

9.0 FINANCIAL SUMMARY

9.1 Process of Determining Financial Forecast

The provisional 30 year financial forecast for water was determined by identifying new works, and the continuation/evaluation of current maintenance and renewal strategies within each of the components, i.e. reticulation and treatment plants. Changes to the operations (OPEX) and capital projects (CAPEX) expenditure for items within each of the asset types were generally due to maintaining current level of services, legislation (DWSNZ) and increased contract rates.

Level of service consultation carried out in 2016 indicated the community were generally satisfied with Council provision of water services. Further consultation will occur as part of the 2018 – 28 LTP process. Refer to table 9.4 for the 10yr financial forecasts for both OPEX and CAPEX budgets.

Council uses the following strategy:

- assign realistic timing to projects given the resources available under Councils current funding sources and in relation to impacts in other Asset Management Plans.
- optimise timing of projects.
- generate consistent budgeting philosophies across all Council divisions.
- align expenditure with growth predictions.

Consultation on the final 10 year financial forecast has been carried out via the 2015-2025 LTP process.

9.1.1 IMPLICATIONS OF CHANGES BETWEEN DRAFT AND FINAL BUDGETS

The following table outlines the changes between the draft and final budgets and their expected implications.

Project	CAPEX/OPEX	Change from draft version	Implications of change
Rates	OPEX		
Depreciation			
Interest			
Overheads			
Development contributions	OPEX		
Loans	CAPEX		
Reserves			
Capital contributions			
Other income			

Table 9-1: Potential Implications of Final 10 Year Financial Forecast

9.2 Funding of Expenditure

9.2.1 FUNDING STRATEGY

The focus of this AMP is to identify the optimum (lowest lifecycle) cost for water supply and to identify the cost for each asset group necessary to produce the desired level of service. How this cash flow will be funded is outlined in Council's long term financial strategy.

Current funding sources available for water supply include:

- Rates – income generated by the collection of general, separate and differential rates.
- One off capital contribution – contributions made by individual developers for projects that are of particular benefit to them that are being constructed by TDC
- Development Contributions – contributions made by developers under the Local Government Act 2002.
- Private (developer) funded works – projects completely built and funded by developers where ownership is handed over to TDC on completion (vested assets).
- Connection Fees
- Interest on general funds.
- Fees and charges (ref Annual Plan for current Fees & Charges).

9.2.2 ALLOCATION OF FUNDS

The process of allocating funds is generally based on:

- Maintenance and operations are funded from General Rates.
- Renewal works are funded by Depreciation. Depreciation is calculated using either the straight line or the diminishing value method to allocate their cost or revalued amounts, net of their residual values, over their useful lives.
- New Works are funded by either or a combination of Development Contributions, Loans, Individual Contributions (e.g. underground power) and Depreciation (if it has not all been used for Renewal Works).

The funding strategy can be found within the Long Term Plan (LTP).

9.3 Historical and Forecast Expenditure

9.3.1 HISTORICAL EXPENDITURE

Detailed historic expenditure for each asset group is included within the lifecycle section for each water supply scheme. Budgeted Water expenditure for the next 10 and 30 years is summarised on the following pages.

