

Notice is hereby given that an ordinary meeting of the Horowhenua District Council will be held on:

Date: Wednesday 13 October 2021
Time: 4.00 pm
Meeting Room: Council Chambers
Venue: 126-148 Oxford St
Levin

Council

OPEN AGENDA

MEMBERSHIP

Mayor	Mr Bernie Wanden	
Deputy Mayor	Mrs Jo Mason	
Councillors	Mr David Allan	
	Mr Wayne Bishop	
	Mr Ross Brannigan	
	Mr Todd Isaacs	
	Mr Sam Jennings	
	Mrs Victoria Kaye-Simmons	
	Mr Robert Ketu	
	Mrs Christine Mitchell	
	Ms Piri-Hira Tukapua	
Reporting Officer	Mr David Clapperton	(Chief Executive)
Meeting Secretary	Mrs Karen Corkill	

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Website: www.horowhenua.govt.nz

Full Agendas are available on Council's website
www.horowhenua.govt.nz

Full Agendas are also available to be collected from:
Horowhenua District Council Service Centre, 126 Oxford Street, Levin
Te Awahou Nieuwe Stroom, Foxton,
Shannon Service Centre/Library, Plimmer Terrace, Shannon
and Te Takeretanga o Kura-hau-pō, Bath Street, Levin

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1 Apologies

2 Public Participation

Due to COVID-19 Alert Level 2 restrictions, this meeting will be held in person; however, members of the public will not be able to attend. The meeting will be livestreamed on Council's Live Meetings page and a screen will be set up in the foyer area of Council's main office for members of the public who wish to watch the meeting, but do not have internet access at home. Guidelines for visiting Council's Customer Service Centres can be viewed on Council's website: <https://www.horowhenua.govt.nz/Council/Council-Meetings> .

Public Participation will be by way of written submission, which will be read out during the meeting. Written submissions will be required by 12 noon on the day of the meeting by email to public.participation@horowhenua.govt.nz.

3 Late Items

To consider, and if thought fit, to pass a resolution to permit the Council to consider any further items which do not appear on the Agenda of this meeting and/or the meeting to be held with the public excluded.

Such resolution is required to be made pursuant to Section 46A(7) of the Local Government Official Information and Meetings Act 1987, and the Chairperson must advise:

- (i) The reason why the item was not on the Agenda, and
- (ii) The reason why the discussion of this item cannot be delayed until a subsequent meeting.

4 Declarations of Interest

Members are reminded of their obligation to declare any conflicts of interest they might have in respect of the items on this Agenda.

5 Confirmation of Minutes

5.1 Meeting minutes Council Open & In Committee, 8 September 2021

5.2 Meeting minutes Extraordinary Meeting of Council, 29 September 2021

6 Announcements

Foxton Community Board

There will be an update on behalf of the Foxton Community Board.

Proceedings of the Foxton Community Board 30 August 2021

File No.: 21/370

1. Purpose

To present to the Council the minutes of the Foxton Community Board meeting held on 30 August 2021.

2. Recommendation

- 2.1 That Report 21/370 Proceedings of the Foxton Community Board 30 August 2021 be received.
- 2.2 That the Council receives the minutes of the Foxton Community Board meeting held on 30 August 2021.
- 2.3 That this matter or decision be recognised as not significant in terms of s76 of the Local Government Act 2002.
- 2.4 That, as recommended by the Foxton Community Board, the vacancy on the Foxton Community Board caused by the resignation of Ms Newland not be filled due to there being 12 months or less before the next triennial general election.

3. Issues for Consideration

The following item considered by the Foxton Community Board meeting held on 30 August 2021 requires further consideration by the Horowhenua District Council:

Resignation of Foxton Community Board Member

The Foxton Community Board had received a letter of resignation from Ms Newland, effective from Friday 15 October 2021, with the Board accepting the resignation. After discussion on whether or not the vacancy should be filled, the Board passed the following resolution:

“THAT the Foxton Community Board recommends to Council that the vacancy on the Board not be filled, due to there being 12 months or less before the next triennial general election.”

Council’s ratification of this recommendation is now sought.

Attachments



There are no attachments for this report.

Confirmation of statutory compliance

In accordance with section 76 of the Local Government Act 2002, this report is approved as:

- a. containing sufficient information about the options and their advantages and disadvantages, bearing in mind the significance of the decisions; and,
- b. is based on adequate knowledge about, and adequate consideration of, the views and preferences of affected and interested parties bearing in mind the significance of the decision.

Signatories

Author(s)	David Clapperton Chief Executive	
Approved by	David Clapperton Chief Executive	

Foxton Community Board

OPEN MINUTES

Minutes of a meeting of the Foxton Community Board held via audio visual link on Monday 30 August 2021 at 6.00pm.

PRESENT

Chairperson Mr D J Roache
Deputy Chairperson Ms P R Metcalf
Members Cr D A Allan
Cr R J Brannigan
Mr T J Chambers
Mr J F Girling

IN ATTENDANCE

Reporting Officer Mr D M Clapperton (Chief Executive)
Ms C H Marheine (Meeting Secretary)

ALSO IN ATTENDANCE

Mayor B Wanden

1 Apologies

An apology was recorded for Ms Ngaire Newland.

MOVED by Cr Chambers, seconded Cr Brannigan:

THAT the apology from Ms N J Newland be accepted.

CARRIED

2 Public Participation

There were no requests for public participation.

3 Late Items

There were no late items.

4 Declarations of Interest

There were no declarations of interest.

5 Confirmation of Minutes

MOVED by Ms Metcalf, seconded Mr Girling:

THAT the minutes of the meeting of the Foxtton Community Board held on Monday, 28 June 2021, be confirmed as a true and correct record.

CARRIED

6 Announcements

There were no announcements.

7 Reports

7.1 Monitoring Report to 30 August 2021

Purpose

To present to Foxtton Community Board the updated monitoring report covering requested actions from previous meetings of the Community Board.

MOVED by Ms Metcalf, seconded Cr Allan:

THAT Report 21/340 Monitoring Report to 30 August 2021 be received.

THAT this matter or decision be recognised as not significant in terms of s76 of the Local Government Act 2002.

CARRIED

Page 8 FB Reserves Investment Plan

Ms Metcalf reiterated that the Board had agreed to utilise the Foxtton Beach Freeholding Account for the refurbishing of the promenade, and asked if this should be formalised. Mr Roache noted he thought this had been formalised, but recognised the Board have not yet received the proposed cost, and asked Mr Clapperton for his advice.

Mr Clapperton advised the Board to wait for the scope and cost for the project to be provided before a recommendation is made to Council for approval to use funding from the Freeholding account for this project.

Page 10 Foxtton East Drainage Scheme

Mr Roache noted at the last meeting there was discussion around the Cook Street flooding and Mr Clapperton agreed an on-site discussion with Council officers could be beneficial to identifying solutions.

Mr Roache requested this be added to the monitoring report.

7.2 Chairperson's Report to 30 August 2021

Purpose

To present to the Foxtton Community Board matters relating to the Foxtton Community Board area.

MOVED by Mr Roache, seconded Ms Metcalf:

THAT Report 21/341 Chairperson's Report to 30 August 2021 be received.

THAT these matters or decisions be recognised as not significant in terms of s76 of the Local Government Act 2002.

CARRIED

3.1 Resignation of Foxton Community Board Member

Mr Roache moved that the letter of resignation from Ms Newland be accepted and that a letter of response be sent to Ms Newland thanking her for her contribution to the Board.

The Board discussed the vacancy and whether to fill the position. Mr Clapperton requested the item be left on the table to the end of this report while he sought clarity on the process so the Board could make an informed decision.

3.2 Foxton Tourism and Development Association

Mr Roache spoke to the report and noted it was mainly for information. Mr Roache highlighted the successful business breakfast held to discuss the installation of security cameras within Foxton and noted in response to the survey following the breakfast an evening event was to be organised to continue the discussion with those who could not attend the breakfast.

3.3 Foxton War Memorial Hall Update

Mr Russell took the report as read and asked the Board if there were any questions. Ms Metcalf queried if the issue noted in the report relating to the proposed constitution and the wind up clause with the Council had been followed up.

Mr Russell confirmed the Interim Committee was liaising with the Charities Commission to seek clarification of their wording and they would then come back to Council with the advice received.

3.5 Board Member Update

Ms Metcalf took the report as read and highlighted the increase in group attendance at the MAVtech museum. Ms Metcalf asked if the Board had any questions.

Cr Allan thanked Ms Metcalf for her report and asked if the MAVtech Business Plan and Strategic Plan could be shared with the Community Board. Ms Metcalf agreed and advised she would arrange for this to be sorted.

Manawatu Estuary Trust - public consultation was underway for the viewing platforms. There had been a public meeting scheduled for 4 September, but this had been postponed to a later date.

3.6 Foxton Beach Freeholding Account

There were two queries raised by the Board around the Freeholding Account forecast, the first question was whether the minus (39) thousand underneath the bottom line for June Actuals was a typo.

The second question related to the Forbes Road subdivision extension and the allocated funding being reduced from \$2.27M to \$800K. Council officers advised this was decided by Council through the LTP discussions. Mr Roache asked for further clarification on why the decision was made to reduce the funding. Mr Clapperton advised further clarification would be sought and provided to the Board on the decision. Mr Roache asked for this to be included at the next FCB meeting.

Before the meeting closed Mr Clapperton asked that the Board return to the discussion around the extraordinary vacancy on the Board. Mr Clapperton summarised the relevant Section of the Local Electoral Act 2001 under Section 117 (3). The Board is required to determine by resolution—

- (a) that the vacancy will be filled by the appointment by the local authority or local board or community board of a person named in the resolution who is qualified to be elected as a member; or
- (b) that the vacancy is not to be filled.

There was further discussion around the two options outlined in the Local Electoral Act and Mr Clapperton offered some guidance to the Chair, and suggested it would be good for the Board members to share their preferred option.

The Board members all outlined their preferred option and it was decided to keep the resolution as it is and to leave the vacancy and carry on with one less.

Mr Girling offered to pick up FCB representation on the Wildlife Foxton Trust for the remainder of the term.

MOVED by Mr Roache, seconded Mr Chambers:

THAT the Foxton Community Board accepts the letter of resignation from Ms Newland.

CARRIED

MOVED by Mr Chambers, seconded Mr Girling:

THAT the Foxton Community Board recommends to Council that the vacancy on the Board not be filled, due to there being 12 months or less before the next triennial general election.

CARRIED

6.40 pm

There being no further business, the Chairperson declared the meeting closed.

CONFIRMED AS A TRUE AND CORRECT RECORD
AT A MEETING OF THE FOXTON COMMUNITY
BOARD HELD ON

DATE:.....

CHAIRPERSON:.....

Proceedings of the Community Funding and Recognition Committee 15 September 2021

File No.: 21/406

1. Purpose

To present to the Council the minutes of the Community Funding and Recognition Committee meeting held on 15 September 2021.

