



**2019-2020  
RIVER MANAGEMENT ACTIVITY GROUP**

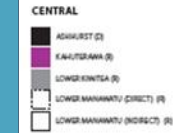
**UPPER WHANGANUI RIVER SCHEME MEETING**

# HORIZONS RIVER MANAGEMENT

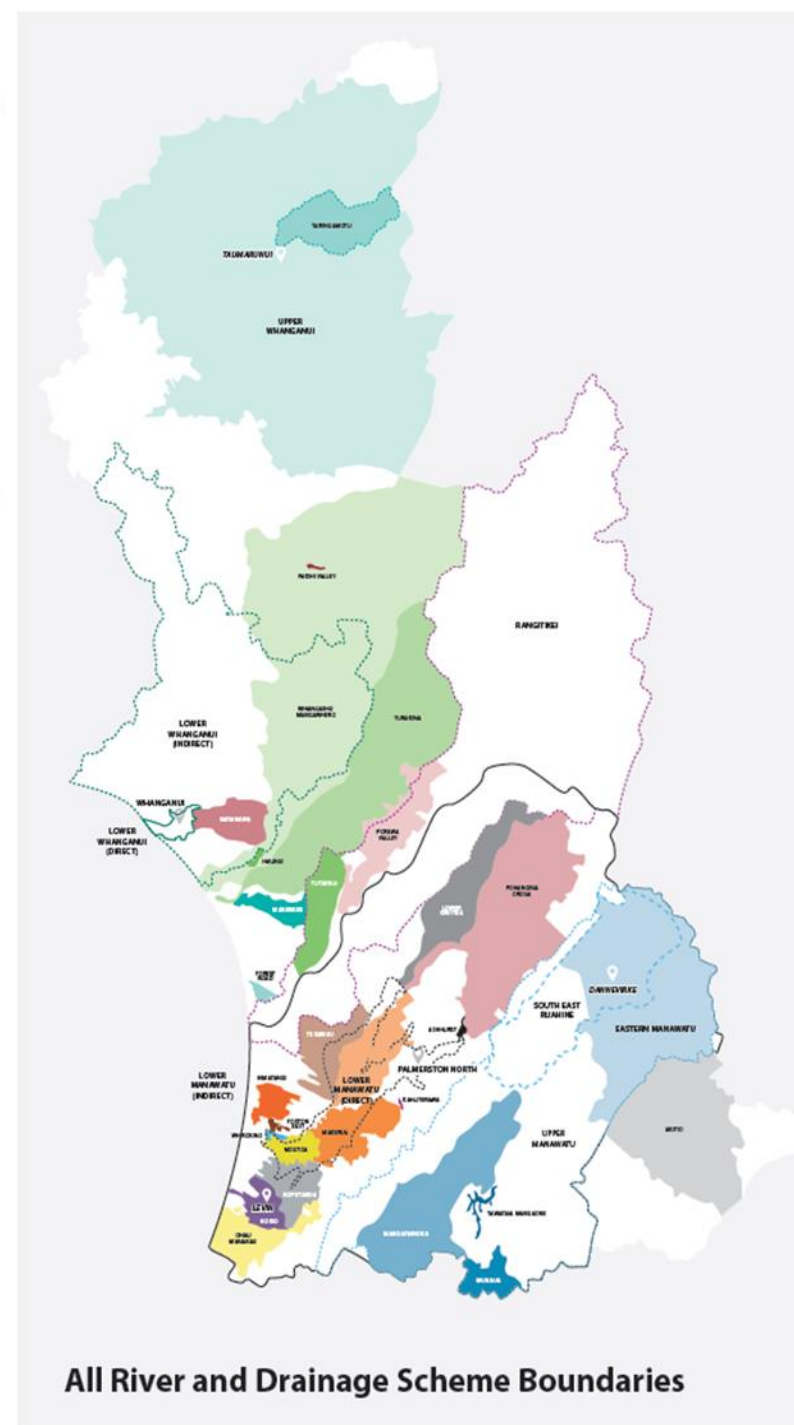
32 staff with a current operating budget of \$11M