9.3.2 OPEX: OPERATING AND MAINTENANCE EXPENDITURE

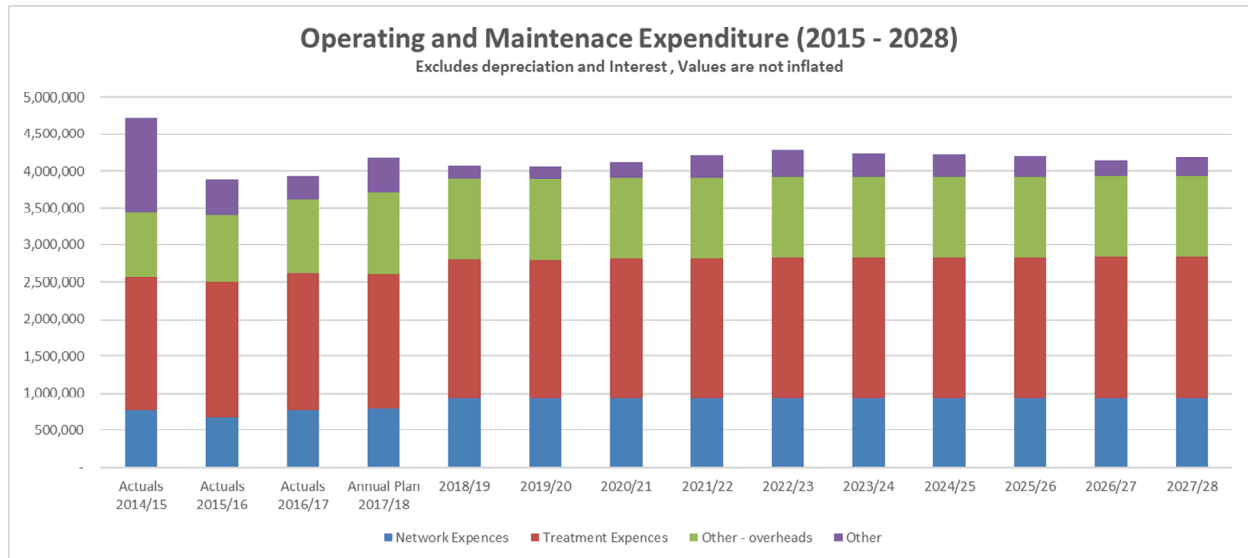


Figure 9-1: Operating and Maintenance Expenditure

Operation and maintenance costs average approximately \$4.1 M/year (uninflated cost). This is about the same as the past preceding years but with a slight increase in network expenses forecast to improve backflow testing and network flushing. The maintenance is carried out by contractors who are appointed in accordance with Council’s procurement policy.

9.3.3 RENEWAL EXPENDITURE

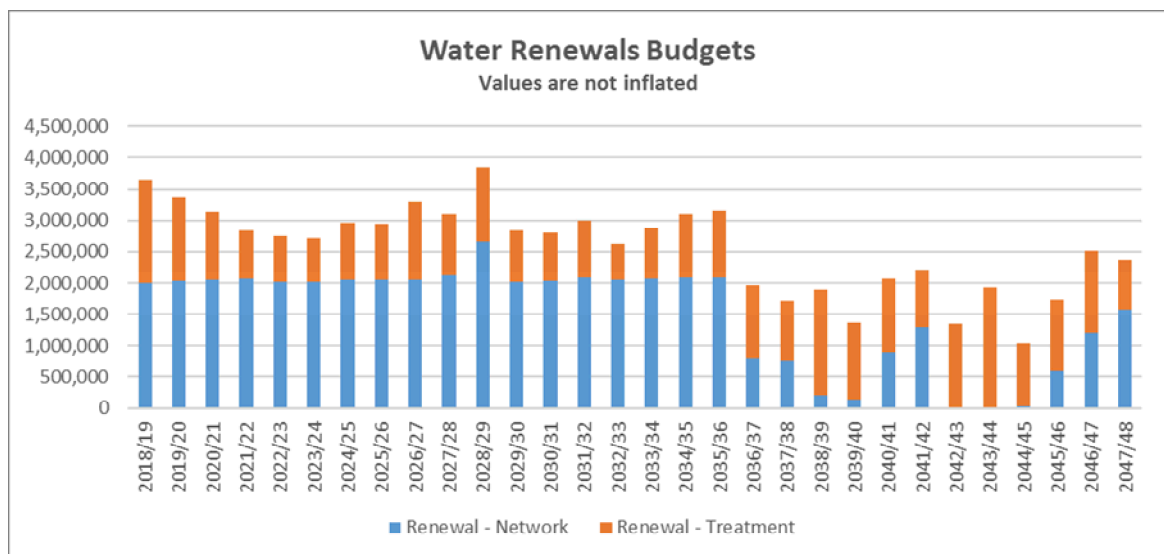


Figure 9-2: Renewals Expenditure

There is significant renewals spending predicted for the next 15 years as AC and galvanized pipework replaced.

Renewals include any items where an existing asset is replaced for example pumps, meters, valves, or filter rehabilitation etc. Renewal costs fluctuate year to year as assets with different expected lives reach the end of their useful lives or condition assessment commands and hence need renewing or replacing.

Generally, the timing of renewal for an asset is based on assessment as the asset is nearing the end of its useful life. Loss in service potential is calculated by straight-line depreciation with the exception of land which is not depreciated. The depreciation rates are applied at a component level and are dependant on the remaining useful life of each component. The total useful lives have been updated and are assumed as follows as per Asset Valuation report (August 2017).

Component	Useful Life (years)
Membranes Filter	7
Water meter	25
Pipe – Asbestos Concrete	60
Pumps	25
Valves	20
Reservoir (Concrete)	100
Reservoir (Timber)	25
Reservoir (steel glass lined)	55
Fibre glass tanks	50
GI pipe	45
Pipe – PVC	90
Pipe – Concrete	90
Control & telemetry Equip/ instruments	15

Table 9-2: Water Asset Useful Lives

A summary of the depreciation of Water assets is presented in the Taupo District Council Annual Report. Renewals for each scheme are included in Appendix A to U.

