

Bogan Shire Council

Water Supply and Sewerage Business: Financial Plan

Version 1.1

March 2017





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Executive Summary

This Financial Plan documents the outcomes of financial modelling of Bogan Shire Council's water supply and sewerage 30 year capital works plans using the FINMOD software. It is compliant with the financial planning section of the Department of Primary Industries, Office of Water: "Water Supply and Sewerage Strategic Business Planning and Financial Planning Checklist – July 2014". It includes all foreseeable costs and income and achieves the lowest uniform level of stable typical residential bill to meet the levels of service required.

For the **Water Supply Fund**, Council has developed a comprehensive 30 capital works plan that meets the renewal needs of water assets. Council will renew critical elements of its water treatment plant over the next three years, which will extend the life of the plant. Structural replacement of the plant is planned in 20 years' time (2037). The capital works plan also includes a 700ML storage to improve water security, which is fully grant funded.

The typical residential bill (TRB) for water fund is currently \$1,169 per year, one of the highest in NSW. Financial modelling indicates that the tariffs can be held at their current value, allowing inflation to discount its future value.

There are a number of assumptions made in the water financial plan, including the growth rate, accounting for renewals, accounting for residential and non-residential income, and cost attribution (noting that Bogan Shire Council is responsible for only 32% of the ongoing cost of water security infrastructure).

This financial plan also assesses the impact of proposed water security infrastructure, which is documented in the Nyngan Cobar Water Security Business Case Version 2. The priority for the infrastructure aligns with Council's resolution of 27 September 2016. A summary of the various scenarios tested and the impact on the TRB are as follows:

| Financial Modelling Scenario | Description | Median TRB (2016/17 dollars) |
|------------------------------------|---|---------------------------------|
| A | Water Capex 2016 base case including Storage 1a | \$1,004 |
| В | Scenario A + Storage 1b | \$1,030 |
| С | Scenario B + Storage 1c | \$1,083 |
| D | Scenario B + APC Pipeline | \$1,125 |
| Е | Scenario C + APC Pipeline + Borefield Investigation | \$1,169 |

The water security infrastructure imposes additional operation, maintenance and depreciation costs, which are 32% attributable to Bogan Shire Council. If the full range of water security infrastructure is constructed, the current TRB can be maintained in real terms – i.e. only inflation-based increases are required.

For the **Sewerage Fund,** Council has developed a comprehensive 30 capital works plan that meets the renewal needs of sewer assets. Council is in the fortunate position that many assets were renewed following the 1990 flood, and major renewal expenditure is not forecast during the life of the plan.

Currently, the typical residential bill for sewer fund is \$602 per year. Financial modelling indicates that the tariffs can be held at their current value, allowing inflation to discount its future value.

Both the water and sewerage businesses are capable of funding the new and replacement assets needed to provide the current level of service to its customers and the broader community. Council will undertake periodic reviews of the Financial Plan, noting the assumptions upon which the financial modelling is base. In particular, the timing and cost of water fund capital works will be reviewed as progress is made in constructing the water security infrastructure.

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1 Introduction

1.1 Purpose of Report

This document provides a financial strategy for Council's water supply and sewerage business to achieve long term financial sustainability, and complies with the NSW DPI Water July 2014 checklist for the preparation of a Financial Plan.

Section 2 contains a review of the renewal needs and capital works planning for Bogan Shire Council's water and sewerage businesses. Section 3 contains the Financial Plan. Appendix A contains the checklist and demonstrates compliance with the requirements for a Financial Plan.

The plan also analyses the impact of proposed water security infrastructure as proposed in "Nyngan and Cobar Water Security Project: Business Case Version 2" (February 2017).

1.2 Acknowledgements

This Financial Plan has been prepared by Mike Brearley, Jacqui Hansen and Mike Cuthbert of Brearley and Hansen, and MC Environmental Consulting. The development of this plan has relied on the invaluable input of the staff of Bogan Shire Council, particularly Graeme Bourke, Jayantha Ediriweera and Trevor Waterhouse.

1.3 Disclaimer

This document has been prepared for a particular purpose, using information made available by the client in accordance with the client's instructions. Users of this document should note the assumptions and approximations used. Any use of the document outside of the stated purpose is at the user's risk.

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2 Capital Works Planning

2.1 Background

The Capital Works Plan identifies the future projects Council intends to undertake to maintain the agreed level of service to the Bogan Shire community. It is the foundation of financial planning and budgeting.

In preparing the Capital Works Plan, the following considerations have been taken into account:

- The management of water supply and sewerage schemes is a long term investment
- Council's Capital Works plan must be regularly updated to recognise any changes in circumstance
- Analysis of alternative options can include the "do nothing" option
- Acceptance of proposed projects and their associated costs.

2.2 Valuation of Water and Sewer Assets 2012

CPE Associates undertook a revaluation of the water supply and sewerage assets in 2012. The valuation has been completed in accordance with "Fair Valuation" principles. For these classes of assets, the principles lead to valuations being made on the basis of a depreciated replacement cost, using standard unit rates.

The valuation considers:

- The nature of the assets:
- The current condition of the assets; and
- Strategic considerations which could influence asset life.

A summary of the revaluation is shown in Table 1. The current replacement cost and the written down current cost are used in the financial modelling in place of the figures shown in Council's Financial statements. Council will be undertaking a fresh valuation prior to 30 June 2017.

The 2012 valuation has been used to inform the renewal needs in the capital works plan.

Table 1 - Summary of Asset Valuation 2016

| SystemType | Current Replacement Cost | Annual Depreciation | Written Down Current Cost | End of life value | Mean Useful Life | Mean Residual Life |
|------------|-----------------------------|------------------------|------------------------------|----------------------|------------------------|--------------------------|
| Sewer | \$11,000,000 | \$120,000 | \$6,900,000 | \$4,100,000 | 66 | 23 |
| Water | \$30,000,000 | \$350,000 | \$14,000,000 | \$1,500,000 | 75 | 35 |

2.3 Growth Forecasts

Renewal planning and income projections are informed by growth projections. Information is extracted from both Council's financial records and Australian Bureau of Statistics (ABS) data.

