

Infrastructure Committee Agenda

Date: Thursday, 13 February, 2020

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.

1. Declarations of Interest

2. Apologies

3. Confirmation of Minutes of Previous Infrastructure Committee Meeting

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| 3.1 | Minutes Infrastructure Committee meeting 11 December 2019 | 3 |
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4. Information Reports

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| 4.1 | Contracts Approved Under Delegated Authority - February 2020 | 7 |
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| 4.2 | Infrastructure Operational Report - February 2019 | 15 |
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5. Public Excluded Business

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| 5.1 | Confidential Minutes Infrastructure Committee meeting 11 December 2019 | |
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6. Closure of Meeting

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: Wednesday, 11 December, 2019
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 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

Not in Attendance

 Cr Simon Reid

Scribe

 C Brindle (Senior Democracy Adviser)

1. Declarations of Interest

There were no declarations of interest made.

2. Apology

Cr Simon Reid

Moved By Her Worship the Mayor

Seconded By Cr Greg Innes

That the apology be sustained.

Carried

3. Decision Reports

3.1 Petition for No-Stopping Lines at Marlin Place - Tutukaka

Moved By Cr Anna Murphy

Seconded By Cr Vince Cocurullo

That the Committee

1. Receives the petition and instructs staff to:
 - a. Investigate the request and report back to this Committee;
 - b. Advise the petition organiser of this course of action.

Carried

3.2 Petition for Speed Reduction on Whangarei Heads Road, Onerahi

Moved By Cr Greg Innes

Seconded By Cr Anna Murphy

That the Committee

1. Receives the petition and instructs staff to:
 - a. Investigate the request and report back to this Committee;
 - b. Advise the petition organiser of this course of action.

Carried

3.3 Petition for Seal Extension Lamb Road, Parua Bay

Moved By Cr Greg Innes

Seconded By Cr Jayne Golightly

That the Council

1. Receives the petition and instructs staff to:
 - a. Advise the petition organiser that the request may be considered as part of the 2021/22 Long Term Plan.

Carried

3.4 Petition for Seal Extension Sandford Road, Ruakaka

Moved By Cr Ken Couper

Seconded By Cr Shelley Deeming

That the Committee:

1. Receives the petition and instructs staff to:

- a. Advise the petition organiser that the request may be considered as part of the 2021/22 LTP.

Carried

3.5 Reserve to be Dedicated Road, Commerce Street, Whangarei City

Moved By Cr Vince Cocurullo

Seconded By Cr Greg Innes

That the Committee Resolve:

1. That pursuant to Section 111 of the Reserves Act 1977, Lot 27 DP 40282 situated in Commerce Street, Whangarei, be dedicated as road.

Carried

Cr Cutforth left the meeting at 9.49am during discussions on Item 3.5.

Her Worship the Mayor was absent from the meeting from 9.49am to 9.51am during discussions on Item 3.5.

4. Information Reports

4.1 Contracts Approved Under Delegated Authority

Moved By Cr Shelley Deeming

Seconded By Cr Greg Innes

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

Carried

4.2 Infrastructure Operational Report - December 2019

Moved By Cr Greg Innes

Seconded By Cr Shelley Deeming

That the Infrastructure Committee notes the Infrastructure Operational Report update.

Carried

Cr Cutforth re-joined the meeting at 9.56am during discussions on Item 4.2.

Cr Murphy was absent from the meeting from 9.57am to 9.59am during Item 4.2.

5. Public Excluded Business

Moved By Cr Shelley Deeming

Seconded By Cr Greg Innes

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:

General subject of each matter to be considered		Reason for passing this resolution in relation to each matter	Ground(s) under Section 48(1) for passing this resolution
1.1	Water Reticulation Maintenance Contract Extension	Good reason to withhold information exists under Section 7 Local Government Official Information and Meetings Act 1987	Section 48(1)(a)

This resolution is made in reliance on Section 48(1)(a) of the Local Government Official Information and Meetings Act 1987 and the particular interest or interests protected by Section 6 or Section 7 of that Act which would be prejudiced by the holding of the whole or the relevant part of the proceedings of the meeting in public, are as follows:

Item	Grounds	Section
1.2	To protect information where the making available of the information would be likely unreasonably to prejudice the commercial position of the person who supplied it or the subject of the information.	Section 7(2)(b)(ii)

Carried

6. Closure of Meeting

The meeting concluded at 10.25am.

Confirmed this 13th day of February 2020

Councillor Greg Martin (Chairperson)

4.1 Contracts Approved Under Delegated Authority

Meeting: Infrastructure Committee
Date of meeting: 13 February 2020
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	
CON1806	Nova Scotia Road Bridge No.606 Upgrade
CON19061	Minor Road Improvements Package 19-20
2. Infrastructure Planning and Capital Works	
	Professional Services – Reservoir Assessments

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 Authority February 2020

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

CON18076 Nova Scotia Road Bridge No. 606 Upgrade

Introduction

Contract 18076 is for Nova Scotia Road Bridge No. 606 Upgrade of the bridge structure including the re-painting of the superstructure beams, replacement of the diaphragms, pile jacketing, replacement of timber bracing and linkage 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 & Zander Cutang (Northland Transportation Alliance)
 Dewi Todd-Jones (WSP New Zealand)

Tenders Received and Evaluated

The tenders were opened on 4 October 2019 using the Tenderlink forum and only one tender was received.

Tenderer	Price (Excl GST)	Supplier Quality Premium	Tender Evaluation Sum (Excl GST)
Asset Construction Ltd	\$652,470.00	0	\$652,470.00
Engineer's Estimate	\$369,740.00		

The subject Tender received one submission only and was deemed acceptable for evaluation due to the shortage of contractors bidding for bridge works. The evaluation consists of 2 stages as follows:

Stage 1 of the tender evaluation method involved checking that the non-price attributes

were in accordance with the Tender Document. All tender attributes were addressed to the satisfaction of the tender evaluation team. ACL obtained good grades for each attribute reflecting their satisfactory submission and experience of successfully completing similar projects in the past. The TET also received positive references with regards to the tenderer and the quality of their workmanship on similar projects in the past.

Stage 2 of the tender evaluation involved an arithmetic check on the Asset Construction Ltd pricing schedule. No errors were found in the Tenderers' Schedule of Prices or Form of Tenders.

The tendered sum from ACL was far in excess of the Engineer's Estimate. The difference with Engineer's Estimate is believed to be due to the Contractor being originally from Auckland and supplying prices more akin to those usually seen in the overheated Auckland market. Also, the engineer's estimates were not purely reflective of current market rates hence the big difference between the submitted price and the engineer estimate.