9.3.4 CAPEX: NEW WORKS EXPENDITURE

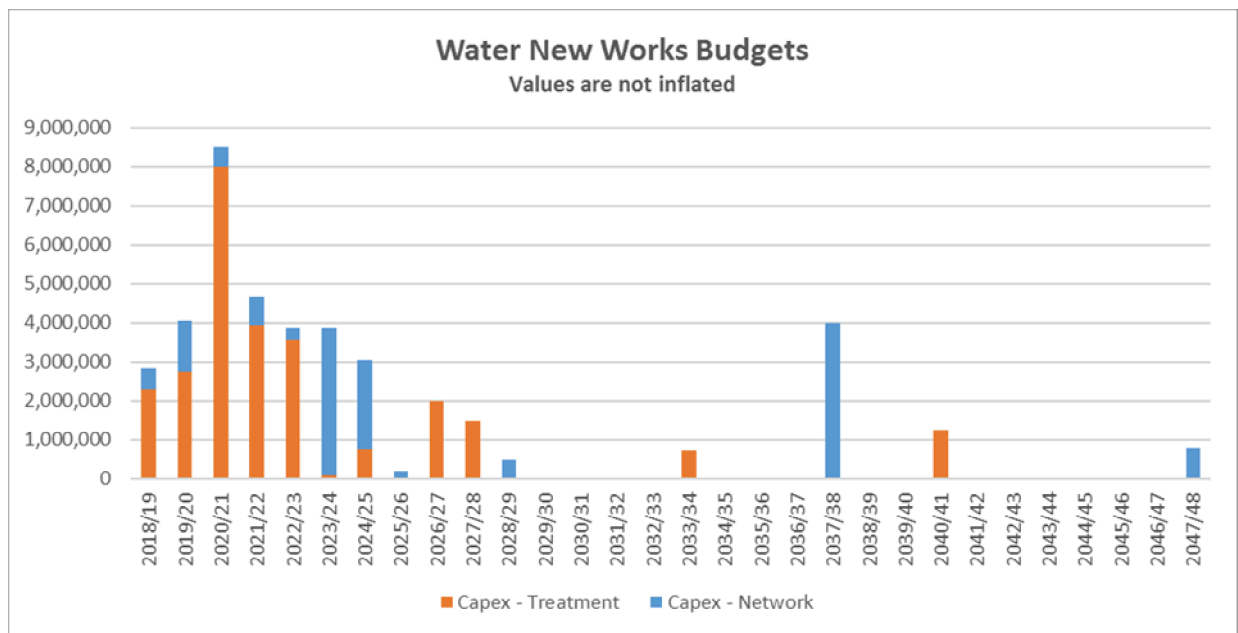


Figure 9-3: New Works Expenditure

New works over the first 10 years are predominantly related to meeting drinking water standards compliance (treatment) and new reservoirs (network). There are fewer capital projects over the next 20 years as growth slows and legislative upgrades are complete.

For a list of new works projects refer to “Table 8.6” in Section 8 and refer to project sheets in Appendix V.

9.3.5 CAPEX: DISPOSAL

The disposal of the Acacia Bay reservoir (Mapara Road pump station site) is expected after 2018.

9.3.6 EXPENDITURE LINKAGES TO LEVEL OF SERVICE

The expenditure link to the levels of service are detailed on the individual project sheets.

