

A G E N D A

E Foster, K Hammond, G Hawkins, P Kelly, S Jury, N Lambert, H Nissen, G Symes, P Whaanga

COUNCILLOR

M Bird

KARAKIA

APOLOGY

CALLS FOR CONFLICT OF INTEREST

CALL FOR ITEMS OF URGENT GENERAL BUSINESS NOT INCLUDED IN THE AGENDA AND NOTICES

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11 SEPTEMBER 2015

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REPORT TO: MAORI STANDING COMMITTEE	
DATE: 16 OCTOBER 2015	
SUBJECT:	CONFIRMATION OF MINUTES OF MĀORI COMMITTEE HELD 11 SEPTEMBER 2015
FILE REF:	A 28.01
AUTHOR:	D TIPOKI - MAORI RELATIONSHIPS MANAGER
ATTACHMENTS:	Nil
RELATED COMMUNITY OUTCOME: Supportive, caring and valued communities. Strong district leadership and a sense of belonging. A community that values and promotes its culture and heritage.	RELATED COUNCIL ACTIVITY: Māori Relationships

WAIROA DISTRICT COUNCIL

MAORI STANDING COMMITTEE

Minutes of the Maori Standing Committee held in the Council Chambers, Wairoa District Council on Friday, 11 September 2015 at 12.30pm.

PRESENT: G Symes (Chairperson)
E Foster, K Hammond, G Hawkins, P Kelly, S Jury, H Nissen, P Whaanga

COUNCILLORS
M Bird (Left at 2.41pm), H Flood

IN ATTENDANCE: C Little (His Worship the Mayor)
K Tipuna (WDC's Communication Strategist)
D Tipoki (WDC's Maori Relationships Manager)
C McGimpsey (WDC's Governance Advisor & Policy Strategist)

KARAKIA

The Chairperson welcomed everyone to the meeting and D Tipoki opened with the karakia.

SUSPENSION OF MODELSTANDING ORDERS:

Resolved: *That the Māori Standing Committee suspend standing orders for the duration of the meeting*

G Symes/K Hammond

APOLOGY

An apology was received from Fergus Power.

Resolved: *That the apology received from F Power be accepted.*

P Kelly/H Nissen

CALLS FOR CONFLICT OF INTEREST

Nil

CALL FOR ITEMS OF URGENT GENERAL BUSINESS NOT INCLUDED IN THE AGENDA AND NOTICES

- Waimaara Kaupapa – Quarrying of Limestone
- Maori Language Survey, Te Ahut o Te Reo
- Sending out agenda
- Whakamahia urupa
- Road naming

PUBLIC FORUM

Sonya Smith & Ruth O'Rourke, Hawke's Bay District Health Board – Fluoride in Drinking Water

Important public health and Maori issue. Presented to Council earlier this year 9th June, will be making submissions on this but not asking to make any decisions today. The DHB have engaged with other community groups as well on this issue.

A PowerPoint presentation was given on the key issues surrounding the argument to have fluoride in drinking water in Wairoa.

- Fluoride can prevent tooth decay
- Need constant and consistent level of fluoride to have the desired effect
- Not just for the benefit of children's teeth but adults as well
- Children in our district still have high levels of decay in comparison with other districts in Hawke's Bay
- Mobile surgical bus comes every 6 weeks to Wairoa, in last 12 months 57.3% of their work is dental

Believe a robust consultation process would be sufficient as opposed to an expensive referendum process.

Members of the committee asked questions.

- Members discussed it being part of a bigger picture around other health issues (e.g. diabetes), healthy eating, and lifestyle choices rather than in isolation.
- Hastings statistics show an improvement after the introduction of fluoride to drinking water
- Need to put efforts into reducing the disparity between Maori statistics and other ethnicities in Wairoa

Action for next meeting: The committee craft a recommendation to Council at their next meeting on this subject after the results of the amalgamation poll.

Esther & Shane, Hawke's Bay Regional Council – HB Viewer, Pataka Module

Hawke's Bay Regional Council gave a demonstration on how to use their Pataka Map Module on their website, where the information comes from, and what each layer means in terms of HBRC.

Pataka – a place to store knowledge (literal meaning = storehouse) for resource management purposes. Spatial representation of tangata whenua information, this aids in determining affected parties for resource consents. Will be taken on by HB LASS eventually and will manage this.

The committee asked what is in place to ensure this information is kept up to date

- Appointing a Maori Policy Advisor at the HBRC – will take this role on board
- Consulting with tai whenua
- Consulting with Council Maori Committees
- Consulting with Maori Liaison officers in Councils

District Plan being reviewed currently, role for the committee in informing the Council on the information on waahi tapu included in the plan.

Confirmation of Minutes

MAORI STANDING COMMITTEE MEETING HELD 21 AUGUST 2015

The minutes of the Maori Standing Committee held on 21 August 2015 were presented.

G Hawkins asked for her apology to be noted.

Councillor Flood asked for the discussion and resolution about the marae photos for the Visual Identity Project to be included in the minutes. G Hawkins has some material on protecting Maori histories and information which may be of use to the Council on this issue.

Councillor Flood suggested that with the revision of the Maori Policy it may be opportune for MSC to ask Marae committees for updated information for the Council's long term planning.

<u>Resolved:</u>	<i>That the minutes of the Maori Standing Committee held on 21 August 2015 were confirmed as correct.</i>	<i>H Nissen/P Whaanga</i>
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General Item

MAORI RELATIONSHIPS MANAGER'S REPORT

A 28.01

The Maori Relationships Manager presented his report and gave a verbal update on a new Vodafone repeater at Raupunga which has greatly improved signal. He suggested that the committee send a letter to Vodafone acknowledging this work.

He alerted the committee to the Digital Enablement Plan he had sent out via email.

<u>Resolved:</u>	<i>That the report be received</i>	<i>Little/Symes</i>
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SENDING OUT OF AGENDA

It was noted that some members only received them today in the post or had not arrived. Currently sent out via email and post – would prefer it to arrive the weekend before the meeting.

MAORI LANGUAGE SURVEY TE AHU O TE REO

K Hammond updated the committee on a Maori Language Survey, Te Ahu o Te Reo that is currently being undertaken across 8 regions in the country, will email out some information. This is looking at what is the state of the language (i.e. thriving, striving or dying) in the 8 regions. It is following on from a survey done in the 1970s and K Hammond pressed to have Te Wairoa included.

The group are currently conducting stakeholder interviews that will provide rich data – both historic and vision. 80 individual surveys will be conducting from October till the end of the year these ideally need to be undertaken by a family with 3 generations where Maori is spoken (to varying degrees). Any suggestions on families would be appreciated by the group.

Councillor Bird asked how it will translate into action where people can speak and use Maori. K Hammond noted that the purpose was to get in-depth data about where Te Reo is spoken, how often it is spoken, and to what level it is spoken at a regional level. These results could then be used to inform language revitalisation projects/strategies in each region. There is also the possibility that reoccurring trends in regions may be able to inform a national approach to language revitalisation.

WAIMAARA KAUPAPA – QUARRYING OF LIMESTONE

K Hammond passed on a request for a formal letter and acknowledgement to the hapu on the progress on this issue.

WHAKAMAHIA URUPA

P Kelly – Contacted trustees at Pilot Hill regarding resource consent to build a shed bordering on the urupa, subsequently the trustee requested more information. The trustee passed on that he is upset due to the disrespect in this area (fly tipping etc) and noted it is difficult due to a lack of an accurate physical boundary. Council could look at identifying the boundary and physically define it for this urupa as part of the Pilot Hill development.

P Kelly will follow this issue up with Russell.

