

Infrastructure Committee Agenda

Date: Thursday, 11 February, 2021

Time: 9:00 am

Location: Council Chamber
Forum North, Rust Avenue
Whangarei

Elected Members: Cr Greg Martin (Chairperson)
Her Worship the Mayor Sheryl Mai
Cr Gavin Benney
Cr Vince Cocurullo
Cr Nicholas Connop
Cr Ken Couper
Cr Tricia Cutforth
Cr Shelley Deeming
Cr Jayne Golightly
Cr Phil Halse
Cr Greg Innes
Cr Anna Murphy
Cr Carol Peters
Cr Simon Reid

For any queries regarding this meeting please contact
the Whangarei District Council on (09) 430-4200.

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Recommendations contained in the agenda are not the decisions of the meeting.

Please refer to minutes for resolutions.

Infrastructure Committee – Terms of Reference

Membership

Chairperson Councillor Greg Martin

Members Her Worship the Mayor Sheryl Mai
 Councillors Gavin Benney, Vince Cocurullo, Nicholas Connop, Ken Couper, Tricia Cutforth, Shelley Deeming, Jayne Golightly, Phil Halse, Greg Innes, Anna Murphy, Carol Peters, Simon Reid

Meetings Monthly

Quorum 7

Purpose

To oversee the management of council's infrastructural assets, utility services and public facilities.

Key responsibilities

- Services including the provision, maintenance and capital investment for:
 - Infrastructure asset management, projects and support
 - Infrastructure project co ordination
 - Transportation
 - Waste and drainage
 - Solid waste, waste minimisation and recycling services
 - Water
 - Parks and reserves
 - Cemetery
 - Laboratory services
 - Flood alleviation schemes
- Reporting on service delivery, including operational financial performance.
- Reporting on capital projects.
- Operational reporting for the Infrastructure group within Council.

- Procurement – general procurement relating to the areas of business of this committee, within delegations.
- Shared Services – investigate opportunities for Shared Services for recommendation to council.
- Council Controlled Organisations (CCOs) – monitoring the financial and non-financial performance of CCOs whose functions would otherwise fall under the scope of this committee. Includes trading CCOs (CCTOs) and those CCOs exempted under the LGA. Responsibilities include:
 - advising on the content of annual Statement of Expectations to CCOs
 - agreement of the Statement of Intent
 - monitoring against the Statement of Intent
 - for exempted CCOs, monitoring and reporting as agreed between Council and the organisation

CCOs accountable to this committee:

- Northland Regional Landfill Limited Partnership (NRLLP) – CCTO
- Whangarei Waste Limited (WWL) – exempted CCO

Delegations

- (i) All powers necessary to perform the committee's responsibilities, including, but not limited to:
 - a) the approval of expenditure of less than \$20 million plus GST.
 - b) approval of a submission to an external body.
 - c) establishment of working parties or steering groups.
 - d) adoption of strategies and policies relating to the key responsibilities of this committee (except for those that cannot be delegated by Council under Clause 32(1)(f) of Schedule 7 of the LGA).
 - e) power to establish subcommittees and to delegate their powers to that subcommittee.
 - f) the power to adopt the Special Consultative Procedure provided for in Section 83 to 88 of the LGA in respect of matters under its jurisdiction (this allows for setting of fees and bylaw making processes up to but not including adoption).
 - g) the power to delegate any of its powers to any joint committee established for any relevant purpose under clause 32, Schedule 7 of the Local Government Act 2002.

Item 3.1
Infrastructure Committee Meeting Minutes

Date: Thursday, 10 December, 2020
Time: 9:00 a.m.
Location: Council Chamber
 Forum North, Rust Avenue
 Whangarei

In Attendance

 Cr Greg Martin (Chairperson)
 Her Worship the Mayor Sheryl Mai
 Cr Vince Cocurullo
 Cr Nicholas Connop
 Cr Ken Couper
 Cr Tricia Cutforth
 Cr Shelley Deeming
 Cr Jayne Golightly
 Cr Greg Innes
 Cr Anna Murphy
 Cr Carol Peters
 Cr Simon Reid

Not in Attendance

 Cr Gavin Benney
 Cr Phil Halse

Scribe

 C Brindle (Senior Democracy Adviser)

1. Declarations of Interest

Item 5.2 2019/20 Annual Report from the Northland Regional Landfill Limited Partnership.

2. Apologies

Crs Gavin Benney and Phil Halse.

Moved By Cr Vince Cocurullo

Seconded By Cr Carol Peters

That the apologies be sustained.

Carried

3. Confirmation of Minutes of Previous Infrastructure Committee Meeting

3.1 Minutes Infrastructure Committee Meeting held Thursday 12 November 2020

Moved By Cr Vince Cocurullo

Seconded By Cr Carol Peters

That the minutes of the Infrastructure Committee meeting held on Thursday 12 November 2020, having been circulated, be taken as read and now confirmed and adopted as a true and correct record of proceedings of that meeting.

Carried

4. Decision Reports

4.1 Ngunguru Village Pedestrian Crossing Investigation Report

Moved By Cr Anna Murphy

Seconded By Cr Carol Peters

That the Committee:

1. Receives the investigation and recommendations report in response to a petition received requesting Zebra Crossing Facilities in Ngunguru Village.
2. Approves an upgrade to the crossing facility outside the Ngunguru Village Shops, to be implemented in the 2021/2022 financial year.
3. Approves the installation of a Kea crossing facility at Shoebridge, subject to the community or school agreeing to manage the facility at this location, and to be implemented as part of Tutukaka Coast Speed Limit Review (2021-22).

Carried

Cr Cocurullo abstained from voting on Item 4.1.

4.2 Petition for Slow Street treatments, Hedly Place, Raumanga

Moved By Her Worship the Mayor

Seconded By Cr Nicholas Connop

That the Committee;

1. Receives the petition requesting slow street treatments for Hedley Place, and instructs staff to:
 - a. investigate the request and report back to this Committee; and
 - b. advise the petition organiser of this course of action.

Carried

4.3 Lease Review for Property on Whangarei Heads Road adjacent to Nook Road

Moved By Cr Greg Innes

Seconded By Cr Shelley Deeming

That the Infrastructure Committee

1. Approves surrendering the lease between Manaia Excavators and Whangarei District Council for the property on Whangarei Heads Road adjacent to Nook Road.
2. Authorises the Chief Executive to execute all terms and conditions required for the lease.

Carried

4.4 Contract 17056 Kamo Shared Path Stages 3 & 4 – Kamo Rd to Fisher Terrace

Moved By Her Worship the Mayor Sheryl Mai

Seconded By Cr Nicholas Connop

That the Committee

1. approves that the value of contract CON17056 Kamo Shared Path Stages 3 & 4 be increased from \$4,509,070.92 to \$4,909,390.38 (Four Million, Nine Hundred and Nine Thousand, and Three Hundred and Ninety Dollars and Thirty-Eight Cents) excluding GST.

Carried

4.5 Seal Extension Programme for 2020/21

Moved By Cr Ken Couper

Seconded By Cr Shelley Deeming

That the Committee;

1. Approves the proposed Seal Extension Programme for 2020.
2. Confirms the ratepayer contribution rate for the Ratepayer Subsidised Seal Extension projects remains at \$4,000-00 plus GST per property in the area of benefit.

Carried

5. Information Reports

5.1 Contracts Approved Under Delegated Authority

Moved By Cr Shelley Deeming

Seconded By Cr Nicholas Connop

That the Infrastructure Committee note the Infrastructure contracts awarded under Chief Executive and General Manager delegated authority.

Carried

5.2 2019/20 Annual Report from the Northland Regional Landfill Limited Partnership

Moved By Cr Vince Cocurullo

Seconded By Cr Shelley Deeming

That the Infrastructure Committee note the 2019/20 Annual Report from the Northland Regional Landfill Limited Partnership.

Carried

Declaration of Interest:

Cr Martin declared an interest as a Director of NRLLP.

5.3 Infrastructure Operational Report - December 2020

Moved By Cr Vince Cocurullo

Seconded By Cr Shelley Deeming

That the Infrastructure Committee notes the Infrastructure Operational Report update.

Carried

6. Public Excluded Business

There was no business conducted in public excluded.

7. Closure of Meeting

The meeting concluded at 10.23am.

Confirmed this 11th day of February 2021

Councillor Greg Martin (Chairperson)

4.1 Oakura Wetland community project – additional funding

Meeting: Infrastructure Committee
Date of meeting: 11 February 2021
Reporting officer: Sue Hodge (Manager Parks & Recreation)

1 Purpose

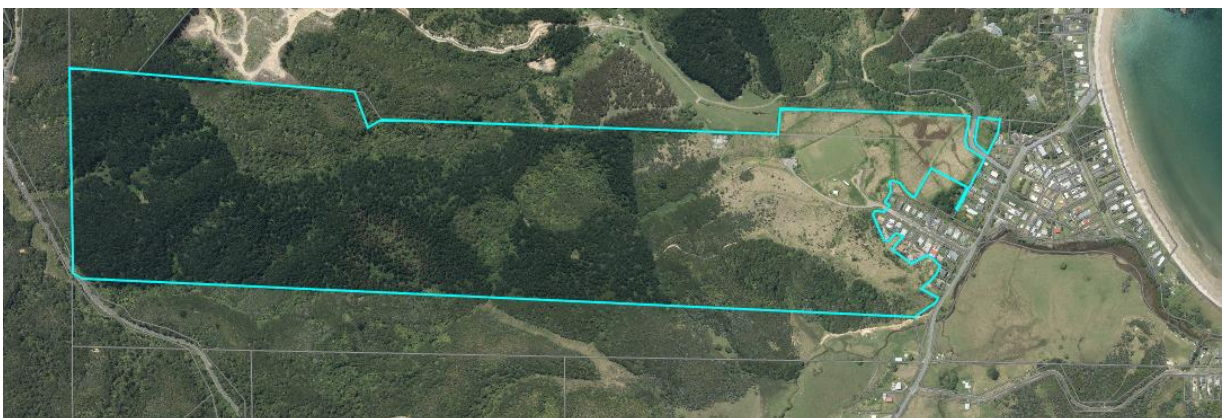
To seek additional funds to cover the consenting costs for the Oakura wetland community project.

2 Recommendation

That the Oakura community are informed that they can make a submission to the 2021-31 Long Term Plan, or the Community Grant fund, for up to \$25,000 towards the Oakura wetland project resource consent.

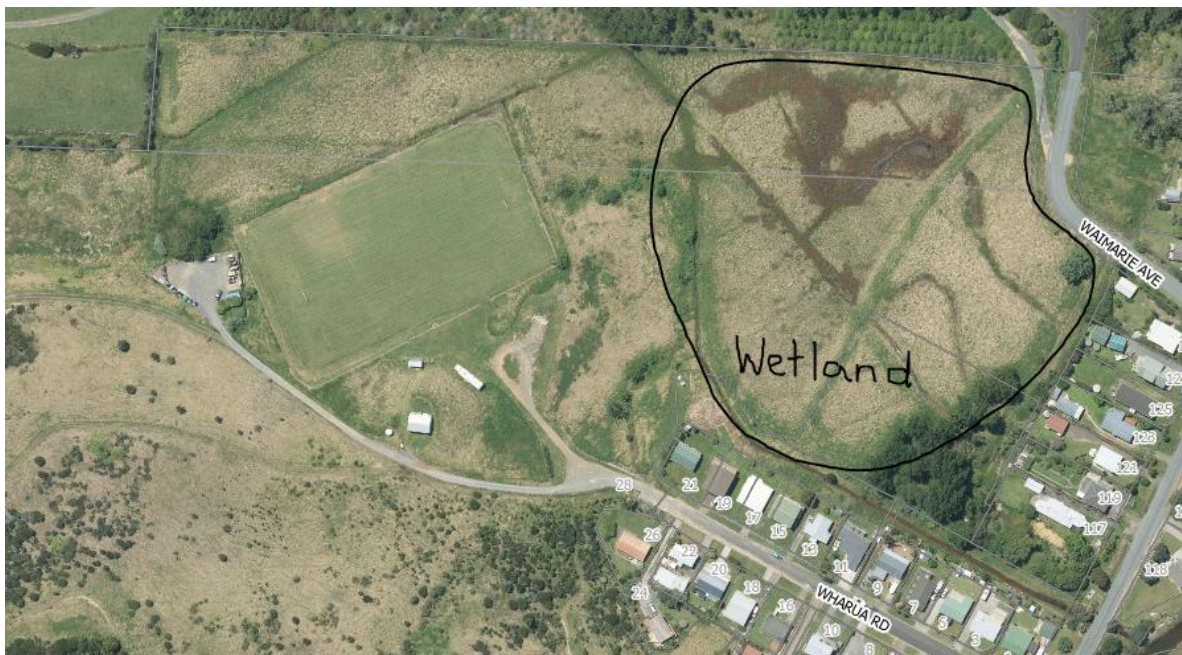
3 Background

Council owns a large property at Oakura that is partly a commercial forestry block and partly used for a variety of community uses including a wastewater plant, transfer station, sports fields and the recently built sports facility.



Council owned property

As part of the 2019-20 Annual Plan Council approved \$20,000 to assist the Oakura community with consenting requirements for a wetland project on this property. The budget was the best guess based on information at the time and not based on a quote from a planning consultant. The group thought they would just be undertaking some minor earthworks to create some small ponds and undertake mass planting.



Proposed wetland area

Unfortunately, there have been several changes in planning legislation since the project was first thought of, including changes to the proposed Regional Plan for Northland and National Policy Statement for fresh water management (2020) and Resource Management (National Environmental Standards for Freshwater) Regulations 2020 (Freshwater NES) which seeks to protect inland and coastal wetlands.

Council's stormwater team suggested the proposed wetland design and consenting could cost up to \$80,000 based on recent projects.

A smaller environment engineering company (Morphum Environmental Ltd), that undertakes stormwater management work in the region, has provided an Offer of Service to undertake the work. They believe they could provide a constructed wetland design and completed resource consent application that can achieve the goals of the community and meet the conditions of the initial planning assessment for \$37,310.

This offer of service does not include a cultural impact assessment, NRC resource consent lodgment fees or monitoring fees.

4 Discussion

The community have wanted to undertake this wetland project for many years. Undertaking work in a wetland area is no longer simple and consenting and consultation is a key part of the process.

Council has approved \$20,000 towards the consent. The final consent will cost closer to \$45,000 once all technical reports are commissioned and resource consent fees and monitoring fees paid.

If the community can get a consented design, there are a number of central government funding sources available to complete the physical works such as the Fresh Water Improvement fund and Jobs for Nature fund.

4.1 Financial/budget considerations

Council has approved \$20,000 plus GST towards this project as part of the 2019-20 Annual Plan deliberations. There is a shortfall of around \$25,000 and there is no alternative Infrastructure Department budget available. It is recommended that the community make a submission through the Long-Term Plan process or an application to the community grant scheme.

4.2 Policy and planning implications

To be granted consent it needs to demonstrate it complies with Regional Plan and Freshwater NES rules. This requires a number of technical reports to be delivered including an ecological assessment, cultural impact assessment, landscape report and engineering reports to cover the impacts of flooding effects, water diversion impacts, earthwork volumes and erosion and sediment control.

4.3 Options

Two options have been assessed:

Option 1- Do not approve a budget overspend. This option means the community group will need to find the shortfall in funding to ensure the project can progress. It is recommended that they either make a submission through the Long-Term Plan process or make an application to the community grant scheme.

Option 2 - Approve a budget over spend. This option means the project can get designed and consented and the community can seek further funding from a variety of grant sources to implement the project. Many grant funders require a project to have all required consents in place before approving funds.

There is no Council operational budget available for this project and due to budget reductions undertaken earlier in the year in response the impact of COVID-19 the preferred option is Option 1.

4.4 Risks

Because this is a community led project there is a risk that the community do not have the skills to manage the resource consent process leading to a project commencing on Council land without proper authorities. It is proposed this risk is mitigated by Council providing clear information about what the consenting requirements are.

5 Significance and engagement

The decisions or matters of this Agenda do not trigger the significance criteria outlined in Council's Significance and Engagement Policy, and the public will be informed via Agenda publication on the website.

5.1 Contracts Approved Under Delegated Authority

Meeting: Infrastructure Committee
Date of meeting: 11 February 2021
Reporting officer: Simon Weston (General Manager Infrastructure)

1 Purpose

For the Infrastructure Committee to note Infrastructure contracts awarded under Chief Executive and General Manager delegated authority.

2 Recommendation

That the Infrastructure Committee note the Infrastructure contracts awarded under Chief Executive and General Manager delegated authority.