9.4 Total Expenditure and Funding

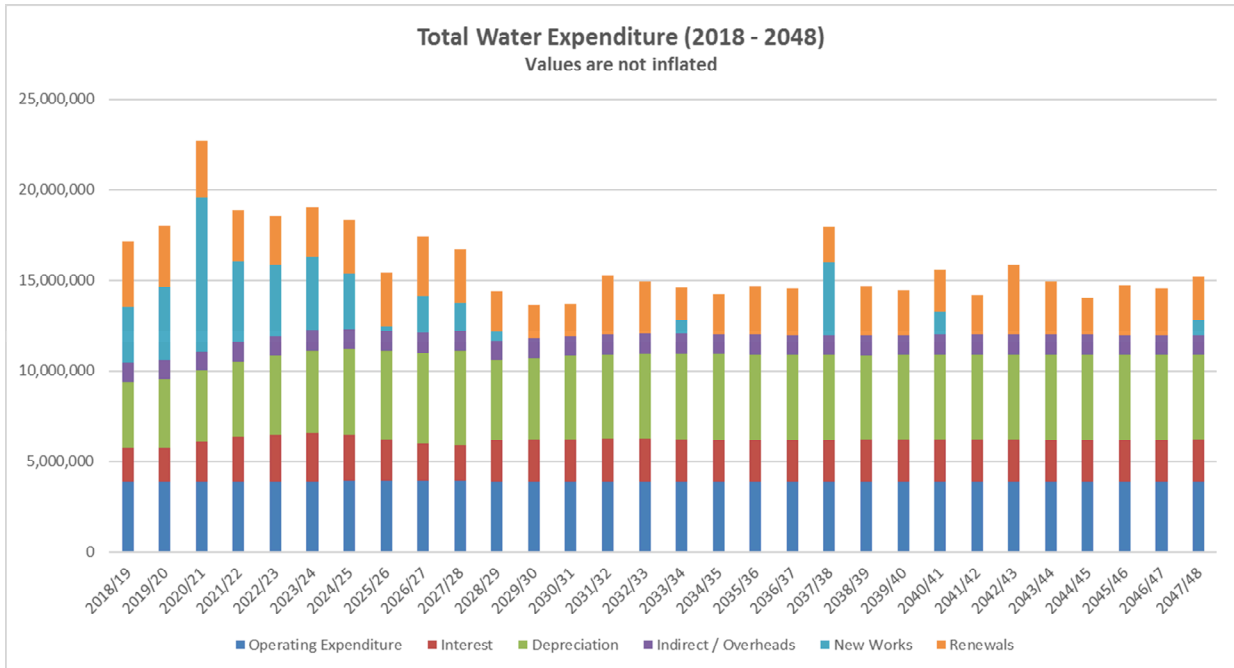


Figure 9-4: Total Expenditure

Overall, the total budget fluctuates depending on the capital projects which are more significant in the first 10 years. Total water expenditure is in the order of \$15 million per year after year 10.

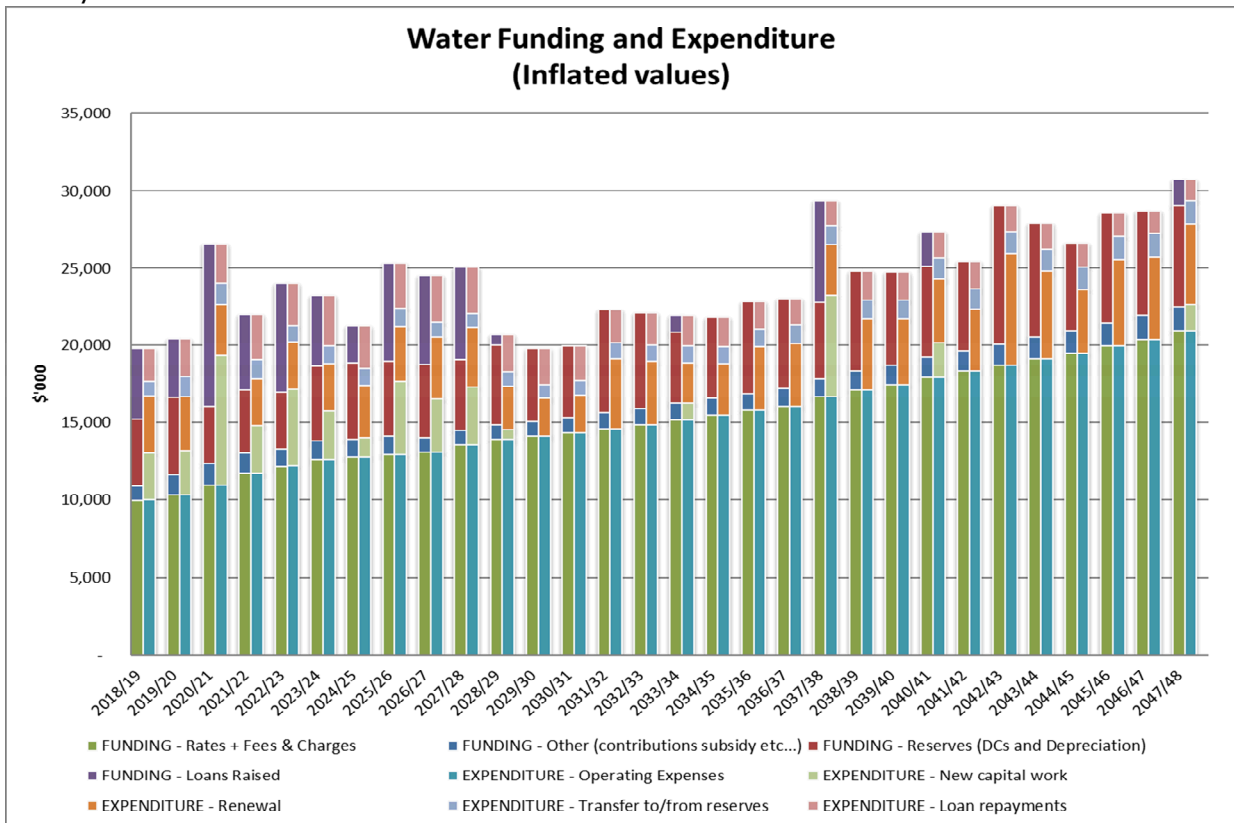


Figure 9-5: Water Funding

Valuation of Water Assets

Water assets provide a continuing service to the community and are not generally regarded as tradable. The cost to replace an asset with the Modern Equivalent Asset (MEA) is used as a basis to determine replacement value. This AMP uses the latest asset valuations undertaken in August 2013 as a based and adjusts these for time. Revaluation is due in the second half of 2015.