ROAD NAMING

P Whaanga requested an update on this and when the Parakawhai Road (a spelling mistake) will be changed back to the proper name of Parakiwai Road. An official letter needs to be sent to the Council requesting the name to be changed by the takiwa, which includes the history of the issue and the appropriateness to have the name corrected. D Tipoki will follow this up and report back to P Whaanga.

MAORI POLICY REVIEW

To be arranged as soon as possible following the amalgamation poll result.

Waimako Marae next meeting – 16th October.

CLOSED: The meeting closed with a karakia by K Tipuna at 3.10pm.

REPORT TO:	MĀORI STANDING COMMITTEE	
DATE:	16 OCTOBER 2015	
SUBJECT:	MĀORI RELATIONSHIPS MANAGER REPORT FOR 16th OCTOBER 2015	FILE REF:
AUTHOR:	David Tipoki	<u>MĀORI RELATIONSHIPS MANAGER</u>
RELATED COMMUNITY OUTCOME:	RELATED COUNCIL ACTIVITY:	
Connected Communities	MLO	
Desirable Lifestyles		
Treasured Environments		

Timatatanga

Tena rawa atu tatou i raro i te maru a te Atua.

Update

Amalgamation

A pleasing result and so a special thanks to everyone who actively encouraged our people to get out there and vote. I believe there was a 73% voter return which may not have ever been achieved in Wairoa before. It is obvious to me that with the Maori Standing Committee leading and encouraging our people we can ensure the voice of the people remains with the people and from the people. I am encouraged that we can continue to guide and assist as we now move into some exciting times and projects here in Te Wairoa.

Maori Policy Review

By the time this MSC meeting is held we should have confirmed a date for our workshop. Mayor Craig Little holds this topic as one of utmost importance and hence more effort has gone into a suitable date for all. I have been fortunate and am thankful to have had the assistance of both Charlotte McGimpsey and Hinetaakoha Viriaere (Hayley) Millar in scoping and researching for this workshop and with input from you all I am confident the policy will reflect strongly and suitably. I look forward to this discussion.

Forestry slash and debris hui

We are yet to organize this hui, with other major issues now off our calendars it is hoped a suitable date can be found pre-Christmas. Forestry slash is and will become more of an issue in our district especially when we get to the major harvesting period in approximately five years' time. Laying down a framework or at least an understanding between concerned parties will at least clarify lines of communication between them and the community – we will try our hardest.

Lincoln University hub and Sir Turi Carroll day

A public meeting to further discuss the AgriHub has been organized for Monday 12th October at Taihoa marae. Lincoln will also be meeting with other entities like Wairoa District Council and Wairoa College during the day; they are obviously eager to have this up and running post haste. From a Council perspective so are we as the benefit to our students and youth can be measured highly. I have the opportunity to discuss this widely within the community and can reflect the positive stance as people point out the benefits of farm work for many of our people; the skills one picks up and the scope with which to utilize such skills in a personal sense as well as vocationally.

Lincoln University is further investing in Te Wairoa by the inaugural Sir Turi Carroll Day and Symposium – Poutama Whenua Growing Maori Assets. This is planned for the weekend 6th and 7th November 2015 at Taihoa marae. Again while it is a time to celebrate the life of one of New Zealand's greatest leaders it is an opportunity to focus, teach and develop our young farmers by discussing issues and problems faced by all farming enterprises. Lincoln intends to hold this event annually interchanging the venue between Wairoa and Christchurch. I have attached their suggested programme; you will see they are looking for sponsors for the event and particular attention is drawn to the Catering sponsorship of \$1500; this is a one off sponsor. I am seeking a recommendation from this committee that Wairoa District Council support the event by providing this sponsorship sum. I believe the benefits are obvious, the support is within the spirit of this organisation, the event profile will be nationally accepted and it is a fitting gesture for one of Wairoa's own sons.

Rocket Lab

I am of the understanding that Rocket Lab are quite a way through their processes and scoping having completed a number of hui at marae and in committee with various organisations around Mahia. I believe the Onenui Management Committee are also near to completion of their due diligence. I do hope that our community realise the potential and opening for some innovative business ideas that run off the back of the Rocket Lab activities – tourism is an obvious one as well as providing opportunities to view and witness the launches and then there is accommodation as well. Here too I welcome the future with Rocket Lab in our midst; what other iwi can claim to have their very own “gateway to the galaxy”? Here too I would encourage a discussion with MSC as to the poignancy of displaying our early navigators (Ruawharo, Te Rongo Patahi etc) as well as the Takitimu canoe on the outside of those rockets as a testament that modern day engineering and rocketing is being launched from an ancient knowledge site – food for thought.

Digital Wai Whai

Despite being knocked back in the LTP, we still believe it is important to get broadband out to our community. Roger Matthews has been busy lately in this regard and I have attached his plan for your information. He is working with Marcus Lloyd who was instrumental in getting all Marae on the East Coast “hooked up” to broadband. His report makes for good reading and again provides another service to our people where it is sorely needed.

Verbal Report

At the time of collating this report, there was nothing further to add, however, if anything arises after the agenda has been received, the Maori Relationships Manager will report verbally on any matter raised.

Recommended: That the report be received



David Tipoki

MĀORI RELATIONSHIPS MANAGER

Sir Turi Carroll Centennial Celebrations 2015: Sponsorship Prospectus

A hui to be held on the 6th and 7th of November 2015 at Taihoa Marae, Wairoa will recognise and celebrate the life of Sir Turi Carroll and his many achievements in the field of Maori development, and acknowledge the role the university had in assisting Sir Turi to do that. This will become an annual event hosted by Lincoln University and the Carroll whanau and will alternate between Wairoa and Lincoln University each year. A brief bio on Sir Turi is included below.

In a move to encourage wider participation and provide opportunities for the business community to support this *kaupapa* Lincoln University are seeking sponsors to cover the cost of running this event so participants do not need to pay in order to attend. We are seeking a naming rights sponsor, a catering sponsor and 4 x session sponsors.

Naming Rights Sponsor:

Sponsorship of \$12,000 per annum for a three year term (2 x Wairoa and 1 x Lincoln University) with a right of renewal for a further three year term.

Benefits include:

- Naming rights – XXX Sir Turi Carroll Celebrations
- Recognition in associated advertising and promotions for the duration of the sponsorship period including flyers, programmes, registration name badges and website (including a prominent link from the Lincoln University Sir Turi Carroll Celebration webpage to your website and on the Lincoln University Alumni webpage)
- Recognition in association with all Sir Turi Carroll lectures at Lincoln University for the duration of the sponsorship period (approximately 4 public lectures per year)
- Naming rights for, and recognition during the main dinner event on the opening evening
- Naming rights to the key note speaker
- Promotional material in key places throughout the event
- Opportunity to put promotional material in participant packs
- Name on registration tags

Catering Sponsor:

Sponsorship of \$1500 per annum for a one year term to cover the cost of meals, other than the opening dinner.

Benefits include:

- Recognition during morning, lunch and afternoon tea breaks
- Recognition in the event programme
- Opportunity to put promotional material in participant packs

Session Sponsors:

Sponsorship of \$1000 per annum for a one year term.

Benefits include:

- Recognition during your sponsored session
- Recognition in the event programme
- Opportunity to put promotional material in participant packs

Nau Mai! Hāere Mai!

Celebrating the life, works and legacy of Tā Turi Carroll

Lincoln University invites whanau, hapū and iwi, Māori land trusts, farming, industry, community and business leaders and alumni to participate in this two day celebration and research and practice workshops

November 6 – 7th, 2015, at Taihoa Marae, Wairoa

Registrations Online: www.lincoln.ac.nz/alumni

KAUPAPA: Poutama Whenua: Growing Māori Assets

The future of Māori land development, farming and agribusiness through a restatement of Tā Turi's vision.