3 Background

Table 1 (below) records Infrastructure contracts awarded under Chief Executive and General Manager delegated authority. Attachment 1 provides a summary of the award process for each contract and a brief description of the works being undertaken

Table 1: Infrastructure Contracts Awarded Under Delegated Authority

1. Roading	
CON19051	Whangarei Heads Road Culvert No. 563 Replacement
CON20050	Cemetery Road Culvert No. 872 Replacement
CON20051	General Bridge Repairs – 2020/21
CON20052	Scour Protection Works – 2020/21
CON20060	Maunu and Rewa Rewa Roads Rehabilitation
2. Waste and Drainage	
CON20055	Sanitary Sewer Renewal 2020-21
CON20061	Cove Road Waipu WWTP Sewer Rising Main Replacement
3. Parks and Recreation	
CON18007	Princes Road Seawall Renewal
CON20003	Town Basin Lighting Renewal
4. Water Services	
CON18009	Contract Variation: Whau Valley Water Treatment Plant Detailed Design

4 Significance and engagement

The decisions or matters of this Agenda do not trigger the significance criteria outlined in Council's Significance and Engagement Policy, and the public will be informed via Agenda publication on the website.

5 Attachment

1. Summary of Contracts Approved Under Delegated February 2021

Summary of Contracts Approved Under Delegated Authority

This attachment provides a summary of the award process and works being undertaken for Infrastructure contracts awarded under Chief Executive and General Manager delegated authority.

1.0 Roading

CON19051

Whangarei Heads Road Culvert No. 563 Replacement

Introduction

Contract 19051 is for the replacement of an existing culvert on Whangarei Heads Road with a precast concrete box structure and associated works to ensure a continual level of service to users.

Procurement Process

Tenders have been evaluated in accordance with the Conditions of Tendering stated in the tender documents. The tender evaluation method is "Price Quality Method Simple (PQM Simple)" in accordance with the Waka Kotahi New Zealand Transport Agency Procurement Manual (September 2019).

The tender evaluation team (TET) consisted of the following members:

Richard Kolkman	(WSP New Zealand) (Qualified Evaluator and TET Leader)
Zander Cutang	(Northland Transportation Alliance)
Dewi Todd-Jones	(WSP New Zealand)

Tenders Received and Evaluated

The tenders were opened using the Tenderlink forum for non-price attributes on 23 October 2020 and tender prices on 23 November 2020. The following tenders were received.

Tenderer	Price (Excl GST)	Less Scheduled Fixed (Provisional) Amounts	Evaluation Price	Supplier Quality Premium	Adjusted Tender Price (Excl GST)
Asset Construction Ltd	\$217,661.50	\$12,500.00	\$205,161.50	\$11,579.00	\$193,582.50
Donovan Enterprise Ltd	\$199,636.00	\$12,500.00	\$187,136.00	\$0.00	\$187,136.00
Downer New Zealand Ltd.	\$311,939.70	\$12,500.00	\$299,439.70	\$31,105.40	\$268,334.30
Steve Bowling Contracting Ltd	Non-conforming (Tagged) - (Price envelope unopened)				

Dempsey Wood Civil Ltd	\$317,176.59	\$12,500.00	\$304,676.59	\$36,473.85	\$268,202.74
United Civil Construction Ltd	\$220,687.11	\$12,500.00	\$208,187.11	\$16,210.60	\$191,976.51
Wilson Earthmoving Group Ltd	Non-conforming (Price envelope unopened)				
Engineer's Estimate	\$128,290.00				

- The tender submitted by Steve Bowling Contracting Ltd (SBC) contained several tags with their non-price submission. The tags were in reference to working around services and were generally considered to be acceptable by the TET except for one. In the unaccepted tag, SBC clarified that they required temporary relocation of sewer services to enable installation of the culvert, and that no price could be given for this work until the services were exposed and identified. The TET subsequently sent two clarification requests in order to receive confirmation from SBC that these works, as well as any other temporary works with in-ground services, can be absorbed or priced for within their tender price. However, the tenderer responded by saying that cost associated with the diversion has not been allowed for. The responses to clarifications were regarded as unacceptable by the TET, and SBC tender has been removed from further consideration.
- The tender submitted by Wilson Earthmoving Group Ltd was a non-conforming tender. The tenderer did not provide sufficient information necessary to proceed with the evaluation of their submission. No methodology, information about relevant experience, information on track records of previous projects, and no referees or contacts were provided. The TET considered these omissions significant enough to exclude Wilson Earthmoving Group Ltd from further consideration.

The tender evaluation consists of 2 stages as follows:

Stage 1 of the tender evaluation method involved reviewing the Non-Price Attribute submission for conformance with the Tender Document.

Following the assessment of the tenderer's attributes, and obtaining responses to the Tender Clarification Requests, representative tender attribute grades were agreed by the TET.

Stage 2 of the tender evaluation involved an arithmetic check on the submitted tender prices. No arithmetic errors were found in the tenderer's submitted Schedule of Prices.

The tendered sums are higher than the Engineer's Estimate. The difference with the Engineer's Estimate is believed to be due to overheated market conditions, uncertainty with regards to the in-ground services, differences in methods of traffic management and ensuring that the excavations and foundation beds are well-drained. The issues surrounding Covid-19 have also placed a further burden on contractors trying to recover from a slowing economy and accommodating for uncertainty in the future. The result is higher than anticipated scheduled rates for works to be completed.

Taking the above factors into account, the tendered sums within the current market are rated from 'appropriate' to 'high'.

The tender with the lowest Adjusted Tender Price was from Donovan Enterprise Ltd at \$199,636.00 (excluding GST). The tender sum of Donovan Enterprise Ltd is 156% of the Engineer's Estimate at \$128,290.00 (excluding GST) and is considered an 'appropriate' tendered sum. The TET received positive references with regards to the tenderer and the quality of their workmanship on similar projects in the past.

Financial

The budget for the Whangarei Heads Road Culvert No. 563 Replacement is \$200,000.00 (excluding GST).

General Manager Approval

The contract for Whangarei Heads Road Culvert No. 563 Replacement (CON19051) be awarded to Donovan Enterprise Ltd. for the tendered sum of \$199,636.00 (One hundred and ninety nine thousand, six hundred and thirty six dollars and zero cents) excluding GST.

CON20050 Cemetery Road Culvert No. 872 Replacement

Introduction

Contract 20050 is for the replacement of an existing deteriorated culvert on Cemetery Road in Maunu with a precast concrete box structure and associated works to ensure a continual level of service to users.

Procurement Process

Tenders have been evaluated in accordance with the Conditions of Tendering stated in the tender documents. The tender evaluation method is "Price Quality Method Simple (PQM Simple)" in accordance with the New Zealand Transport Agency Procurement Manual (September 2019).

The tender evaluation team (TET) consisted of the following members:

Richard Kolkman	(WSP New Zealand) (Qualified Evaluator and TET Leader)
Don Anderson	(Northland Transportation Alliance)
Dewi Todd-Jones	(WSP New Zealand)

Tenders Received and Evaluated

The tenders were opened using the Tenderlink forum for non-price attributes on 7 October 2020 and tender prices on 23 October 2020. The following tenders were received.

Tenderer	Price (Excl GST)	Less Scheduled Fixed (Provisional) Amounts	Evaluation Price	Supplier Quality Premium	Adjusted Tender Price (Excl GST)
Asset Construction Ltd	\$133,526.50	\$12,500.00	\$121,026.50	\$15,487.78	\$105,538.72
Donovan Enterprise Ltd	\$147,902.00	\$12,500.00	\$135,402.00	\$0.00	\$135,402.00

Earthworx Rural & Civil Ltd	\$187,078.50	\$12,500.00	\$174,578.50	\$33,366.06	\$141,212.44
Steve Bowling Contracting Ltd	\$178,009.63	\$12,500.00	\$165,509.63	-\$9,162.30	\$174,671.93
Ventia NZ Operations Ltd	\$128,032.88	\$12,500.00	\$115,532.88	\$7,354.62	\$108,178.26
United Civil Construction Ltd	\$175,540.14	\$12,500.00	\$163,040.14	\$14,414.40	\$148,625.74
Humes Pipeline System	Non-conforming (Price envelope unopened)				
Engineer's Estimate	\$110,780.00				

- The tender submitted by Humes Pipeline Systems (Humes) was a non-conforming tender. The tenderer did not provide sufficient information necessary to proceed with the evaluation of their submission. No Schedule of Prices, methodology, information about relevant experience or track records of previous projects, and no referees or contacts were provided for submitted projects. The TET considered these omissions significant enough to exclude Humes from further consideration. It appears that the same submission used for the supply of the culvert's units were used in this submission.

The tender evaluation consists of 2 stages as follows:

Stage 1 of the tender evaluation method involved reviewing the Non-Price Attribute submission for conformance with the Tender Document.

Following the assessment of the tenderer's attributes, and obtaining responses to the Tender Clarification Requests, representative tender attribute grades were agreed by the TET.

Stage 2 of the tender evaluation involved an arithmetic check on the submitted tender prices.

In Earthworx' submission, two computational errors were found within the pricing schedule where the rates were entered incorrectly but did not impact on their final tendered price.

No arithmetic errors were found in the tenderer's submitted Schedule of Prices.

The tendered sums are higher than the Engineer's Estimate. The difference with the Engineer's Estimate is believed to be due to overheated market conditions, uncertainty with regards to the overhead powerlines, differences in methods of traffic management and ensuring that the excavations and foundation beds are well drained. The issues surrounding Covid-19 have also placed further burden on contractors trying to recover from a slowing economy and accommodating for uncertainty in the future. The extent of all these have resulted in higher than anticipated scheduled rates for works to be completed.

Taking the above factors into account, the tendered sums within the current market are rated from 'appropriate' to 'high'.

The tender sum of Asset Construction Ltd at \$133,526.50 (excluding GST) is 121% of the Engineer's Estimate at \$110,780.00 (excluding GST) and have the lowest Adjusted Evaluation Price at \$105,538.72. Given the above, the tender is considered an 'appropriate' tendered sum, and as per the responses to the Tender Clarifications issued to the Tenderer, gave assurance to the TET that a high degree of planning was considered in their submission.

Financial

The budget for the Cemetery Road Culvert No. 872 Replacement is \$140,000.00 (excluding GST).

General Manager Approval

The contract for Cemetery Road Culvert No. 872 Replacement (CON20050) be awarded to Asset Construction Ltd. for the tendered sum of \$133,526.50 (One hundred and thirty three thousand, five hundred and twenty six dollars and fifty cents) excluding GST.

CON20051
General Bridge Repairs – 2020/21

Introduction

Contract 20051 is for the completion of various general repairs and replacement of structural components at various bridges and culverts in the Whangarei District. Works will mainly include repair and replacement of deteriorated decks; treatment of corroded steel components and treatment of concrete components on bridge piers, abutments and decks.

Procurement Process

Tenders have been evaluated in accordance with the Conditions of Tendering stated in the tender documents. The tender evaluation method is "Price Quality Method Simple (PQM Simple)" in accordance with the Waka Kotahi New Zealand Transport Agency Procurement Manual (September 2019).

The tender evaluation team (TET) consisted of the following members:

Richard Kolkman	(WSP New Zealand) (Qualified Evaluator and TET Leader)
Don Anderson & Zander Cutang	(Northland Transportation Alliance)
Dewi Todd-Jones	(WSP New Zealand)

Tenders Received and Evaluated

The tenders were opened using the Tenderlink forum for non-price attributes on 10 December 2020 and tender prices on 15 December 2020. The following tenders were received.

Tenderer	Price (Excl GST)	Less Scheduled Fixed (Provisional) Amounts	Evaluation Price	Supplier Quality Premium	Adjusted Tender Price (Excl GST)
Asset Construction Ltd	\$386,740.15	\$2,500.00	\$384,240.15	\$64,471.75	\$319,768.40
BDX Group Ltd	\$414,413.8	\$2,500.00	\$411,913.80	\$0.00	\$411,913.80
Steve Bowling Contracting Ltd	\$440,458.50	\$2,500.00	\$437,958.50	\$232,387.53	\$205,570.98
United Civil Construction Ltd	\$658,051.90	\$2,500.00	\$656,051.90	\$139,074.78	\$516,977.13
Engineer's Estimate	\$370,910.00				

- The tender submitted by Steve Bowling Contracting Ltd (SBC) contained a number of tags with their non-price submission, clarifying what they allowed for in several scheduled items. The tags were deemed to have no material effect on the Contract, except for one. SBC proposed alternative material (bitumen binder) which would result in savings for the tenderer when compared to other tenderers. The proposal was found to be acceptable by the TET, however, a negative SQP adjustment of \$8,000 has been applied. The tags were accepted.
- The tender submitted by United Construction Ltd (UCC) did not contain any tags with their tender submissions. UCCL Schedule Fixed Amounts were reduced by \$500.00 to reflect their submission where Provisional Sum of \$500.00 for Additional Testing was deleted.

The tender evaluation consists of 2 stages as follows:

Stage 1 of the tender evaluation method involved reviewing the Non-Price Attribute submission for conformance with the Tender Document.

Following the assessment of the tenderer's attributes, and obtaining responses to the Tender Clarification Requests, representative tender attribute grades were agreed by the TET.

Stage 2 of the tender evaluation involved an arithmetic check on the submitted tender prices. No arithmetic errors were found in the tenderer's submitted Schedule of Prices.

The tender with the lowest Adjusted Tender Price was from Steve Bowling Contracting Ltd at \$205,570.98 (excluding GST). The tender sum of SBC at \$440,458.50 (excluding GST) is 118% of the Engineer's Estimate at \$370,910.00 (excluding GST). The tenderer demonstrated a high degree of planning in their submission and typically has prices slightly higher than the estimate. Therefore, the tender is considered an appropriate tendered sum. SBC has obtained very high grades for each attribute reflecting their satisfactory submission and proven experience of successfully completing general bridge repair works and bridge upgrades in the past.

Financial

The budget for the General Bridge Repairs - 2020/21 is \$450,000.00 (excluding GST).

Chief Executive Approval

The contract for General Bridge Repairs – 2020/21 (CON20051) be awarded to Steve Bowling Contracting Ltd (SBC) for the tendered sum of \$440,458.50 (Four hundred and forty thousand, four hundred and fifty eight dollars and fifty cents) excluding GST.

CON20052 Scour Protection Works – 2020/21
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Introduction

Contract 20052 is for the construction of various types of scour protection works on various structures in the Whangarei District.

Procurement Process

Tenders have been evaluated in accordance with the Conditions of Tendering stated in the tender documents. The tender evaluation method is “Price Quality Method Simple (PQM Simple)” in accordance with the Waka Kotahi New Zealand Transport Agency Procurement Manual (September 2019).

The tender evaluation team (TET) consisted of the following members:

Richard Kolkman	(WSP New Zealand) (Qualified Evaluator and TET Leader)
Don Anderson & Zander Cutang	(Northland Transportation Alliance)
Dewi Todd-Jones	(WSP New Zealand)

Tenders Received and Evaluated

The tenders were opened using the Tenderlink forum for non-price attributes on 10 December 2020 and tender prices on 18 December 2020. The following tenders were received.

Tenderer	Price (Excl GST)	Less Scheduled Fixed (Provisional) Amounts	Evaluation Price	Supplier Quality Premium	Adjusted Tender Price (Excl GST)
Donovan Enterprises Ltd t/a Hutton and Cameron Contractors	\$315,509.00	\$2,500.00	\$313,009.00	\$0.00	\$313,009.00
Earthworx Rural and Civil Ltd	\$639,258.90	\$2,500.00	\$636,758.90	\$40,612.25	\$596,146.65
Engineer's Estimate	\$244,000.00				

The tender evaluation consists of 2 stages as follows:

Stage 1 of the tender evaluation method involved reviewing the Non-Price Attribute submission for conformance with the Tender Document.

Following the assessment of the tenderer's attributes, and obtaining responses to the Tender Clarification Requests, representative tender attribute grades were agreed by the TET.

Stage 2 of the tender evaluation involved an arithmetic check on the submitted tender prices. No arithmetic errors were found in the tenderer's submitted Schedule of Prices.

The tender with the lowest Adjusted Tender Price was from Donovan Enterprises Ltd t/a Hutton and Cameron Contractors at \$313,009.00 (excluding GST). The tender sum of Donovan at \$315,509.00 (excluding GST) is 129% of the Engineer's Estimate at \$244,000.00 (excluding GST). There are a number of provisional items where work shall only be carried out on a written instruction from the Engineer. It has a total value of \$51,670.00 that can be removed from the schedule to reduce the actual cost to complete the work within the budget.