Due to Whangarei District Council not having the funds to complete the works at this price, the TET alongside the Northland Transportation Alliance (NTA) agreed that the process would move to direct negotiations, with a view to reducing the tendered sum to a more reasonable value.

The main reason for receiving only one tender was due to the current workload in the region as well as some major NZTA and Council projects. Contact was made to the main local bridge Contractors and it was determined that retendering was unlikely to bring further tenderers on board.

Direct Negotiations

ACL were informed that their price was significantly higher than the Engineer's Estimate, and that if the project was to proceed, they would need to review their pricing and allocation of risk with the overall aim of achieving better value for money without impact to quality.

The TET commenced negotiations with ACL where they thought particular scheduled items may be excessive, and as a result ACL resubmitted a tender price of \$439,849.00 (excluding GST) which was deemed acceptable by the TET.

The savings in their Tender Sum has come about by a reduction in their rates for most of the scheduled items. The revised tender sum of \$439,849.00 (excluding GST) also includes an allowance of 9% for provisional works, subject to Engineers approval.

Financial

The budget for the Nova Scotia Road Bridge No. 606 Upgrade for 2019/20 is \$450,000.00 (excluding GST).

Chief Executive Approval

The contract for Nova Scotia Road Bridge No. 606 Upgrade (CON18076) be awarded to Asset Construction Ltd. for the tendered sum of \$439,849.00 (Four Hundred thirty-nine thousand, eight hundred and forty-nine dollars) excluding GST.

CON19061
 Minor Roding Improvements Package 19-20

Introduction

The works in Otangarei include the implementation of the second (final) stage of traffic calming in the area. In 2018-19, speed bumps were installed in Keyte St and several raised central medians (splitter islands) were installed at many intersections within the Otangarei catchment. This year's works include installation of speed bumps in the remaining western section of Jack St and raised central medians at three remaining intersections in Otangarei.

As part of the recent development in Kensington by the Regent Countdown, they were required to install physical measures in Wallace St and Dinniss Ave, as part of their resource consent requirements. It was stipulated that the commercial delivery vehicles will only be allowed entry to the Countdown site through Manse St/Wallace St intersection, not through Dinniss Ave, because of the residential nature of that area. Roding (NTA) was then requested to implement these works on behalf of Countdown. It was later agreed between Roding and Countdown to install raised central medians (splitter islands) in Wallace St and Dinniss Ave at three intersections, to fulfil Countdown's resource consent requirements. It was agreed that Countdown will pay the Council for the works at Dinniss Ave/Kamo Rd intersection and Wallace St/Countdown site intersection, and that the Council will pay for the works at Dinniss Ave/Wallace St intersection.

Procurement Process

The engineer's estimate for this contract was \$178,605.00 excluding GST. For a procurement of this value, both WDC's Procurement Policy and NZTA's Procurement Manual allow a closed competition to be used.

The following five contractors were approached and all five expressed an interest in pricing the works and were sent the Tender Documentation:

- Broadspectrum
- Downer
- Fulton Hogan
- Robinson Asphalts
- United Civil

Tenders Received and Evaluated

Tenders were closed on 25th November 2019. Two tender submissions were received as per below:

Tenderer	Tender Price (excluding GST)
Broadspectrum	\$199,984.60
Robinson Asphalts	\$235,300.50
Engineer's Estimate	\$178,605.00

Financial

Countdown has agreed to make a full contribution for their share of works, an amount of approximately \$56k with the balance paid by Roding.

There are sufficient funds available within the Council's Roding Low-Cost Low-Risk improvements 19-20 budget to undertake these works.

It is proposed that a contingency of 5% of the tender price, a sum of \$9,999.23, be allowed to the tendered price to allow for any unforeseen variations, increasing the total contract price to \$209,983.83 excluding GST.

General Manager Approval

The contract for Minor Roding Improvements Package 19 - 20 (CON19061) be awarded to Broadspectrum for the tendered sum of \$209,983.83 (two hundred and nine thousand, nine hundred and eighty-three dollars, and eighty-three cents) excluding GST.

2.0 Infrastructure Planning & Capital Works

Professional Services Reservoir Assessments
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Introduction

Water Services conducts condition assessments of its 28 reservoirs in general every five years, the last assessments were undertaken in 2014-15. The previous inspections, subsequent seismic assessments, detailed designs of any remedial works and specification of maintenance activities were undertaken by Opus's local structural engineering staff. Over the last five years they have become very familiar with the various reservoirs.

Ideally, the reservoir assessments are undertaken by an experienced structural consultant with staff familiar with Water Services reservoirs. All the reservoirs need to be inspected and therefore it is beneficial to have a local structural engineer do the inspections to avoid significant travel costs.

Water Services consider the only local consultant who adequately meets these

requirements is WSP (formerly known as Opus International Consultants) and propose to engage WSP directly for the provision of professional structural engineering services.

Procurement Process

The value of the works is such that the contract can be negotiated with a sole supplier in accordance with Council's Procurement Policy.

The scope of works, programme and fee was directly negotiated with WSP.

The fee (\$98,885 excluding GST and including a contingency of \$2,000.00) and personnel rates offered by WSP are acceptable.

Financial

The project will be paid out of Reservoir Rehabilitation PJ 00294 - 2736, which has a budget of \$376,497.00 this financial year. To date, \$168,251.00 has been committed for maintenance activities. After committing to this contract for \$98,885 there will be \$109,361.00 for other work.

General Manager Approval

The contract for Reservoir Assessments Professional Services be awarded to WSP for the sum of \$98,885.00 (ninety-eight thousand eight hundred and eighty-five dollars and zero cents) excluding GST.

4.2 Infrastructure Operational Report – February 2019

Meeting: Infrastructure Committee
Date of meeting: 13 February 2020
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 2019.

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 2019

Infrastructure Group

Monthly Operational Report

November and December 2019

Infrastructure Monthly Operational Report

Reporting Officer: Simon Weston (General Manager Infrastructure)