Records extracted from the Financial Statements show significant growth in the number of assessments

Table 2 - Numbers of assessments (extracted from financial statements)

| Financial Statements Year ending 30 June | Water Fund assessments Special Schedule 3 | Sewer Fund assessments Special Schedule 5 |
|--|--|--|
| 2014 | 1124 | 928 |
| 2015 | 1180 | 983 |
| 2016 | 1403 | 1197 |

Council is currently undertaking a review of connections and assessments, which has led to a significant growth in assessments over the past 3 years. This "catch up" will not continue for the life of the plan. Growth figures from 1981 through to 2011 from ABS data indicates a dwelling growth rate of 0.4%pa.

- Growth projections are based on historical census counts from 1981 through to 2011.
- Figure 1 shows the projected growth in connected dwellings for the Bogan Shire Water business, with the historical number of dwellings presented as a hindcast for comparison purposes.
- While the population of Bogan Shire has declined since 1981, there has been growth in the number of dwellings as a result of a general movement from rural settlements to urban settlements. The period 1981 to 2011 exhibited a growth rate of 0.4% per annum in dwellings.
- Additional assessments being discovered as a result of rating database reviews has been assumed at 10 assessments per annum for 3 years, for water supply only.
- Growth has been applied as an absolute increase in the number of assessments- with the same increase applied for both water supply and sewerage.

Bogan Shire Water: residential assessments 1400 1350 1300 1250 1200 1150 1100 1050 1000 1986 1991 1996 2001 2006 2011 2016 2021 2026 2031 2036 2041 2046 Hindcast · · · · Forecast growth Forecast with catch-up

Figure 1 - Historical and projected assessments for the Bogan Shire Water business

2.4 Water Supply Fund Asset Renewals Plan

2.4.1 Albert Priest Channel

The town of Nyngan receives it water supply from the Albert Priest Channel. Water from the channel is stored in Nyngan at the weir pool. Water is then pumped further west by the Cobar Water Board to supply the town of Cobar. The Cobar Water Board therefore shares the cost of renewing the Albert Priest Channel with Council by funding 68% of the renewal expenditure.

The Albert Priest Channel requires on-going maintenance and renewal expenditure to convey the raw water. Council's 30 year Capital Works Plan includes \$100,000 per year for removal of silt from the channel and \$80,000 per year for renewal of the channel structure.

2.4.2 Water Mains Renewals Plan

Council's 30 year Capital Works Plan includes \$1.1M for water main renewal, with an expenditure of \$80,000 per year for the first six years. The annual expenditure reduces incrementally to \$25,000 in 2024/25 and beyond as by this stage the older water main network has largely been renewed. It is expected that the older water mains, specifically those constructed in the 1950s, will be replaced in the first five years of the Capital Works Plan. The remaining water mains were laid in the late 1970's and later. These mains are not expected to require replacement over the next 30 years. Council will monitor their condition and the on-going budget for water main renewal will enable Council to replace any localised water main failures as required.

Council will allocate \$20,000 per year to maintain water supply to the villages and hamlets (Coolabah, Hermidale and Girilambone), and will monitor the level of service provided to these settlements.

2.4.3 Water Pumping Station Renewals Plan

Council intends to renew the Bogan River raw water pumping station in five years (2021/22) with a planned expenditure of \$150,000. This may involve replacement of pumps if required. Similarly, the treated water high lift pump station will be renewed the following year (2022/23) with a planned expenditure of \$200,000. Council will try to source grant funds for these projects whenever possible. The Capital Works Plan does not include grant funding for this renewal.

2.4.4 Water Treatment Plant Renewals Plan

Replacement or refurbishment of the Nyngan Water Treatment Plant is required to provide a compliant, reliable and safe water treatment facility into the future. No substantial upgrades or funding has been applied to this facility for many years. The WTP requires significant investment to maintain levels of service to the community into the future. In particular, the electrical and control system upgrades will align the Nyngan WTP with modern risk management practice to ensure failsafe operation. Planned renewal projects are as follows:

Table 3 - Water Treatment Plant Renewals planned for the next 5 years

| Works proposed | Cost | Timing | Comment |
|---|-----------|------------------|---|
| New fluoridation plant | \$145,000 | 2016/17 | Assumed to be fully grant funded |
| Stage 1 Refurbishment - Replace the existing switchboard and install a new SCADA system | \$900,000 | 2016/17, 2017/18 | |
| Stage 1 Refurbishment - Automation of valves | \$400,000 | 2017/18, 2018/19 | |
| New liquid alum system | \$175,000 | 2017/18, 2018/19 | |
| Replacement hypochloride system | \$200,000 | 2017/18, 2018/19 | |
| Filter optimisation | \$250,000 | 2019/20 | Council will try to source grant funds for this. The Capital Works Plan does not include grant funding for this renewal |
| Sludge rake replacement | \$200,000 | 2017/18, 2018/19 | |

By undertaking these works in the short to medium term, Council will extend the life of the Nyngan Water Treatment Plant (WTP) by 20 years. The plan allows for the structural replacement of the WTP around 2037/38.

Figure 2 - Nyngan Water Treatment Plant Sedimentation Tank



2.4.5 Water Reservoirs

Council intends to paint the Girilambone overhead tank in 2016/17 at a cost of \$25,000. The Nyngan water reservoir standpipe will require painting in 10 years at an estimated cost of \$100,000.

2.4.6 Water Meter Replacement

Many existing water meters are in need of replacement as they have passed their useful life and are no longer reliable. Failing to replace water meters presents a revenue risk to Council and can lead to costs being unfairly distributed across the community. Council has planned program of water meter replacement with an ongoing budget of \$10,000 per year.