Donovan typically has competitive prices and their tender is therefore considered an appropriate tendered sum. The tenderer obtained high grades for each attribute reflecting their satisfactory submission and proven experience of successfully completing scour protection works previously.

Financial

The budget for the Scour Protection Works - 2020/21 is \$195,000.00 (excluding GST). The increase in budget will be managed within the overall structures renewal budget of \$1.2M.

Chief Executive Approval

The contract for Scour Protection Works – 2020/21 (CON20052) be awarded to Donovan Enterprises Ltd t/a Hutton and Cameron Contractors for the tendered sum of \$315,509.00 (Three hundred and fifteen thousand, five hundred and nine dollars and zero cents) excluding GST.

CON20060 Maunu and Rewa Rewa Roads Rehabilitation
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Introduction

The Maunu and Rewa Rewa tender closed on 3 November 2020. The tenders received have been included within this report. This contract is for the rehabilitation of the Maunu and Rewa Rewa Road located in the Whangarei District Council area and is planned for construction during the 2020/21 and 2021/22 financial years.

Procurement Process

The Contract is an Early Contractor Engagement contract and will be completed as a series separable portions. Rewa Rewa Road will be constructed during the 2020/21 financial year as separable portion 3 or 4. Maunu Road will be constructed during 2021/22 financial year as separable portion 5 or 6.

Separable Portion 1: Pavement investigation, options, and design report.

Separable Portion 2: Dayworks for resources and plants utilised as and when requested by the Engineer for further investigation and design.

Separable Portion 3: Option A - Rewa Rewa Road Construction

Separable Portion 4: Option B - Rewa Rewa Road Construction

Separable Portion 5: Option A – Maunu Road Construction

Separable Portion 6: Option B - Maunu Road Construction

Tenders Received and Evaluated

The procedure outlined in the NZ Transport Agency (NZTA) Procurement Manual has been used for undertaking the tender evaluation for this project. The evaluation method is in accordance with Section 5.4 (Price Quality) of the Procurement Manual. The following attribute weightings were applied as follows:

Relevant Experience Contractor 10%

Relevant Experience Designer 5.0%

Tech Skills (Contractor) 5.0%

Tech Skills (Designer) 2.5%

Relevant Skills (Contractor) 5.0%

Relevant Skills (Designer) 2.5%

Methodology 10.0%

The Tender Evaluation Team (TET) was:

- Lee McFadyen, Stantec (Qualified Tender Evaluator)
- Clint Hanger NCC
- Rob Aubrey NTA

The non-priced attributes were assessed in accordance with the requirements of the RFT and the scores recorded as shown below:

Tenderer	Downer NZ	United Civil Construction
Weighted sum of non-price attribute grades	33.00	35.35

Two tenders were received as detailed below:

Separable portion	Downer NZ	United Civil Construction	Engineer's Estimate
1	\$56,358.40	\$115,137.50	\$100,000
2	\$148,150.00	\$246,726.00	\$136,500
Sub total	\$204,463.40	\$361,863.50	\$236,500
3	\$922,025.15	\$908,425.20	\$706,116.05
4	\$975,233.53	\$1,208,475.84	\$865,732.05
5	\$972,673.02	\$1,099,867.83	\$354,560.00
6	924,670.71	\$1187,472.87	\$811,212.50
TOTAL	\$3,999,065.80	\$4,766,105.23	\$2,974,121.18

NOTE: This contract award is for Separable Portion 1 and 2 only.

Tenderer	Price (Excl GST)	Less all Scheduled Fixed Amounts	Supplier Quality Premium	Adjusted Tender Price (Excl GST)
Downer	\$204,463.40	0	0	\$204,463.40
United Civil Construction	\$361,863.50	0	\$9,262.92	\$352,863.50
Engineer's Estimate	N/A	N/A	N/A	\$236,500.00

Separable Portion 1 involves pavement investigation, options, and design report.

Separable Portion 2 involves dayworks for resources and plants utilised as when requested by the Engineer for further investigation and design.

Each Separable Portion shall be treated as an independent scope of works, terminated upon completion, without any further obligation on either party to proceed to Separable Portions 3 to 6

Financial

The project will be funded from Work Category 214 – Sealed Road Rehabilitation, with an approved annual budget of \$4,196,000.00.

General Manager Approval

The contract for Maunu and Rewa Rewa Roads Rehabilitation (CON20060) separable portion 1 & 2, be awarded to Downer NZ Ltd for the tendered sum of \$204,463.40 (Two hundred and four thousand, four hundred and sixty three dollars and three cents) excluding GST.

2.0 Waste and Drainage

CON20055 Sanitary Sewer Renewal 2020-21
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Introduction

Contract 20055 is for the renewal and upgrade of sanitary sewer lines at various locations around the Whangarei District.

Procurement Process

Tenders have been evaluated in accordance with the Conditions of Tendering stated in the tender documents. The tender evaluation method is “Weighted Attributes Method” in general accordance with the New Zealand Transport Agency Procurement Manual (September 2019).

The tender evaluation team (TET) consisted of the following members:

Casper Kandori	WDC (Qualified Evaluator and TET Leader)
Rufino Guinto	Stellar Consultants
Georgia Nunes	Stellar Consultants

Tenders Received and Evaluated

The tenders closed on 11 December 2020 and were all submitted and opened using the Tenderlink portal. The non-price attributes envelope was opened on 14 December 2020 and the price envelope on 18 December 2020. The tenders were received and scored as follows.

Table 1 Price and Final Score:

	HydroTech Ltd	United Civil Construction Ltd	The Fletcher Construction Company T/A Pipeworks
Tendered price	\$708,579.27	\$1,037,294.63	Non-conforming -Price envelope unopened
Adjustment	\$10,564.98	-	
Adjusted Price	\$719,144.25	\$1,037,294.63	
Final score (%)	74.1	56	Fail
Rank	1	2	

The tender submitted by The Fletcher Construction Company (trading as Pipeworks) contained a cover letter that had several tags with their non-price submission. The tags were in reference to various issues and were

not reviewed in detail as the methodologies they priced for as described in their cover letter were unacceptable and rendered their tender non-conforming.

Unacceptable methodology: The tender specification required two sewer lines at Maunu Road to be upgraded from 150mm to 225mm diameter to provide additional capacity. In their tender, Pipeworks stated that they had priced for two options, but neither option allowed for upsizing of the sewer lines as required. Pipeworks offered to reline instead, claiming that the lining would produce a smooth internal finish which would increase the overall hydraulics of the pipeline without the size increase. The TET sent a clarification request to Pipeworks who confirmed that their methodologies did not allow for increasing the pipe size at Maunu Road. The tender was subsequently rejected as non-confirming and was not considered further. The rest of the tags and other non-price attributes were not assessed.

The price envelopes for the tender submitted by Hydrotech and United Civil both contained tags but were all considered acceptable.

The tender evaluation consists of 2 stages as follows:

Stage 1 of the tender evaluation method involved reviewing the Non-Price Attribute submission for conformance with the Tender Document.

Following the assessment of the tenderer's attributes, and obtaining responses to the Tender Clarification Requests, representative tender attribute grades were agreed by the TET.

Stage 2 of the tender evaluation involved an arithmetic check on the submitted tender prices. The Schedule of Prices template which was issued with the tender documents contained a calculation error. United Civil identified and corrected the error before submitting their tender. HydroTech's tender contained the error and was adjusted and increased by \$10,564.98 as part of the arithmetic check.

The final tender evaluation score is shown in Table 2. The tender with the highest score was from Hydrotech Ltd at an adjusted tender price of \$719,144.25 (excluding GST). This is considered a competitive tender price.

Financial

This works is funded under the Sewer Network Renewal budget (LTP Indicator 218) which has a total budget of \$1,853,840.00 this financial year.

Construction is expected to be completed by June 2021.

Chief Executive Approval

The contract for WDC Sanitary Sewer Renewal 2020-21 (CON20055) be awarded to HydroTech Ltd for the tendered sum of \$719,144.25 (Seven hundred and nineteen thousand, one hundred and forty four dollars and twenty five cents) excluding GST.

CON20061 Cove Road Waipu WWTP Sewer Rising Main Replacement
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Introduction

This Contract is for the construction of approximately 1,500 metres of 315mm diameter polyethylene sewer rising main from Waipu River to Waipu Wastewater Treatment Plant to replace the existing 200mm diameter uPVC line.

Procurement Process

The contract was publicly advertised on www.tenderlink.com and closed on 11 December 2020.

The tenders were evaluated using Lowest Price Conforming method and in accordance with the New Zealand Transport Agency Procurement Manual.

Tenders Received

All tenders were submitted using Tenderlink portal. The following four tenders were received:

Tenderer	Amount (excl of GST)
United Civil Construction Limited	\$388,096.70
Northern Drainage Limited	\$558,114.45
Connell Contractors Limited	\$857,775.26
Pipeline and Civil Limited	\$1,122,000.00
Engineers Estimate	\$816,590.00

Tender Evaluation

The Tender submitted by United Civil Construction Limited (UCCL) was the lowest at \$388,096.70. This is a significantly lower price compared to the Engineer's Estimate and other tenders received. For this reason, UCCL were asked to confirm their price, which they did in an email dated 14 December 2020.

The non-price attributes of the UCCL's tender were reviewed and deemed to meet the minimum requirements of the tender document.

The Tenderer's Schedule of Prices and Form of Tender were checked, and no arithmetic errors were found.

United Civil Construction Limited's tender is therefore lowest price conforming and considered for award.

Financial

The cost for this project (PJ 00505) is funded under the Wastewater Reticulation Upgrade budget (LTP Indicator 216) which has a total budget of \$1,133,306.00 which was brought forward to the current financial year (2020/21).

Construction is expected to be completed by June 2021.

Chief Executive Approval

The contract for Cove Road – Waipu WWTP Sewer Rising Main Replacement (CON20061) be awarded to United Civil Construction Limited for the tendered sum of \$388,096.70 (Three hundred and eighty-eight thousand, ninety-six dollars and seventy cents) excluding GST.

3.0 Parks and Recreation

CON18007 Princes Road Seawall Renewal
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Introduction

This Contract is for the creation of a new rock revetment seawall at Princes Road, Ruakaka. The works include removing remnants of old concrete structures, replacing stormwater culverts, constructing a new rock wall, backfilling behind the wall to raise the ground level, protecting the existing pohutukawa trees, installing access steps and raising the level of the grass area to reduce ponding.

This project was originally tendered in 2018 with a lower seawall, removing the Pohutukawa trees, no steps, without replacing the culverts and no fill in the grass area. Public pushback and associated consenting issues have changed the scope of works.

Procurement Process

The tender was publicly advertised through Tenderlink on 20 April 2018 and closed on 11 May 2018.

The tender evaluation method was Lowest Price Conforming in accordance with NZ Transport Agency's Procurement Manual. Six tenders for the 2018 scope of work were received as follows;

Tenderer	Total Tendered Price (excl. GST)
Asset Construction Ltd.	\$196,743.37
Broadspectrum Ltd.	\$324,342.46
Clements Contractors Ltd.	\$223,875.74
Donovan Enterprises T/a Hutton & Cameron	\$132,754.84
Huband Contractors Ltd.	\$110,360.04
United Civil Construction Ltd.	\$349,268.91

The Engineers Estimate was \$190,507.08 for the 2018 scope of work.

Huband Contractors Ltd. submission was the lowest price and was found to conform with all the tender attributes and requirements.

The tender was advertised during the consenting period, but when the tenders were received the District Council Consent was not granted. To secure the consent the design was changed to meet Council's requirements and the community's expectations. This changed the scope of work and delayed construction. The preferred tenderer, Huband Contractors, agreed to work with Council on this project once public consultation, the final design and consenting had been completed.

Changes to the scope of works include a higher seawall, retaining and protecting the six Pohutukawa trees, installing access steps and handrails, replacing the culverts below the proposed wall and raising the grass area with fill to improve drainage.

A procurement plan was approved on 3 July 2020 allowing Council to negotiate directly with Huband Contractors for the new scope of works. Once all required consents were granted the Engineers estimate was updated to reflect the new scope of works and 2020 prices.

Below is a summary of the main changes in the Engineers estimate between 2018 and 2020.

New Scope Items and Removed Items - 2020 Engineers Estimate	
Item	Eng Est 2020
Relocation of saltmarsh plants	\$ 4,400.00
Tree mitigation measures: Geotextile, novacoil and fill around trees (6 trees)	\$ 36,000.00
Stair sets with handrails (2 sets 2.39m wide concrete precast)	\$ 18,000.00
Raise carpark/reserve (remove topsoil, fill, replace topsoil) (1,200m3)	\$ 35,760.00
Grass carpark	\$ 4,000.00
Remove and replace 300mm dia section of culverts between road and outlet (RCRRJ class 4) (18m)	\$ 5,850.00
Remove and replace 450mm dia section of culverts between road and outlet (RCRRJ class 4) (10m)	\$ 4,000.00
Install culvert headwall with baffles (3 headwalls)	\$ 2,400.00
Dayworks rates - in case of unscheduled works	\$ 4,927.75
Remove Pohutukawa trees	-\$ 1,496.00
Plant trees	-\$ 1,068.48
Total of new items	\$ 112,773.27

Items that have increased in price between 2018 and 2020 Engineers Estimate				
Item	2018 Estimate	2020 Estimate	Price increase	Reason for price increase
Construct rock revetment seawall	\$56,000.00	\$96,027.85	\$40,027.85	Rock spall volume increase from 795m ³ to 1025m ³ . Rates to supply and construct increased from \$70/m ³ to \$93/m ³
Backfill behind seawall to raise ground profile	\$40,950.00	\$50,912.89	\$9,962.89	Sand backfill volume increased from 580m ³ to 1420m ³ . This rate has been discounted by using Council's sand supply from Ruakaka.
Contingency (10% of the total estimate)	\$17,318.83	\$33,861.40	\$16,542.57	As total cost of works increased the percentage for contingency increased.
Reinstate with topsoil and grass	\$10,000.00	\$18,303.76	\$8,303.76	Wall size increased, increasing area for grass reinstatement.
Total of increased items			\$74,837.07	

Overall the increased estimated cost is due to the increase in scope and increase in rock spall costs.

In 2018 one of the advantages of Huband's tender was a local rock source. Due to delay this source is no longer available.

The Engineers estimate for the 2020 scope of works is \$372,475.39.

Tenders Received and Evaluated

Huband Contractors have updated their quote for the 2020 scope of works.

The first quote received was challenged. Hubands amended their price and by sourcing an alternative rock spall supplier closer to the site, this reduced the cost by \$30,000.00.

The updated Huband Contractors quote is \$364,106.22 excluding GST.

The Engineer's estimate is \$372,475.39 excluding GST.

The quote received is 2% less than the estimate.

Overall the quoted value has been assessed to be a fair price for the contracted works.

Tenderer	Price (Excl GST)
Huband Contractors Ltd	\$364,106.22
Engineer's Estimate	\$372,475.39

Financial

The Coastal Structures Renewal account has \$340,978.00 available for the Princes Road Seawall. The stormwater portion of the work will be paid from the Stormwater Line and Manhole Renewals budget, this is valued at \$33,086.36.

Account Name	Budget Contribution
Taurikura/Richie Road/Princes Road Seawall Renewals	\$340,978.00
Stormwater Line and Manhole Renewals	\$33,086.36

Chief Executive Approval

The contract for Princes Road Seawall Renewal (CON18007) be awarded to Huband Contractors for the tendered sum of \$364,106.22 (Three hundred and sixty four thousand, one hundred and six dollars and twenty two cents) excluding GST.

CON20003 Town Basin Lighting Renewal

Introduction

The existing lighting (poles and luminaries) in a section of the Town Basin pedestrian area are in-effective due to being surrounded by tall trees and are outdated.

CON20003 covers the renewal of the existing lighting around the Town Basin. This includes supply and installation of light columns, luminaries and foundations along Quayside, and supply of light columns and luminaries for the area surrounding the Town Basin Playground. The foundations for the playground lights are being installed with the Town Basin Playground Renewal contract.

Procurement Process

This tender was issued to three pre-selected suitably skilled tenderers on the 18 November 2020 to provide a quote for the contract.

The procurement process was compliant and undertaken with the approved Variation to Council's Procurement Policy dated 2 July 2020.