2. Recommendation

- 2.1 That Report 21/406 Proceedings of the Community Funding and Recognition Committee 15 September 2021 be received.
- 2.2 That the Council receives the minutes of the Community Funding and Recognition Committee meeting held on 15 September 2021.
- 2.3 That the Horowhenua District Council ratifies the following Round 1 2021/2022 community grant allocations:

Community and Social Services Grant

<i>The Hearing Association Horowhenua Branch Incorporated</i>	\$1,000.00
<i>Age Concern Horowhenua</i>	\$2,000.00
<i>Living Well Counselling Centre</i>	\$2,500.00
<i>Horowhenua Sports Academy</i>	\$2,500.00
<i>Horowhenua SuperGrans trading as Skills4Living</i>	\$5,000.00
<i>MAVtech (The National Museum of Audio Visual Arts and Sciences of NZ Trust)</i>	\$2,000.00
<i>Waikawa Beach Ratepayers Association</i>	\$391.00
<i>Hinemoa Boxing Club Levin Incorporated</i>	\$2,000.00
<i>Birthright Levin Inc</i>	\$1,824.00
<i>Refreshed Creations Trust</i>	\$957.75
<i>Te Awahou Kai</i>	\$3,500.00
<i>English Language Partners NZ Trust (Horowhenua Kapiti Centre)</i>	\$1,800.00
Total	\$25,472.75

Community Development Grant

<i>Age Concern Horowhenua</i>	\$1,500.00
<i>St Mary Kiribati Catholic Group</i>	\$1,000.00
<i>Moutoa Māori Wardens</i>	\$3,000.00
<i>OnBoard Skate Incorporated</i>	\$4,690.00
<i>Levin Waitarere Surf Life Saving Club</i>	\$5,908.58
<i>Levin Citizens Advice Bureau</i>	\$3,000.00

<i>Children's Day Event Committee</i>	\$2,000.00
<i>Horowhenua Breathe Easy Support Group</i>	\$750.00
<i>Foxton Windmill Trust Incorporated</i>	\$1,500.00
<i>Foxton Lions Club</i>	\$1,500.00
<i>Te Whare Mahana Community Hub</i>	\$6,000.00
Total	\$30,848.58

Vibrant Communities Grant

<i>Shannon Christmas Carnival Event</i>	\$3,000.00
<i>Foxton Windmill Trust Incorporated</i>	\$3,000.00
<i>MAVtech (The National Museum of Audio Visual Arts and Sciences of NZ Trust)</i>	\$2,665.00
<i>Horowhenua District Neighbourhood Support</i>	\$4,900.00
<i>Foxton Beach Community Centre</i>	\$2,520.98
Total	\$16,085.98

Special Projects Grant

<i>Tokomaru Opiki Community Support and Civil Defence</i>	\$740.00
<i>Hope Kete</i>	\$8,686.96
<i>Foxton Beach Community Centre</i>	\$1,000.00
<i>Refreshed Creations Trust</i>	\$2,060.00
Total	\$12,486.96

Rural Halls Grant

<i>Tokomaru Community Hall</i>	\$12,000.00
<i>Manakau Hall</i>	\$6,471.58
<i>Mangahao (Mangaore) Hall</i>	\$7,183.28
<i>Koputaroa Hall Society</i>	\$4,345.14
Total	\$30,000.00

3. Issues for Consideration

The following items considered by the Community Funding and Recognition Committee meeting held on the 15 September 2021 will require further consideration by the Horowhenua District Council and will be included on a future Council agenda:

Attachments


There are no attachments for this report.


Confirmation of statutory compliance

In accordance with section 76 of the Local Government Act 2002, this report is approved as:

- a. containing sufficient information about the options and their advantages and disadvantages, bearing in mind the significance of the decisions; and,
- b. is based on adequate knowledge about, and adequate consideration of, the views and preferences of affected and interested parties bearing in mind the significance of the decision.

Signatories

Author(s)	Neil Hirini Community Development Advisor	
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Approved by	Nicki Brady Deputy Chief Executive	
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Community Funding and Recognition Committee

OPEN MINUTES

Minutes of a meeting of Community Funding and Recognition Committee held in the HDC Ante Room, 126-148 Oxford St, Levin, on Wednesday 15 September 2021 at 2.30 pm.

PRESENT

Chairperson Cr P Tukapua
Members Cr D A Allan
Cr T N Isaacs
Cr S J R Jennings
Cr R R Ketu
Mayor B P Wanden

IN ATTENDANCE

Reporting Officer Mr N Hirini (Community Development Advisor)
Mrs M Rogerson (Acting Community Wellbeing & Engagement Manager)

1 Apologies

There were no apologies.

2 Declarations of Interest

Declarations of interest were received from:

- Mayor Bernie Wanden - Living Well Counselling Service
- Mayor Bernie Wanden - Birthright
- Mayor Bernie Wanden - Presbyterian Support Services
- Mayor Bernie Wanden - Horowhenua Neighbourhood Support Group
- Mayor Bernie Wanden - Horowhenua Breathe Easy
- Mayor Bernie Wanden - Weraroa Cricket Club
- Cr Todd Isaacs - Weraroa Cricket Club
- Cr Robert Ketu - Shannon Christmas Carnival
- Cr Piri-Hira Tukapua - Altrusa
- Cr Piri-Hira Tukapua - Weraroa Cricket Club
- Cr Piri-Hira Tukapua - Shannon Xmas Carnival.

3 Confirmation of Minutes

MOVED by Cr Allan, seconded Cr Isaacs:

THAT the minutes of the meeting of the Community Funding and Recognition Committee held on Wednesday, 9 June 2021, be confirmed as a true and correct record.

CARRIED

4 Announcements

There were no announcements.

5 Reports

5.1 Community Funding and Recognition Committee Round 1 2021/2022 Grants Allocation

Purpose

To present the Round 1 2021 / 2022 grant applications and officer reports to the Community Funding & Recognition Committee for consideration. Grant applications are being considered from the following grant funds:

- Community and Social Services Grant
- Community Development Grant
- Vibrant Communities Grant
- Special Projects Grant
- Rural Halls Grant.

MOVED by Cr Allan, seconded Cr Isaacs:

THAT Report 21/369 Community Funding and Recognition Committee Round 1 2021/2022 Grants Allocation be received.

THAT this matter or decision be recognised as not significant in terms of s76 of the Local Government Act 2002.

CARRIED

Discussion commenced on the various grants, but with more time required to complete deliberations, the meeting adjourned at 4.00 pm to reconvene on Wednesday, 22 September 2021, at 3.00 pm.

The meeting reconvened at 4.00 pm on Wednesday, 22 September 2021, at 3.00 pm. N.B. Cr Robert Ketu was not present. No apology received.

MOVED by Cr Allan, seconded Cr Isaacs:

THAT the Horowhenua District Council ratifies the Round 1 2021/2022 Grants Allocations as follows:

Community and Social Services Grant

<i>The Hearing Association Horowhenua Branch Incorporated</i>	<i>\$1,000.00</i>
<i>Age Concern Horowhenua</i>	<i>\$2,000.00</i>
<i>Living Well Counselling Centre</i>	<i>\$2,500.00</i>
<i>Horowhenua Sports Academy</i>	<i>\$2,500.00</i>
<i>Horowhenua SuperGrans trading as Skills4Living</i>	<i>\$5,000.00</i>
<i>MAVtech (The National Museum of Audio Visual Arts and</i>	<i>\$2,000.00</i>

<i>Sciences of NZ Trust)</i>	
<i>Waikawa Beach Ratepayers Association</i>	\$391.00
<i>Hinemoa Boxing Club Levin Incorporated</i>	\$2,000.00
<i>Birthright Levin Inc</i>	\$1,824.00
<i>Refreshed Creations Trust</i>	\$957.75
<i>Te Awahou Kai</i>	\$3,500.00
<i>English Language Partners NZ Trust (Horowhenua Kapiti Centre)</i>	\$1,800.00
Total	\$25,472.75

Community Development Grant

<i>Age Concern Horowhenua</i>	\$1,500.00
<i>St Mary Kiribati Catholic Group</i>	\$1,000.00
<i>Moutoa Māori Wardens</i>	\$3,000.00
<i>OnBoard Skate Incorporated</i>	\$4,690.00
<i>Levin Waitarere Surf Life Saving Club</i>	\$5,908.58
<i>Levin Citizens Advice Bureau</i>	\$3,000.00
<i>Children's Day Event Committee</i>	\$2,000.00
<i>Horowhenua Breathe Easy Support Group</i>	\$750.00
<i>Foxton Windmill Trust Incorporated</i>	\$1,500.00
<i>Foxton Lions Club</i>	\$1,500.00
<i>Te Whare Mahana Community Hub</i>	\$6,000.00
Total	\$30,848.58

Vibrant Communities Grant

<i>Shannon Christmas Carnival Event</i>	\$3,000.00
<i>Foxton Windmill Trust Incorporated</i>	\$3,000.00
<i>MAVtech (The National Museum of Audio Visual Arts and Sciences of NZ Trust)</i>	\$2,665.00
<i>Horowhenua District Neighbourhood Support</i>	\$4,900.00
<i>Foxton Beach Community Centre</i>	\$2,520.98
Total	\$16,085.98

Special Projects Grant

<i>Tokomaru Opiki Community Support and Civil Defence</i>	\$740.00
<i>Hope Kete</i>	\$8,686.96
<i>Foxton Beach Community Centre</i>	\$1,000.00
<i>Refreshed Creations Trust</i>	\$2,060.00
Total	\$12,486.96

Rural Halls Grant

<i>Tokomaru Community Hall</i>	\$12,000.00
<i>Manakau Hall</i>	\$6,471.58
<i>Mangahao (Mangaore) Hall</i>	\$7,183.28
<i>Koputaroa Hall Society</i>	\$4,345.14
Total	\$30,000.00

CARRIED

6 Transfer of Funds

MOVED by Cr Isaacs, seconded Cr Allan:

THAT the \$4,527.25 Round 1 2021-2022 Community and Social Services Grant balance be transferred to Round 2 2021-2022 Community Development Grant and the \$7513.04 Round 1 2021-2022 Special Projects Grant balance be transferred to Round 2 2021-2022 Vibrant Communities Grant.

CARRIED

3.45 pm

There being no further business, the Chairperson declared the meeting closed.

CONFIRMED AS A TRUE AND CORRECT RECORD
AT A MEETING OF THE COMMUNITY FUNDING
AND RECOGNITION COMMITTEE HELD ON

DATE:.....

CHAIRPERSON:.....

Proceedings of the Finance, Audit & Risk Committee 29 September 2021

File No.: 21/421

1. Purpose

To present to the Council the minutes of the Finance, Audit & Risk Committee meeting held on 29 September 2021.