Tā Turi Carroll is a distinguished alumnus of Lincoln University, Christchurch since he graduated with the Diploma in Agriculture from the Canterbury Agriculture College in 1912. In 1940 Lincoln University awarded Tā Turi Carroll the prestigious Bledisloe Medal for his immense contribution to

raising the standard of farming in the Wairoa area. His work for Māori continued in the following decades which was acknowledged with the OBE in 1952 and a knighthood in 1962.

Programme

Friday 6 November		Saturday 7 November	
2.00pm	Powhiri Taihoa Marae	9.00am	Traci Houpapa – Keynote speaker. Poutama Whenua – growing Māori assets setting the context
4.00pm	Registration	10.00am – 11.15am	Prof Tony Bywater – “variability is risk! Risk reduces productivity and resilience – the ability to maintain production in a variable environment”
5.00pm	Dinner	11.45am-12.30pm	Dr Andrew Greer – ‘parasites to production’
7.00pm	Celebration of the Life, Legacy of Tā Turi Carroll with the whanau	Lunch	
	<ul style="list-style-type: none"> • Korero • Entertainment 	1.00pm – 2.30pm	Dr Jim Gibb – “Fodderbeet is a kiwi innovation – developing systems for profitable beef and sheep production – the potential for iwi farming’
		2.30pm – 3.15pm	TBA
		3.30pm – 4.30pm	Pilots and models – regional engagement
		5.00pm	Poroporoaki

Sir Turi Carroll 1890–1975

Ngati Kahungunu leader, farmer and local politician

Alfred Thomas Carroll (Kara) was born at Wairoa, in northern Hawke’s Bay, on 24 August 1890, the youngest of three children of Thomas Carroll, a farmer, and his wife, Mako Kaimoana. At an early age he became known as Turi, after an ancestor, Turiparera. His father was one of eight children of Sydney-born Irishman Joseph Carroll and his wife, Tapuke, a Ngati Kahungunu woman of high rank, through whom the family land at Huramua was acquired. One of Thomas's brothers was Sir James Carroll. Turi was descended from Te Kapuamatotoru and Te Whewhera through their son, Tiakiwai.

Turi's parents arranged for their children to receive their first schooling at the Huramua homestead (sometimes called Hurumua), and Turi later attended Wairoa School. When his father died in 1904, his uncle, James Carroll, recognised qualities of leadership in Turi, and needing an heir in his many political and economic ventures, he arranged for him to receive a better education. After spending 1905 at Wanganui Collegiate School, he went to Te Aute College. In 1909 he began studying for a diploma in agriculture and animal husbandry at the Canterbury Agricultural College. A keen sportsman, he represented the college at cricket and rugby. He graduated in 1911, then took over management of the 2,200-acre family farm.

During the First World War Carroll took an active part in recruitment for the Maori Contingent. Although initially turned down for active service because he had lost the sight in his left eye, he went overseas in 1917 with the New Zealand Expeditionary Force. He became a sergeant and was wounded just before the end of the war. He returned to New Zealand in 1919. In the same year, he played in the Pioneer (Maori) Battalion rugby team.

On 4 March 1922, in Wairoa, Carroll married Parehuia Shrimpton, the daughter of Atamira Haeata and her husband, Walter Shrimpton. The couple were to have one daughter, Mako, but brought up many other children.

Like his uncle, Turi felt a strong need to be bicultural, and to use the skills and knowledge gained in the Pakeha world for the benefit of Maori. Unlike his uncle, however, his political involvement was initially mainly at the local level. In 1926 he was elected to the Wairoa County Council to represent the Waiau Riding. At the time it was rare for Maori to be elected to such a body. Carroll remained on the council until 1959, serving as chairman from 1938. He was also elected to other local bodies: the Wairoa Hospital Board, Electric-power Board and Harbour Board.

As well as running the Huramua station, Carroll was active in a number of farming organisations. He served on the board of the Wairoa Co-operative Dairy Company, and was chairman in 1933–34. He was a member of the Wairoa Farmers’ Union, and chairman of the Wairoa Agricultural and Pastoral Association. He was also chairman of the Maori incorporated blocks in the Wairoa district and believed that the shareholders should retain and develop their land. His work in raising the standard of farming in the area earned him a Bledisloe Medal in 1940.

Carroll was indefatigable in his work for the Maori people. He worked with Apirana Ngata to provide farming schemes for Maori. From 1928 he served on the Kahungunu Maori Council. He played a prominent role in planning and financing Takitimu, a carved meeting house at Waihirere marae, which was completed in 1938 as a memorial to Sir James Carroll. When the Young Maori Conferences were held in 1939 and 1959, to work out practical programmes to assist Maori development and welfare, he attended the first and was president of the second. Mindful of the high incidence of tuberculosis among Maori, he was instrumental in forming a tuberculosis association in Wairoa. He was also a member of the New Zealand Maori golf and lawn tennis associations.

After the Second World War, Carroll's concern for the welfare of returned Maori soldiers led him to serve on the local rehabilitation committee. He sold 1,700 acres of the family property to the Native Department for use as a training centre for Maori returned servicemen. When they had gained farming certificates they became eligible to enter ballots for farms. The Huramua land was divided into 14 farms, and many trainees were settled there. In 1946 Carroll made over the remainder of his farm to his daughter and son-in-law.

With the passing of the Maori Social and Economic Advancement Act 1945, Carroll became a member of the Kahungunu Tribal Executive. In 1949 he was supported by Peter Fraser, the prime minister and minister of Maori affairs, in setting up the East Coast Maori Trust Council, which in 1954 handed over control of the trust lands to the Maori owners. In 1949 Carroll stood unsuccessfully for the Eastern Maori seat as a National Party candidate.

Carroll was made an OBE in 1952, and was knighted in 1962. From around this time, he became involved with various national organisations. He was a member of the Maori Education Foundation, and was trustee for the Mitchell Scholarship, established by J. H. Mitchell from the proceeds of his book *Takitimu* to enable students to attend secondary school. In June 1962 he was elected president of the New Zealand Maori Council of Tribal Executives. This became the New Zealand Maori Council in January 1963, and he retained the position until 1967. While president he was spokesman for the Maori people at the Waitangi reception during the royal visit of 1963. His role on the council was dogged by increasing conflict among younger Maori leaders: he was regarded as exemplifying a rural, conservative style of tribal leadership, which the educated, professional leaders of the 1960s found increasingly problematic, and overly accepting of Pakeha goals.

A devout Anglican, Carroll was a member of the diocese of Waiapu synod for 20 years, and was a people's warden of the Wairoa–Mohaka Maori pastorate. As a long-serving member of the Wairoa College board of governors, he proposed the motto 'Kia mataara' (Be alert), for the school. He was a foundation member of the Rotary Club of Wairoa, and served as president in 1949–50. With other members of Ngati Kahungunu and Tuhoe he signed an agreement with the government in September 1969 that leased the bed of Lake Waikaremoana to the Urewera National Park Board.

Carroll's wife, Parehuia, who had supported him in all his undertakings, died in 1965. After a bad fall at the age of 80, when he broke his hip, Carroll was cared for by his daughter, Mako. The committee meetings of the land incorporations were subsequently held at his home. Sir Turi Carroll died at Huramua station on 11 November 1975. He lay in state on the Taihoa marae, where hundreds came to pay their respects, before being taken to the Takitimu marae for the funeral service. The cortège following the hearse to the family cemetery was over a mile long.

Jinty Rorke. 'Carroll, Turi', from the Dictionary of New Zealand Biography. Te Ara - the Encyclopedia of New Zealand, updated 6-Jun-2013
URL: <http://www.TeAra.govt.nz/en/biographies/4c12/carroll-turi>

Working draft



Te Wairoa District

Marae Broadband Project



October 2015

Introduction

Marae traditionally formed the heart of Māori communities, but as people have moved out of rural areas and into the towns and cities many of the rural Marae around the country have seen reduced activity. However in communities like Te Wairoa the network of Marae is still strong.

