

HURUNUI DISTRICT COUNCIL MINUTES



Meeting	Infrastructure Committee
Time and Date	1.00pm, 20 July 2017
Venue	Council Chambers, 66 Carters Road, Amberley
Agenda	http://www.hurunui.govt.nz/your-council/meeting-calendar/ Scroll to the applicable meeting on the calendar.

Members Present	Committee members: Councillor Vince Daly (Chairperson), Mayor Dalley (from 3.16pm), Councillors Nicky Anderson, Fiona Harris and Michael Ward. Non-Committee members: Councillor Geoff Shier, Dick Davison
In Attendance	Hamish Dobbie (Chief Executive Officer), David Edge (Manager Infrastructure Services - Assets), Dan Harris (Manager Infrastructure Services – Delivery), Brett Beer (Team Leader, Three Waters - Assets) and Kait Murray (Committee Secretary).
Apologies	Mayor Dalley and Councillor Marie Black
Leave of Absence	
Health and Safety briefing	Those present were advised of the appropriate Exits and the Assembly Point to be used in the event of an emergency evacuation.
Recording Device	A recording device was used for the purpose of the accuracy of the minutes.
Absent	Nil.
Conflict of Interest Declarations	
Urgent Business	Pedestrian Safety Cage Replacement on SH 1, Amberley Township
1. MINUTES	THAT THE OPEN MINUTES OF THE ORDINARY MEETING HELD ON 15 JUNE 2017 BE CONFIRMED WITH ONE AMENDMENT, UNDER ITEM 3 THE WORD DECISION SHOULD BE REPLACED WITH THE WORD DISCUSSION. Ward/Anderson CARRIED Matters Arising from the minutes: Asset works programme for 3-Waters (2015-2018) - Item 6 - Hanmer WWTP - Disposal to land.

The Chief Executive Officer confirmed lawyers have progressed with a Sale and Purchase Agreement and Lease and this is to be presented to the property owner.

Asset works programme for 3-Waters (2015-2018) Items 11 Waikari WWTP – desludging and 12 Hawarden WWTP – desludging.

The Manager Infrastructure Services - Assets tabled the draft desludging communication in the form of a media release for the Committee to make comments.

2. DECISION ITEMS

2.1 Bridge Recovery Work– Procurement of Professional and Contractor Services

The Manager Infrastructure Services - Assets presented the report.

He said during the earthquake event on 14 November 2016, some of the bridge stock experienced massive vertical and horizontal gravitational forces that left them potentially compromised in context of providing their original service and safety outcomes when initially installed.

He gave a brief overview of how the Council’s procurement policy and NZTA Procurement Strategy 2015 are linked. He said that Council is responsible for 16% of the EQ Event cost involved in repair or replacement of the bridge stock throughout the district, with NZTA co-investing 84% (bespoke FAR).

The Manager Infrastructure Services - Assets explained the prioritised assessment and that Opus intend to provide an Options Report (including provisional designs for engineers estimates) that will look at various remedial options compared against whole-of-life costs, secured benefits, remaining risks to be managed and a prioritised programme of physical works (procurement considerations).

He explained why the report is being brought to Council at this time, he said NZTA, when approached stipulated the requirement for the direct engagement to be endorsed by Council prior to progressing anything further with NZTA.

In response to a query relating to the cost of the drawings, the Manager Infrastructure Services - Assets confirmed that the professional design cost is normally calculated on a percentage of the total work, as it has been presented in the report.

THAT THE COUNCIL AGREES TO THE DIRECT ENGAGEMENT OF OPUS AND SICON TO:

COMPLETE THE THOROUGH INSPECTION, ASSESSMENT AND DESIGN/CONTRACT DOCUMENTATION OF OUR EARTHQUAKE DAMAGED BRIDGE STOCK; AND

FURNISH A FINAL REMEDIAL OPTIONS REPORT AND SUBSEQUENT DETAILED DESIGNS AND CONTRACT DOCUMENT FOR THE EARLIEST PREFERRED CONTRACTOR ENGAGEMENT TO EFFECT THE PERMANENT BRIDGE REPAIRS (IN THE AMOUNT OF \$534,000 and \$50,000 RESPECTIVELY).

Ward/Harris

CARRIED

2.2 Section 17a Light Review – 3 Waters

The Manager Infrastructure Services - Assets outlined the report and its purpose. He explained the process involved in the light review.

Some of the points noted from the discussion were:

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- 3-Waters Collaboration has been undertaken with Waimakariri District Council and Selwyn District Council.
 - Waimakariri District Council, Selwyn District Council and Hurunui District Council meet on a regular, monthly basis.