2. Recommendation

- 2.1 That Report 21/421 Proceedings of the Finance, Audit & Risk Committee 29 September 2021 be received.
- 2.2 That the Council receives the minutes of the Finance, Audit & Risk Committee meeting held on 29 September 2021.

3. Issues for Consideration

There are no items considered by the Finance, Audit & Risk Committee that require further consideration.

Attachments



There are no attachments for this report.

Confirmation of statutory compliance

In accordance with section 76 of the Local Government Act 2002, this report is approved as:

- a. containing sufficient information about the options and their advantages and disadvantages, bearing in mind the significance of the decisions; and,
- b. is based on adequate knowledge about, and adequate consideration of, the views and preferences of affected and interested parties bearing in mind the significance of the decision.

Signatories

Author(s)	Nicki Brady Deputy Chief Executive	
Approved by	Nicki Brady Deputy Chief Executive	

Finance, Audit & Risk Committee

OPEN MINUTES

Minutes of a meeting of the Finance, Audit & Risk Committee held in the Council Chambers, Horowhenua District Council, Levin, on Wednesday 29 September 2021 at 4.00 pm.

PRESENT

Chairperson	Mr P Jones	
Deputy Chairperson	Mrs C B Mitchell	
Members	Mr D A Allan	
	Mr W E R Bishop	
	Mr R J Brannigan	
	Mr T N Isaacs	
	Mr B J Jackson	
	Mr S J R Jennings	
	Mrs V M Kaye-Simmons	
	Mr R R Ketu	
	Mrs J F G Mason	
	Ms P Tukapua	(to 5.20 pm)
	Mayor B P Wanden	

IN ATTENDANCE

Reporting Officer	Mrs J Straker	(Chief Financial Officer)
	Mr D M Clapperton	(Chief Executive)
	Mrs N Brady	(Deputy Chief Executive)
	Mr D McCorkindale	(Group Manager – Customer & Strategy)
	Mr B Maguire	(Group Manager – Infrastructure Development)
	Mrs L Slade	(Group Manager – People & Culture)
	Mr J Paulin	(Financial Accountant)
	Mrs A Crawford	(Water & Waste Services Manager)
	Mrs A Huria	(Business Performance Manager)
	Mrs K J Corkill	(Meeting Secretary)

ALSO IN ATTENDANCE

Mr A Young	(The Horowhenua Company Limited)
Ms C McKay	
Mr M O'Connor	(Bancorp Treasury Services Ltd)

1 Apologies

There were no apologies; however, Cr Tukapua advised she may have to leave the meeting before it concluded.

2 Public Participation

21/378 Two Month Report 1 July 2021 – 31 August 2021 Statement of Comprehensive Revenue and Expense by Activity – Solid Waste

The Chair declined Mr Graeme Lindsay's request for public participation and did not read out his submission, as it focussed on the Levin Landfill, it was beyond the scope of the actual Agenda item.

3 Late Items

There were no late items.

4 Declarations of Interest

21/347 Economic Development Services – Activity Update

As this report was for information only, Cr Jennings said he would not formally step away from the table for this item.

5 Confirmation of Minutes

MOVED by Mr Jackson, seconded Cr Isaacs:

THAT the minutes of the meeting of the Finance, Audit & Risk Committee held on Wednesday, 25 August 2021, be confirmed as a true and correct record.

CARRIED

6 Announcements

There were no announcements.

7 Reports

7.1 Economic Development Services - Activity Update

Purpose

To provide the Finance, Audit and Risk (FAR) Committee with the Horowhenua New Zealand Trust end of contract report for Economic Development Services, 1 October 2018 to 30 September 2021.

With the Trust now being three years old, Mr Anthony Young (HNZT Chair) and Catriona McKay (Chief Executive) gave a PowerPoint presentation covering some of the Trust's highlights, particularly those with a community focus, stressing that things were very positive, with their goal being to build on their achievements. They then responded to questions from Elected Members.

MOVED by Cr Allan, seconded Cr Brannigan:

THAT Report 21/347 Economic Development Services - Activity Update be received.

THAT this matter or decision be recognised as not significant in terms of s76 of the Local Government Act 2002.

CARRIED

Bancorp Treasury

Mr Miles O'Connor from Bancorp Treasury, introduced himself, and gave a PowerPoint presentation which covered what Bancorp did and his role in terms of Bancorp's relationship with Council.

Cr Tukapua left the meeting (5.20 pm).

7.2 Projects Steering Group - Activity Update

Purpose

To report to the Finance, Audit & Risk Committee on the projects being reported on and discussed by the Projects Steering Group on 1 September 2021.

Speaking to the report, Cr Mitchell, PSG Chair, noted that this was the first of what would be regular reporting to the FAR Committee, explaining the role of the group and expanding on the various items in the report.

MOVED by Cr Mitchell, seconded Cr Allan:

THAT Report 21/394 Projects Steering Group - Activity Update be received.

THAT this matter or decision be recognised as not significant in terms of s76 of the Local Government Act 2002.

CARRIED

7.3 Two Month Report 1 July 2021 - 31 August 2021

Purpose

To present to the Finance, Audit & Risk Committee the financial report for the two months to 31 August 2021.

Requesting that the report be taken as read, Mrs Straker and Mrs Brady responded to queries:

- In relation the \$100,000 for the Welcoming Communities Programme, whilst there were a range of things that entailed, part of the programme (and one of the largest components) required Council to employ a coordinator and that person had been appointed. They would set up the programme but would also be working with Council's partners to do some of the other parts of the programme. Mrs Brady to circulate the scope of the programme to Councillors.
- There was an NZTA subsidy on the Emergency works on Gladstone Road. A correction was noted on page 41: Poads Road should read Gladstone Road.
- With not as much funding anticipated from NZTA and how that could impact budgets and capital expenditure over the next year, Council may need to consider reprioritisation of some projects.

- MOVED by Mr Jackson, seconded Cr Jennings:

THAT Report 21/378 Two Month Report 1 July 2021 - 31 August 2021 be received.

THAT this matter or decision be recognised as not significant in terms of s76 of the Local Government Act 2002.

CARRIED

7.4 Monitoring Report - Internal Audit Recommendations - 01 July 2018 to 30 June 2019

Purpose

To present to the Finance, Audit & Risk Committee the Internal Audit Monitoring Report for the year ended 30 June 2019.

MOVED by Cr Jennings, seconded Cr Mitchell:

THAT Report 21/372 Monitoring Report - Internal Audit Recommendations - 01 July 2018 to 30 June 2019 be received.

THAT this matter or decision be recognised as not significant in terms of s76 of the Local Government Act 2002.

CARRIED

7.5 Finance, Audit and Risk Committee Work Programme

Purpose

To provide the Finance, Audit and Risk Committee with an outline of a Draft Work Programme for consideration alongside receipt of the Final Internal Audit Report.

The Chair noted that this was mainly for information and would be progressively updated.

Following the debate on the Three Waters Reform, it was suggested, because of the risks that entailed for Council both financially and democratically, time should be spent over the next few months looking at Council's Risks Register and what those risks were in terms of the potential changes.

The Chair agreed, noting that a Risk Report was included for the October FAR meeting. He was going to have discussions as to what that report would look like, including what the 5-10 top risks were for Council. From his perspective, he saw the reform of Local Government, combined with the RMA reform, as actually more significant in terms of risk for Council than the Three Waters Reform and consideration needed to be given as to how those risks would be monitored as they changed through the process.

What had been learned during the recent CouncilMARK process was also suggested to be included in terms of the risk conversation.

The Mayor said he would be having a meeting tomorrow in terms of adding things to the work programme and he requested Councillors to let him know if there was anything they would like to be included.

With a Rates Review Stage One – Affordability scheduled in the Works Programme for November, Mrs Straker advised that may be preceded by a briefing (or briefings) prior to it getting to a public workshop stage.

MOVED by Cr Kaye-Simmons, seconded Cr Brannigan:

THAT Report 21/392 Finance, Audit and Risk Committee Work Programme be received.

THAT this matter or decision be recognised as not significant in terms of s76 of the Local Government Act 2002.

THAT the Finance, Audit & Risk Committee receives the Finance, Audit and Risk Committee Work Programme.

CARRIED

7.6 FAR Committee – Actions

Purpose

To report back to the Finance, Audit & Risk Committee on requested actions.

MOVED by Cr Jennings, seconded Cr Isaacs:

THAT Report 21/379 FAR Committee - Actions be received.

THAT this matter or decision be recognised as not significant in terms of s76 of the Local Government Act 2002.

CARRIED

5.59 pm

There being no further business, the Chairperson declared the meeting closed.

CONFIRMED AS A TRUE AND CORRECT RECORD
AT A MEETING OF THE FINANCE, AUDIT & RISK
COMMITTEE HELD ON

DATE:.....

CHAIRPERSON:.....

File No.: 21/400

Mayoral Report - September 2021

1. Purpose

For His Worship the Mayor to report to Council on the community events and Council-related meetings attended;

AND FURTHER

To provide Councillors the opportunity to give a brief verbal update on conference/forums attended, or the activities of those organisations/groups for which they are a Council representative.

2. Recommendation

- 2.1 That Report 21/400 Mayoral Report - September 2021 be received.
- 2.2 That this matter or decision be recognised as not significant in terms of S76 of the Local Government Act.

3. Mayoral Report – August 2021 Meetings and Events

Meetings, events and functions that Mayor Wanden attended during the month of September 2021 were:

- Regional Leadership Group meeting I
- Mayors' Taskforce for Jobs meeting
- Kainga Ora meeting
- Three Waters Update meeting
- Catch up with MP Terisa Ngobi
- Three Waters webinar
- Regional Leadership Group meeting II
- Climate Action Joint Committee meeting
- Regional Chiefs' meeting
- Emergency Management Joint Standing Committee meeting
- Regional Transport Committee meeting
- Wellington Regional Leadership Committee meeting
- Te Tumatakahuki : HDC hui
- Entity C Mayors and CEs meeting with Allan Prangnell, DIA
- Three Waters briefing for Council
- September Council Meeting
- MTFJ-MSD Community Recovery Programme - Zoom meeting Group 5
- North Island Regional Passenger Rail Connector
- Lake Horowhenua FMU Water Quality Interventions Governance Group
- Regional Leadership Group Meeting III
- Lake Horowhenua Trust : HDC : Horizons meeting – Weed Harvester Project
- Three Waters Reform - Council briefing
- Community Funding & Recognition Committee meeting
- Three Waters Reform – discussion with Mayor Walker from Central Hawkes Bay District Council
- Three Waters Reform – Council briefing
- Three Waters Reform – Mayor's update

- The Horowhenua Company meeting
- Three Waters Reform – Council briefing
- Representation Review – meeting with Muaūpoko Tribal Authority Board members
- Lake Horowhenua Trust : HDC : Horizons meeting – Weed Harvester Project
- Entity C Mayors and CEs meeting
- Age Concern AGM
- Community Funding & Recognition Committee meeting II
- Council briefing – CouncilMARK
- Representation Review – meeting with Te Tumatakahuki
- Representation Review – meeting with Te Runanga o Raukawa
- Future of Local Government – briefing planning meeting
- Webinar for Elected Members - Virtual Roadshow of the Australian Water Reform Journey - Module one
- Representation Review - Shannon - drop in session
- Horizons Regional Council Meeting - speaking rights re Lake Horowhenua weed harvester
- Webinar for Elected Members - Virtual Roadshow of the Australian Water Reform Journey - Module two
- Representation Review - Drop in session – HDC
- Representation Review - Foxton - drop in session
- Extraordinary Council meeting
- Finance, Audit & Risk Committee meeting
- College Principals and Mayoral meeting
- Webinar for Elected Members - Virtual Roadshow of the Australian Water Reform Journey - Module Three
- Representation review - Tokomaru - drop in session
- Shannon Development Group meeting.