Date: February 2020

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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	Detailed Design	Aug-20	Jun-21	
Detailed design nearly complete. Physical works planned to start Aug 2020 to align with HAC timing.				
Ball Clock (3rd party project)	Construction	Sep-19	Jun-20	
Sod turning 18 Oct 2019. Coordinating with playground renewal project.				
Camera Obscura (3rd party project)	Construction	Oct-19	Aug-20	
Construction commenced November 2019. Landscaping will be done by council Jul/Aug 2020.				
Town Basin Bus Facilities Upgrade	Project Planning	Jul-20	Jun-21	
Conceptual options are being drafted under the Complete Streets Masterplan project.				
Pohe Island Destination Playground & Public Toilets	Design	Nov-20	Mar-21	
Detailed design progressing. Playground equipment procured. Earthworks & services installation 19/20.				
Pohe Island Skate Park	Detailed Design	Mar-20	Nov-20	
Detailed design nearly complete. Construction brought forward to 19/20. Construction tender Jan.				
Complete Streets Masterplan – Whangarei City	Professional Services	n/a	Feb-20	
Traffic modelling completed. Masterplan now drafted. Planning for project priority underway.				
Tamaterau Carparks Upgrade (TIF funded)	Design & Consenting	Mar-20	Jul-20	
Design complete, archaeological application in progress, consent lodged. Hapu engagement continuing.				
Restoring the Mauri of Matapouri Stg 1 (TIF funded)	Investigation & Design	Oct-19	Nov-20	
Recycling & rubbish facilities installed, working with hapu on next stages.				
Abbey Caves Car Park & Public Toilets (TIF funded)	Project Planning	Sep-20	Mar-21	
Survey done Dec. Project Plan being prepared. Next step is procuring design consultants.				
Major Projects - Parks & Recreation				
Matapouri Beach Restoration	Construction	Apr-21	Nov-21	
Consent granted. Environmental window for moving sand is April to July. Physical works planned for 2021 due to insufficient sand available in the estuary. Marker posts to be installed to monitor erosion.				
Sandy Bay Erosion Protection	Consenting	TBC	TBC	
Waiting for DOC approval and resource consent before further consultation. Hapu meeting held Nov.				
Princes Road Seawall Renewal	Consenting	May-20	Jul 20	
Design complete. NRC consent granted. WDC tree removal consent to be applied for.				
Ruakaka Sports Fields (Sand Removal)	Consenting	Apr-20	Jun-20	
Sand dune removal required before sports field construction. Consent lodged.				
Otaika Sports Park Field Construction	Construction Stg 2	Nov-18	Apr-20	
Construction complete, turf is now establishing for winter 2020 season.				
Mackesy Bush Track Renewal	Complete	Apr-19	Dec-19	
Physical works is now complete.				
Ngunguru Seawall Renewal	Consenting	TBC	TBC	
Resource consent lodged with NRC, will be determined by commissioner without public notification.				
Ngunguru Youth Activity Zone & Drainage	Procurement	Oct-19	Apr-20	
Drainage of sports fields completed, now re-growing. Construction of youth zone likely to start in Feb.				
Parihaka War Memorial Refurbishment	Construction	Sep-19	Feb-20	
Restoration of monument and lighting nearing completion. Phase 2-3 consultation meetings held.				
Hikurangi & Hukerenui Sports Field Drainage	Complete	Oct-19	Dec-19	
Construction of both fields is complete. Fields are closed until early February when grass has established.				

Parua Bay Sports field Drainage	Design	Oct-19	Dec-19	
Construction is complete. Fields are closed until early February when grass has established.				
Town Basin Playground Renewal	Detailed Design	Mar-20	Sep-20	
Design nearly complete. Playground equipment procured. Construction tender Jan, works start March.				
Town Basin Wharf & Boardwalk Renewals	Investigation	Apr-20	Jul-20	
Seawall requires repair. Wharf in poor condition. Replacement of wharf piles likely to be April 2020.				
Town Basin Lighting Renewals	Design	Feb-20	Jun-20	
Initial design done, needs integration with new park and Hundertwasser lighting.				
Laurie Hall Park Waterfall Upgrade	Design	TBC	TBC	
Design completed. Project parked until 20/21 financial year.				
Tikipunga – Field Sand Carpets	Construction	Nov-19	May-21	
Under construction. Field 1 undergoing sand application. Field 10 to begin in 2020.				
Pyle Road West Seawall Renewal	Design	TBC	TBC	
Design work underway as per One Tree Point erosion report.				
Waipu Youth Activity Zone	Site planning	TBC	TBC	
Initial project scoping work under way. Construction budgeted for 20/21 financial year.				
Cobham Oval Carpark Upgrade	Project Planning	TBC	TBC	
LTP project brought forward. Scoping and background research commenced November 2019.				
Major Projects - Water				
Whau Valley Water Treatment Plant	Construction	Mar-19	Oct-20	
Constructing above ground structures. Commissioning planned Nov/Dec-20 (postpone if dam levels too low).				
Ruakaka WTP Clarifier Upgrade	Construction	Mar-19	Apr-20	
One scraper system complete and in use. Second one planned for Feb 2020 after peak period.				
Major Projects - Waste & Drainage				
Whangarei WWTP Discharge Consent Renewal	Technical Reports	Jan 2021	Apr-21	
Ecological monitoring extended into 2020. Best Practicable Options report to follow. AEE Report needed.				
Stormwater Network Consent Applications	Technical Reports	n/a	Dec-20	
Stormwater Catchment Strategic Assessment underway. Data gathering, asset updates & mapping continue.				
Major Projects – Compliance & Regulatory				
New Animal Shelter	Design	Sep-20	Dec-21	
Design work recommenced based on new site.				
Major Projects – Venues & Events				
NEC Lighting Upgrade	Design-Build Tender	Nov-20	May-21	
Tender awarded Dec 19. Lighting expert engaged for resource consent.				

Waste and Drainage Projects	Current Stage	Estimated Construction Start Date	Estimated Completion Date	RAG Status
Kioreroa Rd Sewer Rising Main Replacement	Tender	Feb 2020	Jun-20	
Tender for construction closed on 20 December 2019				
Hikurangi Sewer Rehabilitation Stage 2	Construction	Feb-19	Mar-20	
Physical works are 85% complete. Still on track to be completed by end of March 2020.				
Tarewa Rd/SH1 Sewer Crossing Stage 2	Construction (NZTA)	Jul-19	Apr-20	
To be installed after completion of pavement widening works. Expected to be done in March 2020				
Hatea River Sewer Crossing	Construction	Feb-20	Apr-20	
Construction expected to start end of Feb 2020 to avoid conflict with building currently underway near the site.				
Tamingi St, Ruakaka Sewer Renewal	Construction	May-19	Mar-20	
Approval given to start pipe-bursting. Expecting work to start after new year following request by the property owner				
Leith Catchment Sewer Rehabilitation	Construction	Apr-19	Mar-20	
Two lines remain to be completed. Expected to be completed by March 2020.				