In addition to their social and cultural significance, Te Wairoa's 37 Marae are an extremely important part of the wider community infrastructure. They also have an important role to play, along side the Council's halls and schools, as community centres for Civil Defence emergencies, and therefore good and robust communications are vital.

In the rugged hill country that forms much of Te Wairoa, communications is limited to traditional telephones connected to copper. Cell phone reception is patchy at best and access to the internet is by old dial-up modems or by expensive and slow satellite systems. This leaves communities isolated and is one factor in the drift to the towns and cities.

Te Wairoa is lucky to have two fixed radio wireless internet networks; Gisborne.Net and Evolution Wireless and as their networks expand, the reach of the internet is slowly increasing. The Wairoa District Council is investigating working with these network providers to ensure that all Marae are connected to the internet and that they are also able to provide Wi-Fi from their connection to their immediate Marae community as a way of driving internet penetration and increasing the attractiveness and resilience of these communities.

Strategy

The Wairoa District Council has recently completed a Digital Enablement Plan (Appendix 1) as part of the response to the Government's stage two broadband initiatives. This proposal to connect all of Te Wairoa's Marae is a key part of that Plan.

This initiative is also compatible with the Hawke's Bay Region's Digital Enablement Plan (see below) that seeks to increase the reach of broadband infrastructure across the Region and peoples access to it.

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HAWKE'S BAY REGIONAL COUNCIL DIGITAL ENABLEMENT PLAN**Part B: Hawke's Bay Regional Projects and Initiatives**

The table below identifies projects that will take place across the region or pilot projects undertaken in a specific TLA area with the potential for that project to be considered for wider application across the region in the future.

Project	Description	Related Objective(s)	Lead Council/Agency
<i>Digital Marae</i>	<i>Increasing "community resilience" of remote rural areas for and at times of Civil Defence Emergency</i>	Objective 2 Supporting Community Development <ul style="list-style-type: none"> - <i>Improving community wellbeing</i> - <i>Eliminating problems that arise from lack of proximity</i> - <i>Improving accessibility for communities</i> - <i>Increasing "good usage" (including safe behaviour) of digital services</i> 	<i>Wairoa District Council</i>

This project follows and draws upon a successful project that has connected 42 Ngati Porou Marae around Gisborne and the East Cape. It is hoped that this Te Wairoa initiative will lead the way in the Hawke's Bay and see the connection of all Marae in this region.

Broadband access

Te Wairoa has amongst the lowest access to the internet in New Zealand. This is partly due to remoteness and the rugged hill country that makes up much of the district, but most importantly it is due to the socio-economic status of much of our community and an ability to pay.

Te Wairoa access to telecommunications

Household access	Cell phone	Telephone	Internet
Māori descent	68%	69%	53%
Other ethnicity	61%	77%	60%
Total	66%	72%	56%
New Zealand	83%	82%	78%

In Wairoa Township all properties can receive ADSL over copper and a good proportion can receive VDSL. These services are available from multiple ISPs. In addition most of the town can receive broadband from 3G (Vodafone, 2-Degrees and Spark) and from fixed radio broadband (Gisborne.Net and Evolution Wireless).

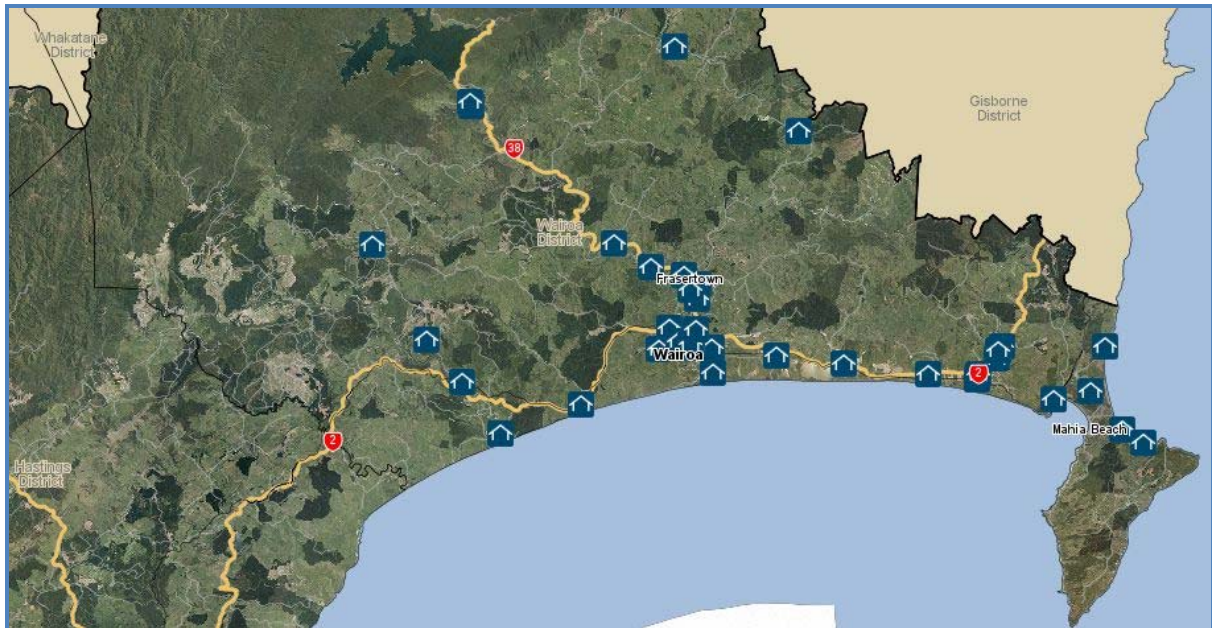
DRAFT

In rural Te Wairoa most properties can receive satellite services through Farmside, however this service is apparently slow and is expensive.

Broadband in Marae

Te Wairoa has 37 operational Marae distributed across the district. Of these all but five can be connected to existing fixed radio repeater sites.

Distribution of operational Marae in Te Wairoa



This project intends to offer a mains power independent connection to the internet to all of the District's Marae and to help negotiate an attractive monthly connection fee with an ISP. The intention is that this connection will serve each Marae and a limited area around Marae with free Wi-Fi. In areas where there is no cell phone reception, investigation will be made into installing micro cell sites.

Broadband access benefits

Connectivity to the internet is a given - at home, at work, and at school. It's a natural progression that the many benefits of the internet should be extended to centres of iwi and community, namely Marae. As hubs of activity, Marae are default family centres, cultural hubs, health clinics, educational schools, entertainment venues and much more. Indeed, it could be said Marae are potential innovation hubs also.

Access to the internet at each Marae will bring social, cultural and economic benefits:

- Connection to the internet will aid in the running of Marae;

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- Connections will allow Marae communities to undertake social, cultural and economic activities;
- Access to the internet will be one incentive to attract whanau back to Marae and help to keep them in the community;
- Access to the internet will support Marae to become more relevant for young people;
- Access to the internet will support Marae to become more attractive to hire for events;
- Access to the internet will allow Marae communities and their visitors to maintain connection with whanau and friends;
- Access to the internet at Marae will help families who cannot afford connections in their home;
- Connection to the internet at Marae will increase exposure of the benefits of connectivity;
- Connection to the internet will allow for educational activities at Marae;
- A connection to the internet, particularly the Wi-Fi coverage will allow for small business activities; and,
- A connection to the internet will allow for remote monitoring for fire and burglary and lower insurance costs.

From the Wairoa District Council's point of view, the network of Marae combined with community halls and schools form a strategic network of welfare facilities for civil defence. However to be really useful these sites need good communications, and preferably communications that are mains power independent. Internet connections with battery back-up and solar re-charging will contribute greatly to community resilience.