In response to a query regarding when the next review would take place, the Manager Infrastructure Services - Assets confirmed a review could be done at any time elected members require, but the report has stipulated a date of 2023 latest.

THAT THE COMMITTEE ENDORSE AND ACCEPT THE FINDINGS OF THE LIGHT SECTION 17A REVIEW FOR 3-WATERS AS PRESENTED IN THIS REPORT AND APPENDICES, AND AS RECOMMENDED BY THE UNIT MANAGERS.

Ward/Harris

CARRIED

2.3 Water Supply Reticulation

The Manager Infrastructure Services - Delivery presented the report. He explained that of the that of the 21 water sources across the district there are five (5) sources of water without any method of reticulation management; and do not receive any permanent chlorine treatment they are: Racecourse, Leithfield Beach (feeding the Beach and Ashley scheme), Hanmer Springs, Hawarden/Waikari and Culverden. However, he did highlight that since the time of writing the report, chlorine has since been put into the Leithfield Beach supply.

In response to a query regarding the odour of the chlorine and its presence throughout the scheme, the Manager Infrastructure Services - Delivery explained that the objective is to have the dose set to ensure there is residual at the far end of that particular scheme's reach. He added, it is a balance between having treatment levels set as low as possible while remaining effective. He also explained the testing regime and confirmed it is carried out both at the treatment plant and in the reticulation. He said testing at the extremities of the schemes for combined available chlorines and free available chlorine guides the dosage rates.

In response to a question regarding what are deemed to be the safe levels of chlorine in water, the Manager Infrastructure Services - Delivery confirmed there are values which are set within the Drinking-water Standards for New Zealand.

The Manager Infrastructure Services - Delivery added that there is 2137km of water reticulation infrastructure through the district. He said there have been 88 transgressions over the past five years within the reticulation, and of those, 15 have been on supplies without residual management.

In response to a question, the Manager Infrastructure Services - Delivery confirmed the key reticulation threat incident rate figures do not include any earthquake damage or repair figures.

Regarding the additional cost of the implementation of the recommended option, the Manager Infrastructure Services - Delivery confirmed the five (5) sources that do not currently have permanent chlorine treatment already have the dose pump equipment installed. He said additional costs would be the chlorine itself and ensuing maintenance costs, however he expects that these will be minimal and will be built into this year's approved budgets.

The Manager Infrastructure Services - Delivery confirmed, if this committee adopts the recommended option, then all water sources in the Hurunui District will be chlorine treated. He also confirmed that indications relating to stock disliking treated water appear to specifically relate to MIOX treated water rather than chlorine treated water. The Chief Executive Officer clarified the MIOX as a Mixed Oxidant Solution and said it is a treatment process that combines salt, water and power.

The discussion turned to the community. Cr Davison expressed concern that people tend to believe their water to be safe to drink when it actually may not be, he said there are high risks associated with insufficiently treated water for members of the community who have a vulnerability or due to ill health and chlorinating the water is the best way of reducing that risk.

In response to a question regarding the option for point of entry (POE) treatment, the Manager Infrastructure Services - Assets said there is provision for POE in the Drinking Water Standards. Implementation across the entire district would require the committee to consider dramatic alterations to the financial strategy in order to implement it and effectively discharge the council's responsibilities to provide safe drinking water.

The Chief Executive Officer pointed out the community do have the option of removing chlorine from their drinking water through the use of water filtration systems.

When asked if this is legislation driven or consumer driven, The Manager Infrastructure Services - Delivery confirmed the driver for chlorine dosing is public health.

The discussion turned to the Balmoral water scheme, with the Manager Infrastructure Services - Delivery confirming that the Balmoral water scheme is chlorinated. When the question of responsibility for the safety of this water source, the Manager Infrastructure Services - Assets confirmed the responsibility for the safe supply of drinking water for the Balmoral water scheme remains with Council.

In response to a query relating to training of staff, the Manager Infrastructure Services - Delivery explained the training and certification of staff involved in the handling of the treatment plants. He said a specific Council Officer is currently certified in the maintenance of the treatment plants and that the Council Officer trains the watermen in the field in the specific nuances of their own scheme and treatment plant. He confirmed Council Officers are trained and are always working towards continuous improvement.

When questioned about the use of chlorine gas, the Chief Executive Officer confirmed chlorine gas use is only being considered at this stage and that if it was going to be implemented, Council Officers would be fully trained in its use and safe handling.