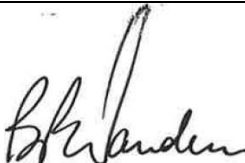
Confirmation of statutory compliance

In accordance with section 76 of the Local Government Act 2002, this report is approved as:

- a. containing sufficient information about the options and their advantages and disadvantages, bearing in mind the significance of the decisions; and,
- b. is based on adequate knowledge about, and adequate consideration of, the views and preferences of affected and interested parties bearing in mind the significance of the decision.

4. Appendices

There are no attachments for this report.

Author(s)	Bernie Wanden Mayor	
Approved by	Bernie Wanden Mayor	

Monitoring Report to 1 October 2021

File No.: 21/401

1. Purpose

To present to Council the updated monitoring report covering actions arising from resolutions from previous Council meetings and also requested Officer actions.

2. Recommendation

- 2.1 That Report 21/401 Monitoring Report to 1 October 2021 be received.
- 2.2 That this matter or decision be recognised as not significant in terms of s76 of the Local Government Act 2002.

Attachments



No.	Title	Page
A	Horowhenua District Council Monitoring Report	30

Confirmation of statutory compliance

In accordance with section 76 of the Local Government Act 2002, this report is approved as:

- a. containing sufficient information about the options and their advantages and disadvantages, bearing in mind the significance of the decisions; and,
- b. is based on adequate knowledge about, and adequate consideration of, the views and preferences of affected and interested parties bearing in mind the significance of the decision.

Signatories

Author(s)	David Clapperton Chief Executive	
Approved by	David Clapperton Chief Executive	

MONITORING – Substantive Council Resolutions						
Item No.	Meeting Date	Item Description	Resolved / Action	Responsible Officer	Progress Status	Officer Comment
21/290	30 June 2021	Lincoln Place Reserve - Levinable	<i>THAT the Horowhenua District Council resolves that Lincoln Place Reserve becomes a mixed option of reserve land, home to the Levinable accessible playground, and medium density residential housing. THAT the Horowhenua District Council authorises Officers to pursue revocation of the current reserve status of the Lincoln Place Reserve under Section 24 of the Reserves Act, and initiate a plan change for the site to facilitate affordable medium density housing.</i>	Arthur Nelson		Officers met with the organisers of Levinable on 22/07/2021 to discuss the project. Further actions are ongoing.

MONITORING – Officer Actions							
Item/ Report No.	Meeting & Date	Item/Report Description	Query/Action	Responsible Officer	Date to Action by	Progress Status	Officer Comment
20/405	23/09/20	Three Waters Service Delivery Reforms/Stimulus	Criteria to be defined for the allocation of funding under the Resource	Asli Crawford			Interviews completed and conditional offers have been made to 5 students and 1

MONITORING – Officer Actions							
Item/ Report No.	Meeting & Date	Item/Report Description	Query/Action	Responsible Officer	Date to Action by	Progress Status	Officer Comment
		Programme	Matauranga Māori project.				student is already at university. Memorandum of Understanding will be signed once 5 students accepted by respective universities within the subjects outlined.
20/469	09/12/20	CE's Report – 3.2 <u>Growth Dashboard</u>	Provision of data on the following to be explored: <ul style="list-style-type: none"> • build-ready lots • infrastructure (wastewater/water supply) capacity • housing affordability 	David McCorkindale		In progress	Growth Reporting is a key focus area for 2021/22 within the Chief Executive's Key Performance Indicators. As part of delivering on this the Chief Executive has announced a new Group Manager Housing and Business Development role which will be recruited and be responsible for developing the growth reporting data that will be used by elected members and officers to track growth trends and progress against the LTP 2021-41 forecasting assumptions.
21/319	11/08/21	<u>FCB Minutes – FB Reserves Plan – Holben Reserve</u>	Elected Members to be given the opportunity to attend the second workshop to be held on Holben Reserve	David Clapperton		In progress	A report will go to the October 2021 FCB meeting, outlining the proposed scope of works.

MONITORING – Officer Actions							
Item/ Report No.	Meeting & Date	Item/Report Description	Query/Action	Responsible Officer	Date to Action by	Progress Status	Officer Comment
			development options				
21/316	11/08/21	<p><u>CE's Report – Long Term Plan Monitoring Report</u></p> <ul style="list-style-type: none"> • <u>Transport</u> • <u>Foxton Beach Signage</u> • <u>Butterfly Pathway</u> 	<p>It was requested, if not already included, that the pedestrian safety investigation also cover the area from Salisbury S/Bath St corner to the Bath St lights</p> <p>The Foxton Community Board and the Foxton Beach Progressive Association to be added to the list of stakeholders re this discussion.</p> <p>Clarification requested on the differing wording between the resolution and action.</p>	<p>James Wallace</p> <p>Arthur Nelson</p> <p>Arthur Nelson</p>		In Progress	The forwards works programme of safety improvement investigations is in progress, and encompasses all issues identified from LTP submissions.
21/346	09/09/21	<u>CE's Report - HDC Subsidised E-Waste Recycling Proposal</u>	Clarification requested on possibly extending the scope of what was proposed	Robbie Stilwell	Oct 2021		Response included in the October 2021 Council Agenda

MONITORING – Officer Actions							
Item/ Report No.	Meeting & Date	Item/Report Description	Query/Action	Responsible Officer	Date to Action by	Progress Status	Officer Comment
21/355	09/09/21	<u>Localised Flooding Event Response – Debrief Report – June 2021</u>	How the lack of a contingency plan was being addressed to be provided to EMs.	David Yorke		Completed	Response included in the October 2021 Council Agenda

Chief Executive's Report to 1 October 2021

File No.: 21/402

1. Purpose

For the Chief Executive to update Councillors, or seek endorsement on, a number of matters being dealt with.

2. Recommendation

- 2.1 That Report 21/402 Chief Executive's Report to 1 October 2021 be received.
- 2.2 That these matters or decisions be recognised as not significant in terms of s76 of the Local Government Act 2002.
- 2.3 That the Horowhenua District Council adopts the attached meeting schedule for Council, the Finance, Audit & Risk Committee and Community Wellbeing Committee for the period January to December 2022 (Appendix A).
- 2.4 That Council notes that additional ordinary, extraordinary and multi-day meetings may be scheduled from time to time in consultation with the Mayor and Chief Executive.
- 2.5 That meeting times for other committees and subcommittees will be formally notified when they are required in accordance with the Local Government Official Information and Meetings Act 1987 and Local Government Act 2002.
- 2.6 That the Horowhenua District Council approves to move \$470,000 from the Major Toilet Renewal budget in year three (2023/2024) to year two (2022/2023) of the Long Term Plan.
- 2.7 That the Horowhenua District Council adopts the Subsidised E-Waste Recycling Proposal.

3. Chief Executive Updates

3.1 Horowhenua District Council Meeting Schedule for 2022

As outlined in Schedule 7, Clause 19(1) of the Local Government Act 2002, Horowhenua District Council must hold meetings that are necessary for the good governance of the Horowhenua District.

It is good practice for Council to adopt a schedule of meetings for the following calendar year. This allows the business of the Council to be conducted in an orderly and transparent manner, thus enabling an open democratic process and allows public notification of meetings to be given in compliance with the Local Government Official Information and Meetings Act 1987.

Adopting a schedule also allows Elected Members to plan their commitments over the year.

The proposed meeting schedule is based on the current governance structure.

Council's adoption of the 2022 meeting schedule, as attached, is now sought.

3.2 Jubilee Park Toilet Block Renewal

As Elected Members are aware, through the LTP 2021/2041 budget was allocated for the construction of a Splashpad at Jubilee Park, this project is currently underway with the Splashpad on track to open in Summer 2022. As part of the planning process for this project, Officers have identified an opportunity to work across teams to achieve an improved outcome for the community.

There is currently \$470k against the Major Toilet Renewals budget allocated in year three (2023/2024) of the Long Term Plan for the renewal of the Jubilee Park toilet block. Officers

are seeking approval to bring this budget forward to year two (2022/2023) of the Long Term Plan to complete the toilet block renewal alongside the Splashpad construction. This would allow a toilet block that is overdue for renewal to be replaced with a new block that integrates the Splashpad's plant room and provides a changing facility for park users. Incorporating a small plant room within the toilet block enables an outcome within one allocated space over the need to have two stand-alone buildings. A significant benefit from a user point of view is the fact that the park would be closed for construction once rather than consecutive years which is currently proposed with the Splashpad and toilet block viewed as separate outcomes.

Council's Chief Financial Officer has confirmed that this change will not have any significant impact on debt levels.

3.3 **HDC Subsidised E-Waste Recycling Proposal**

With a number of questions raised in relation to the scope of the proposal and clarification requested on a number of aspects, and because there was no urgency in relation to what was being proposed, it was agreed at the 8 September 2021 Council meeting that this item would lay on the table until the October Council meeting. The further information requested is now provided in the attachment to this report.

3.4 **Tokomaru Wastewater Treatment Long Term Consent**

Council has purchased, with funding assistance from the Freshwater Improvement Fund, a 13.69 ha property at 718 Makerua Road, Tokomaru, for the purposes of using that land for treatment of wastewater. Tokomaru's long-term wastewater system needs to be consented and operational by early 2024. Council has been working with Horizons Regional Council to confirm our commitment to the land parcel and our approach to the long term consent and operations of Tokomaru's wastewater.

Council has carried out a detailed analysis of the land parcel and has determined it is viable for land-based treatment. The land parcel will form the basis of the preferred long term solution to be taken forward for consent. Other options, such as piping to Shannon or Linton, were quickly failed as comparably viable options due to land access issues, constructability and the capital works impact on the respective treatment plants themselves. On balance, the land-based system at Tokomaru is most likely to meet Council's objectives.

Council's concept design, allowing for projected growth, has determined there is sufficient capacity to develop a combined drip and spray irrigation system with potential land uses including cut and carry land management, and native plantings / reserve areas along the SH57 frontage. Council will be able to upgrade and reuse the existing treatment pond for storage before applying to land, including the addition of UV disinfection to alleviate public health concerns.