Tenders Received and Evaluated

The tender closed on Tuesday 15 December 2020 and two responses were received. Responses were evaluated using the Lowest Price Conforming Method in general accordance with Whangarei District Council's Procurement Procedures Manual. The results were as follows:

Tenderer	Price (Excl GST)
McKay Ltd	\$401,705.38
Currie Electrical	\$461,686.62

Engineer's Estimate	\$470,320.00
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McKay Ltd submitted the lowest price conforming tender. An arithmetic check was carried out on their submission, no errors were found in the Tenderer's Schedule of Prices or Form of Tender.

Financial

This project will be paid out of Town Basin Lighting Renewals PJ00471, which has a budget of \$389,954.00 this financial year 2019/20. The below table provides a breakdown of the total costs to deliver this project. There is a budget shortfall of \$72,699.88. This additional budget will be provided from LTP indicator 00010 Neighbourhood & Public Gardens Renewals, which has a budget of \$520,812.00 in year 1 of the draft 2021-31 LTP.

Items	Costs
Design Amendments	\$5,000.00
Consenting & Arborist Report	\$3,800.00
Construction Observation (Electrical & Arborist)	\$13,400.00
CCTV Cameras – takedown and remounting	\$1,381.00
Construction of pole foundations in Town Basin Playground	\$37,367.50
Town Basin Lighting Renewal - Construction (McKay Ltd)	\$401,705.38
Total:	\$462,653.88
PJ00471 Budget:	\$389,954.00
Shortfall:	-\$72,699.88

Chief Executive Approval

The contract for Town Basin Lighting Renewal (CON20003) be awarded to McKay Ltd for the tendered sum of \$401,705.38 (Four hundred and one thousand, seven hundred and five dollars, and thirty-eight cents) excluding GST.

4.0 Water Services

CON18009 Contract Variation: Whau Valley Water Treatment Plant Detailed Design

Purpose

Approval is sought to increase the original contract price to \$3,131,137.97 excluding GST.

Background

This contract is for detailed design of the new Whau Valley Water Treatment Plant. It was awarded to Beca Ltd in May 2018. The original contract amount was \$ 2,899,507.97 excluding GST.

The contract award amount was exceeded due to a change in scope as follows:

1. Water Services was successful with their application to 3 Water Funding over \$3,150,000.00 to design and construct a powdered activated carbon plant, a three bay garage, a dangerous goods store, two additional secondary filters, and investigation of feasibility of a dewatering plant. This variation relates to the professional services contract held by Beca who have indicated they have resources available to undertake the work immediately. Their scope includes the preparation of detailed design documentation, software development, construction monitoring and reporting, commissioning and preparation of as-constructed drawings.

Financial

A breakdown of the additional costs is provided in the following table:

Item	Variation	Amount (excl. GST)
1.	Detailed design, documentation, software development, construction monitoring and reporting, commissioning and preparation of as-constructed drawings of 2 additional filters, PAC plant, three bay garage and dangerous goods storage shed.	\$231,630.00

A breakdown of cost for the whole contract is provided in the following table:

Description	Amount (excl. GST)
Total original contract value	\$2,899,507.97
Total amount previously approved variations	\$0.00
Total amount of this variation	\$231,630.00
Total revised contract value	\$3,131,137.97

The variation will be paid out of PJ00647 which has a budget of \$3,150,000. The remaining budget will be used for the supply and installation.

Chief Executive Approval

It is recommended that the total contract amount of CON18009 for Whau Valley Water Treatment Plant Detailed Design is increased by \$231,630.00 from \$2,899,507.97 to \$3,131,137.97 excluding GST.

5.2 Infrastructure Operational Report

Meeting: Infrastructure Committee
Date of meeting: 11 February 2021
Reporting officer: Simon Weston (General Manager Infrastructure)

1 Purpose

To provide a brief overview of work occurring in the current financial year, across services that the Infrastructure Committee is responsible for.

2 Recommendation

That the Infrastructure Committee notes the Infrastructure Operational Report update.

3 Background

In November 2019, Council adopted committee terms of reference for the 2019 – 2022 triennium, with the purpose of the Infrastructure Committee being to ‘oversee the management of council’s infrastructural assets, utility services and public facilities’.

This report provides the Committee with a summary of Infrastructure operations during November-December 2020.

4 Significance and engagement

The decisions or matters of this Agenda do not trigger the significance criteria outlined in Council’s Significance and Engagement Policy, and the public will be informed via Agenda publication on the website.

5 Attachment

Infrastructure Operational Report – November - December 2020

Infrastructure Group

Monthly Operational Report

November - December 2020

Infrastructure Monthly Operational Report

Reporting Officer: Simon Weston (General Manager Infrastructure)

Date: February 2021

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Projects Overview

Infrastructure Planning & Capital Works

Planning & Capital Works Projects	Current Stage	Estimated Construction Start Date	Estimated Completion Date	RAG Status
Major Projects - Sense of Place				
New Town Basin Park	Construction	Oct-20	Nov-21	
Robinson Asphalts are working on wastewater, stormwater and amphitheatre area.				
Town Basin Wharf & Boardwalk Renewals	Construction	Jan-21	Oct-21	
Construction awarded with New Town Basin Park project contract. Works to start in January.				
Ball Clock (3rd party project)	Final drawings	Aug-20	May-21	
Off-site fabrication of ball clock progressing.				
Camera Obscura (3rd party project)	Complete	Oct-19	Nov-20	
Completed and opened in Nov 2020.				
Town Basin Bus Facilities Upgrade	Design	Mar-21	Dec-21	
Professional services contract underway, initial site meetings in Jan.				
Pohe Island Destination Playground & Public Toilets	Design	Oct-21	Feb-22	
EOI completed. Three contractors to be issued with the Tender Document. Closes end of January.				
Pohe Island Skate Park	Construction	Jul-20	Mar-21	
Progress against construction programme is on track.				
Tamaterau Carparks Upgrade (TIF funded)	Design & Consenting	May-21	Aug-21	
Cultural impact assessment being prepared by Hapū reps for consent, CIA expected in February 2021.				
Restoring the Mauri of Matapouri Stg 1 (TIF funded)	Investigation & Design	Oct-19	May-21	
Recycling & rubbish facilities installed. Investigating toilet options. Works on estuary dune protection early 2021.				
Abbey Caves Car Park & Public Toilets (TIF funded)	Detailed design	Apr-21	Sep-21	
Procurement of physical works contractor. Construction commencement planned for April 2021.				
Quarry Gardens Carparks	Investigation & Design	Jun-21	Feb-22	
Design due Jan. Consent reports due Jan-Feb. Stream construction from June, carpark construction from Sep.				
Major Projects - Parks & Recreation				
Matapouri Beach Restoration	Procurement	Apr-21	Oct-21	
Moving of sand planned Apr-Jul 2021. Tendering sand replenishment in Dec 2020.				
Princes Road Seawall Renewal	Physical works	Apr-21	Jul-21	
All consents granted. Contract awarded to Huband Contractors. Work scheduled for April-July 21.				
Ruakaka Sports Fields (Sand Removal)	Physical works	Sep-20	August-21	
50,000m ³ of sand has been removed. Tender for field construction will occur once dune is fully removed.				
Ngunguru Seawall Renewal	Design	TBC	TBC	
Redesign underway after parts of consent declined relating to reclamation. Preliminary design issued for review.				
Parihaka War Memorial Refurbishment	Construction	Sep-19	Feb-21	
Lighting working well, stakeholders have agreed timing changes and final configuration will now be done.				
Town Basin Playground Renewal	Construction	Jul-20	Feb-21	
Playground completed.				
Town Basin Lighting Renewals	Procurement	Jan-21	Apr-21	
Construction tender closes 15 Dec 20.				
Tikipunga – Sports Field Improvements	Construction	Nov-19	Sept-21	
Field 10 is in kikuyu turf establishment and maintenance period.				
Pyle Road West Seawall Renewal	Procurement	Feb-21	June-21	
NRC & WDC consents granted. Tender documentation being prepared.				
Waipu Youth Activity Zone - Skatepark	Design	Apr-21	Aug-21	
Design complete. Preparation for procurement in early 2021 is underway.				
Cobham Oval Carpark Upgrade	Construction	Oct-20	Jun-21	

Construction commenced October, completion due June 2021.				
Frank Holman Track Renewal	Consenting	Apr-21	Jun-21	
Consent application in progress.				
Major Projects - Water				
Whau Valley Water Treatment Plant	Construction	Mar-19	Jun-21	
Constructing above ground structures. Commissioning dependent on COVID-19 and drought conditions.				
Major Projects - Waste & Drainage				
Whangarei WWTP Discharge Consent Renewal	Options Assessment	n/a	Apr-21	
Adaptive pathway concept was introduced as part of best practical option				
Stormwater Network Consent Applications	Technical Reports	n/a	Dec-21	
Stormwater Catchment Strategic Assessment underway. Data gathering, asset updates & mapping continue.				
Major Projects – Compliance & Regulatory				
New Animal Shelter	Design	Nov-21	Dec-22	
Detailed design completed. Detailed cost Estimate being prepared. Land purchase waiting on subdivision by third party.				
Major Projects – Venues & Events				
NEC Lighting Upgrade	Design-Build	Nov-20	May-21	
Foundations nearing completion. Light towers and lights due to arrive 5 – 11 Jan.				
NEC Replacement Roof	Concept Design	Feb-22	Aug-22	
Concept of chosen design being developed. Presentation with cost estimate scheduled for 15 December.				

Three Waters Delivery Plan Projects (\$11.78m DIA Funded)

Three Waters Delivery Plan Projects	Current Stage	Estimated Construction Start Date	Estimated Completion Date	RAG Status
Whareora Rd Watermain Renewal	Construction	Nov-20	Feb-21	
Renewal of 800m PVC main. Construction following on from raw water main upgrade project.				
Rewarewa Rd Watermain Renewal	Construction	Dec-20	Apr-21	
Renewal of 800m AC main. Brought forward to align with roading project.				
Kamo Rd Watermain Renewal	Design	Apr-21	Aug-21	
Renewal of 900m AC main. Required due to pipe failures around Kamo High School.				
Kioreroa Rd Watermain Renewal - Design	Design	n/a	Sep-21	
Renewal of 2200m AC main. Brought forward to align with CIP/PGF funded roading upgrade project.				
Whau Valley Water Treatment Plant - Stage 2	Construction	Jan-21	Jul-21	
Addition of 2 nd stage filters, PAC dosing, dangerous goods and storage areas.				
Poroti Water Treatment Plant - Design	Design	n/a	Feb-22	
Design only, brought forward due to 2019-20 drought and 2020 floods to provide supply resilience.				
Water Filling Points x 6	Design	Apr-21	Sep-21	
Additional water carrier filling points around the District to reduce transport costs, and support the rest of Northland.				
Leak Detection – Water Supply Network	Investigation	n/a	Mar-22	
Programme of work to identify leaks in the network that need to be fixed to reduce water loss.				
Network Modelling – Water & Wastewater	Design	n/a	Mar-22	
Updates to water models, and the Whangarei and Bream Bay wastewater models.				
Asset Condition Assessments – WW and SW	Investigation	n/a	Mar-22	
A programme of CCTV pipe inspections to obtain asset condition information to inform renewal priorities.				
Asset Data Improvements – 3 Waters	Investigation	n/a	Mar-22	
A programme of asset data (eg survey) capture and updating of asset records across 3 waters.				
Enhanced Water Testing at Laboratory	Design	Apr-21	Sep-21	
Increase quality and capacity for testing of water supplies, stormwater and wastewater discharges.				
Hikurangi WWTP – Inlet Screen & Plant Upgrades	Design	Mar-21	Mar-22	

Upgrades to address membrane failure, improve plant efficiency, and improve discharge quality.				
Ngunguru WWTP – Inlet Screen	Design	Feb-21	Jul-21	
Improve plant efficiency and discharge quality.				
Oakura WWTP – UV Upgrade	Design	Apr-21	Jul-21	
Improve discharge quality.				
Ruakaka WWTP – Wetland Upgrade	Initiation	Jul-21	Sep-21	
Improve discharge quality.				
Whangarei WWTP Building Seismic Upgrade- Design	Investigation	n/a	Mar-22	
Investigate current seismic performance and design of upgrades necessary to meet seismic standards.				
Kauika Rd Wastewater Upgrade - Design	Initiation	n/a	Mar-22	
Investigation and design of wastewater network upgrades to address surcharge and overflow issues.				
Heretaunga St Wastewater Upgrade - Design	Initiation	n/a	Mar-22	
Investigation and design of wastewater network upgrades to address surcharge and overflow issues.				
Te Ao Maori Decision Making Model (CCAP)	Initiation	n/a	Mar-22	
Development of a model to inform decision making on climate change and 3 waters management.				
Matauranga Maori Report & GIS Capture	Initiation	n/a	Mar-22	
Information capture and reporting to inform multiple council processes, strategies and plans.				
Three Waters Reform Options for Northland	Investigation	n/a	Jun-21	
Investigation and reporting on preferred three waters reform options for Northland.				
Three Waters Request for Information	Reviewing	n/a	Feb-21	
RFI is completed.				

Waste and Drainage

Waste and Drainage Projects	Current Stage	Estimated Construction Start Date	Estimated Completion Date	RAG Status
CON20055 - Whangarei Sewer Renewal 2019-2021	Tender	Feb-21	Jun-21	
Tender closed on 11 December 2020				
Tikipunga - Heretaunga St Sewer Upgrade Stage 1	Construction	Feb-21	Jun-21	
Work awarded and construction to commence.				
Marsden Bay-Ruakaka WWTP Rising Main Upgrade	Design	July-21	Dec-21	
Construction postponed allowing sand mining to finish.				
Cove Rd-Waipu WWTP Rising Main Replacement	Tender	Apr-21	Aug-21	
Tender closed on 11 December 2020				
Smeaton Dr/SH1 Sewer Renewal	Construction	Jul-20	Dec-20	
Construction is complete.				

Water Services

Water Services Projects	Current Stage	Estimated Construction Start Date	Estimated Completion Date	RAG Status
Water Treatment Plant Upgrades	Construction	Sep-20	Jun-21	
Various works, programme being developed.				
Meter Replacement Contract 2019/20	Design	Jan-21	Jun-21	
Focus on large and bulk meters, programme being developed.				
Reticulation Programmed Works 2018/19	Construction	Jul-20	Dec-20	
Hospital Road complete.				
Minor Projects - Emergency Works	Design	Feb-21	Jun-21	
Programme being developed.				
SCADA Upgrade	Construction	May-19	Dec-21	
Ahuroa and Poroti complete – Ruddells next.				

Roading

Roading Projects	Current Stage	Estimated Construction Start Date	Estimated Completion Date	RAG Status
LED Street Lighting – Supply & Install (V Category)	Construction	Jul-19	Jun-22	
Retrofit almost complete. Southern infill contract city work nearly completed. Northern infill contract now underway.				
KSP Stage 5 (Final link to Kamo Village)	Detailed Design	Feb-21	Jun-22	
PR020003 Funding for detailed design complete. Business case accepted and detailed design well underway.				
Inner CBD Transport Model	Optioneering	n/a	Jun-20	
Final modelling report has been completed.				
Dent Street Pedestrian Crossing Upgrade	Design	Mar-21	May-21	
Design nearly completed. Works to coincide with the New Town Basin Park so both are completed at a similar time.				

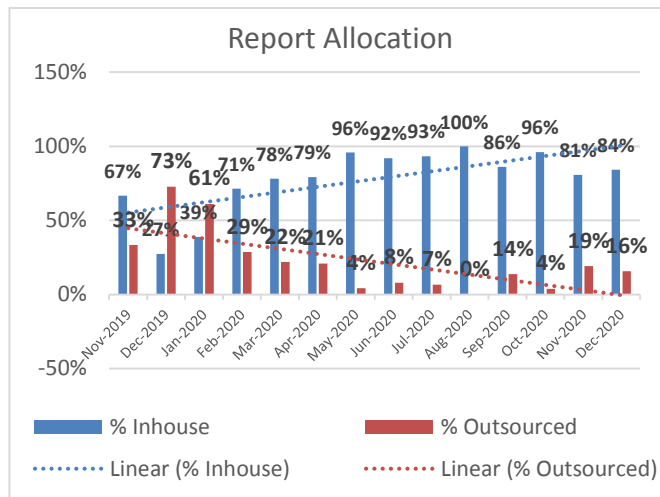
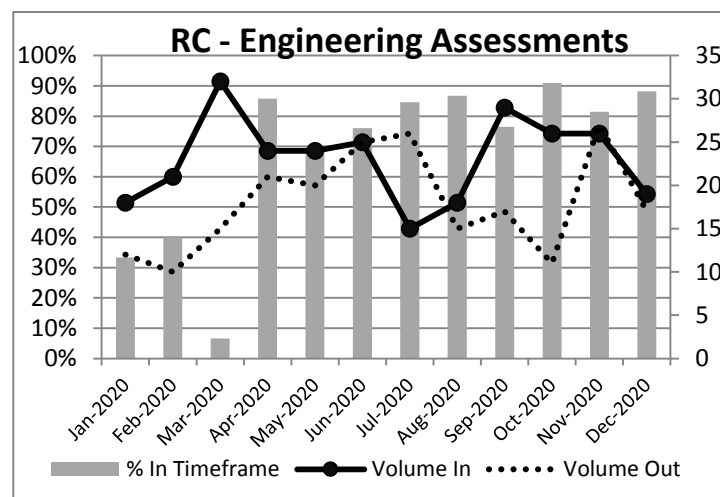
Infrastructure Planning & Capital Works

Infrastructure Planning

Work is continuing to support the District Plan team on the infrastructure capacity in areas of the district where the proposed zoning is appealed and progressing to mediation or Environment Court.