34 River and drainage schemes

Providing protection/benefit to 10 urban areas and 75,000 hectares of rural land



(D) Drainage | (R) River



All River and Drainage Scheme Boundaries



1,270km of river channel



1,100km of drain



23 pump stations with a total discharge capacity of 43m<sup>3</sup>/s

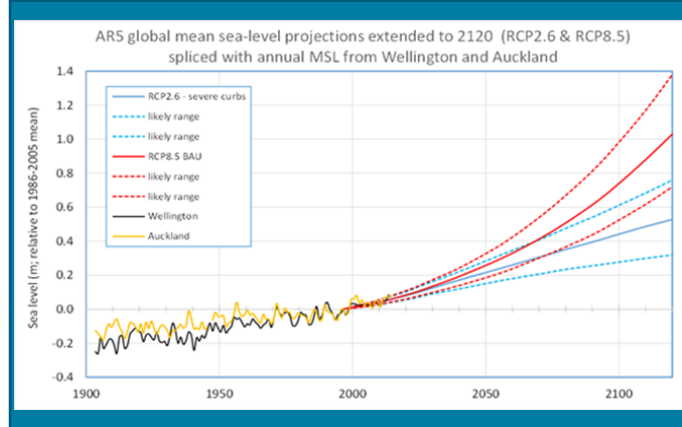


53 detention dams that store 4.3 million cubic metres of floodwater



500km of stopbanks





# SIGNIFICANT RIVER MANAGEMENT ISSUES FOR THE REGION

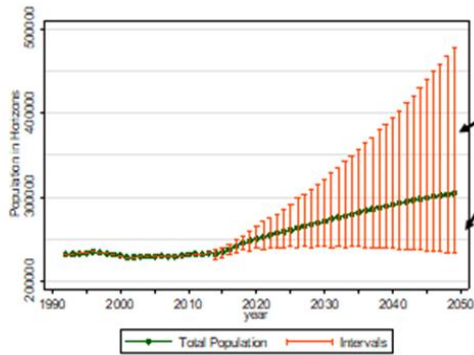
Operational reliability

Sediment build-up reducing flood protection standards

Urban growth

Climate change

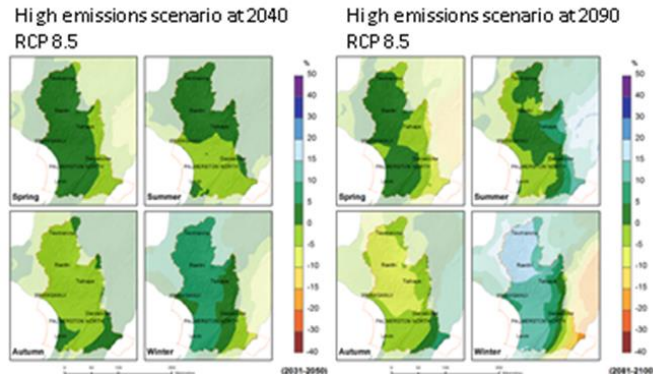
The population within the region is likely to grow to over 300,000 by 2050.



Shows likely upper and lower bounds

Annual growth for 1995-2015 was almost 0%  
For 2015-2048 population projected to grow at an average of 0.9%

## Horizons rainfall projections



horizons.govt.nz

*Annual maximum stage for the past decade*

## Whanganui at Te Maire

Information unavailable

# UPPER WHANGANUI RIVER SCHEME

## Strategic Direction

The focus of the Scheme over the next 3 years is to continue to maintain existing infrastructure and managing edge vegetation to minimize erosion.

## Aim

To maintain a level of service that meets the expectation of the local community for both flood protection and drainage.

## Scheme Level of Service

To ensure assets are managed in a consistent, efficient and sustainable manner.

To manage gravel and maintain a clear and stable channel with a desired alignment minimize lateral erosion.

To contain flood flows not exceeding 1% AEP within stopbanks to protect the urban area of Taumaranui downstream of the SH4 Bridge.



[horizons.govt.nz](https://www.horizons.govt.nz)

# Upper Whanganui River Scheme



## Scheme Facts

### Scheme Assets.

- 14 floodgated structures
- 3.8 km of stopbanks
- 2482 tons rock groynes
- 36,940 tons rock lining
- 0.5km tied trees
- 2ha plantings
- 0.7km drainage channels
- 50m PMU

Total Asset Replacement Value:  
\$5,922,978.52 (July 2019)

# Scheme Funding

## Funding Policy

The Schemes funding comes from three revenue sources:

Targeted Rates – differential targeted rates levied on properties directly benefiting from or causing the need for the work.