Refer to Section 4 (Asset Data), for a summary of the valuation of Water assets. A full valuation report is available on request.

9.5 Financial Assumptions

The following financial assumptions have been made. Further information can be found in the LTP document.

- Asset valuation are as at August 2017 have been used as the basis for asset values.
- The revenue received from Rates meets the expectation.
- Development Contributions Income is assumed to eventuate as predicted.
- Investment Returns eventuate as predicted.
- Interest Rate on borrowings remains as predicted within the financial model.
- Expenditure of capital projects occurs and estimated debt levels are as predicted.
- No allowance has been made for inflation adjustment within this AMP. The source of funds for the future replacement of significant assets is stated in the revenue and Financing Policy.
- The useful lives of significant assets are as per the accounting policies documented in the LTP. Depreciation is charged at 50% for the first year and 100% in subsequent years.

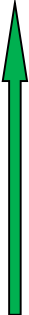
9.6 Financial Confidence Levels

The confidence in the asset data used as a basis for the financial forecasts has been assessed using the following grading system from the International Infrastructure Management Manual – Australia/New Zealand Edition, 2011.

Confidence Grade	General Meaning
A	Highly reliable. Data based on sound records, procedure, investigation and analysis, documented properly and recognised as the best method of assessment
B	Reliable. Data based on sound records, procedures, investigation and analysis, documented properly but has minor shortcomings, for example the data are old, some documentation is missing, and reliance is placed on unconfirmed reports or some extrapolation.
C	Uncertain Data based on sound records, procedure, investigation and analysis which is incomplete or unsupported, or extrapolated from a limited sample for which grade A or B data are available
D	Very Uncertain. Data based on unconfirmed verbal reports and/or cursory inspection and analysis.

Table 9-3: Confidence Grading Table

The confidence level is B+ overall. The financial cost within the first 3 years is seen as reliable with reliability decreasing with time. Also reliability depends on the phase of project with reliability increasing as project moves from scoping to construction.

Construction	Increasing  reliability
Design	
Investigation	
Scoping	

Financial Table 2018 - 2033	2018/19	2019/20	2020/21	2021/22	2022/23	2023/24	2024/25	2025/26	2026/27	2027/28	2028/29	2029/30	2030/31	2031/32	2032/33
Operating Income															
General rates	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Targeted rates	-9,856	-10,221	-10,875	-11,640	-12,074	-12,527	-12,659	-12,822	-12,977	-13,452	-13,761	-13,986	-14,211	-14,447	-14,696
Capital subsidies	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Development and/or financial contributions	-484	-733	-771	-671	-609	-627	-609	-603	-475	-469	-482	-496	-510	-524	-539
Vested assets	-497	-607	-625	-597	-494	-523	-519	-585	-435	-433	-445	-458	-471	-484	-497
Fees and charges	-111	-114	-116	-119	-122	-125	-128	-132	-135	-139	-143	-147	-151	-155	-160
Total Income	-10,947	-11,675	-12,387	-13,026	-13,298	-13,802	-13,915	-14,143	-14,022	-14,494	-14,832	-15,087	-15,343	-15,610	-15,891
Operating Expenses															
Network Expenses	927	950	972	996	1,020	1,045	1,072	1,099	1,129	1,162	1,194	1,227	1,262	1,297	1,334
Treatment Expenses	1,879	1,913	1,985	2,027	2,086	2,140	2,201	2,257	2,325	2,392	2,440	2,511	2,585	2,658	2,735
Other Operating expenses	166	180	210	320	394	357	350	326	252	319	328	337	346	356	366
Interest	1,961	2,038	2,294	2,610	2,699	2,820	2,703	2,574	2,480	2,581	2,591	2,501	2,401	2,305	2,213
Depreciation	3,679	3,835	4,040	4,266	4,449	4,656	4,829	5,012	5,200	5,397	5,563	5,718	5,878	6,042	6,211
Overheads	1,385	1,418	1,489	1,557	1,592	1,631	1,652	1,682	1,722	1,740	1,788	1,839	1,890	1,943	1,997
Total Expenses	9,997	10,335	10,991	11,775	12,240	12,649	12,807	12,951	13,109	13,591	13,904	14,133	14,362	14,602	14,855
Net Deficit (Surplus) of Operations	-950	-1,341	-1,396	-1,252	-1,059	-1,153	-1,108	-1,192	-913	-903	-928	-954	-980	-1,008	-1,036
Funded by:															
Operating deficit (surplus) from/to reserves	-454	-733	-771	-655	-565	-627	-586	-603	-475	-469	-482	-496	-510	-524	-539
Recognition of vested assets	-497	-607	-625	-597	-494	-523	-519	-585	-435	-433	-445	-458	-471	-484	-497
Depreciation not funded	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Funding	-950	-1,341	-1,396	-1,252	-1,059	-1,150	-1,105	-1,188	-910	-903	-928	-954	-980	-1,008	-1,036
Renewals															
Network Renewals	2,000	2,050	2,098	2,148	2,200	2,254	2,312	2,372	2,436	2,569	1,288	1,324	1,361	3,218	3,309
Treatment Renewals	1,651	1,402	1,192	901	819	804	1,100	1,120	1,585	1,221	1,529	1,100	1,063	1,319	829
Total Renewals	3,651	3,452	3,290	3,049	3,019	3,058	3,412	3,492	4,021	3,790	2,817	2,424	2,424	4,537	4,138
CAPEX															
Network New Capital															
Taupo water Brentwood reservoir - land purchase	0	0	0	0	0	564	0	0	0	0	0	0	0	0	0
Taupo water Poihipi reservoir	0	0	0	0	0	0	347	4,507	0	0	0	0	0	0	0
Taupo water Poihipi reservoir - land purchase	0	0	0	537	0	0	0	0	0	0	0	0	0	0	0