Water Services Projects	Current Stage	Estimated Construction Start Date	Estimated Completion Date	RAG Status
Water Treatment Plant Upgrades	Construction	Sep-19	Jun-20	
Works generally on target				
Meter Replacement Contract 2019/20	Construction	Sep-19	Apr-20	
On track				
Reticulation Programmed Works 2018/19	Construction	Oct-19	Jun-20	
Work on Morningside Road underway, Hospital Road next				
Minor Projects - Emergency Works	Design	n/a	n/a	
Prioritisation being confirmed				
SCADA Upgrade	Construction	May-19	Dec-20	
Ahuroa site programming complete, go live after summer peak				

Roading Projects	Current Stage	Estimated Construction Start Date	Estimated Completion Date	RAG Status
LED Street Lighting – Supply & Install (V Category)	Construction	Jul-19	Dec-20	
Construction of retrofit nearing completion. Tenders being evaluated for new infill lights.				
Safety Package (Vinegar Hill Rd & Whg. Heads Rd)	Construction	Sept-19	Mar-20	
CON18052 Construction phase continues				
Maunu/Porowini Intersection Improvements	Construction	Jun-19	Mar-20	
CON18047 Construction phase continues				
KSP Stage 4b (Fisher Tc Underpass)	Construction	Nov-18	Complete	
CON18012 Completed with opening on the 24 November 2019				
KSP Stage 3 & 4 SP1 (Kamo Rd-Puna Rere)	Construction	Nov-18	Complete	
CON170556 Completed with opening on the 19 September 2019				
KSP Stage 3 & 4 SP2 (Jack St to Fisher Tc)	Construction	Dec-18	Complete	
CON17056 Completed with opening on the 24 November 2019				
Te Matau a Pohe Road Light Replacement	Construction	Dec-19	Jan-20	
Contract awarded and installation of lights expected to be completed in late January 2020				
Inner CBD Transport Model	Optioneering	n/a	Jan-20	
Optioneering of packages of the preferred options is now being refined				

Infrastructure Planning & Capital Works

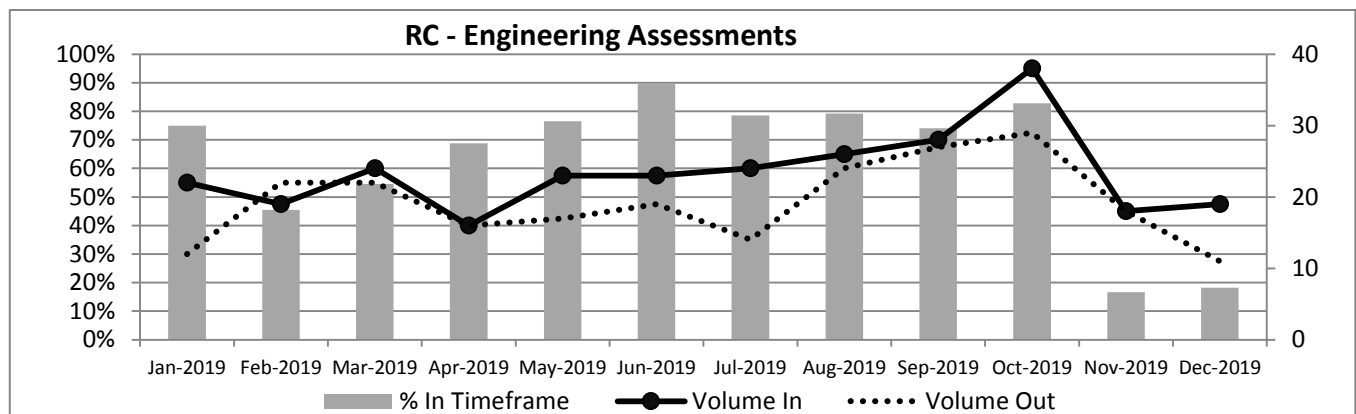
Infrastructure Planning

We are working with Waste and Drainage on the renewal of the Whangarei Waste Water treatment Plant discharge consent. The application needs to be submitted by end of 2021.

New consents applications are being developed for Transfer Stations and Closed landfills under the Proposed Regional Plan to meet the 6-month timeframe for submission.

Infrastructure Development

Development Engineering



The number of reports completed in November were 18 and 11 in December 2019. The 8-day level of service for engineering report delivery was 17% in November and 18% in December 2019. This decrease in performance is due to additional steps in our process including departmental manager sign off and external geotechnical reviews as this is an identified gap in the consent process. We expect this value to increase as we adjust to the new processes. We continue to rely on external consultants who processed 33% of all applications assessed in November and 73% in December 2019.

Applications received in November included a 96 Lot subdivision in Sands Road and a boat sales yard in Port Road.

Two subdivisions at Te Hape Road has been completed with a third development underway. Stage 3 of WFH at One Tree Point, being 76 residential and 3 commercial lots, is under construction with roading and services work well underway. Engineering design for stages 4 and 5 has been received for WFH – The Landing in One Tree Point.

Engineering plans are being assessed for Bupa Retirement Village in Totara Parklands and 69 Lots at 115 Three Mile Bush Road.

The number of inspections undertaken is increasing as the weather improves and the summer contracting season is underway.

Health and Safety

Accidents & Incidents Reported in November and December 2019

The number and types of incidents reported relating to Infrastructure staff, contractors or in Infrastructure locations where members of the public may have been impacted is shown below.

Incident type	Staff	Infrastructure Contractors	Infrastructure Volunteers	Public incidents	Public incidents (not in workplaces)	Totals this month	Running Total 2019-2020	Totals 2018-19	Totals 2017-18	Totals 2016-17	Totals 2015-16
Prohibition Notice	0	0	0	0	0	0	0	1	0	1	0
Fatality	0	0	0	0	0	0	1	1	0	0	0
WorkSafe Notifiable Event	0	0	0	0	0	0	3	2	0	2	0
Lost Time Injury	0	1	0	0	0	1	11	11	9	8	4

Medical Treatment Injury	0	3	0	0	0	3	17	34	51	40	39
Occupational Health Exposure	0	0	0	0	0	0	4	3	1	5	0
Minor injury	0	9	0	0	0	9	18	93	108	119	57
Discomfort and Pain	2	0	0	0	0	2	39	31	40	36	29
Breach of rule incidents	0	1	0	0	0	1	4	8	12	0	0
Incident/Near Miss	7	33	0	0	0	40	112	189	204	189	292
Totals	9	47	0	0	0	34	120	365	425	400	421

Table 1 – Incidents and running totals, November and December 2019 – Note: figures accurate to 20/1/20.

Waste and Drainage

Operations and Maintenance

Whangarei WWTP resource consent renewal

W&D has extended the baseline ecological monitoring at Limeburner's Creek and surrounding area for the main plant resource consent renewal. In the final report, a recommendation was made to repeat the monitoring during summer of 2019/20 to build a more robust dataset. The majority of the monitoring locations had no previous data and repeat monitoring is considered important to understand natural variation.

The extended monitoring will provide a comprehensive 2 years of data which allow W&D to assess the baseline ecological conditions in Limeburner's Creek as well as in the Whangarei Harbour context. The results will inform the Assessment of Environmental Effects (AEE) which will be submitted along with the WWTP Resource Consent Renewal application, targeted for April 2021.