In the East Cape project, their network has also been used extensively by health and education service providers.

Equipment Requirements

- Each Marae has to be able to 'see' a hill-top repeater away from interference from trees. On early investigation it appears that out of the 37 Marae, only 5 will need a new repeater. Repeaters cost \$3,000 - \$6,000 and the full cost need not fall on this project as each repeater can serve other customers in the area.
- To connect, each Marae needs a small microwave dish attached to the roof and a small electronic unit. A small unit with a 0-8km range is \$150, while the larger dish with an 8-20km range is \$250.

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- The associated electronics and the Wi-Fi transmitter bring the cost of the two set-ups to \$330 and \$430 respectively.
- An 80 Watt Solar Panel, Solar Power Regulator and a battery for each site is \$480.
- Micro cell equipment from Vodafone costs between \$300 and \$1,200 depending on range. However usefulness is limited by it only covering Vodafone customers. To justify the cost micro cells that can connect to more than one network are required.

Initial Project Costings**Capital costs**

Receiving and transmitting equipment for each Marae	\$12,780
Solar power and battery back-up units	\$17,280
Repeaters (a share of?)	\$20,000
TOTAL.....	<u>\$50,060</u>

Operating costs

The standard Gisborne.Net charges in rural areas for a 5-30mbs symmetric connection with no data cap is \$75 +GST per month for residential connections and \$110 +GST per month for a business connection. A VOIP phone connection with free domestic and international toll calling is \$11.50 per month from CallPlus Ltd.

However the business proposal prepared by First Tribe identifies that Gisborne.Net is prepared to discount these charges quite considerably for this community purpose. First Tribe also offers additional services (Appendix 3). Wai Whai Marae is a service of First Tribe. They can manage the entire aspect of rolling out Wai Whai in Marae regionally and nationally. First Tribe's Wai Whai covers three aspects of service:

1. Planning and implementation;
2. Marae network management; and,
3. Services.

At this point there is no proposal to fund the operational costs of this proposal and Marae would need to fund that themselves or seek funding grants. However a broadband connection with a VOIP phone would replace existing prone connections where Marae have them and monitoring of fire and intruder detection systems should reduce insurance premiums.

Funding

Funding is being investigated for this project; options include:

- **Civil Defence** – There is a CDEM Resilience Fund that appears to be a good match to this proposed project.

The purpose of the CDEM Resilience Fund is to enhance resilience to civil defence emergencies through the development of local and regional civil defence emergency management capability. Funding will be provided to local authorities to undertake specific projects that will improve civil defence emergency management capability and contribute towards resilience. The fund will support a strategic targeting of investment in CDEM capability, focussing investment on the areas of greatest benefit and enabling a collaborative approach to be undertaken across the sector. Applications to the Fund must be made with the approval of the Civil Defence Emergency Management Group.

- **MBIE and the Rural Broadband Initiative** - The Government recently announced its intention to extend its two flagship broadband initiatives with additional funding, and establish a new initiative to expand mobile coverage.
 - Ultra-Fast Broadband (UFB) extension;
 - Rural Broadband Initiative (RBI) extension;
 - Mobile Black Spot Fund; and,
 - Selection process for Ultra-Fast Broadband 2, Rural Broadband Initiative 2, and Mobile Black Spot Fund programmes.

The RBI programme has been extended with an additional \$100 million fund made available through extending the Telecommunications Development Levy. The government is seeking input from communities, councils and service providers, and the fund will be allocated through an open tender process.

This project was flagged as part of the Digital Enablement Plan process (attached as Appendix 1) and an approach will be made to MBIE to seek advice on funding options.

- **Community and gaming funding** – It is likely that this project may meet the criteria for funding from the Lotteries Commission and/or community gaming trusts.

Appendix 1

Te Wairoa Digital Enablement Plan

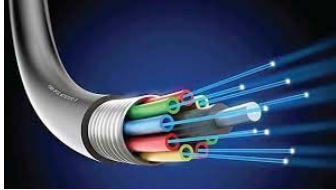
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WAIROA DISTRICT COUNCIL

PO Box 54, Wairoa – Telephone (06) 838-7309 – Facsimile (06) 838-8874

DIGITAL ENABLEMENT PLAN



Vision and Objectives

A community where all households, businesses and visitors have easy access to fast affordable broadband, and modern communications that meets their needs and expectations.

- All community facilities will have access to broadband, and be able to provide Wi-Fi coverage to their immediate surroundings, including;
 - Council offices;
 - Libraries;
 - Community halls;
 - Schools; and,
 - Marae.
- All residents of Te Wairoa are able to access and afford a broadband connection to their home;
- No businesses, nor prospective new businesses, in Te Wairoa are restricted by broadband availability, cost, or speed; and,
- All main roads, major tourist attractions and their surroundings are covered by 3G or 4G coverage for voice and data by multiple suppliers.

Issues

- Most of Wairoa Township can subscribe to ADSL on copper, and a reasonable section of the town can receive VDSL. All of the township and many of the District's villages can receive good quality microwave based internet connections (e.g. Gisborne.Net). However, 44% of the District's households still have no access to the internet. This is not an engineering problem, nor a lack of competition issue, it is an ability to pay problem.

Te Wairoa access to telecommunications

Household access	Cell phone	Telephone	Internet
Māori descent	68%	69%	53%
Other ethnicity	61%	77%	60%
Total	66%	72%	56%
New Zealand	83%	82%	78%

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- Fibre runs through the District, west to east along SH2, and north to Tuai along SH38. In Wairoa township there is a fibre connection to the Hawke's Bay District Health Centre and 3 of the 4 schools. Other than the fibre connection to the Council offices no further fibre connections are known. Enquiries to Chorus reveal connection costs so high that it is unlikely that there will be any users of this part of the network in the short to medium term.
- Businesses in town who have looked at fibre have found that even the connection cost is too expensive to justify.
- Only half of Te Wairoa's 14 schools and kura are connected to (and using) fibre based broadband. The remainder of schools rely mainly on a microwave based network (Gisborne.Net predominantly). While this network provides good service at this point, it does mean that Te Wairoa's schools are likely to fall behind schools in other parts of the country that are connected to fibre.
- Te Wairoa's rural areas are rugged and even though the local microwave network has much better reach than the existing copper based systems it is only growing slowly. The Council will support growth and repeater installation where it can, and government assistance is requested.
- Across much of Te Wairoa, cell phone reception is non-existent or poor and where there is coverage it is often limited to either one or other of the main networks. At least as far as the State Highways are concerned this needs to be fixed urgently for both safety and productivity reasons.

Projects and key actions**Schools**

The Council will continue to lobby government agencies to ensure that all schools have the opportunity (and funding) to connect to, and gain the full benefits of, optic fibre based ultrafast broadband.

Marae

Te Wairoa's 37 Marae are an extremely important part of our community infrastructure. They also have an important role, along side the Council's halls, as community centres for Civil Defence emergencies, and therefore good and robust communications are vital. The Council is investigating working with Gisborne.Net and others to ensure that all Marae are connected to the internet and that they are also able to provide Wi-Fi from their connection to their immediate Marae community.

Urban Wi-Fi

In order to address the 'ability to pay' problem for internet access in Te Wairoa the Council in its consultation document for the 2015/2025 Long Term Plan, consulted with the community on an urban Wi-Fi network funded by property rates for Wairoa and Frasertown townships. The Council developed a proposal for funding such a network as part of the LTP process. Community reservations to this proposal's funding plan saw its withdrawal at this time and further feasibility work will be undertaken before further consultation.