Financial Table 2018 - 2033	2018/19	2019/20	2020/21	2021/22	2022/23	2023/24	2024/25	2025/26	2026/27	2027/28	2028/29	2029/30	2030/31	2031/32	2032/33
Taupo water Tamatea reservoir burst control valve	75	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Taupo water Tauhara reservoir burst control valve	75	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Taupo water Tauhara Ridge Falling main to WEL	0	0	0	816	0	0	0	0	0	0	0	0	0	0	0
Taupo water Tauhara Ridge reservoir - land purchase	0	0	0	0	0	0	0	0	609	0	0	0	0	0	0
Taupo water Tauhara Ridge reservoir	0	0	0	0	0	0	0	0	2,192	0	0	0	0	0	0
Taupo water Titoki reservoir burst control valve	75	0	0	0	0	0	0	0	0	0	0	0	0	0	0
River Road water additional storage tank	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mapara water pump station capacity increase	0	0	0	0	0	0	0	18	0	0	0	0	0	0	0
Mapara water upgrade of Blue ridge rising main	0	0	0	0	0	0	0	237	0	0	0	0	0	0	0
Taupo water reticulation of Five Mile Bay	0	21	504	0	0	0	0	0	0	0	0	0	0	0	0
Whakamaru water Forest View Road water main	0	0	0	0	0	197	0	0	0	0	0	0	0	0	0
Taupo water Napier Road reservoir	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Taupo water Brentwood reservoir	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kinloch Loacheagles reservoir	500	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Taupo water Napier Road reservoir - Land purchase	0	0	0	0	0	0	0	0	0	0	644	0	0	0	0
Total Network Capital	745	21	504	1,353	0	761	347	4,762	2,801	0	644	0	0	0	0
Treatment New Capital															
Taupo water Taupo WTP capacity upgrade to 30 MLD	1,750	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Acacia Bay water DWSNZ Upgrade	300	2,153	2,203	0	0	0	0	0	0	0	0	0	0	0	0
Kinloch water DWSNZ upgrade	150	423	5,672	999	539	0	0	0	0	0	0	0	0	0	0
River Road water DWSNZ upgrade	0	0	0	27	275	0	0	0	0	0	0	0	0	0	0