WDC have also asked a consultant to provide a Best Practicable Options (BPO) review of current plant performance which will also be submitted along with the WWTP Resource Consent Renewal.

Rural WWTP Major Operation & Maintenance

Waipu:

- The plant recorded excellent results;

Ruakaka:

- A sludge survey was completed in Q3 2019. The operations team decided to de-sludge the irrigation area and clean up the wetland to improve the water quality of the sea bore holes No 2 and No 3;
- Two new surface aerators were ordered to improve plant treatment capacity. The existing aerator unit shall be set aside as a spare – it is still operational but quite old;

Ngunguru:

- The treated effluent ammonia meets the current Resource Consent requirements. However, the median of 12 values still exceeds the Resource Consent limit. W&D have opted to trial a demo MABR (Membrane Aerated Biofilm Reactor) unit to treat high ammonia levels. The demo will provide WDC with an understanding of MABR technology capabilities in the following areas:
 - Ability to treat ammonia and phosphorus in conjunction with existing oxidation ponds;
 - The plant may be able to treat biological nutrient removal without changing the plant process design and integrations;
- The estimated delivery time of the demo unit is Jan 2020 – it is being shipped from Australia. However, the unit is approximately 4.00 m high, which makes transporting it by truck from North Port to the plant quite challenging. These logistics are still being worked through;

Hikurangi:

- The plant is still non-compliant with faecal coliform and has some impacts to the downstream environment;
- In an attempt to find out why the membrane was fouling and whether or not membrane performance could be recovered, one module of the plant was harvested and sent to Australia. It is estimated that the report on findings and further investigation requirements, if any, will be available by end of Jan 2020;

- WDC have updated NRC regarding the entire process of independent testing.

Tutukaka:

- The 6-monthly report has been submitted to NRC.
- The step screen is showing signs of wear and the operations team are looking at options for replacement.

Oakura:

- The plant was de-sludged.
- Blower time was increased from 60 min to 90 min to prepare for summer peak.

Reticulation

There were two recorded spill incidents in Dec 2019. All sites were disinfected.

Date Spill Started	Date Spill Detected	Date Spill Ceased	Location	Cause	Volume (m³)	Type of Sewage	Action Taken
14/12 2019	14/12 2019	14/12 2019	Corner of Awatea Street and Clark McConachy Place Raumanga	Tree roots in manhole outlet with rags accumulating on tree roots. Low flows, dry storm water system, solids contained in long grass.	<1m³	Raw/ unscreened	NRC and DHB notified, line flushed and tree roots removed.
16/12 2019	16/12 2019	16/12 2019	81 Smeaton's Drive Raumanga	Suspected tree root blockage in downstream manhole. Low flows. Wipes came back on flushing head, downstream manhole not accessible due to being buried by 500mm of soil.	<2m³	Raw/ unscreened	NRC and DHB notified, line cleared, spill cleaned up and disinfected.

Solid Waste Operations

The delivery of blue crates for glass recycling collection has been completed for the whole district, 37,087 new crates have now been distributed. The recycling collections using the additional blue crates for glass has improved as residents have adjusted to the new system. There have been a small number of complaints, but feedback has generally been positive. There have been calls for wheeled bins for all recyclable material and the customer services and communications teams have attempted to explain the rationale for separate collection. The new recycling collection truck with a sideloading trough has been delivered and some minor modifications have been identified before further trucks are delivered. The separate crate for glass appears to have reduced the number of accidents that the collection workers are suffering when sorting glass.

The tonnage of recycling collected has remained similar to last year, rural transfer station rubbish continues to decline, whilst kerbside rubbish continues to increase.

Laboratory Report

During November 2019 the Laboratory analysed 797 samples requiring 2506 tests. 19.6% of the tests were subcontracted and 53% of results were reported within 5 working days. For December 785 samples were analysed for 2530 tests. 15.7 % of the tests were subcontracted and 60% of results were reported within 5 working days. Collectively this represents an 7.5 % increase on testing performed when compared with the same periods last year.

A Leader and Facebook advertising promotion for E coli testing during November and December was successful in raising the awareness of water quality testing for household water supplies.

Roading - Transportation

Maintenance Contracts

November

North Area (Fulton Hogan)

Ordered works completed this month are as follows:

- Stabilise pavement repairs at Pataua North Rd, Harris Rd, McLennan Rd and Russell Rd.
- Pavement dig-outs on Mangahui Rd and Russell Rd.
- Drainage/Watertabling works at Mangahui Rd, Old Parua Bay Rd, Tahere Rd and Taiharuru Rd.
- Tree removal work done on Tremain Rd, Ngunguru Rd, Whangarei Heads Rd, Crane Rd and Whatatiri Rd.
- Roadside spraying round complete.
- Dust suppression round completed on Omauri, Patutahi, Moore Rd and Ross Rd.

South Area (Downers)

Ordered works completed this month are as follows:

- Stabilised pavement repairs at Mill Rd.
- Rehabilitation works on Tangihua Rd completed, McGill Rd started. Mill Rd under design.
- Resurfacing completed in November; O'Carroll, Tait, Holland, Whittle, Knagg, Springfield, Rugby Pl, Pukemiro, McMillan, Lewis, Grandfield, Fearn, Carr, Whitelaw, Bush Haven, Butler Pl.
- Line Marking: Onerahi and Riverside completed, 90% Okara area completed, have moved into the Kioreroa Rd & Rewarewa Road areas, have a night and day shift working.
- TAB Vine St carpark reinstatement complete
- Continuing to monitor the slip at Manuka Place.
- TTM monitoring of uneven surface at water main break Whareora Road.

December

North Area (Fulton Hogan)

Ordered works completed this month are as follows:

- Stabilized pavement repairs at Russell Rd.
- Drainage/watertabling works Whananaki North.
- Channel hand cleaning at Matapouri.
- Limerock overlay on Rockell Rd.
- Wet, roll and grades on limerock sites.

South Area (Downers)

Ordered works completed this month are as follows:

- We have also been able to do a Mill and Fill on Kioreroa Road, along with some emergency repairs on Westwood Lane.
- December has seen the dig out crews, one in the north of the network (starting Snooks Rd) and continuing onto Cove Rd.
- Rehabilitation works continued McGill Rd which was sealed before the Christmas break, due to low traffic volumes. It is waiting for road marking. Mill Rd rehab design is complete, options with costings to be submitted. Underground services investigation complete.
- Resurfacing completed in December were; asphalt cul-de-sac heads only in One Tree Point: Kamahi Pl, Kowi Lakes Dr and Sando Way.
- Line Marking: Okara completed. Rewarewa/Kioreora completed. Jan 2020 will be starting on Hatea Drive and working towards Tikipunga.
- We have finished the concrete channel work with rip rap on Memorial Drive.
- Continuing to monitor the slip at Manuka Place.
- TTM monitoring of uneven surface at water main break Whareora Road.