2.5 Water Security Upgrades

A proposal for water security upgrades is documented in "Nyngan and Cobar Water Security – Business Case" Draft Version 2.0 (February 2017). This business case recommends a staged approach to water security as summarised below:

Table 4 – Summary of Proposed Water Security Upgrades

| Stages (in order of priority) | Water Security Infrastructure | Current Status | Approximate Capital Cost (2016 \$) |
|-------------------------------|---|--|------------------------------------|
| 1 a | Storage 1a - 700 MI off-line storage at Nyngan | Design and documentation complete, Tenders late 2016 Construction 2017 | \$10 M |

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| Stages (in order of priority) | Water Security Infrastructure | Current Status | Approximate Capital Cost (2016 \$) |
|-------------------------------|--|---|--|
| 16 | Storage 1b - Additional 700 MI off-line storage at Nyngan on adjacent site to Storage 1a | Environmental studies late 2016 Tender mid 2017 Construction 2018 | \$6 M |
| 1c | Storage 3 - Additional 3000 ML off-line storage on a site to be determined | Stage 3 (borefield) is preferred Investigations scheduled for 2018 | Capital cost not determined. Allowance of \$30M used for business case |
| 2 | Piping of the Albert Priest Channel | Options report complete Funding approval anticipated early 2017 7 year project timeline | \$75 M |
| 3 | Emergency bore supply at Warren and connection to pipeline | Yields and locations not determined Investigations scheduled for 2017 | Capital cost not determined. \$0.5M requested for investigation and preconstruction activities |

For the purposes of financial modelling, five scenarios are modelled, as shown in Table 5. These modelling scenarios reflect the resolution of Bogan Shire Council dated 27 October 2017, which prioritised the construction of an additional 700 Ml off-line storage adjacent to the first storage, and an additional 3000 Ml off-line storage on a site to be determined above the construction of a pipeline.

Table 5 - Financial Modelling Scenarios

| Financial Modelling Scenario | Description |
|------------------------------|--|
| Α | 2016 Water Fund Capital Plan including Storage 1a (BASE Model) |
| В | A + Storage 1b |
| С | B + Storage 1c |
| D | B + APC Pipeline |
| E | C + APC Pipeline + Borefied Investigation |

The initial cash flow calculations for the water security infrastructure is shown as **Appendix B**.

The first ten years of expenditure are shown graphically in Figure 3. Detailed Capital Works spreadsheets are reprinted as **Appendix C.**

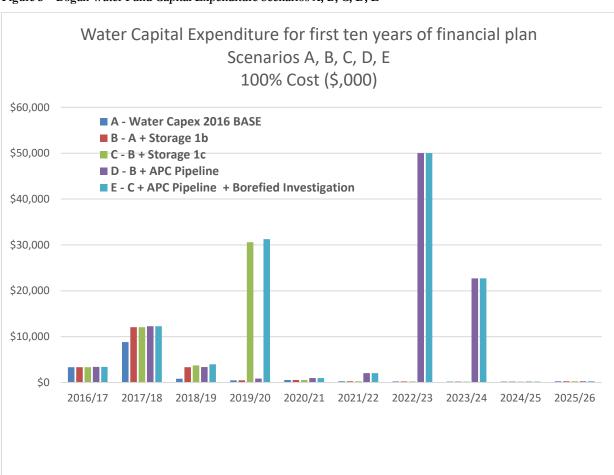


Figure 3 - Bogan Water Fund Capital Expenditure Scenarios A, B, C, D, E

It is assumed that all capital works associated with the water security upgrades are fully grant funded. The ongoing operation, maintenance and administration costs associated with the projects will shared between the project users in accordance with a proposed user agreement.

This financial plan analyses Bogan Shire Council's water fund both with and without the water security infrastructure, noting that Stage 1a is fully funded and is scheduled for construction in 2017. There is no commitment to the remaining stages.

2.6 Sewer Fund Asset Renewals Plan

2.6.1 Sewer Gravity Mains Renewals Plan

Council intends to spend \$200,000 every 5 years on sewer main renewals commencing in 2021/22. Over 30 years, expenditure on sewer main renewals will total \$1M.

2.6.2 Sewage Pumping Stations Renewals Plan

Council's sewer pumping stations were all replaced after the 1990 flood and they will not be requiring renewal in the 30 years of the Capital Works Plan.

Council's 30 year Capital Works Plan includes \$25,000 every two years for the inspection of pipes and pump stations, and any remedial works identified during the inspection.

2.6.3 Sewage Treatment Plant Renewals Plan

The Nyngan Sewage Treatment Plant (STP) is an oxidation lagoon system constructed in 1991 after the 1990 flood. As the STP is more than 25 years old, it is timely that it undergoes a process review, to determine what modifications could be made to treatment processes to ensure ongoing compliance with its Environment Protection licence (EPA Licence 3298). Council intends to spend \$50,000 in 2017/18 on a process review by a specialist consultant. The outcomes of this review will shape Council's future Capital Works Plan for the sewerage fund.

It may be necessary for Council to install a chlorinator on the reuse outlet line. Council has planned to spend \$50,000 in 2018/19 on this installation and the associated approval process. The need for additional treatment of effluent before reuse will be confirmed in the process review.

To keep the STP functioning, sludge must be removed from the primary and secondary lagoons. Council's Capital Works Plan includes \$100,000 for sludge removal from the primary lagoon in 2018/19 and \$100,000 for sludge removal from the secondary lagoon in 2030/31.

Table 6 – Sewage Treatment Plant Renewals planned for the next 5 years

| Works Proposed | Cost | Timing |
|---|-----------|---------|
| Process review | \$50,000 | 2017/18 |
| Addition of a chlorinator on the reuse outlet line | \$50,000 | 2018/19 |
| Removal of sludge from the primary lagoon | \$100,000 | 2018/19 |
| Removal of sludge from the secondary lagoon | \$100,000 | 2018/19 |
| Purchase of high volume low lift pumps for better draining of ponds | \$50,000 | 2018/19 |
| Construction of high volume low lift pumps for better draining of ponds | \$50,000 | 2018/19 |

Figure 4 - Nyngan Sewage Treatment Plant





2.7 New Works Plan

For the water supply fund, the following works are proposed:

- To improve water quality, Council will be installing a new fluoridation plant in 2016/17 at a cost of \$145,000, fully grant funded.
- To improve the security of water supply, Council will be constructing at 700ML single storage at Nyngan using grant funds. This is discussed further in Section 2.6 below.

No new works are proposed for the sewer fund.