In response to a question regarding the health of animals and the effect of chlorine on them. The Manager Infrastructure Services - Assets confirmed the Drinking-water Standards for New Zealand are based on human values and although he has asked the question of various experts, he has not been able to ascertain with any certainty that those values should be any different for animals. The Chief Executive Officer added that the same drinking water standard values apply to animals and that water palatability issues with animals relate to MIOX treated water.

The concern over a lack of factual information for residents regarding chlorine treatment was raised. The Manager Infrastructure Services - Delivery and Manager Infrastructure Services - Assets both agreed that a public engagement and education campaign would be beneficial to better understanding the facts and benefits of the district-wide chlorine treatment.

TO IMPROVE THE SAFETY TO CONSUMERS, THE INFRASTRUCTURE COMMITTEE APPROVES THE USE OF CHLORINE ON ALL SUPPLIES CURRENTLY WITHOUT RESIDUAL DISINFECTANT.

Harris/Ward

CARRIED

3. DISCUSSION ITEMS

**3.1 Route 70
Speed Limit
Review 2017**

The Manager Infrastructure Services - Assets presented the report.

He began by explaining the context of the review and said the infrastructure risk tool and appropriate speed tool are the two tools used to evaluate and assess the safe speed limits.

The Manager Infrastructure Services - Assets explained the options presented in the report and is seeking the Committee's consideration, and that feedback would be passed on to NZTA/NCTIR. He said following this consideration, more formal public, road user and stakeholder engagement regarding the proposed speed changes would be necessary in accordance with the Council's Speed Review procedures and the NZTA Speed Management Guide. He explained the convoy effect on traffic behaviour when the speed is set to a specific level i.e. 80k/hr versus the open road limit which tends to encourage potential unsafe traffic hopping/passing type behaviour.

The Manager Infrastructure Services - Assets also highlighted the requirement for a correction on page 61 of the agenda, saying that Rotherham bullet point should read 70km not 50km.

THAT THE COMMITTEE PREFERRED THE SPEED PREFERENCE OPTION TWO MIXED 80KM/H AND 100KM/H OPEN ROAD.

Harris/Anderson

CARRIED

**3.2 Stage 2
Havelock North
Inquiry
Canterbury Joint
Submission**

The Manager Infrastructure Services - Assets presented the report. He outlined the report in the next stage of the Government Inquiry into Havelock North Drinking Water.

He said Hurunui District Council plan to be a participant in the joint Canterbury Submission, and pointed out that submissions close 21 July 2017.

In response to a query regarding the relationship with the Canterbury Joint Submission and the decision to be a part of that rather than submitting a stand-alone submission. The Chief Executive Officer clarified the decision to be a part of the joint submission, and said there was an opportunity for a stand-alone submission, but generally Council Officers participate in Canterbury-wide joint submissions. He said on this occasion there was some commonality on this issue with the Canterbury-wide joint submission and it seemed to be the most sensible approach.

THAT THE INFORMATION BE RECEIVED AND THAT THIS COMMITTEE ENDORSES THE DRAFT CANTERBURY DRINKING WATER REFERENCE GROUP JOINT SUBMISSION AS PER APPENDIX 1.

Harris/Ward

CARRIED

4. INFORMATION ITEMS

**4.1
Infrastructure
Service Delivery
Monthly**

The Manager Infrastructure Services - Delivery gave an overview of the summarised Dashboard format of the report. He said that this report differs from previous months reports with the inclusion of the budget information, some of the points noted from the overview were:

- 91% of the operational budget was spent. Six key events in the Water Supply Operations for the month of June were identified.
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- 72% of the allocated OPEX Waste Water Operations budget has been spent, with a lot of CCTV and clearance work being undertaken as a result of the earthquake.
 - 51% of the Stormwater Operations budget has been spent. There was one key event, which has resulted in a large-scale improvement work at Leithfield, which has been completed.
 - 99% of the Roding budget has been spent. Roding Operations show two key events including the erosion protection along a section of Conway Flat Road and two major slip sites removed. The Manager Infrastructure Services - Delivery said the rock removed from the slip sites has been stockpiled for future use.

In response to a query relating to Dock Creek, the Manager Infrastructure Services - Assets confirmed a surveyor will be assessing the site to ascertain the lay of the land. The Manager Infrastructure Services - Delivery further explained that Council officers have walked the area and have observed various items dumped within the stream site through Dock Creek East.

In response to a question regarding progress and implementation of a standard operating procedure (SOP) for the water treatment plants, the Manager Infrastructure Services - Delivery confirmed the development and implementation of SOP's is progressing. The Manager Infrastructure Services - Delivery also confirmed that next generation dosing pumps have been installed, he took the opportunity to briefly explain their operation.