Projects

High Risk Rural Roads:

- Murphy's Bend
 - Immediate – Slippery When Wet signs and water-cutting road surface – complete
 - Short Term – active warning curve sign and reshape curve – design (19-20), implement (20-21).
 - Long Term (realignment) – Single Stage Business Case (SSBC) for realignment options including potential west-bound slow vehicle bay (19-20). Delivery (2021-24) will be a 'major' project outside LCLR.
- Vinegar Hill Rd – Guardrails, curve realignment near Riversong Rd and delineation improvements – currently under construction, construction to be completed in Feb 2020
- Fisherman's Point (Whangarei Heads Rd)
 - Short Term – survey and review curve shape and surface drainage (2019-20)
 - Long Term – reshape curve and surfacing (2019-20)
- Whangarei Heads Rd / Pepi Rd intersection guardrail – construction completed November 2019
- Cove Rd Culvert Extension (Waipu Cycleway Stage 2a) – Progressing.

High Risk Intersections (Safety):

- Kamo Rd / Kensington Ave Intersection – investigating options to modify phasing to improve safety (filter-phase) (2019-20)
- Bank St / Rust Ave & Bank St / Vine St Intersections – improve capacity and safety by increasing stacking distance (2020-21)
- Corks Rd / Gillingham Intersection safety improvements. Guardrail installation completed 18-19 and curve widening planned with 19-20 reseal - land purchase negotiations completed and underground services negotiations underway
- Mill Rd / Whareora Rd Intersection – guardrail. Design complete, Implement 2021-24
- Whangarei Heads Road – Standard Safety Interventions (SSI), design 2019-20, implement 2021-24

Pedestrian facilities:

- Hikurangi Township – zebra crossing and school access safety improvements and speed management. Working with Hikurangi Revive and the school to provide alternative access to the school with improved pedestrian crossing for local business and the community. Currently working with consultants on design options construction early 2020.
- Hatea Drive crossing – new pedestrian crossing (median islands) in Hatea Drive near Rurumoki Street (access to Mair Park) – completed December 2019
- Whangarei Heads Rd – upgrade pedestrian crossing to a School Kea Crossing (2019-20) likely to be deferred to 2020/21 until agreement with community and school is reached.
- Cross St (outside Whangarei Primary School) – detail design completed, resource consent process underway - to be implemented with 19-20 reseal

School zones:

- Tikipunga School, Kamo Intermediate School & Glenbervie School sites to be upgraded. Signs have arrived and installation complete.

Slow Streets:

- Kensington Area – includes traffic islands, signs and markings in Dinniss Ave and Wallace St - contract awarded, construction to commence in February 2020
- Otangarei – includes speed platforms in Jack St; and traffic islands, signs and markings in other Otangarei streets - contract awarded, construction to commence in March 2020
- Avenues; First, Second and Third Avenue between Kauika Rd and Central Ave (2019-21) – design in 19/20 and construct in 20/21

Speed Management:

Formal Consultation has started on the following areas as part of Tranche 1;

- Te Torioa Rd (Legal Unformed Road) Ngunguru, which forms part of the Old Ngunguru Coach Trail.
- Vinegar Hill area
- One Tree Point / Marsden / Ruakaka area
- Waipu area

Submissions are due to close early December, staff will report to Council on our recommendations, taking into account the public's feedback in the New Year.

For Tranche 2 we will focus on Whangarei Heads, the Statement of Proposal will be presented to Council in March/April to enable consultation in April/May.

Tranche 3 will be in mid-late 2020. We will review the Tutukaka Coast (Ngunguru Rd & Russell Rd) and Bream Bay (Cove Rd). These two areas will be reviewed concurrently with Kaipara and Far North to ensure a seamless and coherent approach to both consultation and delivery of speed management.

Walking and Cycling (Shared Paths):

- Kamo Shared Path was formally opened on 25 November 2019. We have submitted a business case with NZTA for funding for Stage 5, additional links to schools and improvements. The decision on additional funding for 2019-20 is due late December.
- City Centre including Onerahi link and improvements to Hatea Loop – this is being led through a combination of 'Blue Green Network', 'Inner City Development Plan', 'complete streets' and 'Speed Limit Reviews'. Over the next 6-12 months we will produce a SSBC to capture the essential aspects of these workstreams into a single programme of work which we can seek Council and NZTA funding for over the next ~5 years.

NZTA Northland Integrated Cycle Network

- NZ Transport Agency, with funding from the Provincial Growth Fund (PGF) has completed a Detailed Business Case for 13 Coastal Trails within Northland. This is one of 6 detailed business cases that the agency received funding to complete in Northland, as part of the Twin Coast Discovery Highway and Byways Programme Business Case. The business case identified the economic potential of these trails and prioritise them for implementation. This will enable the councils to leverage off the business case for future funding opportunities such as PGF. Business Case is complete and has been submitted to the NZTA board for adoption and consideration.
- We are now investigating a few low-cost low-risk options to seek co-funding on.
- We are working on a number of Heartland Ride (on-road trail) applications to realise early some of the benefits of the 'completed' off-road network.
- The Waipu Trail is a piece of this wider network.

Waipu Walk & Cycle Trust

- Stage 2a Cullen Rd to Waipu Cove – Physical works has started, this involves some associated road works to be completed by Council.
- Stage 2b McLean Rd to Cullen Rd – The trust is going to apply for a consent to Whangarei and Regional Council for the trail to follow the estuary. The outcome of this consent will determine which route we implement; follow the estuary or Cove Rd. Noting the estuary option will be cheaper, safer and a better experience, however it may have adverse environmental impacts which need to be considered and mitigated (if possible).
- Stage 3 Riverview Place to Cullen Rd – the outcome of the consent for Stage 2b will also determine this route.

New Footpaths

We have awarded most of the works to Broadspectrum and Downers:

- Paranui Valley Rd - Stage 1 works are complete, balance Stage 2 currently under investigation and design to be completed early 2020. Construction deferred to 20/21.
- Mackesy Road and Konini Street – works to start by Downer March.
- Railway Rd Shared Path (between Okara Dr and Railway Rd carpark) – completed in 2019
- One Tree Point Rd – design 2019/20. Implement 2019-21

- Pipiwai Rd (near sports grounds). Drainage currently under design with construction early 2020.
- Halifax to Town Centre (Waipu) – detailed design almost complete. To be constructed in March 2020
- Albert St (Woods Rd to Clyde St) – works deferred until land ownership is resolved between Council and LINZ.