2.8 Disposal Plan

In general, assets are planned to remain in service until life-expired or no longer required for provision of service by users. The nature of the assets means that there is almost no sale value in the assets once they reach life expiry as the cost of recovery exceeds the potential revenue.

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Financial Plan

3.1 The purpose of financial planning

Water supply and sewerage businesses are characterised by large variations in annual expenditure as capital assets are progressively purchased, maintained, rehabilitated and replaced. The long life cycle of these assets inevitably means that most water utilities will need to go through cycles of funds accumulation, spending and debt servicing.

The primary objective of financial planning is to model the costs of each of the preferred service options and to determine appropriate funding strategies to ensure that the services remain affordable in the long term. From the customer's perspective, it is important that the cost of service is kept as stable as possible. If the cost of service is consistent (in real terms) over the life cycle of the asset base, both current and future customers are treated in an equitable manner.

Bogan Shire Council is preparing this financial plan to ensure that the water and sewerage business are financially sustainable and serviced are priced in a manner that maintains intergenerational equity.

The capital works planning is documented in Section 2 of this report. All costs are expressed in 2016/17 prices.

This Financial Plan seeks to meet the following objectives to support Council's water and sewerage business:

- The business is capable of funding new and replacement assets needed to provide the current level of service to its customers and the broader community.
- Over the long term, customer charges are kept as low and as stable as possible.

Input data for the model is sourced from the following areas:

- Special schedules 5 and 6, representing a summary of current operating costs and financial performance for the sewerage business, adjusted as per the notes below;
- The Capital Works Plan outlined in this report; and
- A growth forecast, based on review of historic census data for the town of Nyngan.

3.2 **Modelling Objectives**

The FINMOD modelling differs from the modelling undertaken for the Water Security Business Case. The business case includes a 125 year long run financial model, which determines the long run price of raw water, funding the full renewal of assets, with compound interest from invested reserves contributing a significant proportion of the required funds. As such, it applies to the water security infrastructure only and does not consider the total water business. The FINMOD model is a holistic look at the full water supply business over a 30 year modelling timeframe.

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The modelling tasks include:

- Prepare a base model that models the water supply business including Storage 1a, and calculate a typical residential bill (TRB).
- Assess the impact of various scenarios for water security infrastructure, and their impact on the TRBs for Bogan Shire Council.
- Achieve a positive Economic Real Rate of Return (ERRR) in at least 50% of years modelled for all scenarios.
- Integration with long run pricing models used in the Business Case.
 - O Note that long run pricing models do not provide operating surpluses until 37 years after pipeline commissioning, although cash is being accumulated over this period. After 37 years operating surpluses are delivered as a result of reserves attracting enough interest income to offset asset depreciation.
 - O Year 30 in the Bogan Shire Water financial model corresponds to Year 22 in the pipeline and storage long run financial model. In Year 22, the components of the long run financial model attributable to Bogan Shire Council are as follows:
 - Cash reserves of \$2.375m
 - Operating result -\$79,300
 - Return on assets -0.1%
 - These scenarios did not achieve a favourable ERRR and were not adopted as the base case.
- Where it is possible to reduce TRBs, reductions are applied by annual 2.5% decreases in tariffs in real terms ie absolute tariffs don't change, but inflation is allowed to discount its future value.

3.3 Key financial modelling assumptions

All models require a number of assumptions. These assumptions can have a significant impact on the model results. Because of this, the modelling process includes various sensitivity tests to identify which assumptions have a significant impact on the outcomes for the business. Key assumptions and sensitivity tests are provided in Table 7.

Table 7 - Financial model key assumptions

| Parameter | Assumed value 2016-2046 (average) | Sensitivity tests |
|----------------------------------|-----------------------------------|--|
| Inflation (general) | 2.5%pa¹ | |
| Inflation (capital works) | 2.5%pa | 2000-2015 average of 3.5% ² |
| Interest rate for new borrowings | 6.5%pa³ | 8%pa |
| Interest rate for investments | 5.5%pa | 4%pa |

¹ 2000-2015 average of 2.6%

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² Annualised increase in the producer price index for roads and bridges construction for Australia (ABS Catalogue 6427.0)

| Parameter | Assumed value 2016-2046 (average) | Sensitivity tests |
|----------------------------|---|---|
| Capital works programme | As per section 2.4, 2.5 & 2.6 | Five scenarios tested for water security options- |
| | FINMOD defaults | |
| Operating cost adjustments | Discretionary spending superimposed | |
| | as per capital works schedules | |
| | Average of ten additional assessments | |
| Growth | per year for the first 10 year in Water | Zoro growth cooperio |
| Growth | Fund and 0.4% growth in all other | Zero growth scenario |
| | cases (See Section 3.4.1) | |
| Developer charges income | NIL | - |
| | Vacancy rate is constant. An | |
| Vacant assessments | availability charge is assumed for | |
| vacant assessments | vacant lots in Water Fund at 45% of the | - |
| | Typical Residential Bill. | |

3.3.1 Additional Modelling Assumptions

A number of important additional assumptions have been made in this model:

- Renewals The majority of works undertaken at the Water Treatment Plant are classified as renewals. This is because the works will not increase the overall treatment capacity of the plant, and have been scheduled to replace existing assets at life expiry.
- Revenue Adjustments Special Schedule 3 does not report income for the non-residential portion of the business for the 2015/16 financial year. For the purposes of modelling, the rates and charges revenue has been apportioned to match the reported Typical Residential Bill of \$1169 per annum. This results in non-residential access revenue of \$123,299 and usage revenue of \$132,186
- Cost Attribution The modelling reflects the current funding arrangements where Bogan Shire Council effectively receives a 68% contribution from other sources for the ongoing operation, administration, maintenance and renewal costs associated with the water security infrastructure. The financial modelling therefore attributes only 32% of these costs to Bogan Shire Council, including the capital cost of these assets.
- **Pipeline Options** (Scenarios D&E) For options including a pipeline, maintenance and renewal works on the Albert Priest Channel cease once the pipeline is complete. Additional operations and maintenance expenses are attributed based on a total delivery of 7.2GL/a by primarily by gravity, reduced to the 32% attributable to Bogan Shire Council.