General Rates – uniformed rate levied over all properties in the Horizons Region.

Other income – Revenue from lease land, forestry blocks, scheme reserves, gravel extraction, etc. held by the scheme. This is used to reduce the level of the targeted rate



# Key Activities and Issues: 2019-20

## Scheme Expenditure

Expenditure is on track to finish year within budget

## Works Activity

Completed works include the successful layering of willows along a reach of the river upstream of Victory Bridge.

The work still to be carried out includes culvert upgrades on behalf of RuDC. These upgrades will allow for stormwater to be carried from the Tuku Drain, under the road and stopbank, to the Whanganui River. It is expected this work will be completed early 2022.

The repair of bermland on Pungapunga Rd has been completed.

'The Channels' Swim Spot will be upgraded as part of winning the region wide

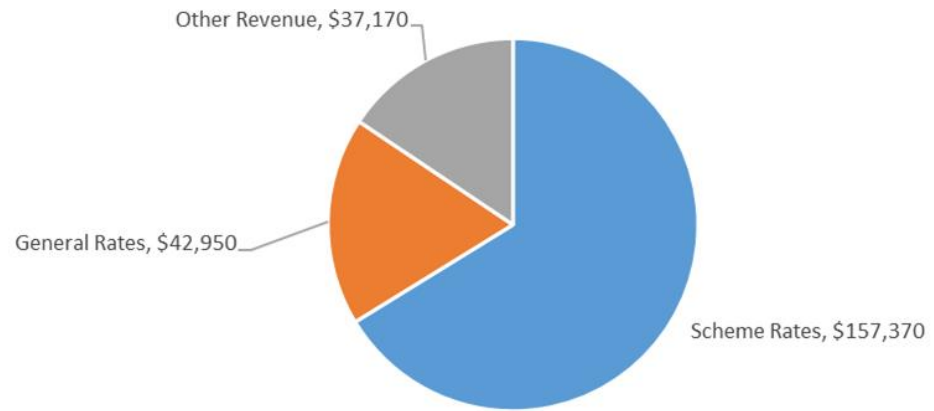
'Spruce up your Swim Spot' competition was transferred to Raetihi following community consultation.



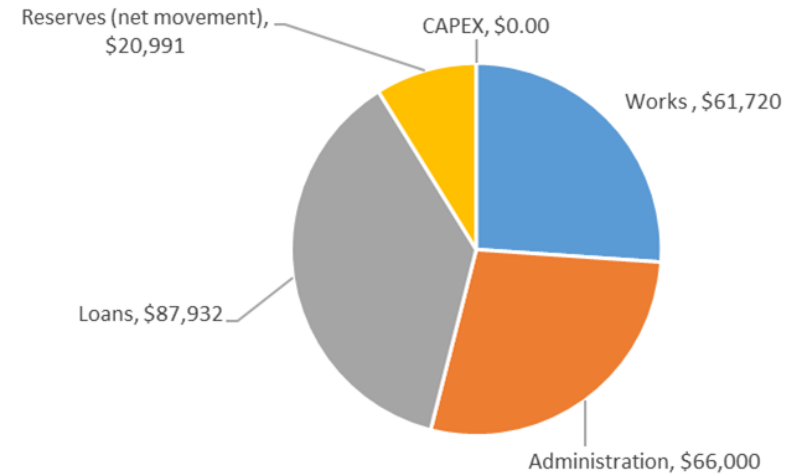
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# Income and Expenditure 2019-20