Digital Council services

The Council will continue to explore productivity and efficiency initiatives and innovations, delivering Council services electronically where possible and practical. This will be done through standard websites, social media, and smart phone apps. It is the Council's intention to set an example for other businesses and service providers in the District.

Appendix 2

Te Wairoa Marae Costings

Marae	Address	Receiving set-up	Solar unit	Repeater
MAHIA				
Ruawharo Marae	6 Opoutama Road	\$330.00	\$480.00	N/A
Te Rakato Marae	256 Kaiwaitau Road	\$330.00	\$480.00	N/A
Tuahuru Marae	644 Mahia East Coast Road	\$430.00	\$480.00	N/A
Kaiuku (Oku-ra-renga) Marae	349 Mahia East Coast Road	\$430.00	\$480.00	N/A
Ma hanga (Rongomaiwahine)	728 Mahanga Road	\$430.00	\$480.00	N/A
NUHAKA				
Tane Nui A Rangi Marae	3563 State Highway 2, Nuhaka	\$330.00	\$480.00	N/A
Tamakahu Marae	3504 State Highway 2, Nuhaka	\$330.00	\$480.00	N/A
Te Poho o Te Rehu (Te Rehu) Marae	24 Mataraua Road, Nuhaka	\$330.00	\$480.00	N/A
Te Kotahitanga Marae	1 Epanaia Street, Nuhaka	\$430.00	\$480.00	N/A
Kahungunu ki Nuhaka (Te Tahinga) Marae	2 Mataira Street, Nuhaka	\$430.00	\$480.00	N/A
Manutai Marae	10 Tahaenui Road, Nuhaka	\$330.00	\$480.00	\$5,000.00
Whakaki Marae	1731 State Highway 2	\$430.00	\$480.00	N/A
Iwitea Marae	115 Iwitea Road	\$330.00	\$480.00	N/A
WAIROA				
Te Rauhina (Kihitu) Marae	452c Rauhina Roadway, Wairoa	\$330.00	\$480.00	N/A

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Marae	Address	Receiving set-up	Solar unit	Repeater
Taihoa Marae	174 State Highway 2 North, Wairoa	\$330.00	\$480.00	N/A
Takitimu (Waihirere) Marae	19 Waihirere Road, Wairoa	\$330.00	\$480.00	N/A
Tawhiti A Maru Marae	24 Ruataniwha Road, Wairoa	\$330.00	\$480.00	N/A
Ruataniwha Marae	144 Ruataniwha Road, Wairoa	\$330.00	\$480.00	N/A
Hinemihi Marae	314 Ruataniwha Road, Wairoa	\$330.00	\$480.00	N/A
Whaakirangi Marae	171 Frasertown Road, Wairoa	\$330.00	\$480.00	N/A
Huramua Marae	18 Huramua East Road, Wairoa	\$330.00	\$480.00	N/A
FRASERTOWN				
Te Mira Marae	489 State Highway 38, Frasertown	\$330.00	\$480.00	N/A
Putahi Marae	609 Frasertown Road, Frasertown	N/A	N/A	N/A
Aranui Marae	122 Aranui Road, Frasertown	\$330.00	\$480.00	N/A
Pakowhai Marae	94 Pakowhai Road, Frasertown	\$330.00	\$480.00	N/A
Arimawha Marae	Awamate Road, Frasertown	\$330.00	\$480.00	N/A
Rangiahua Marae	331 Rangiahua Road, Rangiahua	\$330.00	\$480.00	N/A
TUAI				
Waimako Marae	4905 Lake Road / SH38, Tuai	\$330.00	\$480.00	N/A
Te Kuha Marae	Kuha Pa Road (4853 SH38), Tuai	\$330.00	\$480.00	N/A
TE REINGA				
Te Reinga Marae	22 Te Reinga Marae Road, Te Reinga	\$430.00	\$480.00	\$5,000.00
Erepeti Marae	1728 Ruakituri Road, Ruakituri	\$330.00	\$480.00	N/A
Kurahikakawa (Waihua) Marae	2051 State Highway 2, Waihua	\$430.00	\$480.00	\$5,000.00
RAUPUNGA				
Te Huki Marae	36 Putere Road, Raupunga	\$430.00	\$480.00	\$5,000.00
Waiapapa-a-Iwi Mohaka	582 Mohaka Township Road, Mohaka	\$330.00	\$480.00	N/A

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Marae	Address	Receiving set-up	Solar unit	Repeater
Te Kahu-o-Te-Rangi Marae	582 Mohaka Township Road, Mohaka	\$330.00	\$480.00	N/A
Te Mara-A-Ngata (Kahungunu)	649 Putere Road, Raupunga	\$330.00	\$480.00	N/A
Putere Marae	2084 Putere Road, Raupunga	\$330.00	\$480.00	N/A

TOTAL		\$12,780.00	\$17,280.00	\$20,000.00
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Appendix 3

First Tribe Technology Systems

Proposal for Marae Connectivity in the Wairoa District

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Proposal for Marae Connectivity in the Wairoa District

for

Wairoa District Council





Tuesday, 16 September 2015

CONTENTS

- 1. OVERVIEW**
- 2. SCOPE**
- 3. BUSINESS CASE**
- 4. MARAE ANALYSIS**
- 5. SOLUTION PLANS**
- 6. MAI WHAI SERVICE OPTION PLANS**

Marcus Lloyd
Managing Director
First Tribe Ltd

31 Bright St, Gisborne
021 706473



1. OVERVIEW

Wairoa District Council have developed a succinct and capable Digital Enablement Plan encompassing:

- All community facilities will have access to broadband, and be able to provide Wi-Fi coverage to their immediate surroundings, including;
 - Council offices;
 - Libraries;
 - Community halls;
 - Schools; and,
 - Marae.
- All residents of Te Wairoa are able to access and afford a broadband connection to their home;
- No businesses, nor prospective new businesses, in Te Wairoa are restricted by broadband availability, cost, or speed; and,
- All main roads, major tourist attractions and their surroundings are covered by 3G or 4G coverage for voice and data by multiple suppliers.

The team of Roger Matthews (Transformation Manager), Kitea Tipuna (Communications Strategist), and David Tipoki (Maori Relationship Manager) have approached local ISP Gisborne.net and Marae Wireless expert Marcus Lloyd (First Tribe Ltd) to consider a Wireless Broadband roll out plan for 34 Marae in the region.

In 2014, in the space of 3 months, Marcus Lloyd implemented a 42 Marae rollout of high speed wireless internet and broadband for Ngati Porou marae from Potaka on the east cape to Whangara.

The project was called Wai Whai. This included wireless antennae, line of sight pointed to backbone network repeaters of Gisborne.Net. The roll out was deemed a great success. The services at the marae are well utilised and highly praised by whanau, marae community and also the many services that use the network.

The efficient project management of "Wai Whai - Ngati" ensured costs were reasonable and time to roll out was beyond expectation.

2. SCOPE

The purpose of this proposal is to provide some value propositions, delivery requirements and key people to help install 34 Wairoa Marae with wireless internet. Those requirements include:

1. Provide a business case
2. Present user benefits
3. Suggest a high level project roll out option
4. Provide costings and time frames
5. Suggest ongoing service provision across the Marae network

3. BUSINESS CASE

Connectivity to the Internet is a given. At home, at work, at school. It's a natural progression, that the many benefits of the internet be extended to centres of Iwi and community, namely Marae. As hubs of activity, Marae are default family centres, cultural hubs, health clinics, educational schools, entertainment venues and much, much, more. Indeed, it could be said Marae are innovation hubs also.

There has been significant focus on and investment in laying a redundant fibre link around the east coast, and also upgrading and extending fibre through the Rural Broadband to Rural program to improve infrastructure and links to community schools. This has included wholesale upgrades to communications towers (Mobile carriers, wireless ISP's, radio links etc) throughout the region and upgrades to internet providers also.