3.4 Modelling results - Water business

The key modelling results are summarised in Table 1 and Table 9 below and, and are shown graphically in Figure 2 on the following page..

Table 8 - Summary of modelling scenarios, Water business, 2016-2046

| Capital works item | Scenario A | Scenario B | Scenario C | Scenario D | Scenario E |
|--|---------------|---------------|---------------|---------------|---------------|
| 2016 Water Fund Capital Works Plan including Stage 1a - 700 ML Storage 1a | × | × | × | × | × |
| Stage 1b - 700 ML Storage 1b - adjacent to Storage 1a | | × | × | × | × |
| Stage 1c - 3000ML Storage 1c | | | × | | × |
| Stage 2 - Piping of Albert Priest Channel | | | | × | × |
| Stage 3 - Warren Borefield Investigation | | | | - | × |
| TRB required for ERRR positive in at least 50% of years | \$1004 | \$1030 | \$1083 | \$1125 | \$1169 |

Table 9 - Summary of financial performance, Water business, 2016-2046

| Financial Modelling Scenario | Description | Median Typical Residential Bill (2016/17 \$) | Median ERRR | 2045/46 Cash & Investments (\$'000) | FINMOD Case Reference |
|------------------------------------|--|---|----------------|--|-----------------------------|
| A | Water Capex 2016 base case including Storage 1a | Reduce to \$1,004 terms over a period of 6 years | 1% | \$10,269 | 100 |
| В | Scenario A + Storage 1b | Reduce to \$1,030 over a period of 5 years | 0.2% | \$11,288 | 200 |
| С | Scenario B + Storage 1c | Reduce to \$1,083 terms over a period of 3 years | 0.1% | \$9,678 | 300 |
| D | Scenario B + APC Pipeline | Reduce to \$1,125 over a period of 2 years | 0.2% | \$14,710 | 400 |
| E | Scenario C + APC Pipeline + Borefield Investigation | Maintain at \$1,169 | 0.2% | \$18,643 | 500 |

3.4.1 Typical residential bill - Base Case - Scenario A.

Currently, the typical residential bill for water fund is \$1169 (Ref Table 6 of "2014-15 NSW Water Supply and Sewerage Benchmarking Report"). For the base case, financial modelling indicates that the tariffs can be held at their current value, allowing inflation to discount its future value.

3.4.2 Loan funds required

There are currently no loans in the water fund. Borrowings of up to \$500,000 will be required over the next 3 years to undertake the renewal works planned for the water treatment plant. Given the reserve funds available in the sewerage fund, these borrowings could take the form of an internal loan.

Figure 5 - Scenario A modelling outcomes for Water Fund

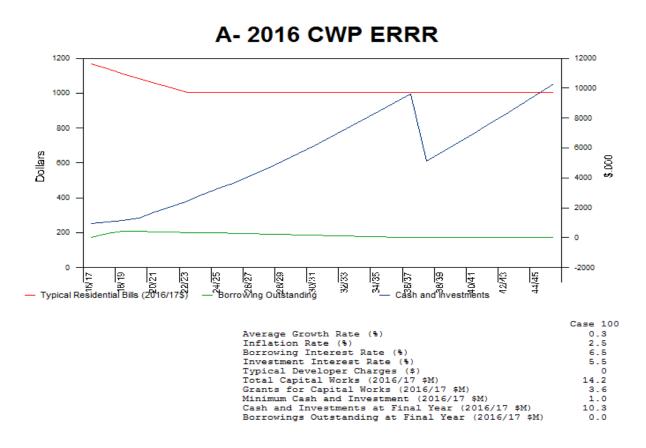
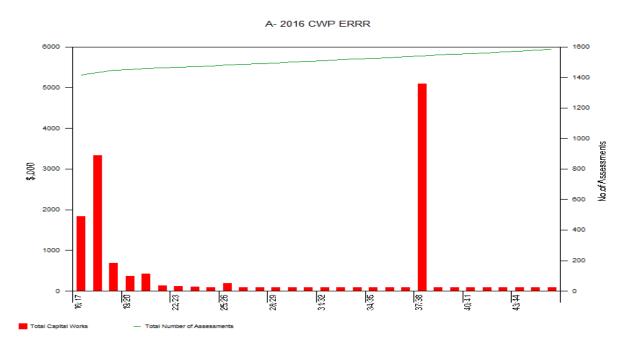


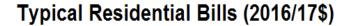
Figure 6 - Capital Works Plan and assessments for water fund

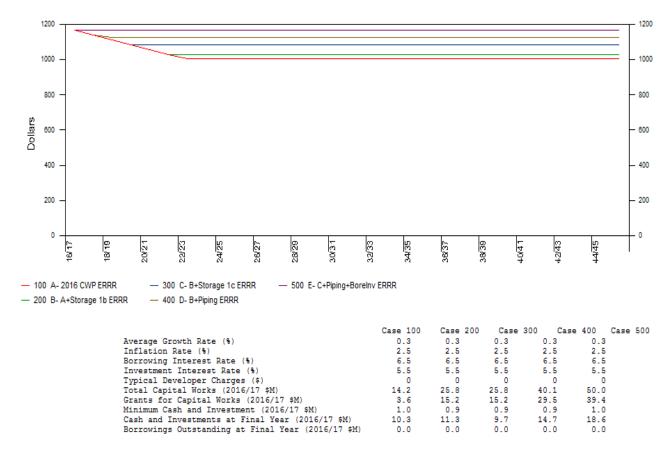


3.4.3 Impact of Water Security Infrastructure

The outcomes of the financial modelling for the five water security scenarios is shown in Table 8 and Table 9, and is shown graphically in Figure 7. The water security infrastructure imposes additional operation, maintenance and depreciation costs, which are 32% attributable to Bogan Shire Council. If the full range of water security infrastructure is constructed, the current TRB can be maintained in real terms – i.e. only inflation-based increases are required.

Figure 7 - Comparison of TRB's for water security modelling scenarios





3.5 Modelling results - Sewerage business

The key modelling results are summarised in Table 4, and are shown graphically on the following page. The results indicate that the sewer TRB can be reduced in real terms.