Council reviewed and updated the implementation programme and is on-track for lodgment of consent applications on or before the December 2022 deadline. The system can be built and commissioned by late 2023. Funding is in place via Council's Long Term Plan.

Attachments

No.	Title	Page
A	Council Meeting Schedule 2022	38
B	E-Waste Additional Report - 13 October 2021	39



Confirmation of statutory compliance

In accordance with section 76 of the Local Government Act 2002, this report is approved as:

- a. containing sufficient information about the options and their advantages and disadvantages, bearing in mind the significance of the decisions; and,

- b. is based on adequate knowledge about, and adequate consideration of, the views and preferences of affected and interested parties bearing in mind the significance of the decision.

Signatories

Author(s)	David Clapperton Chief Executive	
Approved by	David Clapperton Chief Executive	

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Council Frequency: Monthly 4:00pm Wednesday	-	9	9	13	11	8	-	10	14	-	9	14
Council & FCB Inaugural Meetings follow Local Body Elections	-	-	-	-	-	-	-	-	-	26	-	-

Committees of Council

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Finance, Audit & Risk Committee Frequency: Monthly 4:00 pm Wednesday	26	23	30	27	25	29	-	31	28	-	30	-
Community Wellbeing Committee Frequency: Quarterly 1:00 pm Tuesday	-	08	-	-	10	-	-	09	-	-	08	-

Monday, 3 & Tuesday, 4 January – New year

Monday, 24 January – Wellington Anniversary Day Friday, 15 April – Good Friday, Monday 18 April – Easter Monday Monday, 6 June – Queens Birthday

Monday, 7 February – Waitangi Day (6th is a Sunday) Monday, 25 April – Anzac Day Monday, 24 October – Labour Weekend

E-Waste Subsidy: Additional Information October 2021

Council adopted a Waste Minimisation Management Plan, WMMP, in 2018. Diverting e-waste from the landfill is one of the objectives that the WMMP outlined. The proposed subsidy is funded by MfE through the Waste Levy and satisfies all requirements for use of this fund for Waste Minimisation Activities. This subsidy does not affect Council's financial policy; hence there is no impact on rates.

The subsidy references Foxton and Shannon Transfer Stations as these are Council's only operating transfer stations. Council cannot enact a subsidy for the privately owned, Levin transfer station which is owned and operated by Midwest Disposal Limited. Council's e-waste service is available at the Shannon transfer station, but this only operates 4 hours a week.

The subsidised Foxton service is able to handle an increase in volumes, including any potential waste tourism from Levin Transfer Station users. SWAC have been informed of the subsidy proposal and are comfortable with significant increases in recycling volumes. If this changes in the future, HDC also has a relationship with E-Cycle who can be used on an on-call basis with similar prices.

This budget allows for a 6-fold increase in volume, which amounts to a total subsidy of \$2,544.

80 CRT TVs currently, budgeted to increase to 480 annually.

56 LCD TVs currently, budgeted to increase to 336 annually.

The \$5,000 budget allows for an unlikely volume of e-waste recycling, and allows for a free-recycling day limited to the remaining balance of the fund.

E-waste recycling doubled in Palmerston North after enacting a similar subsidy to the one proposed. This volume has since remained relatively consistent.

The subsidy fund will be revised at the end of the 2021/2022 financial year.

The focus of this subsidy is to make electronic recycling more affordable and spearhead a campaign of proper electronic disposal (including bringing attention to li-ion battery disposal). A predicted additional benefit is a reduction in the illegal dumping of these items. This subsidy may not completely stop illegal dumping, but it would allow Council to trial improving this service and adapt organically from what is learnt from operating the service and receiving feedback from residents.

A cost-neutral approach was considered, but the goal of this subsidy was to increase affordability of this service. Proposed fees and charges for e-waste is shown in below Table 1.

Table 1:



TV's and Computers

Televisions	\$20
Computer Monitors	\$12
Desktop Computers/Servers <i>(complete tower only)</i>	Free
Small Computer Items <i>(e.g. speakers/keyboards/docking stations/hubs/modems/switches/routers)</i>	\$3
Laptop and tablets and UPS	\$5
Printers/scanners/fax machines	\$15
Photocopiers	\$50

Consumer Electronics

Mobile phones/GPS/digital cameras/mice	Free
Stereos/car stereos/gaming consoles	\$2
DVD/VCR/CD players	\$5

Household Appliances

Small Appliances <i>(e.g. heaters/fans/toasters/kettles/blenders/alarm clocks/phones/cameras)</i>	\$3
Medium Appliances <i>(e.g. vacuum cleaners/microwaves)</i>	\$5
Large Appliances <i>(e.g. washing machines/dryers/dishwashers)</i>	\$20
Large Appliances <i>(degassing required, e.g. fridges and freezers)</i>	\$30

Other

Batteries (All household batteries)	Free
Batteries (quantities over 2kg)	\$4/kg
Compact fluorescent lightbulbs	Free
Misc	\$4/kg

File No.: 21/398

Draft Horowhenua Climate Change Action Plan

1. Purpose

To provide Council with the Draft Horowhenua Climate Change Action Plan submitted to the Joint Climate Action Committee.

2. Executive Summary

- 2.1 Council endorsed the establishment of a Joint Climate Action Committee and the Agreement and Terms of Reference, resolving to become a member at the Finance, Audit and Risk Committee Meeting of 28 October 2020.
- 2.2 At the September 2021 Joint Climate Action Committee meeting members considered participating Council's local action plans to enable the Committee to consider how they can combine the common actions, and what gaps need to be addressed at a regional scale.

3. Recommendation

- 3.1 That Report 21/398 Draft Horowhenua Climate Change Action Plan be received.
- 3.2 That this matter or decision is recognised as not significant in terms of S76 of the Local Government Act.
- 3.3 That Council endorse the Draft Horowhenua Climate Change Action Plan.

4. Background / Previous Council Decisions

Council considered a Joint Climate Action Committee report at its Finance, Audit and Risk Committee Meeting of 28 October 2020 where it resolved:

THAT the Finance, Audit & Risk Committee, under the delegation provided by the Horowhenua District Council at its 14 October 2020 meeting, agrees to support the establishment of a Joint Climate Action Committee of the Horizons Regional Council and the region's territorial authorities.

THAT upon establishment of the Joint Climate Action Committee, the Horowhenua District Council becomes a member.

THAT the Horowhenua District Council recommends to the Joint Climate Action Committee that the word "unanimous" be included in the Variations to this Agreement so that "Amendments to the agreement will be made by unanimous resolution of the Regional Chiefs on an as required basis".

5. Discussion

Attached is the Draft Horowhenua Climate Change Action Plan submitted to the Joint Climate Action Committee. The Draft Plan outlines:

- Background Context
- What this may mean for the Council and District
- Planning for Climate Change
- Implementation Strategies
- Implementation Plan

6. Next Steps

This report seeks Council endorsement of the Draft Horowhenua Climate Change Action Plan to align with Government's Climate Change targets and aspirations. Endorsement of the Draft will direct Officers to proceed to complete:

- Iwi and sector engagement
- Stocktake of Council's greenhouse emission
- Develop and establish a sustainability policy to provide a roadmap to Council

Upon completion of the above, adoption of the Final Plan and Roadmap will be sought from Council.


Confirmation of statutory compliance

In accordance with section 76 of the Local Government Act 2002, this report is approved as:

- a. containing sufficient information about the options and their advantages and disadvantages, bearing in mind the significance of the decisions; and,
- b. is based on adequate knowledge about, and adequate consideration of, the views and preferences of affected and interested parties bearing in mind the significance of the decision.

7. Appendices

No.	Title	Page
A	Climate Change Action Plan Document DRAFT - September 2021	43

Author(s)	Asli Crawford Water & Waste Services Manager	
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Approved by	David Clapperton Chief Executive	
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DRAFT 4



Climate Change Action Plan

Āhuarangi Hurihuri: Mahere Mahi

July 2021





Climate change is arguably the most urgent issue facing us. Its impacts are unpredictable but will almost certainly be significant and wide-reaching.

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Executive Summary

Whakarāpopoto

**Ko au te taiao, ko te taiao ko au.
I am the environment, the environment is me.**

The Horowhenua District can expect hotter summers, shorter winters, heavier rainfall, more frequent droughts, coastline changes, increased westerly winds and a rise in sea levels. These changes could affect human health, damage property and devastate our agriculture and horticulture industries. We need to act, and fast.

This document outlines how Horowhenua District Council plans to tackle – or is already tackling – these issues in line with the government's Carbon Zero 2050 goals. Some actions are focused on preparing for the impacts of climate change. Others are about reducing greenhouse gas emissions to slow the rate of change.



How we're preparing for climate change

- Complete a detailed stocktake of the Council's greenhouse gas emission across all activities.
- Develop and establish a sustainability policy to provide a roadmap for the Council.
- Manage coastal hazards through our District Plan and resource management plans.
- Control land use activities in the coastal environments to sustain the resilience of the dune landscapes.
- Use disaster response to prepare for any major events in coastal areas.
- Plan for flooding and inundation through physical protections and controls through our District Plan.
- Address how we manage urban stormwater.
- Prepare for temperature rise and drought through water restrictions, water take consents and research into fire-fighting requirements.
- Address building resilient infrastructure for natural hazards and climate change with an

allocated \$18 million in Council's Long Term Plan 2021/2041 for alternative water supply for Levin.

- Manage wastewater by shifting to land-only discharge, and address how we manage infiltration and incursion into our networks.
- Provide information and advice through online services such as MapIt and District Planning Maps that identify hazard-prone areas like the Moutoa Floodway system and any physical protections.
- Educate and engage communities and businesses, especially those likely to be most affected (iwi, hapū, whānau, coastal communities, producers and growers).
- Promote sustainable development, by consolidating development within existing populated areas and ensure new builds are more self-sufficient with storm water management, for instance rain water tanks which minimise demand on local water supplies.

How we're helping to reduce greenhouse gas emissions

- Installing EV-charging facilities in the District, supporting the uptake of low-emission vehicles and creating spaces and shared pathways that promote greener modes of transport like walking, public transport and cycling.
- Advocating to regional and public agencies for funding of more public passenger transport services and facilities.
- Investing in initiatives to create a more energy-efficient District.
- Creating initiatives to help community and businesses understand how they can decrease their emissions.
- Communicating with iwi and community groups, other councils and central government to monitor and direct our progress.
- Council's Master Plans for new residential and business areas create good local connections, making it easier for the community to get from A to B without being so dependent on private car trips.

August - November 2021

- Iwi and sector engagement
- Stocktake of Council's greenhouse emission
- Develop and establish a sustainability policy to provide a roadmap for Council

December 2021

- Climate Change Action Plan Adoption by Council
- Launch Climate Change Action Plan

June 2022

- Implement Climate Change Action Plan
- Ongoing community engagement & education

Introduction

Whakatakinga

Caring for people means caring for the environment.