The region now has the technical capability to deliver strong, and diverse wireless solutions to isolated areas. Hawkes Bay, along with Poverty Bay, have typically the most challenging terrain to navigate in the North Island. Standard internet connection via ADLS, VDSL or Fibre is limited or overly costly at this stage. Typical costs for fibre are around \$1000 per meter laying with associated services costs, as of yet, undetermined specifically by providers.

Wireless radio link however, is a more than viable solution, with the ability to deliver up 100 Megabytes per second across a network spanning hundreds of repeaters (Gisborne.Net) at strategic hill sites throughout the region. (See map attached).

Potential returns on having marae connected include:

- Access to Internet across the region
- Wifi services for visitors
- Video conference streaming
- Ability to hold wananga and store data via cloud capability
- Network security and online site management
- Internet camera
- Civil Defence connection hub
- Links to health networks for rural health care workers
- Links to educational providers

4. MARAE ANALYSIS

Information required for marae wireless capability has been provided by council transformation manager, and Leon Symes of Wairoa Wireless Communications. Additionally, a Google Earth, kmz file of the marae locations with links to existing Gisborne.net repeaters is also attached.

Te Wairoa Marae

Data from - <https://hbviewer.nz/> and <http://wdc-gis/IntraMaps80/>

Marae	Address	GPS Coordinates WGS84 Lat Long	NZGD2000	Internet connected?	Able to see Gisborne Net repeater?	
MAHIA						
Ruawhoro Marae	6 Opoutama Road	177.829821, -39.060068	2018002, 5665449	No	Mahanga AP	Station Dish
Te Rakato Marae	256 Kaiwaitau Road	177.873128, -39.050620	2021765, 5666279	No	Mahanga AP	Station Dish
Tuuhuru Marae	644 Mahia East Coast Road	177.936381, -39.093722	2026996, 5661208	No	Morere AP	Dyna Dish
Kaiuku (Oku-ra-renga) Marae	349 Mahia East Coast Road	177.911861, -39.083165	2024936, 5662494	No	Wheatstone AP (Gisborne)	Dyna Dish
Ma□hanga (Rongomaiwahine)	728 Mahanga Road	177.885942, -39.009974	2023147, 5670738	No	Kinikini AP	Dyna Dish
NUHAKA						
Tane Nui A Rangī Marae	3563 State Highway 2, Nuhaka	177.767074, -39.014636	2012808, 5670786	?	Morere AP	Station Dish
Tamakahu Marae	3504 State Highway 2, Nuhaka	177.763293, -39.018969	2012458, 5670312	?	Morere AP	Station Dish
Te Poho o Te Rehu (Te Rehu) Marae	24 Mataraua Road, Nuhaka	177.762690, -39.025700	2012364, 5669583	?	Morere AP	Station Dish



Te Kotahitanga Marae	1 Epanaia Street, Nuhaka	177.742526, -39.041055	2010526, 5667957	?	Moreere AP	Dyna Dish
Kahungunu ki Nuhaka (Te Tahinga) Marae	2 Mataira Street, Nuhaka	177.740713, -39.045573	2010342, 5667458	?	Moreere AP	Dyna Dish
Manutai Marae	10 Tahaenui Road, Nuhaka	177.684340, -39.043549	2005465, 5667943	?	(Repeater Required)	Station Dish
Whakaki Marae	1731 State Highway 2	177.586117, -39.037137	1996970, 5669071	Gisborne.Net	Kinikini AP	Dyna Dish
Iwitea Marae	115 Iwitea Road	177.506949, -39.033876	1990166, 5669795	?	Waiaatai AP	Station Dish
WAIROA						
Te Rauhina (Kihitu) Marae	452c Rauhina Roadway, Wairoa	177.435135, -39.051878	1983852, 5668089	?	Wairoa AP	Station Dish
Taihoa Marae	174 State Highway 2 North, Wairoa	177.432449, -39.028338	1983747, 5670683	?	Wairoa AP	Station Dish
Takitimu (Waihirere) Marae	19 Waihirere Road, Wairoa	177.410143, -39.029715	1981801, 5670679	?	Wairoa AP	Station Dish
Tawhiti A Maru Marae	24 Ruataniwha Road, Wairoa	177.408568, -39.026089	1981688, 5671075	?	Wairoa AP	Station Dish
Ruataniwha Marae	144 Ruataniwha Road, Wairoa	177.395249, -39.024529	1980471, 5671317	?	Wairoa AP	Station Dish
Hinemithi Marae	314 Ruataniwha Road, Wairoa	177.372213, -39.032223	1978479, 5670546	?	Wairoa AP	Station Dish



Whaakirangi Marae	171 Frasertown Road, Wairoa	177.413273, -39.012945	1982175, 5672494	?	Wairoa AP	Station Dish
Huramua Marae	18 Huramua East Road, Wairoa	177.382022, -39.013538	1979461, 5672581	?	Wairoa AP	Station Dish
FRASERTOWN						
Te Mira Marae	489 State Highway 38, Frasertown	177.412241, -38.986008	1982235, 5675534	?	Awamate AP	Station Dish
Putahi Marae	609 Frasertown Road, Frasertown	177.413859, -38.973307	1982426, 5676945	Evolution Wireless	Awamate AP	Station Dish
Aranui Marae	122 Aranui Road, Frasertown	177.405456, -38.977267	1981666, 5676505	?	Awamate AP	Station Dish
Pakowhai Marae	94 Pakowhai Road. Frasertown	177.396972, -38.964283	1981012, 5677960	?	Awamate AP	Station Dish
Arimawha Marae	Awamate Road, Frasertown	177.358186, -38.958790	1977692, 5678755	?	Ardkeen AP	Station Dish
Rangiahua Marae	331 Rangiahua Road, Rangiahua	177.314434, -38.939752	1973999, 5681050	?	Ardkeen AP	Station Dish
TUAI						
Waimako Marae	4905 Lake Road / SH38, Tuai	177.140006, -38.817546	1959473, 5695321	?	LakeRoad AP	Station Dish







Te Kuha Marae	Kuha Pa Road (4853 SH38), Tuai	177.142042, -38.821827	1959637, 5694838	?	LakeRoad AP	Station Dish
TE REINGA						
Te Reinga Marae	22 Te Reinga Marae Road, Te Reinga	177.520454, -38.829470	1992477, 5692409	?	(Repeater Required)	
Erepeti Marae	1728 Ruakituri Road, Ruakituri	177.398997, -38.765582	1982254, 5700041	?	Ruakituri AP	Station Dish
Kurahikakawa (Waihua) Marae	2051 State Highway 2, Waihua	177.284286, -39.084062	1970616, 5665150	?	(Repeater Required)	
RAUPUNGA						
Te Huki Marae	36 Putere Road, Raupunga	177.146519, -39.070090	1958787, 5667240	?	(Repeater Required)	
Waiapapa-a-Iwi Mohaka	582 Mohaka Township Road, Mohaka	177.193789, -39.115300	1962620, 5662060	?	Mohaka AP	Station Dish
Te Kahu-o-Te-Rangi Marae	582 Mohaka Township Road, Mohaka	177.193789, -39.115300	1962641, 5662048	?	Mohaka AP	Station Dish
Te Mara-A-Ngata (Kahungunu)	649 Putere Road, Raupunga	177.102184, -39.033916	1954979, 5671448	?	Kotemaori AP (Planned)	Station Dish
Putere Marae	2084 Putere Road, Raupunga	177.036316, -38.950078	1949787, 5681019	?	Cricklewood AP	Station Dish



5. SOLUTION PLANS (*These options are the minimum wholesale cost, ex.gst)

There are two wireless installation options available for Wat Whai: Dyna Dish, and Station Dish. A repeater option for sites not in line of site with current repeaters; Solar units for sites needing power, and a VOIP phone option.