Table 10 - Summary of financial performance of base case, Sewerage business, 2016-2046

| Scenario | Median Typical Residential Bill (2016/17 \$) | New Loans | Median ERRR | 2045/46 Cash & Investments (\$'000) |
|-----------|--|-----------|-------------|---|
| Base Case | Reducing to \$411 over a period of 7 years | \$0 | 0.2% | \$6,593 |

3.5.1 Forecast typical residential bills

Currently, the typical residential bill for sewerage fund is \$540 (Ref Table 7 of "2014-15 NSW Water Supply and Sewerage Benchmarking Report"). The financial modelling indicates that the tariffs can be held at their current value, allowing inflation to discount its future value.

Council is in a fortunate position that many of its sewerage assets were upgraded following the 1990 flood using grant funding. Accordingly, the renewal timeframe for many assets is outside the 30 year planning timeframe, and the 30 year capital works plan is light. The modelling includes the accumulation of cash and investments to reflect the long renewal timeframes required. Figure 10 shows the increase in total equity and decrease in the value of property, plant & equipment over the 30 year life of the plan.

Figure 8 - Scenario 1 modelling outcomes for sewer fund

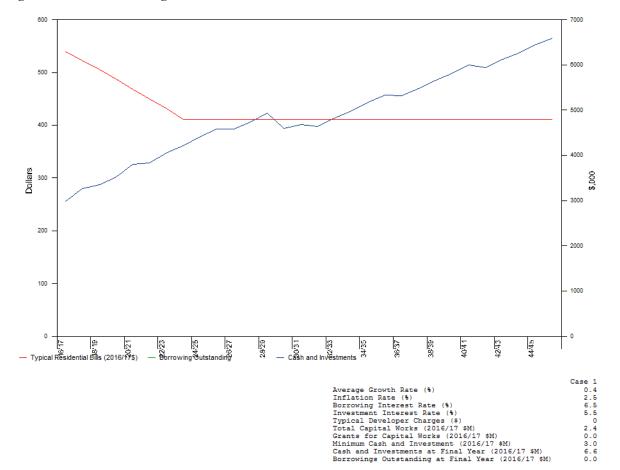


Figure 9 - Capital Works Program and Assessments for Sewer Fund

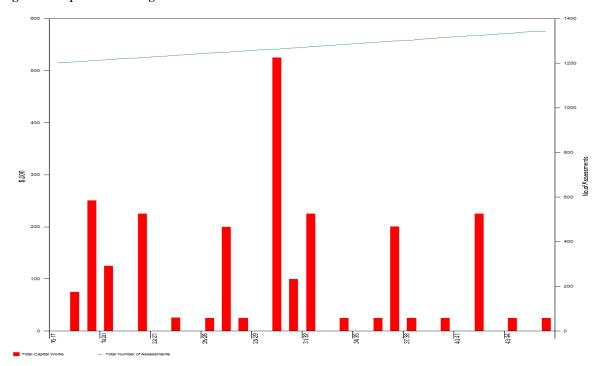
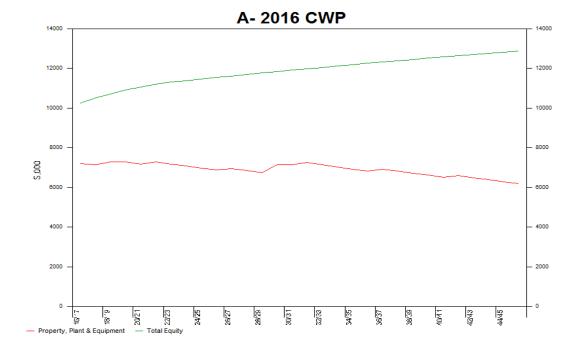


Figure 10 – Bogan Sewerage Fund – Plot of total equity, & property, plant & equipment



3.6 Sensitivity analysis

A sensitivity analysis was conducted on the Base Case by varying various financial and growth parameters in the model. The purpose of this analysis was to identify how vulnerable the business is to variations to input parameters.

The options tested consisted of:

- Increase in capital works inflation by 1%
- Decrease in interest rate for investments by 1.5%.
- Increase in borrowing rate by 1.5%
- Reduction in growth rate to zero%

The results of the sensitivity analysis are summarised below:

Table 11 - Sensitivity analysis results - Water business

| Scenario | Median Typical Residential Bill (2016/17 \$) | Median ERR | 2046/47 Net Cash (\$'000) | FINMOD Case reference |
|--|---|---------------|---------------------------------|-----------------------------|
| Base case (Scenario A) | \$1,004 | 1% | \$10,269 | 100 |
| Sensitivity: Increase capital works inflation + 1% | \$1,030 | 0.8% | \$9,682 | 101 |
| Sensitivity: Investments -1.5%pa | \$1,020 | 1% | \$9,375 | 102 |
| Sensitivity: Borrowing rate +1.5%pa | \$1,004 | 1% | \$10,168 | 103 |
| Sensitivity: Zero Growth rate | \$1,100 | 1% | \$9,481 | 104 |

Table 12- Sensitivity analysis results – Sewerage business

| Scenario | Median Typical Residential Bill (2016/17 \$) | Median ERR | 2046/47 Net Cash (\$'000) | FINMOD Case reference |
|--|---|---------------|---------------------------------|-----------------------------|
| Base case (Scenario A) | \$411 | 0.2% | \$6,593 | 1 |
| Sensitivity: Increase capital works inflation + 1% | \$420 | 0.1% | \$6,643 | 101 |
| Sensitivity: Investments -1.5%pa | \$411 | 0.2% | \$6,593 | 102 |
| Sensitivity: Borrowing rate +1.5%pa | \$415 | 0.2% | \$5,263 | 103 |
| Sensitivity: Zero Growth rate | \$440 | 0.2% | \$6,812 | 104 |

The sensitivity analysis shows that both the water and sewerage businesses are most vulnerable to growth. The pattern of underfunding that results from zero growth forces rates and charges to be increased. If the predicted growth is not achieved, the ERRR metric quickly falls to negative, and additional income is required to achieve financial sustainability. Council will monitor actual growth and revise the modelling if growth in assessments is significantly lower than forecast

Other sensitivity tests degrade financial results to some extent, and will require minor variations to typical residential bills to maintain financial sustainability.