THAT THE INFORMATION BE RECEIVED.

Harris/Anderson

CARRIED

Adjournment

The Committee adjourned the meeting for afternoon tea at 2.44pm and reconvened at 3.09pm.

4.2 Asset Works Programme 3 Waters and Roding

The Manager Infrastructure Services - Assets took the report as being read.

Where there was discussion about individual items, some of the main points are noted below:

Water

Item 32 – Amuri Water Intake

The Manager Infrastructure Services - Assets updated progress, and said:

- The contractor has completed the slotting and developing the bore.
- The constant extraction rate was determined at maximum 6.5 l/s. Although this is not nearly the 15 l/s thought originally possible.
- It should be noted that the existing shallow bore extraction could be affected by a nearby shallow pit that is susceptible to paddock irrigation (grey water - unknown source) contamination. He said this is of concern, as this was evident in the Havelock North incident and is the post-assessment of why a community suffered bacterial ingestion.

The Chief Executive Officer added that the Amuri water supply is chlorine dosed and uV treated.

The Manager Infrastructure Services - Assets explained water testing on the old and the new source has been carried out and he shared the results of

those with the Committee. He summed up by saying the tests show the new water is of reasonable drinking standard.

The Manager Infrastructure Services - Assets added there is confidence that a deep well source could possibly be installed to supply the Rotherham community independently.

Item 31 - Cheviot Main Intake

The Manager Infrastructure Services - Assets briefly updated the Committee and said a potential property owner has been approached, and that it is looking likely that the current extraction point will remain, but with further considered development of the intake site.

Item 21 - Maintenance and Monitoring Programme for Amberley Stormwater

The Manager Infrastructure Services - Assets updated progress, and said the programme is with Environment Canterbury for approval, and that as soon as it is approved it would be applied, he said additional compliance and cost is expected to be required to meet the programme outcomes.

Item 17 – Develop 3-year Stormwater FWP

The Manager Infrastructure Services - Assets reported that he wants to complete these six approved stormwater works this year, subject to availability of an HDC Stormwater Engineer or increased consultancy assistance.

Item 46 - AMP review - Water Services

The Manager Infrastructure Services - Assets noted the AMP review for water and roading are being undertaken at present. He took the opportunity to explain the 30-year infrastructure strategy review and its relation to the drinking water standard requirements (Stage 2 Havelock North inquiry) and the ensuing potential impacts on the current draft LTP.

The Chief Executive Officer clarified the log rating system. He said the water results have returned 0 Log, but the minimum requirement is that the treatment is to 3 Log. He said the Ministry of Health determine the Log rating which is a desk based assessment, but the actual water tests are resulting in 0 Log rating.

After a short discussion regarding Log ratings, the Manager Infrastructure Services – Assets said he would contact the CDHB regarding the Log Rating at setting at 3 and the possibility of a reconsideration of that.

THAT THE INFORMATION BE RECEIVED.

Harris/Anderson

CARRIED

5. URGENT BUSINESS

5.1 Pedestrian Salvations in Amberley

Cr Ward raised concern over the damaged pedestrian salvations (refuge crossings) on State Highway 1, in the main street of Amberley. He explained the difficulty various pedestrians have negating the existing setup and asked the Committee to consider replacing the existing installations with the one he tabled for circulation amongst the Committee.

The Manager Infrastructure Services - Assets confirmed he has received a commitment from NZTA regarding the replacement of the pedestrian salvation furniture.

The Manager Infrastructure Services - Assets outlined the option for the replacement of the damaged pedestrian salvation furniture currently installed on the SH 1, in the main street of Amberley, with a 'staple design'. He confirmed he would further consult with the Committee if there is resistance from or if NZTA's commitment changes or will result in a substantial financial impact or input required by Hurunui District Council.

The Manager Infrastructure Services – Assets mentioned that HDC may have to pay the cost of re-configuring the kerbs at the salvations to accommodate the staple design requirements, but that this cost would be negligible compared to the on-going costs experienced to date with the current design format.

THAT NZTA BE APPROACHED TO REPLACE THE EXISTING PEDESTRIAN SALVATIONS WITH THE EXAMPLE OF THE STREET FURNITURE AS CIRCULATED AND THAT THE INSTALLATION BE ACTIONED, CONTINGENT ON THERE BEING NO SUBSTANTIAL FINANCIAL IMPACT ON HURUNUI DISTRICT COUNCIL.

Dalley/Harris

CARRIED

Meeting Ended

The meeting ended at 4.08pm.

The next meeting will be 9.30am on Thursday, 17 August 2017