## Income



## Expenditure



# 2018-19 Works



Manunui – Willow Layering and Clearing



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# 2018-19 Works



Taumarunui – Work Locations along the Whanganui River

# 2018-19 Works



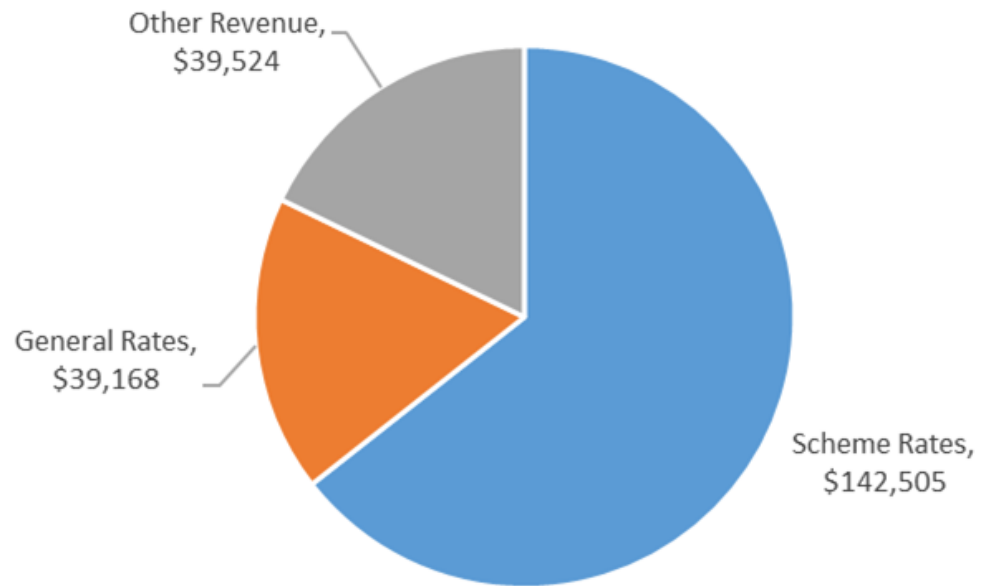
‘The Channels’ – Swim Spot Upgrade Winner



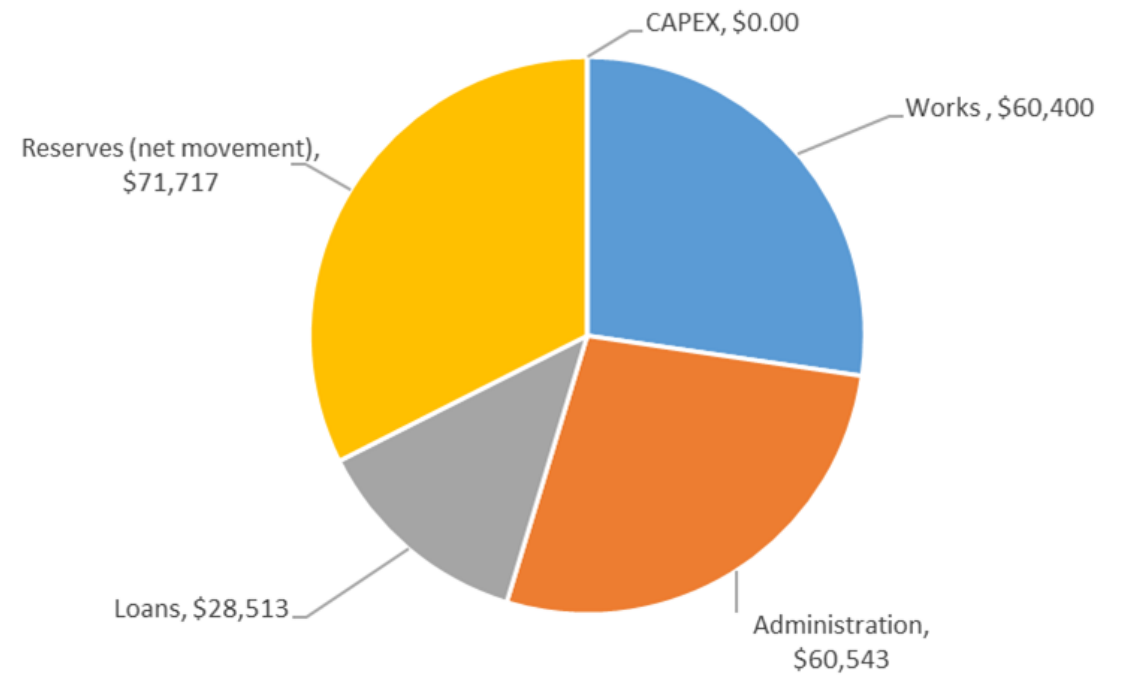
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# Income and Expenditure: 2020-21

## Income 2020/21



## Expenditure 2020/21



# Key Activities and Issues: 2020-21

## Scheme Budget

Scheme Rate decrease of nearly 9%.

## Works Activity

Maintain focus on channel and vegetation maintenance.