Financial action plan 3.7

Table 13 - Financial Action Plan

| | Objectives | Proposed measures | Provider, cost | Target date |
|------------|--|---|-------------------|------------------------------|
| | The business is capable of funding new and replacement assets needed to provide the current level of service to its customers and the broader community. | Financial modelling indicates that the tariffs can be held at their current value, allowing inflation to discount its future value. | Council | 2017/18 Financial year |
| Water Fund | Over the long term, customer charges are kept as low and as stable as possible. | Review the Financial Plan annually in conjunction with Capital Works Plan reviews. Monitor the cost and timing of water security infrastructure work, the growth rate and external economic influences. | Council | Annual |
| | The business is capable of funding new and replacement assets needed to provide the current level of service to its customers and the broader community. | Financial modelling indicates that the tariffs can be held at their current value, allowing inflation to discount its future value. | Council | 2017/18 Financial year |
| Sewer Fund | Over the long term, customer charges are kept as low and as stable as possible. | Review the Financial Plan annually in conjunction with Capital Works Plan reviews. Monitor the estimated cost of the replacement of the sewage treatment plant, the growth rate and external economic influences. | Council | Annual |

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4 References

CPE Associates "Valuation of Water Supply and Sewerage Assets to 30 June 2012: Valuation Report", June 2012

Mike Brearley & Associates Pty Ltd - "Nyngan and Cobar Water Security – Business Case" Draft Version 2.0 (February 2017)

CPE Associates, "Nyngan and Cobar Raw Water Security Business Case" Version 1.3, February 2013

NSW Urban Water Services Pty Ltd "Nyngan and Cobar Water Security Project – Water Supply System Modelling" Report No 14009, May 2016

NSW Public Works "Albert Priest Channel Replacement Pipeline: Options Report" Report No 16015, May 2016.

NSW DPI Water – Strategic Business Planning Checklist – July 2014

NSW Office of Water - NSW Water and Sewerage Strategic Business Planning Guidelines - 2011

Appendix A Compliance with the Department of Primary Industries, Office of Water: "Water Supply and Sewerage Strategic Business Planning and Financial Planning Check List – July 2014"

Capital Works Planning Checklist (Extract from SBP Checklist)

| Topic | | Outcome Achieved | Comments |
|---|------------|--|-----------------|
| 7. Total Asset Management Plan (TAMP) – Capital Works and Renewals Planning | F | Review and update the existing TAMP in your IWCM Strategy/SBP. New TAMP to show your LWU's 30-year capital works program which nominates each proposed project and its annual capital expenditure, including an evidence based cost-effective asset renewals plan ¹⁰ . TAMP is integrated with the strategic business plan to meet the target levels of service. Template is available from NOW. Disclosure of the funding required for each of growth, improved standards and renewals is required for each project | Yes – Section 2 |
| 7. Total Asset Management Plan - Footnote | Note 10 | A LWU must analyse renewals needs to develop a sound 30-year renewals plan for its existing assets as part of the strategic business planning process, but only 'proven' renewals should be included in the first 5 years of the TAMP. These should be based on documented evidence and 'value for money' (TBL) analysis, which should be reported in the SBP. The evidence basis and 'value for money' analysis should be supported by information collected from preventative maintenance monitoring programs, performance monitoring data, your complaints register, site audits, etc., together with levels of service compliance data and business risks and costs. While it is important to renew existing assets when they have demonstrably exceeded their economic service life, prematurely replacing assets such as water mains, simply because they are over 80 years old would be wasteful 'gold plating', which would unnecessarily increase your TRBs. | Yes - Section 2 |

Financial Plan - Checklist

| Topic | | Outcome Achieved | Comments |
|---------------------------------|---|--|--|
| 10. Financial Plan Objective | A | The financial plan includes all foreseeable costs and income and achieves the lowest uniform level of stable typical residential bill (in Year 2\$) to meet the levels of service negotiated with the community. | Yes - Section 3 |
| | В | Long-term financial sustainability is demonstrated to comply with National Competition Policy and the National Water Initiative. | Yes - Long Term Financial Sustainability demonstrated through a positive Economic Real Rate of Return on over 50% of years modelled |
| 11.Financial Model | | LWUs using the FINMOD software for their financial plan have used the latest version (FINMOD 2.1 or FINMOD 4.0). | Yes - Section 3 |
| 12. Timeframe | | The financial plan covers a period of 30 years in accordance with the IWCM Strategy. | Yes – Section 3 |

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| 13. Growth and Assessments | Input accurate numbers of existing residential and non- A residential assessments ,from the water cycle analysis and projection | Yes - Section 2.3. Number of assessments based on historical information and growth projections |
|-------------------------------|--|--|
| | B New assessments for backlog water supply or sewerage projects are included in the growth projections | Yes |
| | Growth projection input into your LWU's financial planning is consistent with the demographic and water cycle analysis and projections and SBP document. | Yes – Section 2.3. Growth projections consistent with strategic planning |
| 14 Interest Rates | Appropriate values have been used. Such rates in July 2014 were: Inflation 2.5% pa Investment 5.5% pa Borrowing 6.5% pa | Key assumptions documented in Section 3.3 |
| 15 Grants | No capital works grants under the CTWSS program are assumed after about 2016/17. | Yes. The base case includes no grants under the CTWSS. The plan does include possible water security grants. |
| 16. Forecast Data | Forecast data, such as future operation, maintenance and administration (OMA) costs and the income split (between A the annual residential revenue and the annual non-residential revenue), have been carefully considered as part of the LWU's total asset management | Yes – Future residential and non-residential considered |
| | Common errors are Neglecting to include increases in operation and maintenance costs associated with proposed capital works such as backlog sewerage or new water and sewage treatment works. Neglecting to make appropriate provision for dividend and tax-equivalent payments (excluding income tax). Neglecting to include future increases in non-residential water supply and sewerage income as a result of removing existing cross-subsidies. Neglecting to include future increases in trade waste income from introducing appropriate trade waste fees and charges for all liquid trade waste dischargers. Neglecting to include reduction in revenue from non-compliance trade waste usage charges and non-compliance excess mass charges mainly due to the installation of appropriate pre-treatment equipment by non-complying trade waste dischargers. Neglecting to include future commercial developer charges. Neglecting to include the cost of actions in the SBP. Neglecting to exclude from your OMA expenses for activities undertaken on behalf of the Aboriginal Communities Water and Sewerage Program and income received from that Program | All issues addressed |
| | B Increases or reductions to OMA costs have been discussed in the SBP document. | Yes – Future Operating Costs will remain constant |
| 17 Residential Bills | The financial plan must provide a 30-year projection of Typical Residential Bills in Year 2016\$. | Yes - Section 3 |
| 18. Results | The input data, key output graphs and the full projected results and the annual financial statements (ie. Income Statement, Balance Sheet and Cash Flow Statement) are included for the preferred case. Results are presented in Year 2XXX dollars (ie. not in inflated dollars). | Yes - Appendix D |