Infrastructure Development

Development Engineering



New Applications

Development	Location	Size (Lots)
Ministry of Education-Maunu Primary - 2 additional classrooms	State Highway 14	1
Ruakaka Developments Limited - establish and operate a Travellers Centre	SH1/15	1
KFC - establish a drive-through restaurant	Tauroa Street	1
Several 2 – 8 Lot developments and Land use applications for new single buildings	Various	

Engineering Plans

Development	Location	Size (Lots)
Totara Parklands – Stage 8	Tikipunga	52
Barrett Homes - Stage 3	Tikipunga	38
WFH The Landing Stage 4	One Tree Point	56

Developments under construction

Development	Location	Size (Lots)
Puriri Park	Puriri Park Road	37
Breambay Village	One Tree Point	75
Nova Scotia	Waipu	18
Marsden Cove Ltd	Stace Hopper Drive, One tree Point	70
Slatter	Te Hape, Maunu	12
Barrett Homes	Corks Road, Tikipunga	36
TMB Developments	Three Mile Bush Road	28
Rock Solid	Kamo	91

The number of applications received in November and December for Engineering assessment were 26 and 19 respectively. A total of 44 reports were issued and 14 placed on hold for further information.

The 8-day level of service for engineering report delivery was 81% in November and 88% in December. The team has been working hard to improve the delivery times. Reliance on external consultants is still ongoing when staff take leave, or we have more applications come in than we can resource. 84% of applications were processed by Council staff in December. The Development Engineers are undertaking an increased number of inspections, we expect the number of inspections to continue over the summer construction period. The Development Engineers are also attending hearings for notified applications.

The quality of Engineering reports has improved as our new Engineers gain more experience and confidence. We have been receiving a positive response from the planning team on our delivery timeframes.

We receive input from Geotechnical and Stormwater experts as part of the Engineering plan review process due to some sites being subject to high instability risk and flooding hazard areas. Internal staff don't have the expertise to assess these more complex sites.

The Development Engineers continue to support other departments where there has been a shortfall in staff resourcing particularly the Waste and Drainage and Roading departments.

Development Contributions

November saw contributions of \$1,017,997 with an additional \$423,223 received in December. This was an end of year push in order to present sections for the summer marketing season. Revenue exceeds the budget which was reduced due to the uncertainties of a Covid economy.

38 applications were assessed as requiring contributions in November and 23 in December, these included staged consents.

The Draft Development Contribution Policy was adopted for consultation in December this included the proposed development contributions charges. Consultation will be alongside the Long Term Plan and following the submission and consideration processes a new Policy is expected to be adopted for 1 July 2021

Infrastructure Support

Contract claims processed for the month of November and December were 49 and 58 respectively. 318 purchase orders were processed by the team for November and 333 in December. This is relatively constant each month. Business as usual in other areas with 27 Public Utilities processed in November and an increase in December with 59 processed.

Capitalisation of Assets

Current year spend of \$14,534,510.86 which includes \$5,768,881.44 of work carried out for the new Water Treatment Plant. LTP figures are still being finalized and the graph will be updated to show 2020-2021 LTP balances.

Below is the December graph showing a total WIP balance of \$45,113,280.04 across Water, Waste and Parks, which includes \$25,534,049.92 spend to date on the new Whau Valley Treatment Plant. Part of the remaining balance (\$3,113,814.95) is prior year projects waiting to be capitalised.

SIGMA Project – Asset Management System upgrade

Second run through of data migration has been completed with some issues that we are working through and the environment will then be refreshed before we go into the first round of testing mid Feb 2021. GIS layers are being built and this requires multiple changes to some asset data. We are working closely with the GIS team to ensure we capture all changes required.

LTP Infrastructure workstream

The Infrastructure Strategy was taken to council on the 17th December. Minor edits and rework are being done in preparation for Audit being on site on the 18th January. All Activity Management Plans are being finalised ready for Audit.

Health and Safety

Health and Safety Risk Update November - December 2020

Staff Injuries and Incidents

A laboratory technician sustained an eye injury requiring medical treatment, when sampling wastewater, after the wind created an aerosol effect and sprayed onto face and eyes.

A Parks officers slipped down a steep bank and sustained a cracked rib, just before Xmas.

Emergency Drills

A chlorine leak drill was held at the Ruakaka Water treatment plant, and a number of corrective actions found to be required. While we had undertaken several table top exercises, this involved actual staff and contractors, so some great learnings taken from this exercise.

Contractors

A number of vehicle incidents were reported during these months, fortunately none involving injuries. Four involved poor driving behaviour by members of the public and Six involved driving incidents when our contractors were in charge of the vehicle.

There were three reported incidents reported involving hoses; one blowing back, and two involving unexpected discharge, one of which hit the operator.

A number of aggressive person incidents were also reported, many of which were reported through to the Police.

There were three incidents involving stones hitting vehicles.

One contractor worker suffered a spider bite after it crawled into his clothing.

There was one lost time injury and one medical treatment involving cuts to Northland Waste runner.

There was a medical treatment injury involving a Northland Waste runner who knocked his elbow and another when he stepped off a truck onto uneven surface, straining his leg.



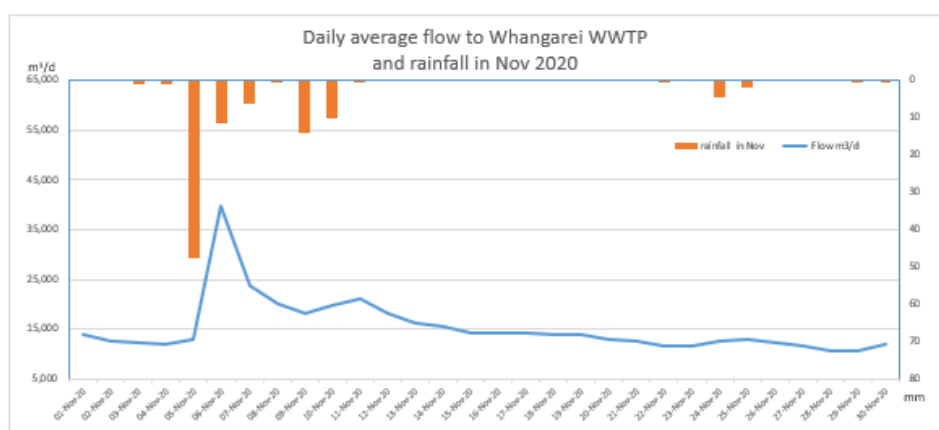
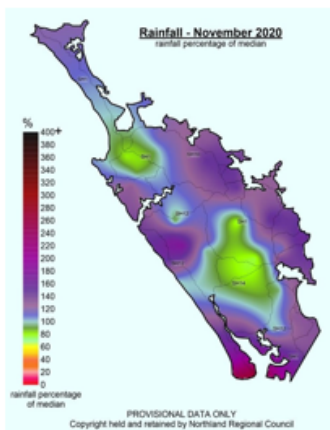
Waste and Drainage

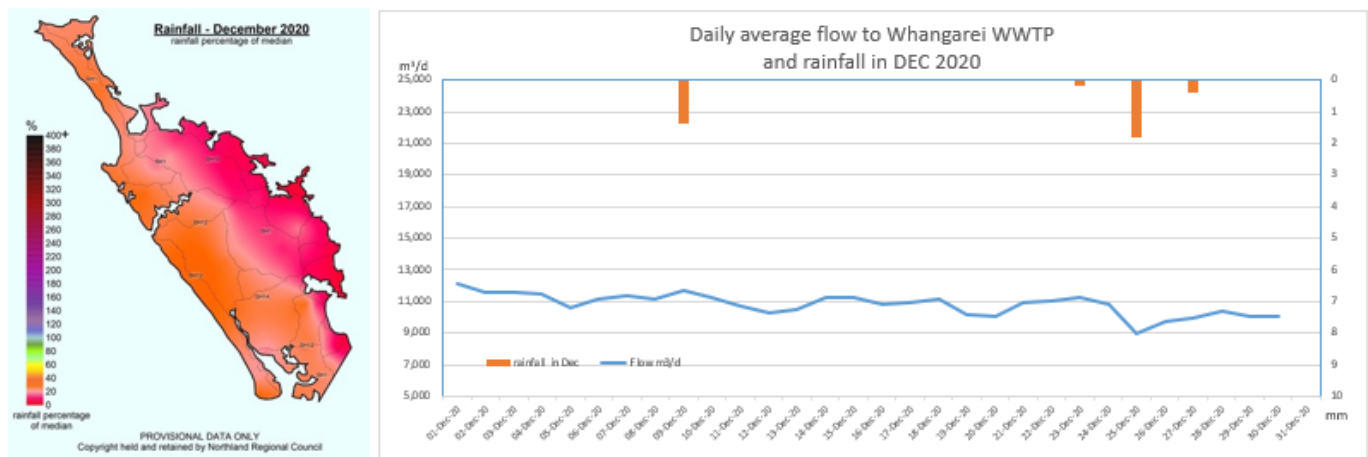
Operations and Maintenance

Whangarei WWTP

Whangarei wastewater treatment plant received a steady flow in the first week of November. Multiple rain events from 5th to 7th boosted the flow to its peak for the last two months in 2020 which was nearly 40,000 m³. From there on, the inflow dropped sharply and climbed back its second peak on 11th at over 21,000m³. A steady declining trend was observed until end of December.

The flow pattern was very similar for December compared to the same period last year.





NRC image depicting the percentage of normal rainfall and & graph depict illustrating the daily average flow in m³/d through Whangarei WWTP in November & December 2020

Activities carried out at the main plant during November and December included:

- Trickling filter No 4 was taken off line for 2 weeks for servicing the following items: rotation arms, bearing and its discharges port was cleaned. A mobile crane was deployed to assembly the unit for a day.
- Wetland was harvested in the last week of November, the total yield capacity about 9 tonnes. This indicates that the wetland is working well and improves nutrient removal
- All three primary clarifiers were serviced. Grit was removed from the center of the clarifier and pumped up. Lift tubes were straightened up.
- The spare blower was replaced for primary clarifier No 3. The old unit was sent back to the manufacturer for mechanical assessment.
- There was a comms issue with low flow UV again requiring restart of main PLC. Flow was diverted through high flow UV after 2 weeks, communication issue was resolved by operation team and our electrical contractor. NRC was updated.
- Wash compactor no 1 at inlet work had overload issues, brushes were replaced.
- Power outage affected Activated Sludge (AS) pumps, the team was able to reset after an hour.

Whangarei WWTP Resource Consent Renewal project

Adaptive pathway concept has been introduced to operations and planning team. This is a planning concept with the use of adaptive paths of planning for a range of future uncertainties and developing flexible long-term strategies that allow for adaptive responses to different plausible futures or outcomes.

It relies on establishing trigger points (e.g. capacity limits or review conditions) to respond to drivers (e.g. consent compliance or capacity increase for growth) and desired outcomes (e.g. higher percentage of effluent reuse), to transit from a path to another option.

To support a 35-year consent, the plant shall be upgraded at various trigger points such as:

- **Future population growth**, it is estimated that the future population of Whangarei shall increase by 46% which means that the daily average flow shall be around 27,000 m³/d. As such the plant treatment capacity shall need upgrading to cope.

Parameters	2020/Current	2051	2056
Serviced population	65,000	91,000	95,000
Average daily flow (m³/d)	18,500	25,900	27,000
Maximum daily flow (m³/d)	99,700	139,500	145,700
% Average Daily Wastewater Flow Increase	N.A	40%	46%

- **New treated effluent requirements: (proposed Northland Regional Plan - PNRP)** and National Environmental Standards (NES) which will translate into significant upgrade works to enhance the plant effluent quality meeting new standard. Timeframe is not available yet.

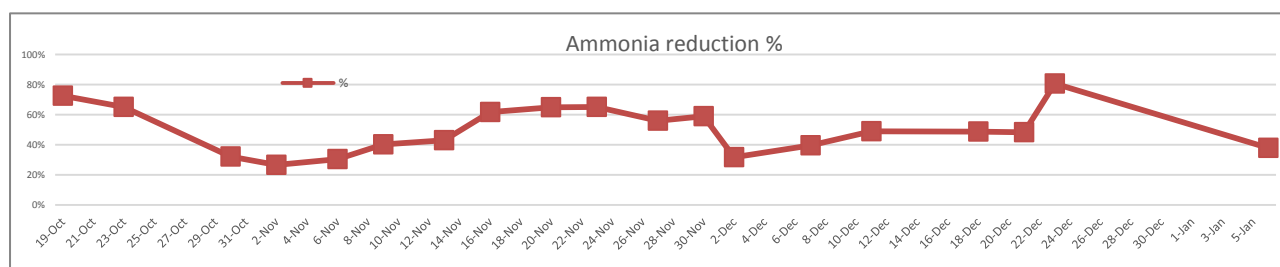
Parameters Unit mg/L	Current discharge standard (median)	PNRP (median)	NES (median)
CBOD ₅	15	15	10
TSS	15	15	10
NH ₄	5	3	2
TIN (Total inorganic nitrogen)	No limit	<20	12
TP	No limit	<2.0	2.0
E coli (cfu/100mL)	Min UV Dose of 30mWs/cm ²	<100	10
Enterococci		50	35

- Land fill restrictions, this refers to potential increase of landfill levy or higher biosolids quality requirements by the landfill. Hence it would result in upgrade the sludge digester to handle the additional sludge treatment volume. At the moment, only primary sludge is treated by the digesters at Whangarei WWTP.
- Water reuse opportunities such as land-based irrigation, park/reserve irrigation, industrial use, or domestic non-portable reuse (toilet flushing and gardens)

Rural WWTP Major Operation & Maintenance

Ngunguru

- Ngunguru effluent valves and spools replaced with stainless steel.
- Existing radio was replaced with a new type; it worked well.
- MABR (Membrane Aerated Biofilm Reactor) demo system is at the optimization stage.
- The system showed a good reduction of ammonia. See the below graph



- VPN (Virtual Private network) was set up by IT team, so the configuration of the demo can be set up from Australia.
- UV system was serviced;

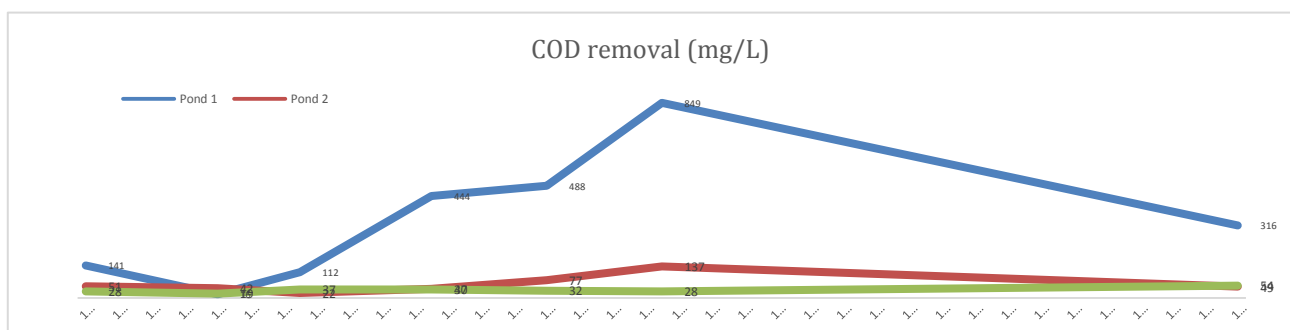
Oakura

- Primary tank was desludged.
- Summer tank was set online to deal with peak loading. Blower time raised to 90 minutes to support treatment.
- New UV system has been commissioned just before Christmas holiday, see image below.
- The newly installed unit will provide 3 times dosage capacity compared the existing one and shall be able to deal with summer peak.