Financial Table 2018 - 2033	2018/19	2019/20	2020/21	2021/22	2022/23	2023/24	2024/25	2025/26	2026/27	2027/28	2028/29	2029/30	2030/31	2031/32	2032/33
Whakamoenga Pt water DWSNZ upgrade	0	0	0	0	0	0	0	0	609	0	0	0	0	0	0
Bonshaw Park water DWSNZ Upgrade	0	0	0	0	0	0	0	0	0	1,880	0	0	0	0	0
Waihaha water DWSNZ upgrade	0	0	0	0	0	28	289	0	0	0	0	0	0	0	0
Tirohanga water DWSNZ upgrade	0	0	0	0	0	28	289	0	0	0	0	0	0	0	0
Tirohanga water intake structure improvements	75	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Whakamaru water DWSNZ upgrade	0	0	0	27	275	0	0	0	0	0	0	0	0	0	0
Motuoapa water DWSNZ upgrade	0	0	0	0	220	2,254	0	0	0	0	0	0	0	0	0
Omori water DWSNZ upgrade	0	0	0	537	2,970	0	0	0	0	0	0	0	0	0	0
Omori water pretreatment	50	256	0	0	0	0	0	0	0	0	0	0	0	0	0
Whareroa water DWSNZ upgrade	0	0	0	0	0	28	289	0	0	0	0	0	0	0	0
Hatepe water DWSNZ Upgrade	0	0	0	54	660	0	0	0	0	0	0	0	0	0	0
Districtwide water IT Server purchase	0	0	0	16	0	0	0	0	0	0	0	0	0	0	0
Rakaunui Rd water DWSNZ Upgrade	0	0	0	0	0	0	0	0	0	1,880	0	0	0	0	0
Taupo water Taupo WTP capacity upgrade to 35 MLD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Treatment New Capital	2,325	2,832	7,875	1,659	4,939	2,339	867	0	609	3,759	0	0	0	0	0
Total New Capital	3,070	2,853	8,378	3,013	4,939	3,099	1,214	4,762	3,410	3,759	644	0	0	0	0
Total Capex & Renewals	6,721	6,305	11,668	6,062	7,958	6,157	4,626	8,254	7,431	7,549	3,461	2,424	2,424	4,537	4,138
Funded by:															
Loans Raised	4,595	3,834	10,490	4,847	7,077	4,593	2,366	6,341	5,733	5,951	644	0	0	0	0
Loan Repayments	-2,160	-2,462	-2,488	-2,896	-2,799	-3,297	-2,724	-2,932	-3,079	-3,002	-2,374	-2,304	-2,212	-2,124	-2,039
Other Subsidy	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Transfer from reserve(s)	4,287	4,933	3,665	4,111	3,679	4,861	4,985	4,844	4,777	4,600	5,191	4,729	4,636	6,661	6,177
Total Funding	6,721	6,305	11,668	6,062	7,958	6,157	4,626	8,254	7,431	7,549	3,461	2,424	2,424	4,537	4,138