LED Street Light Conversion

- 1,200 V-Category (arterial road) lights in Whangarei City have arrived on 13 May. Another 360 V-Category lights for rural towns have arrived on 13 December.
- The installation of the V-Category retrofit lights (ie swapping the old light for new LED) being undertaken by Currie Electrical is well underway and is 95% complete. The remaining lights will be replaced early in the new year.
- Tenders are currently being evaluated for the installation of completely new V-Category infill streetlights (ie those requiring new poles). These tenders are expected to be awarded in January. The installation of these lights is expected to commence in late January/early February 2020 and be completed in late 2020.
- We are currently investigating both Auckland Transport's central management system (CMS) and the NB Smart Cities CMS to control the new LED streetlights.

Inner CBD Transport Model

- The optioneering using the Inner CBD Transport Model has been completed and the results of the Complete Streets Masterplan, One-Way System and individual projects have been received. Further modelling in January will refine the preferred package of the projects for both the short and long term.

Whangarei District Road Safety Promotion Report November 2019 (December 2019 to be reported next month)

Road Toll	Total for all 2011	Total for all 2012	Total for all 2013	Total for all 2014	Total for all 2015	Total for all 2016	Total for all 2017	Total for all 2018	End Nov 2018	End Nov 2019	Annual Average 2006/10
Whangarei	1	6	9	10	11	9	14	14	12	10	13
Kaipara	0	4	3	1	2	9	5	5	5	7	4
Far North	6	4	9	7	10	9	22	16	15	11	13
Totals	7	14	21	18	23	27	41	35	32	28	30

SAiD (Stop Alcohol Impaired Driving): 10 completed the November programme: 35 YTD.

Fatigue Stops:

Date	Vehicles	People	Date	Vehicles	People
25.10	85	300	9.04		
20.12			24.04		
27.01			29.05	Rain date	

Key district issues

- Young Drivers
- Alcohol and/or drugs
- Speed
- Rural speed zone loss of control/head on
- Intersections

Parks and Recreation

Operations

Walking Tracks

The renewal of the walking tracks within Mackesy Bush has been completed and they were formally opened with a blessing on 12th December, attended by about 40 people. Plantpro have made a great job both in the design and the build, this being a steep and challenging site in places. Feedback from users has been positive although the climb up from the Ross Track is slightly daunting with 200 steps. Fitness fanatics will enjoy the additional workout. It is hoped that this work will go a long way towards protecting kauri within this block from dieback disease, there being a substantial number of both mature, semi-mature and young ricker trees.

Our network of walking tracks is generally in excellent condition. Extended dry weather can make the surface loose however and more prone to foot erosion.

The walking track between the Whananaki Coastal Walkway and the Capitaine Bougainville Monument has had to be closed. This route was across private land with no legal agreement and with the prospect of development, the access has been removed. Access to the monument is still legally possible from the beach at low tide, it will be necessary to

construct steps however to negotiate the steep slope up to the monument. WDC will negotiate with developers to agree a new access if possible.

Tree Maintenance

A major split has been identified in the huge tree in the CBD Mall outside Michael Hill. This was temporarily braced while investigations were made into how best to manage this tree – now removed.

Coastal Structures

Progress has been made on the scheduled maintenance for 2019/20, the contractor has indicated where the scope of tendered works has changed resulting in only minor increases. Currently the bulk of the works package is programmed to be completed by the end of March 2020.

Sports Fields

Conditions for turf are now extreme and towards the end of December warm season grasses like couch and kikuyu are struggling. While fields with irrigation are not being watered in order to stress undesirable species out of the sward like *Poa annua*, watering will be needed.

Very positive compliments from Northland Cricket over the preparation and management of the oval for the visiting English Cricket team playing New Zealand A at Cobham Oval in early November. Compliments have been received by our contractor about the condition of the club wickets around the city too.

Much of the summer activity on the fields decreased over the Christmas break, and with mowing regimes requiring less input, there has been a chance for contractor staff to have some time off and catch up on some other tasks.

Parks and Gardens

November saw a number of thunder storms that saw the western and southern district get saturated, but the rest on the district, including Whangarei city missed a large majority of the rain. The city only saw 44mm in November and that was followed up with 47mm in December. With average temperatures higher than normal and constant windy days, general conditions are getting very dry.

The coastal runs are very busy during the second half of December, with people on beaches, and freedom campers everywhere. The contractor is increasingly required to work around these people. This year they made a specific attempt to finish maintaining all the coastal site by mid-December, so they didn't have to attempt to do maintenance on the coast on the lead up and during the holiday period.

In early November a large fire destroyed the vegetation on Parihaka. About 4ha of scrub and re-generating bush were burnt by the mountain bike tracks adjacent to Abbey Caves Rd. While the fire did little damage to the tracks in the area, for health and safety reasons, we had to close the track for a week while the fire service dampened down the site. The fire has caused some maintenance headaches and opened up some opportunities. The fire killed the majority of the remaining pine trees (left behind to provide shade for the tracks and suppress weeds). We have had to fell these trees to ensure the tracks are safe to use. The bare ground and clear site has opened up the opportunity to do some replanting next winter. The Mountain Bike Club has expressed an interest in helping with this. However, the regrowth of weeds has been phenomenal, and we will need to carry out weed control over the summer to enable replanting to take place. The Club plans to apply to the Matariki Tu Rakau tree planting fund for a grant to pay for the majority of the new trees.



In Cafler Park we installed 2 Friendship seats. These were donated by the Northland Indian Association. The aim of these seats is to reduce the social isolation that can be common in ethnic groups settling in the area.

Playgrounds and Skate Parks

During November and December, there was a number of vandalism / breakages of play equipment in our playgrounds. At the Town Basin the safety surfacing is starting to break in places. We are trying to do temporary repairs to the matting remains safe until the renewal in 2020.

The new shade sails have been installed at Amber Drive playground that fits the new playground better and will not give kids access onto the sail.

Cemetery

A quiet month with only 10 burials. The cemeteries were all looking great for over the Christmas and New year period thanks to the hard-working cemetery team. Our cadet Rawiri left in December as his term ended. Our newest Cadet has proved to be an outstanding worker, taking to all aspects of the job.

Design work is underway to convert one of the houses at the Maunu cemetery into an office while the other house will be removed to make way for parking. A review is underway on the previous Maunu cemetery master plan. The new master plan will be used to prioritised new projects in the next LTP.

At Maunu, the newest service we now offer has been completed and will be used for the first time on Friday the 17th of January for a burial service. This is an outdoor chapel planted with wisteria, which once grown will look fantastic.