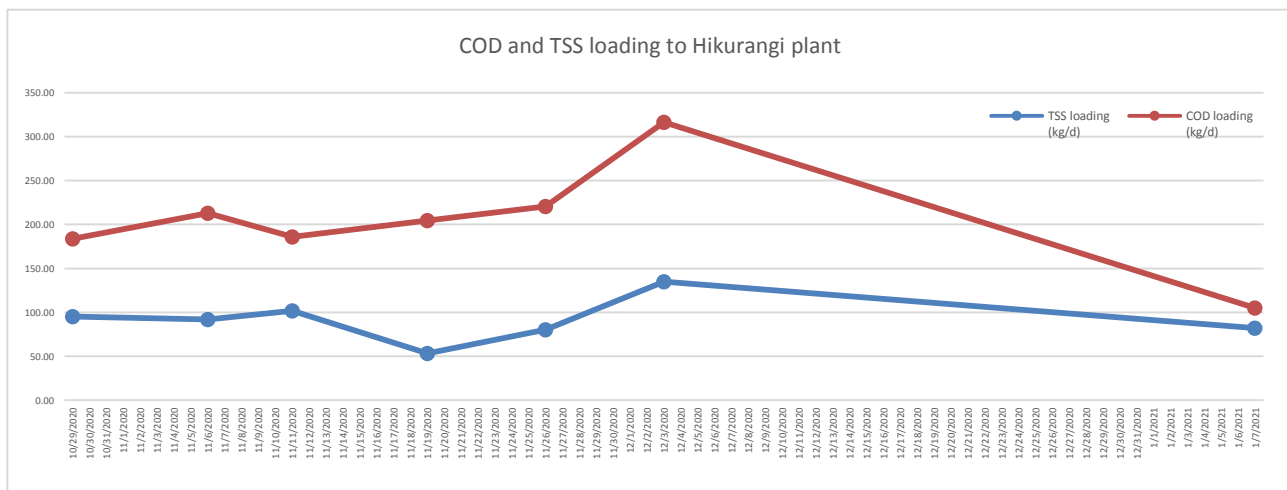


Hikurangi

- After 8 weeks monitoring at major process locations, operation team was able to identify areas which had poor removal efficiency of both COD (chemical oxygen demand) and TSS (total suspended solid).
- The below graph shows the removal of COD in mg/L at 3 different locations of the plant. It can be seen that Pond 2 (Aeration pond) and wetland had very little removal capacity.



- The operations team shall do more laboratory test and online instrument monitoring to evaluate the treatment capacity
- NRC has been updated regarding the monitoring processes as well as substantial increase of COD and TSS loading to the plant.



Ruakaka

- Contractor is working on the wetland upgrade as per 3 Waters Funding Project.
- Site visit was conducted with operation team.

Waipu

- Security fencing work completed.
- The constructed wetland was harvested, the yield indicating that wetland performed well to support nutrient removal
- Rapid Filtration Basins were serviced. Fouled layers were removed - sand to be topped up.

Portland

- Security fencing work to be resumed. 80% work completed. 20% remaining due to internal road of the plant to be extended.
- Estimated completion date shall be in Feb 2021

Reticulation

There were two recorded spill incidents in November & December period

Date Spill Started	Date Spill Detected	Date Spill Ceased	Location	Cause	Volume (m³)	Type of Sewage	Action Taken
Unknown	4/11/2020	4/11/2020	5 The Braigh Waipu	Fatty solids blockage in downstream manhole outlet.	<3m3	Raw/unscreened	NRC and DHB notified. Blockage cleared.
19/11/2020	19/11/2020	19/11/2020	Morningside School Morningside Road	Rising Main gibault joiner damaged with fence post drill.	<500L	Raw/unscreened	NRC and DHB notified, joiner replaced, area vacuumed and disinfected.

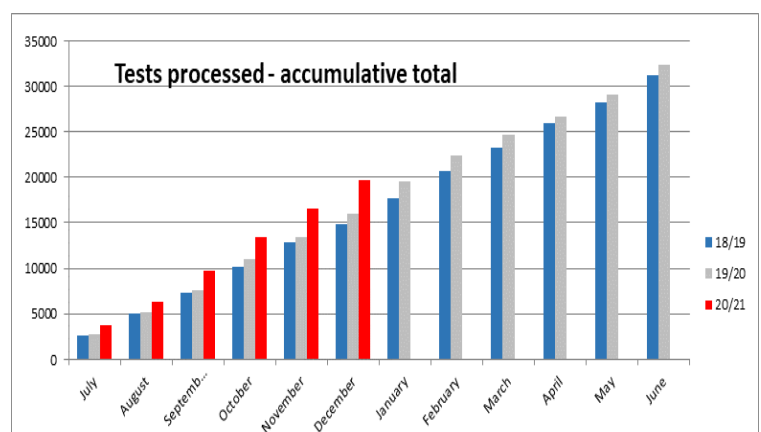
Stormwater complaints identified

No	Location	Description of problem
1	Wrack street	Water team removed the water main, operation team will carry out further investigation
2	23 Stuart Rd, Reotahi	Council infrastructure inadequacies damaging my property
3	Dune Lake, Ruakaka	Operation team met the local resident. NRC was updated about the development. It was suggested that local ratepayers draft a proposed action plan and obtain approval from WDC, NRC, IWI and DOC Meeting to follow.

Laboratory Report

For November 2020 738 samples were analysed for 3119 tests. 24% of the tests were subcontracted and 52% of results were reported within 5 working days. For December 743 samples were analysed for 3180 tests, with 43% of samples being reported within 5 working days. This trend continues a 18% increase on testing performed when compared with the same periods for last year.

Graph shows the test numbers for year ending 30 June.



Roading - Transportation

Maintenance Contracts

Programmed works completed during **November** were as follows:

- Minor work on Mill Road rehabilitation section 1 completed, with the exception of traffic islands.
- Westwood Lane pavement construction has been going smoothly, although the site length restricted production, no major issues encountered. The pavement has been uplifted, stabilised and is ready for sealing.
- Limeburners rehab was completed successfully on time. No major issues encountered during the construction phase. Final walkover planned.
- Waiotira Road rehab design at 90% completed and enabling work to start in December 2020.
- Rehab works have been continued on McCardle Rd and Dixon Rd.
- In the North Area we have completed the 20/21 pre-seal repair stabilisation programme and reseal program.
- Pre-seal repair program has begun for 21/22 reseals, along with pavement repair on roads outside of reseal lengths in the Pipiwai/Hukerenui areas.
- A total of 2383 m2 of stabilising repairs have been carried out and 1430 m2 of dig out repairs have been completed over various sites which include; Cockburn Street, Cross Street, First Ave, Second Ave, Third Ave, Gorrie Road, McLean St, Memorial Drive, Snooks Road, Tavinor Road, Otuhi Rd and Maungakarama Road.
- South of Whangarei, the annual road-marking repaint has been completed.
- Morningside, Otangarei, Onerahi are also completed.
- Water-tabling was carried out on Awaroa River Rd, West Ridge Rd, Dip Rd, Pipiwai Rd, Millers Lane, Cockburn St, McGill Rd, Graham Rd, Newton Rd, Tavinor Rd, Elmsley Rd, Maungakarama Rd, Snooks Rd.
- Culvert clearing on Awaroa River Rd, West Ridge Rd, Dip Rd, Portland Rd, Newton Rd, Brook Rd.
- Memorial Dr retaining wall constructed.
- One Tree Pt Rd – Installing new footpaths and vehicle crossings.
- Temporary pavement repairs on Waiotira Rd, Anzac Rd, Beazley Cres, Mackesey Rd.
- Fairburn St – asphaltic concrete overlay on footpath.
- Lifting and re-setting pavers on Vine St footpath.
- Springfield Rd – removed fallen trees from property owners land.
- Walkway inspections and vegetation clearing on Rata Pl, Cambridge St, Hihiaua Loop, Matai St, Heron Pl, Highfield St, Barge Lane, Port Rd Horse Shoe, William Jones Dr, Pohe Island Horse Shoe, Cheviot St, Winston St.
- Dangerous tree removal completed in the Whananaki Area and site rail replacements completed in the Whangarei Heads Area as part of the MBIE deployment.

Storm Damage

- Our crews are also still working through all the storm damage from July, they are steadily making progress at completing the work.
- We have had two digger crews that have been clearing slips and damage caused by the July storms in the following areas: Whangarei Heads Road, Kaiatea Road, Mine Road – Puhipuhi.
- Clean fill site maintenance carried out.

Routine Works completed this month were as follows:

- The unsealed roads have dried up a lot during November, so we have had to start holding off on grading until we get some rain. As a result, we have been doing an increased unsealed pothole patching.
- We have been carrying out culvert hand clearing in the Mangakahia and Pipiwai areas.

Programmed works completed during **December** were as follows:

- Dangerous tree removal was completed in the Hukerenui area.
- Dust suppression jobs and grade, wet and rolls on lime rock sections have also been completed in December.

- We have had two digger crews building rock walls and repairing damage caused by the July storms in the following areas: Simons Road, Kaiatea Road, Puhipuhi, Kiripaka.
- Street sweeping was carried out in the following areas: Waipu, Ruakaka, Maunu, Central, Kamo, Regent, Portland, Morningside, Smeatons, Woodhill, One Tree Point, Mairtown, Whau Valley, Otaika, Raumanga, Kensington, and the Port area.
- Mill Road section 2 communication done via letter drop, door knocking and WDC broadcasted a bulletin on the works coming up the new year via newspaper and Facebook.
- Westwood Lane rehabilitation complete and final walkover planned.
- Limeburners rehabilitation complete and final walkover planned.
- Waiotira Road drainage works complete, pavement construction and tree removal planned in January 2021.
- A total of 1408.67m² of stabilising repairs have been carried out and 696 m² of dig-out repairs have been completed over various sites including Panorama Drive, Puriri Street, McInnes Ave, Taipuha Road, Salmon Road, Heatherlea Drive and Shoemaker Road.
- A total 2,848.94 m² of dig-outs for 19/20 pre-seal repair programme have been completed.
- Chipseal sites sealed this month were Ashley Ave, Dallas Pl and Kotare Cres.
- Water tabling and culvert cleaning carried out on Tavinor Rd, Elmsley Rd, Maungakarama Rd, Snooks Rd. West Ridge Rd.
- Cutting off of high shoulders carried out on Tiria Lane, Uretiti Rd, McEwan Rd, and other sites around the network.
- Asphaltic concrete overlays done on Kioreroa Rd, Mackesey Rd, Miller Lane, Memorial Dr, Tavinor Rd, Porowini Ave, Dundas Rd, Cockburn St, Mason St, Te Hape Rd.
- Edge Breaks – Beach Rd, Millers Lane, Ngunuru Rd, Parekiore Rd, Sharewood Rd, Cockburn Rd, Pukenui Rd, Newton Rd, Memorial Dr, Drive, Tavinor Rd, Taipuha Rd, Waiotira Rd, Doctors Hill Rd, Haymon Rd, Settlers View Rd.
- One Tree Pt Road – Installing new footpaths and vehicle crossings.
- Cameron St – Lifting and re setting footpath pavers.
- Asphaltic Concrete footpath work – Vine Street Car Park, Riverside Drive.

Routine Works completed this month were as follows:

- It was a busy start to the month in December and our crews have been working through our routine work of CRM's and sealed potholes, trip hazards, grates, unsealed potholes, road sweeping, etc.
- The number of unsealed potholes has reduced due to lack of rain, however since it has dried up so much, the corrugations are getting worse. Our plan is to wait for a heavy rainfall then go out and grade the worse roads based on priority.
- Maintenance grading was however carried out on Mair Road, Prescott Road, Pyle Road East, Sandford Road, Snooks Road, Waikiekie North Road, Massey Road, Johnson Point Road, Monk Road, Tip Road McLean Road.
- Culvert inspections have been completed in the Pipiwai are and we are now working our way through Russel Rd area.

Projects started in November

Category	Sub activity	Location
214 - Sealed Road pavement rehabilitation	Rehabs	Limeburners road (using Jeff's carryover)
214 - Sealed Road pavement rehabilitation	Rehabs	Mccardle Road
214 - Sealed Road pavement rehabilitation	Rehabs	Waiotira Road
Bus Shelter Renewal	General Maintenance	Various
Redeployment Package	New Footpath	Ngunguru Road from Whangarei Falls to (or close to) Ngunguru road path
215 - Structures Component Replacement	Bridge	Heavy Maintenance WDC bridges (Full Network)
215 - Structures Component Replacement	Bridge	Scour Protection Works (Full Network)

Projects to start in December 2020/January 2021

Category	Sub activity	Location
214 - Sealed Road pavement rehabilitation	Rehabs	Kokopu Block Road
341 - Low Cost Low Risk	Bridge	Mangapai Road - Moewhare Turnoff 133a
215 - Structures Component Replacement	Bridge	McAllister Road - McAllister O'Head Railway 117A-b
341 - Low Cost Low Risk	Pedestrian Improvements	Cross Street
341 - Low Cost Low Risk	New Footpath	Pipiwai Road
Seal Extension - Unsubsidised	Seal Extension	Tahunatapu Road
341 - Low Cost Low Risk	Bridge	Cemetery Road Culvert 871c
215 - Structures Component Replacement	Bridge	Marsden Point Road - Sergeants 102b
215 - Structures Component Replacement	Bridge	Reyburn Street - Reyburn Street B6
341 - Low Cost Low Risk	Bridge	Whangarei Heads Road

WDC Significant Projects					
Category	Sub-activity	Location	% Complete	Monthly Update	Next month planned activities
324 - Road Improvements	Intersection	Springs Flat Intersection (Using Jeffs carry over amount)	#DIV/0!	n/a	n/a
New Footpaths - Unsubsidised	New Footpath	Whangarei City Wide (Sense of Place) c/o from 19/20	0%	On hold until footpath template for City Core confirmed	n/a
341 - Low Cost Low Risk	Safety	Ngunguru Road - Murphys Cnr	13%	Treatment options identified which align with the Problem Statement completed in October.	Progress detailed design to implement signing and road marking improvements by June 2021. Continue to refine options of larger scale treatments for implementation next LTP period.
341 - Low Cost Low Risk	New Footpath	One Tree Point Rd	60%	Physical works underway	Continue physical works
Redeployment Package	New Footpath	One Tree Point Rd	100%	Physical works completed	Project Closed
341 - Low Cost Low Risk	Intersection	Robert/ Walton Intersection	22%	Progress detailed design	Progress detailed design
341 - Low Cost Low Risk	Safety	Cove Road	0%	Finalising design and testing with WSP	Complete design and approach contractor to start pricing construction.
341 - Low Cost Low Risk	Pedestrian Improvements	Dent Street Pedestrian Crossing Upgrade	3%	Concept Design and first safety audit completed	Detailed design continues including changes proposed from Safety audit
341 - Low Cost Low Risk	Traffic Calming	Hikurangi Township (King Street/George Street/Valley Road)	100%	Complete construction of signage, markings, pedestrian link/paths, box culvert installation and reinstatements. Receive Safety Audit.	Address issues outlined in Post Construction Safety Audit to complete construction stage.
125 - Footpath Maintenance	Footpath Renewal	Rose Street	0%	Planning, concept design and consultation	Planning, concept design and consultation
341 - Low Cost Low Risk	New Footpath	Rose Street and Lwr Bank Street Ped Crossing	7%		
Bus Shelter Renewal	Public transport	Rose Street Bus Terminal	0%		
Redeployment Package	New Footpath	Gillingham Rd	100%	All key work items completed	Complete minor works, as-built DWGs and final quantities; prepare for the Engineer's Practical Completion Certification (PCC)
Redeployment Package	New Footpath	Ngunguru Rd from Whg Falls to (or close to) Ngunguru Rd path	13%	Started construction	Continue construction
Redeployment Package	New Footpath	Tauraroa Rd, Maungakamea	100%	All key work items completed	Complete minor works, as-built DWGs and final quantities; prepare for the Engineer's Practical Completion Certification (PCC)
341 - Low Cost Low Risk	Speed	Various sites - Speed limit infrastructure	0%	1st engagement meeting with the respective maintenance contractors - Fulton Holgan and Ventia NZ; Detailed Design started	Complete Detailed Design; ask maintenance contractors to price and programme
452 - Cycling Facilities	Cycleways	Kamo cycleway Stage 5 (Fisher Tce to Station Rd)	18%	Design progressing and scope/ budget increased.	Continue progressing design
324 - Road Improvements	Intersection	Maunu/ Porowini Intersection	53%	Construction complete and Practical Completion Certificate issued. Final paperwork to come (asbuilts etc.)	12 month Defects Period. Receive close-out documents and final claim from contractor.
214 - Sealed Road pavement rehabilitation	Rehabs	MAUNU RD	16%	Tender received	Award contract, contractor begin design options
214 - Sealed Road pavement rehabilitation	Rehabs	MILL ROAD	69%	Section 1 Complete and planning for stage 2	Planning for Section 2
214 - Sealed Road pavement rehabilitation	Rehabs	REWA REWA RD	7%	Tender received	Award contract, contractor begin design options
341 - Low Cost Low Risk	Bridge	Whangarei Heads Road	0%	Ongoing tendering evaluation.	Award contract/finalising deliverables

High Risk Rural Roads:

- The NTA has developed 14 Standard Safety Intervention applications for key High Risk Rural Roads and intersections across Northland. SSI application are simplified Single Stage Business Case (SSBC), tailored for Road Safety interventions. Focus routes for Whangarei are;
 - Cove Rd – Culvert extension (roadside barrier removal), Waipu Cove (planned early 2021).
 - Vinegar Hill Rd – completed.
 - Whangarei Heads Rd; Roadside Barrier Protection, structured markings, delineation devices & curve advisory signage.
 - Ngunguru Rd; Roadside Barrier Protection, structured markings, delineation devices & curve advisory signage.