Caring for the environment isn't just the right thing to do. It's also critical for our success as a nation. Healthy, productive people need a healthy environment – and achieving that is becoming ever more difficult.

Our planet is heating up. Carbon dioxide in the atmosphere is at levels not seen for at least 800,000 years, ancient ice sheets are melting and glaciers have receded all over the world. And according to NASA, there's a more than 95 per cent probability that human activities over the past 50 years have warmed our planet.¹

Climate change is already here

We're starting to see how climate change will impact us: more frequent and more intense droughts, heat waves, floods, storms and forest fires, along with more coastal erosion and sea levels that are projected to rise in our district by 0.8 metres by 2100.²

That all adds up to wide-reaching and devastating outcomes. Global warming, pollution and habitat destruction increase the risk of plants and animals becoming extinct. Shifts in ecological conditions could support the spread of pathogens, parasites and diseases, seriously impacting human health, agriculture and fisheries.

But it's not too late to do something.

This Action Plan sets out how and when we're going to proactively respond to our changing climate, reduce greenhouse gas emissions and transition to a lower-carbon economy.

Climate change in the Horowhenua

Climate change affects everything – the Horowhenua District, the nation and the world. Our District has already seen some of the effects: rising sea levels and warmer temperatures along with more frequent, more intense rain and winds. These events cause flooding, landslips, coastal erosion, and water shortages, which have and will continue to damage property and impact on our health and wellbeing. They'll also impact our iconic horticulture industry, which is a huge part of our District's economy, community identity and culture.

Doing nothing isn't an option

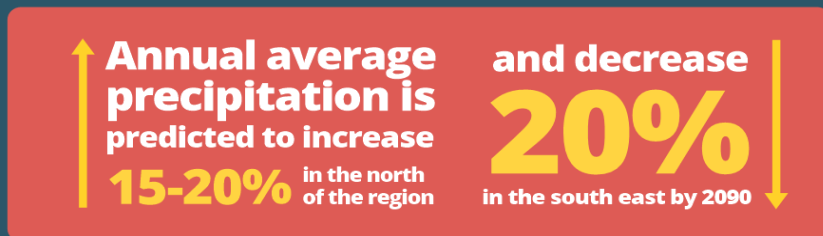
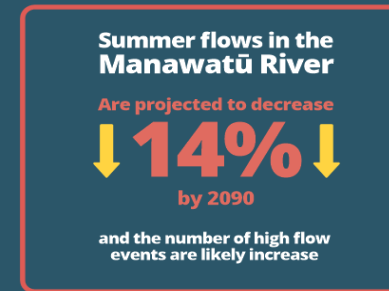
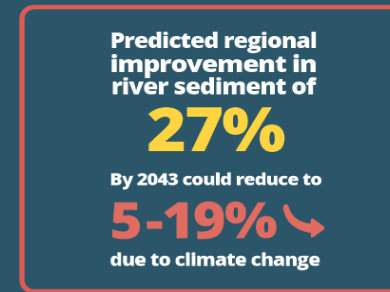
Council, businesses, organisations, iwi and the wider community need to work together to address these problems. This document outlines what part the Horowhenua District Council (HDC) could play. It covers what we plan to do to help slow climate change, and the steps we can take to reduce its impact on our people, community and economy.

1. climate.nasa.gov/causes

2. [niwa report climate change implications for the Manawatū-Whanganui region](https://www.niwa.co.nz/our-science/climate/information-and-resources/clivar/pastclimate)

The changing climate and its importance

Greenhouse gas emissions are causing significant changes to the earth's oceans and the climate. Around the world, the average annual temperature is now 1°C warmer than it was during pre-industrial times.³ We're already seeing the effects of climate change in our District, and we can expect the effects to get worse if we do nothing. Some effects will be long-lasting and even irreversible.



3. <https://www.niwa.co.nz/our-science/climate/information-and-resources/clivar/pastclimate>

Focus areas

These are the aspirations of Horowhenua District Council for how we will respond to climate change.

These focus areas need to strike a balance between the actions needed to address climate change, and the interests of the residents, the environment and the economy.



Council's focus areas for addressing climate change are:



Complete a stocktake of Council's greenhouse gas emissions



Develop a sustainability policy and establish a pathway to meet our greenhouse gas emissions targets



Reduce greenhouse gas emissions (including net carbon emissions 2050)



Build resilience against the impacts of climate change



Focus on education and adaptation



Lead climate change actions in our district

Background Context Horopaki Tūāpapa

The 2019 Climate Change Response Act

In 2019, the government amended the Climate Change Response Act 2002 to help New Zealand reduce emissions and adapt to a zero-carbon economy. Here's what it set up.

Climate Change Commission

The Climate Change Commission, which gives independent advice to the government on slowing climate change and helping the country adapt to its effects. It also monitors the government's progress towards these goals.⁴

Targets for reducing emissions

By 1 January 2050, New Zealand must be removing at least as much carbon from the atmosphere as we add. By 1 January 2030, methane from plants and animal sources will need to be reduced by 10% and 47% by 1 January 2050.

A national climate change risk assessment

A national climate change risk assessment is helping the government understand how climate change could impact our economy, society and environment. In this assessment, our District has been identified as being in Climate subzone 2, which stretches from Taranaki to Kāpiti. It also identifies the 10 risks that need urgent action by 2025.

Regional Climate Change Risk Assessment

Council is involved in a Regional Climate Change Collaboration with Horizons Regional Council (HRC), and a regional risk assessment report is underway to identify how the regional council and local authorities, including HDC will support the aspirations and targets of the government and the Climate Change Commission. The regional risk assessment includes information gathered from the (HRC) Regional Climate Collaboration and the findings will inform the Climate Action Joint Committee Change regional approach.

Horowhenua District Council Sustainability Policy

Develop a sustainability policy and establish a pathway to meet our greenhouse gas emissions targets. The Sustainability Policy will cover: engaging with local iwi and sector groups to understand how we can help protect the parts of their whenua most affected by climate change; making our transport and buildings more energy efficient; and working with our community on recycling and waste reduction initiatives.



Path to zero carbon

Climate Change Commission's major carbon-cutting recommendations

EMISSIONS BUDGET

Period
2022-25

Period
2026-30

Period
2031-35

TRANSPORT



Vehicles

Subsidy or feebate for EVs. Improve fuel efficiency of new petrol and diesel cars. Biofuel blending.

Ban on petrol and diesel cars. Electrify trucks.



Travelling patterns

Encourage remote working. More people walking, cycling and using public transport.



Non-road

Electrify trains.

Electrify ferries and ships.

Heat, Industry and Power



Buildings

No new natural gas connections. Well-insulated homes.

Phase out gas in buildings.



Electricity

More renewable generation.

Grid upgrades. Reduce geothermal emissions.

Achieve 95% renewable generation.



Manufacturing

Replace coal with electricity and biomass (wood waste).

Replace natural gas with electricity and biomass.

Heat, Industry and Power



Agriculture

Reduced herds, fertiliser and imported feed.

Choose low-methane sheep breeds.

Adopt low-methane tech (when available).



Native forest

New native forests.

Ban on native deforestation.

Plant 25,000 hectares of natives per year.



Exotic forest

Plant 25,000 hectares of exotics per year.

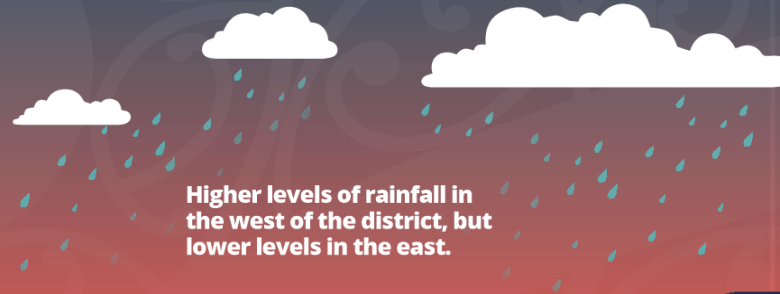
Decreased planting of exotics.

Changes we might see in our District

Ngā hurihuringa tērā ka hua ake i tō tātou rohe

If we do nothing, within the next 100 years we can expect to see

- 20% more winter rain in the northwest, 20% less in the southeast
- 5% more summer rain in the north, 5% less in the south
- Up to 50 more very hot days a year



Resulting physical and seasonal changes that the Horowhenua District may experience are:



Coastal erosion and accretion



Rising sea levels



Flooding and inundation



Changing river mouths and estuaries



Warmer water temperatures



Storm events and surges



Changes we might see in our District

Ngā hurihuringa tērā ka hua ake i tō tātou rohe

Impacted coastlines and coastal communities

Our coastlines and coastal communities will likely be significantly affected by:

- Coastal erosion and accretion
- Changing river mouths and estuaries
- Rising sea levels
- Warmer water temperatures
- Flooding and inundation
- Storm events and surges

Coastal settlements and areas such as Waikawa Beach may experience river mouth migration if the sea level rises. This may mean that any restrictions to flow (sea walls/ structures) may cause overflow and flooding. This will affect property and infrastructure and may mean some family or communities will need to migrate to other areas.



Heavier rainfall

Our District can expect to see more intense and more frequent rainfall events, with the same amount of rain falling on fewer days and only in some areas.

For example, we could expect 20% more winter rain in the northwest but 20% less in the southeast.⁵ This will put pressure on our roads, wastewater and stormwater infrastructure as they struggle to deal with increased water volumes. More downpours will also limit our drinking water supply – most rain will run off as surface water, rather than making it to reservoirs. This will be made worse as urbanisation covers more soil with concrete and asphalt.

Higher frequency of droughts

Fewer rain days, longer summers, warmer autumns and shorter, milder winters may mean the District faces more regular droughts, leading to:



More water restrictions



Seasonal issues for farming and cropping and changes in historic food production and supplies



An increased risks of fires

Challenges for agriculture and horticulture

Climate change will make weather more severe and unpredictable, which will make it harder for the agriculture and horticulture sectors to guarantee food production and supplies.

This raises concerns around our regional food security. Warmer temperatures can also encourage plant pests and require changes in land use, farm systems and land use practices. However, these negative impacts may be less severe than in other parts of the country. We have a moderate micro-climate and Class 1 and 2 soil, so warmer weather and fewer frosts could allow for more diverse crops to be grown.