Dyna Dish	Equipment	Wholesale Rate (+gst)	Station Dish	Equipment	Wholesale Rate (+gst)
	MikroTik Dyna Dish (8-20km range)	\$250.00		MikroTik Dyna Dish (0-8km range)	\$150.00
	Dyna Dish Power pack	\$ 10.00		Dyna Dish Power pack	\$ 10.00
	20 Metre Cat 6 Ethernet Cable	\$ 25.00		20 Metre Cat 6 Ethernet Cable	\$ 25.00
	POE Power Link Integrator	\$ 10.00		POE Power Link Integrator	\$ 10.00
	Unit Brace Frame	\$ 15.00		Unit Brace Frame	\$ 15.00
	Sub Total	\$310.00		Sub Total	\$210.00
	MikroTik Wifi Unit	\$120.00		MikroTik Wifi Unit	\$120.00
	Total	\$430.00		Total	\$330.00

35 Marae \$15,050.00

35 Marae \$11,550.00

Solar Unit	Equipment	Wholesale Rate (+gst)	Repeater	Wholesale Rate (+gst)
	80 Watt Solar Panel	\$150.00		30-60 days installation
	Solar Power Regulator	\$ 80.00		Site agreement and access Easement
	Battery	\$250.00		

Connection Plan Options	Details	Cost (+gst)
Standard Home Plan	5-30mbs/unlimited data	\$75
Business Plan	5-100mbs/unlimited data	\$110
Wat Whai Plan - Low*	5-30mbs/up to 50 Gigs	\$35
Wat Whai Plan - High*	5-30mbs/more than 50 Gigs	\$60

*Plans can be discounted in line with possible additional Wireless business requirements.

6. WAI WHAI SERVICE OPTION PLANS

Wai Whai Marae is a service of First Tribe. We can manage the entire aspect of rolling out Wai Whai in Marae regionally and nationally.

Wai Whai covers three aspects of service:

1. Planning and implementation
2. Marae network management
3. Services

Our planning includes:

- planning and project management
- community engagement
- sourcing of equipment
- vendor relationship
- managing installation

Our Wai Whai network management includes:

- technical support
- real time 24/7 network monitoring
- troubleshooting

Our Wai Whai services includes:

- Mai Wai Whai extended connection (join the extended marae network with its discounts, benefits and services)
- Network security and site monitoring
- ISP Marae-to-home internet options
- Extended Vodafone mobile coverage (SureSignal)
- Marae video conferencing services
- VOIP marae phone services

First Tribe is happy to work with you to determine which services would best serve your requirements.



Wai Whai Planning		\$5000-\$20,000
WP1	Planning	Full business case
WP2	Project management	End to end
WP3	Community engagement	Communications
WP4	Managing installation	Work teams, schedules
WP5	Hardware & Vendor	Negotiations, contracts

WaiWhai Network Management		\$10 per marae per month
WN1	Technical Support Services	Maintenance, troubleshooting
WN2	Real time 24/7 network monitoring	Live monitoring, live access, alerts etc

Mai Wai Whai services		\$POA
MW1	Mai Wai Whai National Network	Linked to marae all over the country
MW1a	<ul style="list-style-type: none"> Mai Wai Whai Health 	Telehealth services
MW1b	<ul style="list-style-type: none"> Mai Wai Whai Safety 	Surveillance, Security, Civil Defence
MW1c	<ul style="list-style-type: none"> Mai Wai Whai Education 	Distance Education
MW2	ISP Marae-to-home internet options	The marae link can provide internet to surrounding homes
MW3	Marae video conferencing services	For hui, AGM, wananga, whanau events
MW4	Vodafone mobile coverage (SureSignal)	Vodafone mobile coverage via Gis.net
MW5	VOIP marae phone services	Voice over Internet phones at marae

We would be happy to discuss more specifically your needs. We are happy to be engaged at any stage of the plan.

First Tribe are more than excited about the steps WDC are taking to support Marae connectivity. We feel our experience and service would compliment this process and we express our keen interest to assist this roll out.

Kia Kaha to mahi,

Nga mihi nui,
Marcus Lloyd

Managing Director First Tribe Technology Systems

31 Bright Street
Gisborne

021 706 473

ACTIONS FOR THE ORDINARY MEETING OF WAIROA DISTRICT COUNCIL MAORI STANDING COMMITTEE HELD ON FRIDAY, 8 MAY 2015

Item	Title	Description	Who	When	Status
1.	ORAKA RESERVE MANAGEMENT PLAN MEETINGS	What were the outcomes/resolutions of this meeting	David T/Nicky B	ASAP	Work in Progress
2.	WAIPIATA STREAM: OPOUTAMA	Investigate a digger taking rocks out of Waipiata Stream	David T/Kitea	ASAP	Have been advised this was the work of DOC/Aram Goes. COMPLETE
3.	FREEDOM CAMPING MEETINGS IN WAIKAREMOANA AND MAHIA	Confirm dates and venues within the month of May	David T/Helen	ASAP	Mahia 23May Tuaī 28 May COMPLETE
4.	MEETING DATES	Include meeting schedule as part of the Agenda and Papers	David T	ASAP	Work in Progress COMPLETE
5.	WHAKAMAHIA	Support, advice and guidance offered to project manager and team. <ul style="list-style-type: none"> • Proper name for Whakamahia • Protocols for recognition of waahi tapu 	David T/Roger/Paul Kelly	ASAP	Work in Progress
6.	OFFICES AND PUBLIC FACILITIES	Guidance on the location of public facilities which may back onto the carvings at the entrance of the WDC Offices Consultation with original carvers/artists/kaiwhakairo <ul style="list-style-type: none"> • Broughton, Sandy Adsett etc 	David T	ASAP	Received answer from Broughton Johnson. COMPLETE
7.	MAORI POLICY	Wananga to update the WDC Maori Policy. Aim for Sept Council Meeting to have signed off	David T	ASAP	Work in Progress 17 July Meet
8.	GAIEITY THEATRE DEVELOPMENTS	Reopening of the Gaiety - Gala Dinner 30 May Support and guidance for arrival of film crew	David T	ASAP	Done COMPLETE
9.	LOCAL GOVERNMENT COMMISSION AND AMALGAMATION	Response from Basil Morrison	David T	ASAP	Received COMPLETE

Item	Title	Description	Who	When	Status
10.	Marumaruru Kent Rd Quarry and QRS	Check progress on anticipated works at the quarry.	David T	ASAP	Spoke with Bert Hooper 15/5/2015 1:46pm. No work this year, under review. COMPLETE
11	INVITE HBRC TO NEXT MSC MEETING		David T		COMPLETE
12.	LETTER TO HAPORI HAUMANU RE THEIR WORK PROGRAMME	Direct to Duane Culshaw	David T		COMPLETE
13	HBDB Fluoridation	The committee craft a recommendation to Council at their next meeting on this subject after the results of the amalgamation poll.	All	11/9/2015	COMPLETE
14	Waiver form for marae photos	Councillor Flood suggested that with the revision of the Maori Policy it may be opportune for MSC to ask marae committees for updated information for the Council's long term planning.	David T		COMPLETE
15	Sending out Agenda	HN asked for agenda to be sent week prior to MSC meeting	David T	ASAP	COMPLETE
16	Marumaruru Quarry issue	K Hammond passed on a request for a formal letter and acknowledgement to the hapu on the progress on this issue	David T		
17	Whakamahia urupa	Council could look at identifying the boundary and physically define it for this cemetery (urupa).	Paul K	11/9/2015	
18	Road Naming	Follow up progress and initiate name changes, eg Parakiwai Rd	David T	11/9/2015	Spoke to Libby, will follow up and report back.