

Project Cost Allocation Summary

Background

Project No	522/000756	Activity	Water Supply
Project Name	Rapaki Reservoir Renewal		
Project Manager	City Water & Waste		
Year first spend on the project	2006	Project Scope	Replace the existing Rapaki reservoir with a reservoir which can provide Fire Flows.
Year of first cost allocation	2007		
Year of current cost allocation	2007		
Project cost	\$573,050		

Level of Service Definitions

Measure	m3	Primary Driver	Fire Flows, Level of service and Security of Supply
Existing Capacity	50.0		
Existing Demand	205.0		
Total Capacity	250.0	Secondary Driver	Provision of additional capacity for growth
Design Capacity Year	2026		
End of Life Year	2100		
Backlog Capacity	155	Capacity Discussion	Proposed capacity of Rapaki Reservoir, assumed figures based on MWH Rapaki reservoir Location Study. Fire flow 90m3 per day included as backlog.
Growth Capacity	45		
New Work Capacity	200		
% Backlog of New Work	77.5	References	MWH Rapaki reservoir Location Study, Sept 2006
% Growth of New Work	22.5		

Localities:

locality	percentage	comment
Lyttelton	100	

Operations and Maintenance

O&M Cost Share	\$0
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Renewal

Stand Alone Renewal Cost	\$125,000	Renewal Scope	Existing 50m3 Rapaki Res
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New Works

Stand Alone New Works Cost	\$375,000	New Works Scope	Replace existing Rapaki Res with a new 250m3 Res
Renewal Cost Share	\$125,000		
New Work Cost Share	\$375,000		

Preliminary Cost Shares

Backlog Cost Share	\$347,239
Growth Cost Share	\$100,811

Growth project

Stand Alone Growth Cost	\$250,000	Growth Project Scope	Replace existing Rapaki Res with a new 250m3 Res
Growth Cap	\$275,000		

Unallocated costs

Unallocated Cost Share	\$0
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Project funding

External Funding	\$0
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Summary of Cost Allocation

	%	Total Cost	Net Cost
O&M		\$0	\$0
Renewal	21.8%	\$125,000	\$125,000
Backlog	60.6%	\$347,239	\$347,239
Growth	17.6%	\$100,811	\$100,811
Unallocated	0%	\$0	\$0
External Funding			\$0
Project Total	100%	\$573,050	\$573,050