Botanica

December visitor numbers: 2,108

Another great month for the team and lots of visitors, with great comments. We had a few maintenance issues, with burst pipes and old watering systems failing, but these were remedied quickly, and the plants have not suffered. A couple of new fountains have been added to the large pond in the fernery, in an effort to get more water movement and prevent algae build up. As well as been functional, they look and sound great.

We have had a couple of weddings through recently and the local rose club has booked a tour.

With the vacant lot next door soon to be cleared and used for staff and visitor parking, and as there will be room for buses, we will be able to encourage bus loads of visitors in the future.



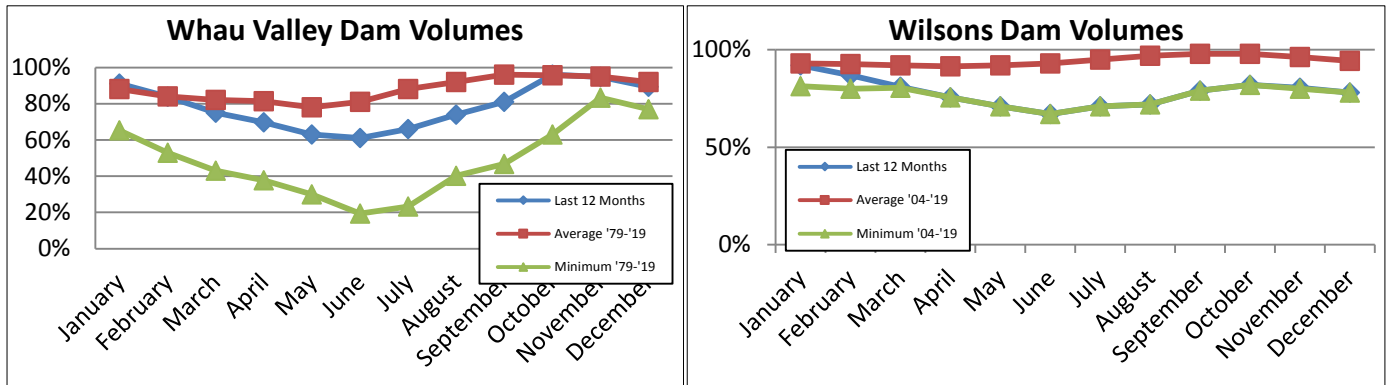
Wisteria Chapel

Water Services

Operations

Rainfall and Water Sources

It's official! 2019 was the driest year since our records began in 1971 and not just by a small amount. We had over 100mm less rainfall than the previous driest year, 1994. For the first time we had less than 1,000mm of rain in a calendar year with only 916mm falling at Whau Valley. This is more than 40% less rain than average or a massive deficit of 675mm for the year. Even less fell at Wilsons Dam which recorded only 840mm. Only one month, October had more than average rainfall at Whau Valley as shown in the graph below. As a consequence, staff have been running the Hatea River and Poroti sources harder than normal to try and save water in the Dam and use river water while it is available. The intensity of the rain at the beginning of October in the City helped to fill the Whau Valley Dam and it now sits at 89% full. This is just below average for the time of year. However, the dry ground and low river levels mean that the dam level will fall fast without rain soon. The lack of rainfall in Bream Bay over the year sees Wilsons Dam continue to be well below average at 78%. This is the 10th consecutive month the Dam has been at a monthly low. As we move into the warmer drier months, we will need to continue maximise our use of river and spring sources while we still can. Already we are seeing levels in the Hatea River and Ruakaka Rivers drop to levels where we are having to limit our takes.



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.

A reticulation water sample taken at Langs Beach showed a disinfection by-product value fractionally over the allowable amount. A second sample taken at the same time was under the allowable amount. Staff will be talking to the drinking water assessors about this result and whether it constitutes a non-compliance. There was also a positive total coliform result at Langs Beach reservoir during December. No e-coli were detected, and chlorine levels were OK so the water was compliant, but the source of the coliforms remain a mystery. The reservoir is going to be thoroughly cleaned as a precaution.

Consents and Compliance - Laboratory Water Quality Tests

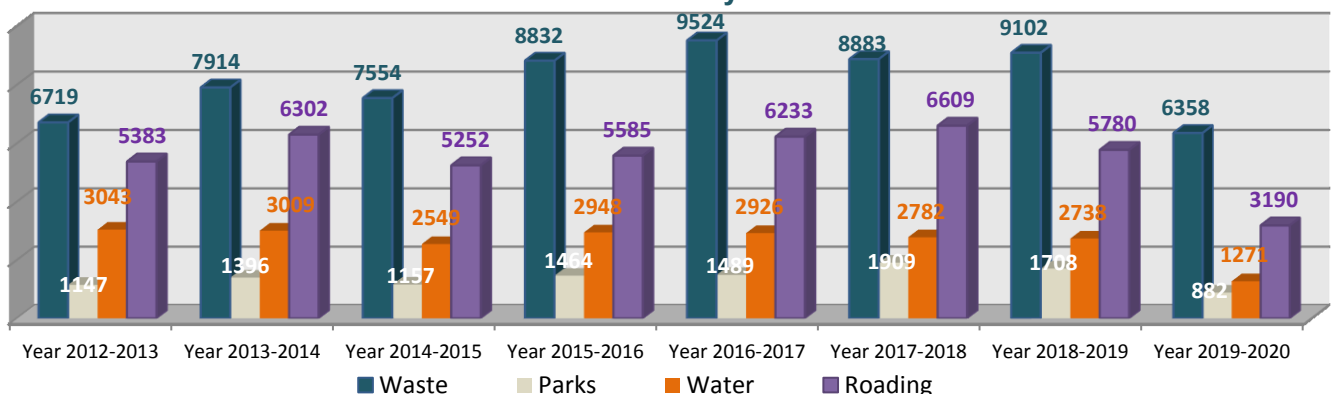
Description	Number of Tests	Failures	Results	Goal	Retest
E. Coli leaving WTP	17	0	100%	100%	N/A
E. Coli within distribution	70	0	100%	100%	N/A
Free Available Chlorine within distribution (above 0.2mg/l)	107	0	100%	95%	N/A

Other works

The algal bloom at Wilsons Dam reduced considerably over the winter. However, it has not disappeared completely with the water temperature in the lake not getting below 13°C. The water temperature is now up to 22 °C. The bloom is now back again although not as bad as last summer. The compressors at both dams are running continuously to ensure the water is well mixed and this appears to be preventing the bloom getting worse but other treatment methods will now need to be considered. Staff have been liaising with the NRC about using diatoms to remove the algae. A resource consent has been obtained and trials are planned for the New Year.

Customer Request Management Services (CRMs)

Total CRMs for the Infrastructure Departments over the last 7 financial years



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.