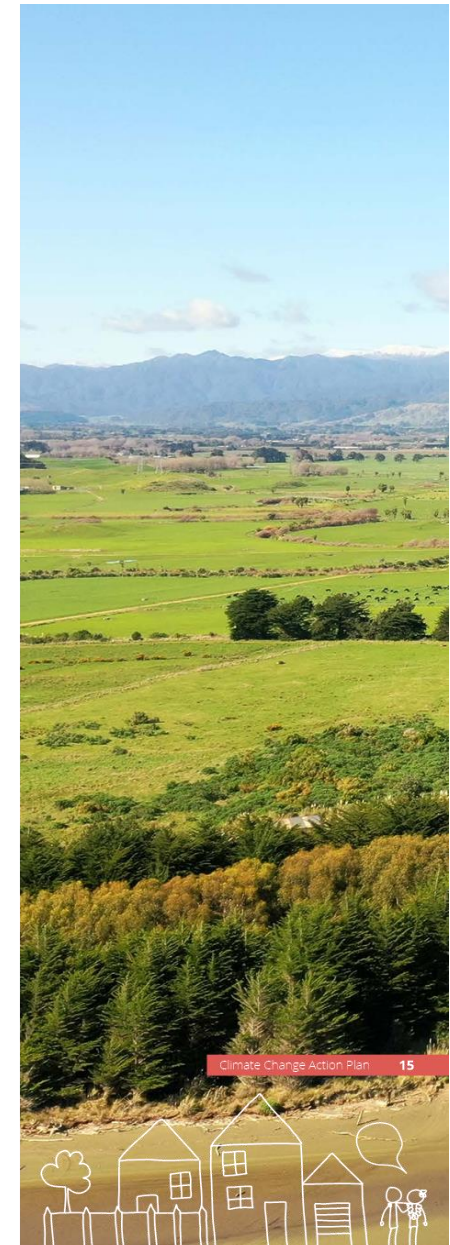
Diminishing drinking water quality

Increased temperatures can create ideal environments for bacteria, viruses and pathogens that can make drinking water less safe.⁶

These environmental changes could have very tangible impacts on our daily lives, from flooded homes to ruined crops. Since we can't predict these risks with certainty, they're very difficult to plan for. Council will need to plan for more resilient infrastructure and treatment options, including alternative water storage options.

5. Tonkin Taylor Horizons Exposure Assessment Memo

6. Tonkin Taylor Horizons Exposure Assessment Memo



What this may mean for the Council and our District Te pānga mai ki te Kaunihera me tō tātou rohe

Actions currently in place

Council has already started preparing for climate change, particularly through controls set out by the District Plan.

We will build resilient infrastructure for natural hazards and climate change, with \$18 million

allocated in the 2021/41 Long Term Plan for an alternative water supply and storage in Levin. We will manage wastewater by shifting to land-only discharge, and address how we manage infiltration and incursion into our networks.

Managing coastal hazards

The Council's District Plan and resource management plans are designed to protect people, property and infrastructure against erosion and avoid or minimise the destruction of sensitive foredunes and other coastal landscapes. There are rules already in place to manage structures and land subdivisions within coastal and flood hazard areas. We also carry out risk assessments of natural hazards and the effect they have on other areas of the coastal environment.

Building a resilient dune environment

Coastal erosion is a major hazard, especially where there are buildings, but our District is more prone to coastal accretion (where sand and silt build up along the coastline). To make coastal ecosystems and settlements more resilient against rising sea levels and storm surges, we've joined forces with the Horizons Regional Council and community interest groups to support foredune protection reserves, dune stabilisation activities and protective planting. Local Coast Care groups actively monitor the coast, organise working bees and support planting bees.

Controlling land use

When deciding on coastal land use and developments in areas at risk of flooding, the Council considers rising sea levels and climate change. Project Information Memoranda (PIM) and Land Information Memoranda (LIM) already inform property purchasers about natural hazards, including the relevant risks of climate change. Section 106 of the Resource Management Act 1991 is a critical statutory requirement and directs Council to avoid subdivision and development where there is reliable evidence of a hazard or risk. Sections 71 and 72 of the Building Act 2004 controls buildings and the development of land subject to a natural hazard.

Disaster response and defence



Coastal sea walls and riverbank retaining walls



Identification of the flood protection scheme



Community Response Plans for Waitāre Beach (finished), Ōhau and Manakau (drafting)



Tsunami road markings, pump stations and upgrades



Protected planting/fencing/signage



Planning for flooding and inundation

Flooding is the most significant and pressing issue for the Horowhenua District – most of the District is on floodplains, and we have settlements on the coastlines or near large river systems. Many significant rivers and streams traversing the plains rise rapidly in heavy rainfall, which can cause flooding and inundation. This issue will only become more urgent as climate change increases the number of higher intensity rainfall events.

Drinking water supply restrictions

Intense periods of rainfall can occasionally create the need for water restrictions. Most of the District's water supply is surface water, so after heavy rain, muddy water can infiltrate the drinking supply and affect the operation of water treatment plants. Water restrictions and conservation allow reservoirs to replenish and water to be effectively treated.

Council allocated \$18 million towards alternative water supply for Levin township to build resilient infrastructure for natural hazards and climate change.

Physical protection against flooding

Our Regional Flood Protection Schemes are our primary forms of protection and mitigation against heavy rain and management of flood waters.

This includes our stop-bank network, flood gates, flood guides and structures, which are owned and operated by the Horizons Regional Council.

The role of the District Plan

Our District Plan implements the regional direction for flood hazard management in The Horizons One Plan. The rules and standards set out in the plan work to avoid, remedy and mitigate the impact of flooding and inundation on people, property and infrastructure. For example, any habitable buildings or work premises in areas identified as flood-prone must comply with minimum floor level standards, allowing for some contingency or a buffer. Similarly in the Moutua Floodway, structures and earthworks must generally be avoided. Overland flow paths are also always considered by Council's subdivision engineers when granting consents and setting consent conditions.

Preparing for temperature rise/drought

Increasing temperatures in the Horowhenua District could mean more water shortages in dry seasons and we're planning for this.

In Levin, for example, Council has an existing Water Take Consent from Horizons Regional Council, which means we can source water from the Ōhau River. We can also apply water restrictions

and Council's subdivision engineers have been researching fire-fighting requirements.

Council is looking into building a reservoir lake to store raw water, which will address dry weather period. It will also act as an alternate water source after heavy rainfall and eliminate muddy water entering water treatment plant.

Future proofing housing and growth

Promote sustainable development, by consolidating development within existing populated areas and ensure new builds are more self-sufficient with storm water management, for instance rain water tanks which minimise demand on local water supplies.

Section continued on next page

Managing wastewater

The Horowhenua District provides wastewater infrastructure and services to Levin, Foxton, Foxton Beach, Shannon, Tokomaru and Waitāreere Beach.

Managing discharge

There are six wastewater treatment plants. In a world first, one plant irrigates a manuka/kanuka forest in Levin, while four discharge to land. One still discharges to a wetland, but Council is in the process of shifting this to land, to improve the waterway quality. All homes and businesses not in the reticulated network use a septic tank or on-site treatment.

Addressing stormwater

When stormwater gets into the sewer system, raw sewage can cause overflowing at pump stations and overwhelm wastewater treatment plants. This also impacts the ability to irrigate land. Council is already undertaking a programme of inflow and infiltration work to address this. This work includes resilient pump stations to protect our community and the environment.

Planning for Climate Change - Mitigation and Adaptation

Te Whakamahere mō te Āhuarangi Hurihuri
- Te Whakamauru me ngā Urutaunga

Mitigation involves understanding the risks and benefits of climate change and changing what we do to reduce the effects of climate change.

Adaptation is taking action to change what we do and putting plans and measures in place to adjust to a changing climate.

Examples of mitigation

- Promote sustainable urban development
- Remote working (to reduce travel) or car pooling
- Manage and invest more in reserves and open spaces
- Plan for more EV Charging Stations
- Align procurement processes to support climate change objectives

Examples of adaptation

- Plant more native forests
- Promote well insulated homes, green energy and sustainable water use
- Encourage people to walk, cycle and use public transport
- Invest in more shared pathways
- Design infrastructure to manage stormwater more efficiently and effectively
- Consider renewable energy options for key facilities

Steps for climate change adaption



Partnering with other councils

Council has partnered with Horizons Regional Council and other district councils in the Manawatū-Whanganui Region to share information and work on a Climate Change regional risk assessment. This will inform priority areas for investments, research and funding programmes within the region.

The regional planning objective for climate change is set out in a plan from the Horizons Regional Council. This is called One Plan, and it requires that we:



Promote resilient land management practices through the Sustainable Land-Use Initiative (SLUI).



Plan for changes to the scale and frequency of natural hazards, especially coastal hazards, flooding and inundation, temperature rise and drought.



Manage waste quality within One Plan's values framework, responsive to climate change.



Educate about current and potential issues that climate change is causing in the District, especially those likely to be most affected (iwi, hapū, whānau, coastal communities, producers and growers).



Manage water quantity by defining minimum river levels as baseline and considering climate change when granting consents for water take and use.

Implementation Strategies

Rautaki Whakatinana

How to reduce emissions and adapt to the effects of climate change

Emissions from Council's activities can be lowered. The first step will be a stocktake of our emissions across all activities. This information will feed into a sustainability policy to guide our future actions and monitor, review and report on progress. The policy will also guide how we can better enable our people and businesses to reduce their own emissions and adapt to the impacts of climate change.

Supporting emissions reduction across the Horowhenua District

Council can help reduce emissions through strategic actions and initiatives in a number of areas, including:

Transport

- Support the uptake of low emissions vehicles.
- Install more EV charging stations in the District and encourage the community to use them.
- Facilitate public transport alongside Horizons Regional Council when it becomes possible.
- Create more green spaces and provide green corridors for active transport.
- Investigate the possibility of providing park-and-ride facilities and shared pathways to promote greener modes of transport.
- New residential and business developments will be close to public transport and have good connections to reduce private car trips.

Energy

- Investigate creating or funding a programme to help households lower emissions by becoming more energy-efficient.
- Replace all park lights with energy-efficient LED lights. Streetlights have already been changed to LED with plans already in place for park lights for the next financial year.
- Explore options for renewable energy targeted at Council's high energy-use activities such as the Levin Wastewater Treatment Plant and the Levin Aquatic Centre.

Communication

- Regularly monitor the District's progress on emission reduction and adaption. This will ensure that Council's efforts are effective and are making changes where they're needed most.
- Engage with the local iwi to understand how we can help protect the parts of their whenua most affected by climate change.
- Implement a sustainability policy in line with Government's goal of zero emissions by 2050. This will inform a 'road map' to drive changes within the Council and potentially within the community.
- Support and engage with climate-change community groups.

Education

- Increase readily available education on climate change, what to expect and how to decrease emissions.
- Educate the community about waste reduction and recycling to minimise methane-producing landfill.
- Integrate climate change into the Enviroschools programme.
- Investigate using a Ministry for the Environment exhibition to educate the community on climate change and how a strategic, integrated climate change response plan can be developed. This would be a free event planned with support from dedicated Ministry staff. Kapiti (Coastlands) has already successfully held this exhibition.



Implementation Plan

Te Whakatinana i te Mahere

Council has started on a Plan to respond to our changing climate and to align with Government's Climate Change targets and aspirations. The next steps we plan to take are set out below.