Financial Table 2033 - 2048	2033/34	2034/35	2035/36	2036/37	2037/38	2038/39	2039/40	2040/41	2041/42	2042/43	2043/44	2044/45	2045/46	2046/47	2047/48
Operating Income															
General rates	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Targeted rates	-15,005	-15,302	-15,587	-15,886	-16,491	-16,957	-17,288	-17,732	-18,140	-18,511	-18,897	-19,299	-19,718	-20,152	-20,681
Capital subsidies	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Development and/or financial contributions	-554	-569	-585	-602	-619	-636	-654	-672	-691	-710	-730	-750	-771	-793	-815
Vested assets	-511	-526	-540	-555	-571	-587	-603	-620	-638	-656	-674	-693	-712	-732	-753
Fees and charges	-164	-169	-173	-178	-183	-188	-194	-199	-205	-210	-216	-222	-229	-235	-242
Total Income	-16,234	-16,566	-16,886	-17,222	-17,864	-18,368	-18,738	-19,224	-19,673	-20,087	-20,518	-20,965	-21,430	-21,912	-22,490
Operating Expenses															
Network Expenses	1,371	1,409	1,449	1,489	1,531	1,574	1,618	1,663	1,710	1,758	1,807	1,857	1,909	1,963	2,018
Treatment Expenses	2,812	2,891	2,972	3,055	3,139	3,225	3,316	3,410	3,506	3,604	3,705	3,809	3,915	4,025	4,137
Other Operating expenses	376	387	398	409	420	432	444	457	469	482	496	510	524	539	554
Interest	2,148	2,086	2,003	1,923	1,992	2,059	1,976	1,947	1,919	1,842	1,768	1,698	1,630	1,565	1,541
Depreciation	6,408	6,587	6,770	6,959	7,299	7,498	7,703	7,963	8,180	8,402	8,631	8,866	9,108	9,356	9,650
Overheads	2,053	2,111	2,170	2,231	2,293	2,357	2,423	2,491	2,561	2,633	2,706	2,782	2,860	2,940	3,022
Total Expenses	15,169	15,471	15,761	16,065	16,674	17,146	17,481	17,931	18,345	18,721	19,114	19,522	19,946	20,387	20,922
Net Deficit (Surplus) of Operations	-1,065	-1,095	-1,126	-1,157	-1,190	-1,223	-1,257	-1,292	-1,329	-1,366	-1,404	-1,443	-1,484	-1,525	-1,568
Funded by:															
Operating deficit (surplus) from/to reserves	-554	-569	-585	-602	-619	-636	-654	-672	-691	-710	-730	-750	-771	-793	-815
Recognition of vested assets	-511	-526	-540	-555	-571	-587	-603	-620	-638	-656	-674	-693	-712	-732	-753
Depreciation not funded	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Funding	-1,065	-1,095	-1,126	-1,157	-1,190	-1,223	-1,257	-1,292	-1,329	-1,366	-1,404	-1,443	-1,484	-1,525	-1,568
Renewals															
Network Renewals	1,479	1,748	2,344	1,607	1,652	1,698	1,867	1,794	1,844	4,740	1,949	2,004	2,884	2,117	2,830
Treatment Renewals	1,173	1,597	1,800	2,467	1,570	2,862	2,352	2,351	2,135	2,494	3,751	2,087	2,718	3,202	2,318
Total Renewals	2,651	3,346	4,144	4,073	3,221	4,560	4,219	4,145	3,980	7,234	5,700	4,091	5,602	5,320	5,147
CAPEX															
Network New Capital															
Taupo water Brentwood reservoir - land purchase	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Taupo water Poihipi reservoir	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Taupo water Poihipi reservoir - land purchase	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Financial Table 2033 - 2048	2033/34	2034/35	2035/36	2036/37	2037/38	2038/39	2039/40	2040/41	2041/42	2042/43	2043/44	2044/45	2045/46	2046/47	2047/48
Taupo water Tamatea reservoir burst control valve	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Taupo water Tauhara reservoir burst control valve	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Taupo water Tauhara Ridge Falling main to WEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Taupo water Tauhara Ridge reservoir - land purchase	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Taupo water Tauhara Ridge reservoir	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Taupo water Titoki reservoir burst control valve	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
River Road water additional storage tank	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mapara water pump station capacity increase	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mapara water upgrade of Blue ridge rising main	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Taupo water reticulation of Five Mile Bay	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Whakamaru water Forest View Road water main	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Taupo water Napier Road reservoir	0	0	0	0	6,606	0	0	0	0	0	0	0	0	0	0
Taupo water Brentwood reservoir	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,741
Kinloch Loacheagles reservoir	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Taupo water Napier Road reservoir - Land purchase	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Network Capital	0	0	0	0	6,606	0	0	0	0	0	0	0	0	0	1,741
Treatment New Capital															
Taupo water Taupo WTP capacity upgrade to 30 MLD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Acacia Bay water DWSNZ Upgrade	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kinloch water DWSNZ upgrade	1,080	0	0	0	0	0	0	0	0	0	0	0	0	0	0
River Road water DWSNZ upgrade	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Financial Table 2033 - 2048	2033/34	2034/35	2035/36	2036/37	2037/38	2038/39	2039/40	2040/41	2041/42	2042/43	2043/44	2044/45	2045/46	2046/47	2047/48
Whakamoenga Pt water DWSNZ upgrade	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bonshaw Park water DWSNZ Upgrade	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Waihaha water DWSNZ upgrade	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tirohanga water DWSNZ upgrade	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tirohanga water intake structure improvements	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Whakamaru water DWSNZ upgrade	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Motuoapa water DWSNZ upgrade	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Omori water DWSNZ upgrade	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Omori water pretreatment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Whareroa water DWSNZ upgrade	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hatepe water DWSNZ Upgrade	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Districtwide water IT Server purchase	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rakaunui Rd water DWSNZ Upgrade	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Taupo water Taupo WTP capacity upgrade to 35 MLD	0	0	0	0	0	0	0	2,243	0	0	0	0	0	0	0
Total Treatment New Capital	1,080	0	0	0	0	0	0	2,243	0	0	0	0	0	0	0
Total New Capital	1,080	0	0	0	6,606	0	0	2,243	0	0	0	0	0	0	1,741
Total Capex & Renewals	3,731	3,346	4,144	4,073	9,827	4,560	4,219	6,388	3,980	7,234	5,700	4,091	5,602	5,320	6,889
Funded by:															
Loans Raised	1,080	0	0	0	6,606	0	0	2,243	0	0	0	0	0	0	1,741
Loan Repayments	-1,957	-1,922	-1,845	-1,771	-1,701	-1,897	-1,821	-1,748	-1,768	-1,697	-1,629	-1,564	-1,502	-1,442	-1,384
Other Subsidy	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Transfer from reserve(s)	4,609	5,268	5,989	5,845	4,922	6,457	6,040	5,893	5,748	8,931	7,329	5,655	7,104	6,761	6,531
Total Funding	3,731	3,346	4,144	4,073	9,827	4,560	4,219	6,388	3,980	7,234	5,700	4,091	5,602	5,320	6,889

Table 9-4: Financial Table for the 30 Years 2018-2048