Maintain focus on asset maintenance

Continue project work for Ruapehu District Council that includes culvert upgrades through stop banks

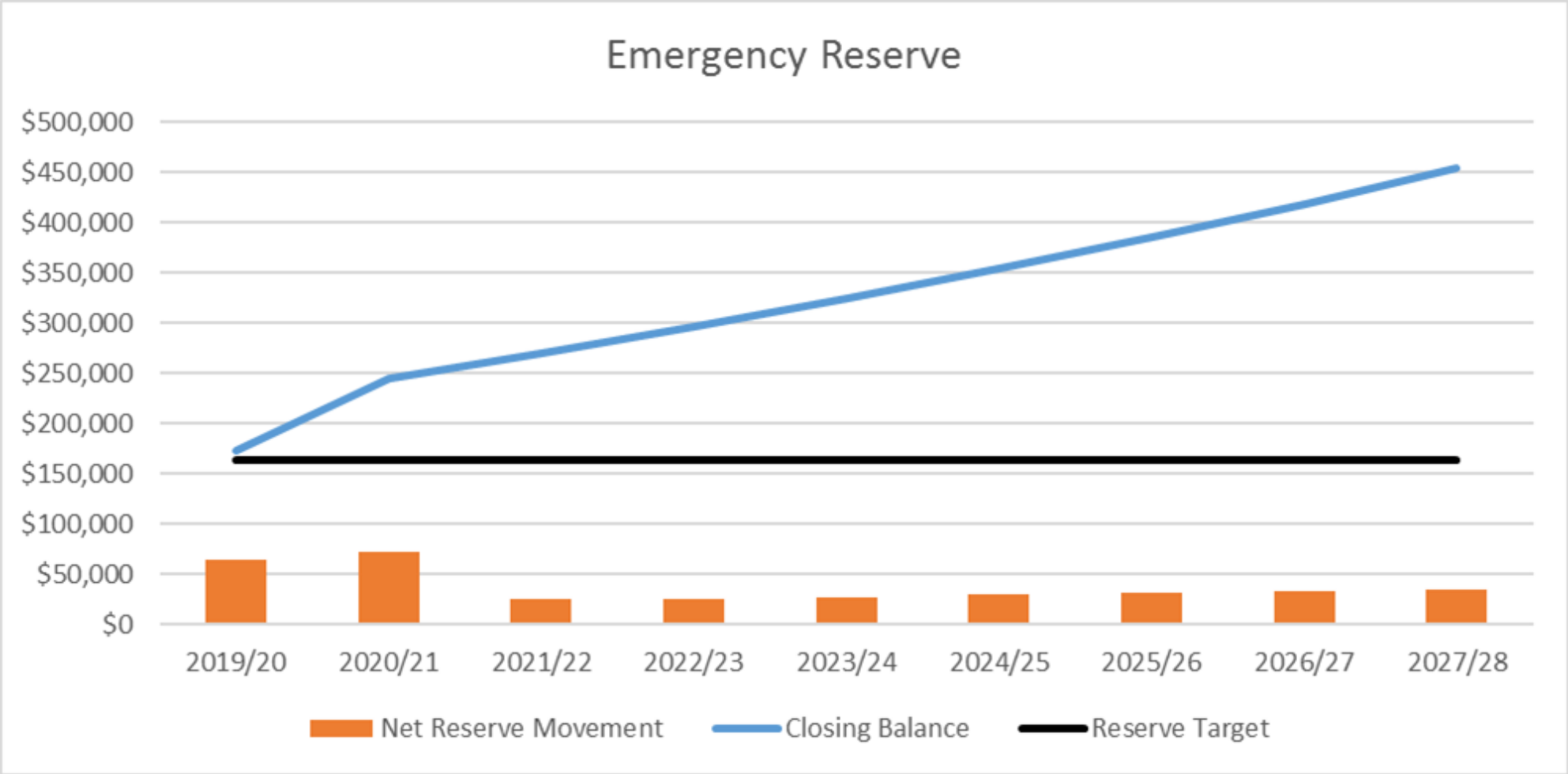
## Scheme Operation and Maintenance Manual