August - November 2021

- Iwi and sector engagement
- Stocktake of Council's greenhouse emission
- Develop and establish a sustainability policy to provide a roadmap for Council

December 2021

- Climate Change Action Plan Adoption by Council
- Launch Climate Change Action Plan







June 2022

- Implement Climate Change Action Plan
- Ongoing community engagement & education



**It's not too
late to do
something.**



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Water Treatment Plant - Debrief June Event

File No.: 21/408

1. Purpose

To outline observations of water treatment plant performance during the heavy rainfall event experienced throughout the District in late June 2021.

2. Recommendation

- 2.1 That Report 21/408 Water Treatment Plant - Debrief June Event be received.
- 2.2 That this matter or decision be recognised as not significant in terms of s76 of the Local Government Act 2002.

3. Background/Previous Council Decisions

- 3.1 Water treatment plant operations in Levin, Shannon and Tokomaru were severely impacted following over 300mm of rain in the Tararua Ranges during the period 26 -28 June 2021.
- 3.2 The amount of rainfall significantly increased the volume of water and the turbidity levels in the local streams and rivers. This situation resulted in ceasing abstraction of water for a period of time at each of the treatment plants, as turbidity levels exceeded the respective plants treatment capacities.
- 3.3 The water supplies to Foxton and Foxton Beach were not affected as these are groundwater supplies sourced from deep bores.
- 3.4 In **Levin**, water is abstracted from an infiltration gallery installed below the bed of the Ōhau River. The raw water is then pumped to the water treatment plant where the treatment process includes the following unit processes:
Clarification → Filtration → UV → Chlorination → Treated water storage → Consumer
- 3.5 In Levin various treatment chemicals are added between the different unit processes.
- 3.6 The Levin water treatment plant automatically shuts down on the chemical dosage controller when the raw water turbidity exceeds 150NTU (Nephelometric Turbidity Unit). At this level, manual intervention by an operator is required.
- 3.7 In **Shannon**, water is abstracted from a surface intake in the bed of the Mangaore Stream. The raw water is then pumped to the water treatment plant where the treatment process includes the following unit processes:
Flocculation → Membrane filtration → Chlorination → Treated water storage → Consumer
- 3.8 The Shannon treatment plant shuts down when the raw water turbidity exceeds 50NTU. At this level, manual intervention by an operator is required.
- 3.9 In **Tokomaru**, water is abstracted from an infiltration gallery installed below the bed of the Tokomaru River. The raw water is then pumped to the treatment plant where the treatment process includes the following unit process:
Filtration (sand, GAC, bag & cartridge) → UV → Chlorination → Treated water storage → Consumer
- 3.10 In Tokomaru various treatment chemicals are added between the different unit processes.
- 3.11 The Tokomaru water treatment plant automatically shuts down when the raw water turbidity exceeds 2NTU.
- 3.12 The ability of each treatment plant to treat the raw water quality to meet NZ Drinking-Water standards is limited by the unit processes installed at each site. In general terms, the dirtier

the water (higher turbidity) the more complex the process requirements before treated water capacity is impacted.

4. Issues for Consideration

4.1 A number of observations were made through the debrief of the June 2021 rainfall events on Council water treatment plant operations and further investigations are underway as a result.

4.2 Levin Water Treatment Plant

The supply of treated water to the community was severely constrained by the Levin treatment process and the duration of the event. The June 2021 rainfall event highlighted a number of improvements, further investigations and remedial actions as identified as below:

Intake / Infiltration Gallery

Following the June event, the river channel migrated to the southwest away from the gallery.

The channel requires realigning to redirect the flow of water over the gallery. It should be noted that during normal operations the riverbed requires regular scarification to loosen the river gravels to restore water flow into the gallery.

The infiltration gallery comprises two 'legs'. One leg extends upstream from the wellhead and the other downstream. Although not directly contributing to the June 2021 event, preliminary investigations have identified isolating valves are required to be installed on each leg in the future.

Treatment Process

The treatment process performed adequately within the constraints that exist. Once the raw water turbidity exceeded 150NTU, the treatment process shutdown and manual intervention by an operator was required. During the course of the June 2021 event, turbidity levels peaked at around 510NTU, well above the treatment capacity of the plant as currently configured.

Operation of the existing pressure filtration units is currently constrained with only nine (9) of the 10 units operational. Six (6) filters are the original installation with a concrete floor; four (4) filters are a later model installed with a steel floor.

All pressure filters are overdue for maintenance and this will be prioritised.

Treated Water Storage

There is approximately 28 hours of reservoir storage available at Average Daily Demand and 20 hours of storage at Peak Day Demand.

The investigation has identified an issue with the information displayed in the SCADA system, specifically with the recording of reservoir levels/volumes.

Preliminary investigations suggest that had this been known prior to the June event, an earlier warning of low reservoir 'volumes' would have been possible. This is because the algorithm within the SCADA system that is used to calculate reservoir volume, or available storage to meet demand, appears to be based on the nominal capacity of the three reservoirs rather than their combined operational capacity i.e. the SCADA system is overstating the volume of storage available by around 20%. Given the current configuration of the reservoirs (differing base levels, wall heights and overflow levels) the total operational volume available is estimated to be between 70% to 80% of the nominal capacity.

Other

Shutting down large consumers/industry and the use of the Emergency Mobile Alert system to deliver the water conservation messaging was received well.

The debrief following the event, however, identified that escalation of the issues, and notification to industry users could have occurred sooner.

The operators of the water treatment plants responded promptly to the issue, and worked significant hours in their attempts to remediate issues. While contingency plans exist for water treatment plant critical events, improvement is required with keeping the primary and secondary contacts (call tree) up to date with any staffing or escalation point changes.

Going forward notification to industry users should be included in the response plan to ensure appropriate timing and clarity of messaging.

Levin Investigations:

- a) The SCADA system is being investigated to ensure it is calibrated to provide accurate information on reservoir storage volumes i.e. actual not theoretical.
- b) Investigations are underway to explore if there are better ways to integrate the various control systems at the water treatment plant to simplify both automatic and manual operations.
- c) Investigations to be undertaken to determine if additional reservoir storage volumes can be achieved by reconfiguring the inlet pipework into each reservoir.
- d) Investigations to be undertaken to restore full filtration capacity (10 filters)
- e) Investigations are underway for consent to be obtained from Horizons Regional Council to realign the river channel over the infiltration gallery.
- f) Isolating valves to be reinstated to both the upstream and downstream legs of the infiltration gallery.
- g) Contingency Plan should be updated and a process put in place for regular review and updates to the primary and secondary contacts.
- h) The response plan should include notification to industry users.

4.3 Shannon Water Treatment Plant

The supply of treated water was constrained by the treatment process and the duration of the event. The introduction of water restrictions coupled with tankered bulk water was successful in maintaining an uninterrupted supply to the community.

4.4 Tokomaru Water Treatment Plant

The supply of treated water was constrained by the treatment process and the duration of the event, with high turbidity levels being experienced for an extended period of time. Treated water was delivered by bulk tanker to the Tokomaru reservoir(s) initially from Foxton and then from Shannon (once supply was restored).

Once river levels receded, the extent of damage to the intake site and the upstream riverbank became apparent. As a result, rock protection has been installed as 'emergency work'. However, further work is required to extend the rock protection upstream and realign the river channel to prevent further erosion of the riverbank. These works are required to protect the power supply to the intake and the wellhead structure.

Tokomaru Investigations:

- a) Investigations are underway regarding consent to be obtained from Horizons Regional Council to extend the bank protection works further upstream and realign the river channel to protect the power supply to the intake and the wellhead structure.
- b) Investigations to be undertaken to implement prefiltration and coagulation at the front end of the treatment process to enable the plant to operate above 2NTU. Scope of the investigation should include exploring improvements to the FAC/Cl₂ (to maintain disinfection residual in reticulation) dosing.

5. Elected Member Questions

- 5.1 Following the June rainfall event, and at the 8 September 2021 Council Meeting when the Localised Flooding Event Response Report was tabled, questions were received from Elected Members.
- 5.2 The questions and responses are summarised as follows:

What is the likelihood of this type of event occurring again – what level of rainfall intensity is likely to lead to repeat impacts on turbidity?

This is impossible to predict especially given the impact of climate change. It is likely that the frequency and duration of extreme events will increase. Turbidity levels recorded during the June 2021 event were the highest in the previous 12-month period.

At what level of turbidity do the water treatment plants cease water intake?

- The Levin treatment plant shuts down when the raw water turbidity exceeds 150NTU.
- The Shannon treatment plant shuts down when the raw water turbidity exceeds 50NTU.
- The Tokomaru treatment plant shuts down when the raw water turbidity exceeds 2NTU.

Above these levels, manual intervention by an operator is required.

Is the cease of water intake automatic or does someone make a manual decision? What happens once the intake is ceased – how do we know when to restart it/what is the process?

Shannon and Tokomaru plants are programmed to shutdown automatically should the defined turbidity levels be reached.

Levin is much more complex and may be shut down by turbidity or any one of multiple setpoints throughout the water treatment process.

When a treatment plant shuts down the duty operator is notified immediately and responds accordingly. It may be possible to resolve the problem remotely or it may require attendance at the plant. More often than not, a restart will require manual intervention by an operator.

What is the profile for how much water can be treated over a certain time period (say an hour) at different levels of turbidity i.e. how do we determine if the messaging is STOP OR REDUCE usage?

There is no 'profile'. Treatment is not based solely on turbidity; it includes filter function, dosing capability, UVT etc. All events are different, the raw water quality and treatability will vary during the course of an event.

The key improvement to be made for future events is to be explicitly clear as part of the response plan with regards to communication to both industry users and residents and appropriate timing of any updates to this messaging.

Does a high level of turbidity actually increase operational cost significantly or is it just a higher impact on wear/tear on assets/equipment?

Yes, increased turbidity increases operational costs – filter run times, cartridge changes, chemical/ sand usage and operator attendance. It also results in greater wear and tear on equipment.

Do we have a plan in place to communicate with our big water users proactively to reduce water usage during rainfall events?

Going forward this should form part of the response plan for each event and be communicated accordingly.

Could water storage issues have been better managed if messaging was issued to reduce water consumption as soon as the water intake was ceased for example?

As these investigations have outlined, there were a number of compounding factors in this situation, and it is difficult to answer this question.

Water abstraction rates can vary on a frequent basis due to a number of parameters including turbidity. In most cases, where the event is of a short duration the impact on consumers can be accommodated by reservoir storage. Unfortunately, during the June 2021 event high turbidity levels over an extended period of time were experienced.

Attachments


There are no attachments for this report.

Confirmation of statutory compliance

In accordance with section 76 of the Local Government Act 2002, this report is approved as:

- a. containing sufficient information about the options and their advantages and disadvantages, bearing in mind the significance of the decisions; and,
- b. is based on adequate knowledge about, and adequate consideration of, the views and preferences of affected and interested parties bearing in mind the significance of the decision.

Signatories

Author(s)	David Yorke Alliance Director	
Approved by	David Clapperton Chief Executive	