Speed Management:

- Tranche 1 – Council has adopted the recommendations report for Tranche 1, implementation planned 2021;
 - I. Te Toiroa Rd (Legal Unformed Road) Ngunguru, which forms part of the Old Ngunguru Coach Trail.
 - II. Vinegar Hill area
 - III. One Tree Point / Marsden / Ruakaka area
 - IV. Waipu Village
- Tranche 2
 - I. 2A – Bream Bay (Cove Rd) – concurrent with Kaipara's Mangawhai area. Consultation completed November/December 2020, Hearing and Decisions planned for early-mid 2021, and implementation mid-late 2021.
 - II. 2B – Whangarei Heads. Planning started for consultation for early-mid 2021, implementation (2021-22).
- Tranche 3 (2021-22) – Tutukaka Coast (Ngunguru Rd & Russell Rd) and Bay of Islands (Opua / Russell). These two areas will be reviewed concurrently with Far North's Russell catchment area to ensure a seamless and coherent approach to both consultation and delivery of speed management.

Walking and Cycling (Urban):

- Kamo Shared Path
 - I. Funding for Stage 5 has been approved and the detailed design is underway. Stage 5 includes the final link to Kamo Village. Construction planned for next LTP (2021-24).
- City Centre including Onerahi link and improvements to Hatea Loop – Is now part of the City Core workstream.
- 10yr Implementation Plan – to bring together the City Core Plan works, our Walking & Cycling Strategy and Blue Green Network Strategies. We have engaged Viadrada to develop a 10-year plan, which will complement these high-level strategies, with more detail and prioritisation of sections. Draft report due early 2021.
- Tikipunga Cycle Trail Stage 1 – Council received \$400k from government (Redeployment Fund) as part of the post-COVID stimulus package. This funding is being used to development a gravel trail between Vinegar Hill Rd and Ngunguru Rd, effectively extending the Hatea River Walkway to connect with Totara Parklands river path. Stage 1.
- Council received \$6m from the Crown Infrastructure Projects (CIP) – contract (MBIE) to be signed. Works;
 - I. \$0.5m Kamo Shared Path – Link to Kensington Park Stadium. Design & Implement 2020-21.
 - II. \$0.5m Tikipunga Cycle Trail (Stage 2) – continue path from Ngunguru Rd (Whangarei Falls) to Vinegar Hill Rd, connecting with Totara Parklands River Trail. Includes a 12m bridge. Implement 2020-21.
 - III. \$5m Raumanga Shared Path – design (2020-21) and implement over the next 2 years.

Waipu Walk & Cycle Trust

- Stage 2a Cullen Rd to Waipu Cove – Physical works is complete, except for the culvert extension works (Council project) planned for 2021-22 and final trail surface – See High Risk Rural Roads.
- Stage 2b McLean Rd to Cullen Rd – works is well underway.
- Stage 3 Riverview Place to Cullen Rd – planned for future years as a joint Trust and Council project, due scale and complexity.

- Future: Waipu to One Tree Point – NZTA (Waka Kotahi) have 100% funded \$195k towards detailed design of this route to complement the Ruakaka to Whangarei City trail being designed as part of the Whangarei to Ruakaka SH1 Corridor improvements project (NZUP). NTA is managing this design.

NZTA Northland Integrated Cycle Network (tourism)

Updates on Region;

- CIP is funding Kaipara's flag ship project; Kaihu Valley Rail Trail
- CIP is funding a cycle trail in Far North's Te Hiku area (Ahipara to 90-mile beach via Kaitaia and Awanui).
- CIP is funding two bridges and shared path in Kaiwaka, which will enable a Heartland Ride (on-road) from Dargaville to Mangawhai and solve significant social severances caused by SH1 and two rivers.
- Waka Kotahi are funding Opuā to Opononi Shared Path.
- Waka Kotahi are incorporating a cycle trail from Whangarei City to Ruakaka in the NZUP improvements of SH1 between Whangarei and Ruakaka.

Whangarei Heads Trail

- Whangarei Heads Rate Payers Association, with a grant from Council are developing a proposal to build a trail connecting McLeod Bay and Parau Bay Village. Scheme design is complete, consultation/engagement has started. The Ratepayers Association will then seek Council assistance to implement the trail.

LED Street Light Conversion

- The installation of the V-Category (arterial road) retrofit lights (ie swapping the old light for new LED) being undertaken by Currie Electrical is 99% complete. The remaining lights are located in the CBD mall area and the installation of these is well underway.
- The Southern V-Category infill streetlight contract (ie those requiring new poles) was awarded to Currie Electrical on 16 March 2020 and is well underway with most of the central city area completed. This portion of the work is due to be completed in December 2020. This contract also includes new streetlights in the southern half of the Whangarei District and all of the new lights in the Kaipara District. This portion of the work will be undertaken in the 2021/24 LTP.
- The Northern V-Category infill streetlight contract has been awarded to McKay Electrical. This contract includes new streetlights in the northern half of the Whangarei District and all of the new lights in the Far North District. The work on the northern city area has commenced. This contract has an extended completion timeframe of June 2022 due to budget constraints.
- We are currently investigating both Auckland Transport's central management system (CMS) and other "Smart Cities"-type CMS to control the new LED streetlights. Again due to budget constraints, a trial may be done in 2020/21 to confirm whether a CMS system should be rolled out over the network in the 2021/24 period.

Inner CBD Transport Model

- The final modelling report has been completed.

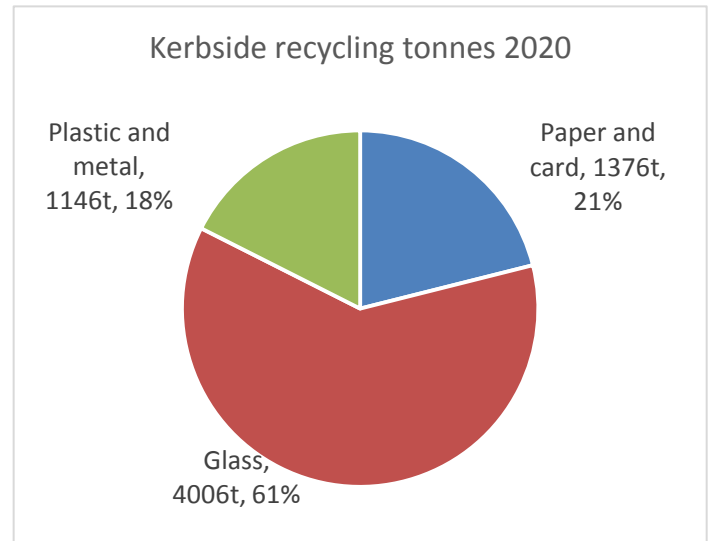
Parks, Recreation and Solid Waste

Operations

Solid Waste Operations

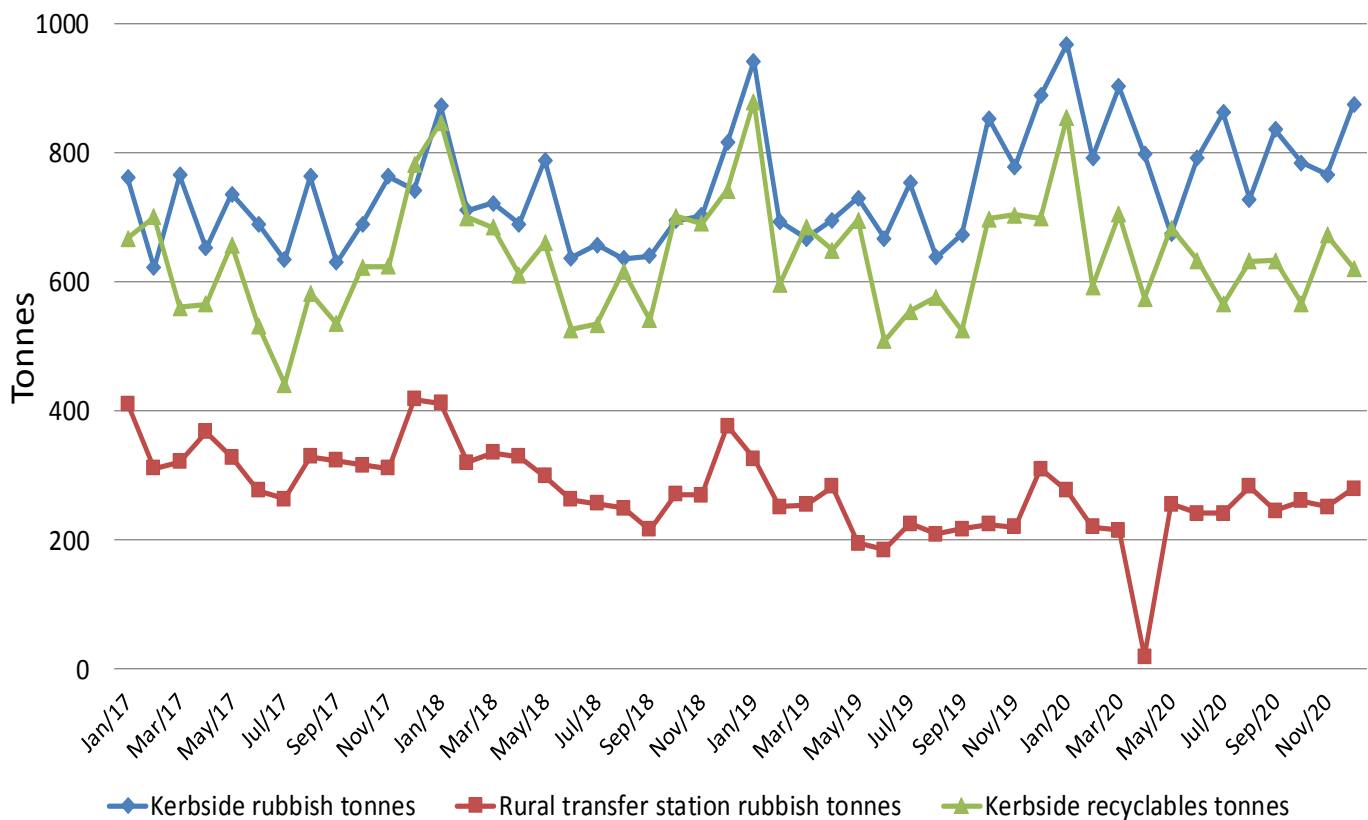
The number of customer calls about rubbish and recycling collection issues in November and December is the lowest it has been since 2012. The collection crews have been working hard and doing long hours over Christmas and New Year to cope with the large volume of waste and recycling presented at the kerbside. The number of compliments recorded in the Council customer response system was a record high in 2020, this is due to continued efforts by the contractor's team to provide a high level of service despite the difficulties presented by COVID-19. It is acknowledged that further improvements to the service are possible, but it is encouraging that the contractor's team are seeking continual improvement and the results are showing through in the statistics.

Annual totals for the kerbside recycling are shown in the chart below. Tonnages are consistent with last year apart from a small reduction in the amount of paper and card collected:



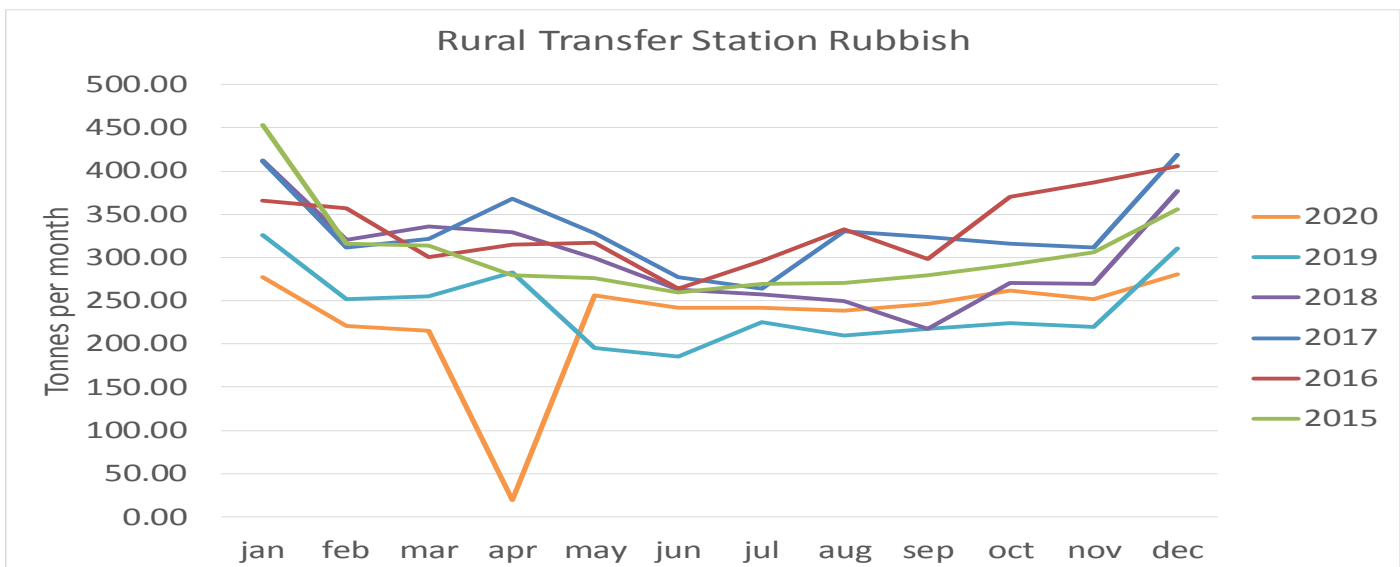
Monthly waste tonnages are shown in the table and chart below.

Solid Waste Tonnes Jan 2017 - Year to Date



Rubbish Collection Tonnes	2020/21	2019/20	RTS Tonnes	2020/21	2019/20	Recycling Tonnes	2020/21	2019/20
June		793	June		241	June		633
May		675	May		256	May		684
April		798	April		20	April		575
March		903	March		215	March		705
February		793	February		221	February		593
January		969	January		277	January		856
December	876	889	December	280	311	December	622	699
November	767	779	November	252	220	November	673	704
October	784	853	October	261	224	October	567	698
September	836	674	September	246	217	September	633	525
August	728	638	August	238	210	August	633	577
July	862	753	July	246	226	July	566	554
Total for period	4853	9517	Total for period	1523	2638	Total for period	3694	7803

The amount of rubbish collected at transfer stations is remaining relatively low, this may explain some of the increase in kerbside rubbish weights. The tonnages at the rural transfer stations over the last 5 years is shown in the chart below:



Walking Tracks

A large pine tree fell across the Whananaki Coastal Walkway and has been cleared, this route is very popular, and indications are that a lot of Kiwi's will be walking the Te Araroa Trail this year, which uses this track.

The last of the storm damage work is now being completed. The kauri dieback disease hygiene station south of Whareora Road was washed away and has now been replaced. Surfacing of the Hatea Walkway Track which has become a little piecemeal, will now be completed between Whareora Road and Vale Road, work which was scheduled soon anyway.

We are going to place one of the multi-directional benches recovered from the Town Basin, on the lookout above Whangaumu Bay. With views over both Ngunguru Sandspit one way and the Bay the other, this will be a perfect location and appreciated by many.