To be produced in 2026-27



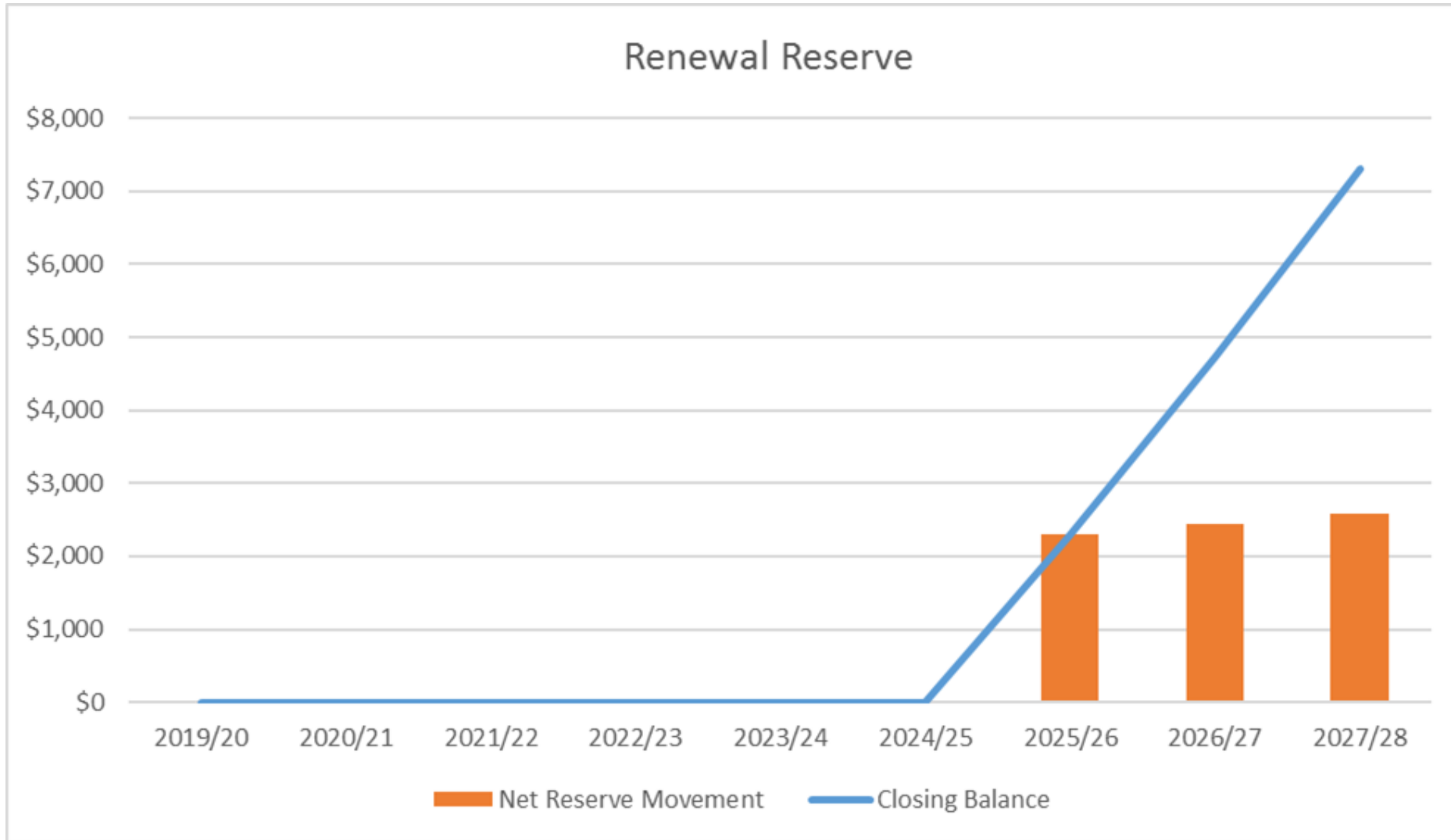
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# Emergency Reserve Balance





# Renewal Reserve Balance



# Loan Account Balances



# Issues Arising

## UPPER WHANGANUI RIVER SCHEME

- |   |  |                           |
|---|--|---------------------------|
| <ul style="list-style-type: none"><li>• Scheme Budget</li></ul> | Reduce budget to \$60,000. Scheme Liaison committee to submit submission to Horizons Regional Council through the Annual Plan Process. | Actioned                  |
| <ul style="list-style-type: none"><li>• Loan</li></ul>          | Reduce Loan principle using scheme surplus funds.  | \$270,000 repaid to loan. |

# The End



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# horizons

REGIONAL COUNCIL



For more information visit [www.horizons.govt.nz](http://www.horizons.govt.nz)  
or freephone Horizons on **0508 800 800**