The cycle trail between Whangarei Falls and Vinegar Hill Road was completed prior to Christmas with 'The Team' gaining a huge amount of experience. Already, the path is very popular with walkers, particularly those from the two retirement villages either end. Sadly, it has also attracted abuse from motor cyclists, which is tricky because family cyclists are welcome. Stopping one but not the other will be a challenge but our designed entrance at Vinegar Hill Road seems to be working.

We are working with NRC and have design work underway to repair the Raumanga Valley stream banks. Damage during the July storm caused erosion and this is now affecting the adjacent walkway near Hora Hora school. Security fencing used to protect users of the path is being constantly pushed into the stream which is frustrating.

Tree Maintenance

November

Treescape® had one and a quarter crews running on the contract during November.

The month's focus was on proactive work with very minimal reactive work completed. The focus for November was on our parks with the dry weather enabling access. A stump grinder started working through a back log of outstanding Street and Parks and Reserves stumps.

A total of 9 Reserves and Parks were completed or started in November. No streets were completed.

There were no Health & Safety issues for the month of November. One internal safety audit was completed on the crews.

CRM Calls Received	CRM Calls Closed	Resource Consent Required	Referred to WDC for action	Pending – still within timeframe	Deferred – Priority 4	Not completed on time.
30	20	0	0	10	0	0
Deferred from previous months.	0	0	0	0	0	0

December

Treescape® had one and a half crews running on the WDC tree contract during December, the focus being on proactive work with minimal reactive work.

Continued dry weather allowed for vehicle/truck access to Parks and Reserves which was the focus for December.

Most of the work was carried out in Ruakaka, focusing on the Township Walkways and the mown areas along Peter Snell Dr where there were a lot of low branches interfering with the mowing contractors.

Work also took place at the Onerahi Tennis Club Reserve to clear four telephone lines that travel through the Bush Reserve.

Arborists carried out dead wooding and installed a new cabling system in the large Liriodendron at 151 Kiripaka Rd. This tree is listed as a Notable Tree in the WDC District Plan.

Coastal Structures

46 inspections were completed in November and 27 in December. No major issues were identified.

Recent tomos near the Beach Rd Onerahi playground were promptly filled in prior to Christmas. This seawall is scheduled to be renewed next financial year which should remedy the ongoing issue.

Removeable bollards were placed at Stuart Rd jetty & Whananaki wharf for health and safety reasons.

The Oakleigh wharf pontoon was craned onto land on Tuesday 8/12/20 to undergo vandalism repairs. It was craned back into position two days later.

Sports Parks

Our contractors have been busy making sure that all our cricket wickets are in top condition for the summer season. In contrast, some of the practice nets / artificial turf are in poor condition and we are going to have to repair these, as they are becoming hazardous for both users and spectators / vehicles. Renovation of winter fields included dethatching many of them. Levelling, aeration, fertilizing and any drainage repairs will take place soon. Those fields being used by the Rugby World Cup will be receiving greater attention over the coming few months.

The fencing around the athletics track is complete and looking good. A kick board will need to be added to stop cricket balls from running underneath in places. It is hoped that Trigg Stadium will be the venue for the Colgate Games in January 2023, where 1500 children and 500 adults would compete. Resurfacing of the track is required before these events.

The NZ National Horse Cross-Country Championships are to be held at Barge Park July 2022. New horse yards are sought leading up to this event.

Pakistan played at the Oval prior to Christmas and the intermediate drainage / renovation work done last winter are now paying off. Further drainage work will be required at the Oval this coming winter to complete long-term works planned there.

Parks and Gardens

November received 106mm of rainfall with falls throughout the month while December was very dry with only 9.2mm of rain.

The rain at the start of November and the warm early summer temperatures are perfect growing conditions and the grass and weeds were growing flat out. With only smaller falls of rain in the second half of the month, the ground condition started to dry out, and this was started to be seen in the sandy soiled coastal areas.

Weed growth continues to be an issue and the contractor are targeting our high-profile sites, as well as keeping in mind sites that will become more popular with the summer/Christmas season.

The contractor has completed the summer annual plantings throughout the city, and they are establishing well. A watering programme is underway for the sites without irrigation, as rainfall has been limited over the later part of the month. They are also monitoring the frequency of watering at the sites with irrigation, ensuring the plants weren't over watered and thereby wasting water.

Hanging baskets have been installed in Cameron Street Mall and Hikurangi, in time for the Christmas Parades. Due to the delay receiving sphagnum moss (another COVID-19 consequence) the remaining baskets will be installed in early December.

Grass growth remained strong in November with the contractor working hard to stay up to spec. They are getting on all sites as the ground is dry but have had to leave a bit of grass lying around because of the growth we are having.

At the Town Basin, Recreational Services have gone even greener. In the last few years they have predominantly used 'green' herbicides to control the weeds. Now they have gone electric. They have an electric vehicle allocated to the Town Basin, they use electric lawn mowers, weeders, hedge trimmer and blowers. Apart from the environmental benefits, because this equipment is quiet to use, it gives the contractor more flexibility of when they can use the gear without annoying the tenants and visitors at the Basin.

Playgrounds and Skate Parks

During November, the contractor had to replace worn shackles on the basket swing at Kensington Park, issues with the play car and seesaw were rectified at Mander Park. The Town Basin renewal is going well but won't be opened until January 2021.

In early November all the shade sails were put up, to provide shade over summer. The playground renewals for this year will begin in February or March.

Cemetery

Six Burials for November and 11 for December. After a rush of plot purchases after lockdown ended we found ourselves short on ashes plots, both at Kamo, and Maunu cemetery. To ensure we have stand by capacity new berms have been installed and we should get at least 5 years out of the berms at Kamo, and a good 2 years at Maunu. Our next berm construction will be new burial plots, and we will install enough for a number of years, to ensure we have capacity.

The Wisteria outdoor chapel which was installed about a year ago, has grown considerably and this time next year, it should be fully enclosed.

Botanica

Visitor numbers: November 1495, December 1423

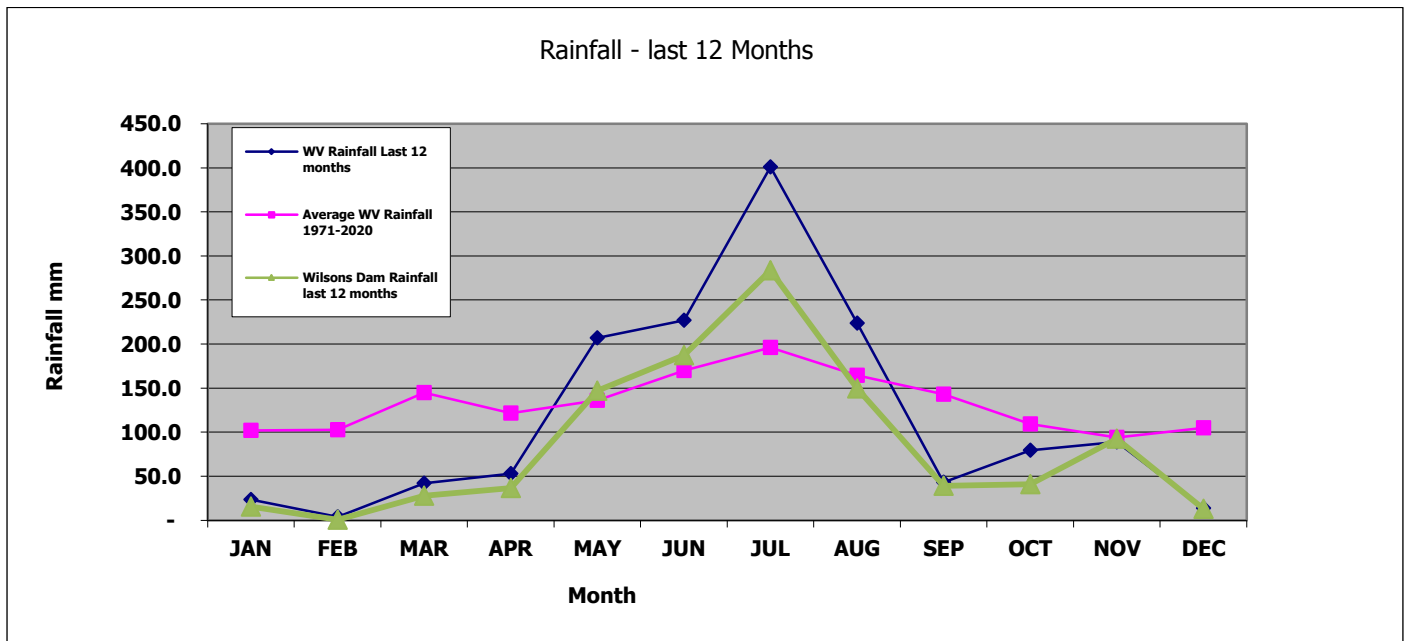
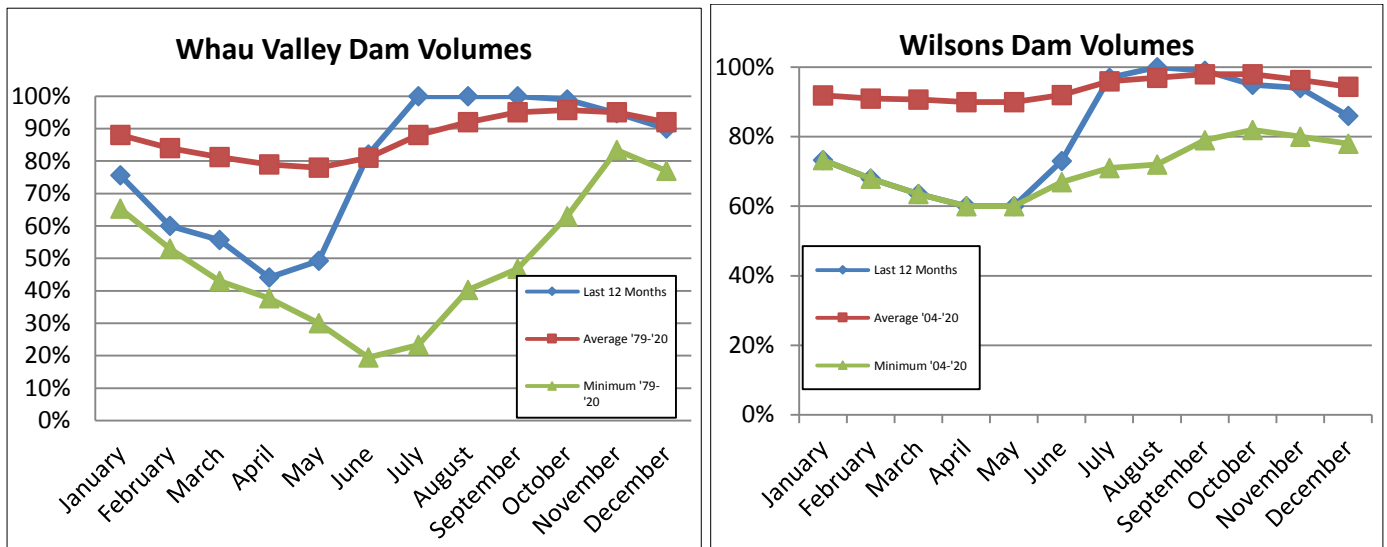
The place is looking lovely as always. A large Ficus tree in the conservatory had to be removed, as it had outgrown the building. The team from the cemetery helped with this. The Botanica team will now have to replace it with something else, to fill in the gap with stocks they have available in the storage area. There is one other dead tree, which our tree contractor will need to remove as it is too large for council staff to deal with.

Water Services

Operations

Rainfall and Water Sources

After a wet Winter, Spring saw consecutive drier months and this has continued into summer. 89mm of rain fell at Whau Valley during November which is close to the monthly average of 94mm. December saw only 13.8mm of rain compared with the average of 105mm. The total rainfall at for both Wilsons Dam and Whau Valley Dam remains slightly less than normal for the whole year but not by much that to the wet winter. The Whau Valley Dam is now at 90% which is average for the time of year and identical to the same time last year. Wilsons Dam is also beginning to drop and sits at 86% which is slightly below average. It is expected if the current dry weather continues that the dams will start to drop quicker, particularly as demand will remain high over the holiday period. However, the long range forecast is for normal or above average rainfall over the next 3 months and if this eventuates all water sources should be maintained at reasonable levels over summer.



Production Report

Compliance

Whau Valley WTP – Plant was fully compliant for protozoa and bacteriological.

Ruakaka WTP – Plant was fully compliant for protozoa and bacteriological.

Ahuroa WTP – Plant was fully compliant for protozoa and bacteriological.

Ruddells WTP – Plant was fully compliant for protozoa and bacteriological.

Poroti WTP – Plant was fully compliant for protozoa and bacteriological.

Maungakarama WTP – Plant was fully compliant for protozoa and bacteriological.

Mangapai WTP – Plant was fully compliant for protozoa and bacteriological.

Other works

The algal bloom at Wilsons Dam continues and levels have risen slightly over the last few months as temperatures have increased. The trial of diatom dosing continues with the additional dosing equipment now operating in some of the shallower side arms of the dams. Initial indications show that algae levels are significantly lower than this time last year. With the algae growth season starting it will be interesting to see how effective the new equipment is over the rest of summer.

The upgrade of the SCADA system is progressing well, and the second treatment plant has now been upgraded. The new system operates on the cellular network and should be significantly more reliable than the old radio telemetry.

Distribution Report

Water Statistics

79	Connection leaks repaired
36	Rider/Main leaks repaired
34	New connections installed
24	Faulty meters replaced

A total of 79 service connection leaks were repaired together with 36 main and rider main leaks. The number of leaks rose again last month mainly due to the dry weather making it easier to spot leaks. It is anticipated the number of leaks will continue to increase if the dry weather continues and the ground begins to dry out and move. A total of 34 new water connections were installed during the month and 24 meters were replaced after being reported faulty by the meter readers.

3 Waters Funding Projects

The Capital projects that will be funded by the Governments 3 Water fund are, Whau Valley Water Treatment Plant stage 2, Poroti Water Treatment Plant Upgrade – Design, Whareora Road watermain replacement, Rewa Rewa Road water main replacement, Kamo Road water main replacement and the installation of filling points. Work on Rewa Rewa Road has already started and is expected to be completed ahead of the Roding project in the same area in the new year. Design work on the kamo main is progressing and the tender should be advertised at the end of January. Design work is underway for the additional Whau Valley WTP works and the concept design for the Poroti upgrade. Work has also started on the design of the electronic control system for the new filling points.

Consents and Compliance - Laboratory Water Quality Tests

Description	Number of Tests	Failures	Results	Goal	Retest
E. Coli leaving WTP	13	0	100%	100%	N/A
E. Coli within distribution	37	0	100%	100%	N/A
Free Available Chlorine within distribution (above 0.2mg/l)	68	0	100%	95%	N/A

RESOLUTION TO EXCLUDE THE PUBLIC

That the public be excluded from the following parts of proceedings of this meeting.

The general subject of each matter to be considered while the public is excluded, the reason for passing this resolution in relation to each matter, and the specific grounds under Section 48(1) of the Local Government Official Information and Meetings Act 1987 for the passing of this resolution are as follows:

1.	The making available of information would be likely to unreasonably prejudice the commercial position of persons who are the subject of the information. {Section 7(2)(c)}
2.	To enable the council (the committee) to carry on without prejudice or disadvantage commercial negotiations. {(Section 7(2)(i))}.
3.	To protect the privacy of natural persons. {Section 7(2)(a)}.
4.	Publicity prior to successful prosecution of the individuals named would be contrary to the laws of natural justice and may constitute contempt of court. {Section 48(1)(b)}.
5.	To protect information which is the subject to an obligation of confidence, the publication of such information would be likely to prejudice the supply of information from the same source and it is in the public interest that such information should continue to be supplied. {Section 7(2)(c)(i)}.
6.	In order to maintain legal professional privilege. {Section 2(g)}.
7.	To enable the council to carry on without prejudice or disadvantage, negotiations {Section 7(2)(i)}.

Resolution to allow members of the public to remain

If the council/committee wishes members of the public to remain during discussion of confidential items the following additional recommendation will need to be passed:

Move/Second

"That _____ be permitted to remain at this meeting, after the public has been excluded, because of his/her/their knowledge of Item _____.

This knowledge, which will be of assistance in relation to the matter to be discussed, is relevant to that matter because _____.

Note:

Every resolution to exclude the public shall be put at a time when the meeting is open to the public.