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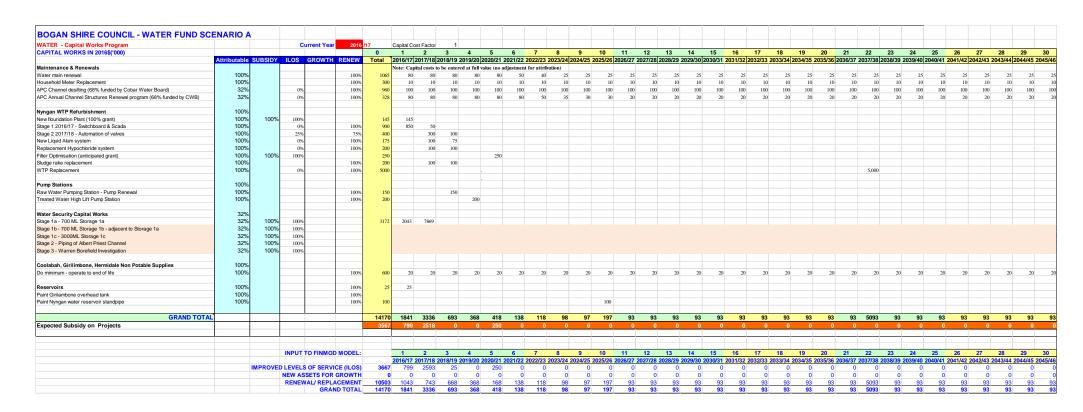
| 19. Sensitivity Analysis | Α | Sensitivity Analysis (section 8.3 of the FINMOD User Manual) has been carried out and results are included. | Yes - Section 3.6 |
|---|---|---|---|
| | В | A description of the cases analysed, and the reasons for their selection have been included in the document. | Yes - Section 3.6 |
| 20 Financial Plan Report and Price Path | A | Financial Plan Report prepared to document your financial planning (example report provided in Appendix E of the FINMOD User Manual - Reference 2). A copy of Appendix E is available on request. | To be advised |
| | В | Price path adopted for the typical residential bill over the next 4 years in Year 2016\$. This provides some price certainty to your LWU's customers. | Yes - Section 3.7 |
| 21 Annual Update of Financial Plan | Α | Following the annual review of your TBL Performance Report you should review and update your total asset management plan and your long-term financial plan. | Yes – A review of capital works planning is included as Section 2 |
| | В | Prepare a brief report to Council on your update of the financial plan | To be advised |
| 22 Publication of the SBP and FP | | LWU should publish the adopted Strategic Business Plan and Financial Plan on its website. | Subject to Council and DPI Water approval of the Financial Plan |

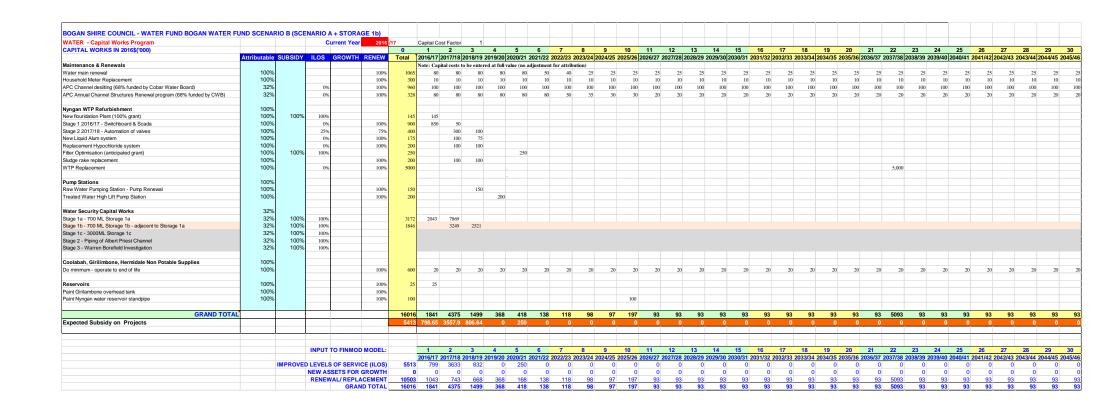
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Appendix B Draft Timeline and Cashflow for Water Security Projects

| | _ | | | | ı | | | 1 | | | | | | | | |
|--|--|---|---|---|---|--|---|---|---|-----------------------|---|------------------------|---|---|---|---------------------------------|
| | WBS | Name | Duration | Work | Cost | Start | Finish | Costs for year e | nd 30/06/2016 30/06/2017 | 30/06/2018 | 30/06/2019 | 30/06/2020 | 30/06/2021 | 30/06/2022 | 30/06/2023 | 30/06/2024 |
| 0 | 0 | Bogan Water Security v2 Business Case | 2119.5d? | 40664h | \$121,889,422 | 2/01/2017 | 14/02/2025 | CILCIN | 30/00/2010 30/00/2017 | 30/00/2018 | 30/00/2019 | 30/00/2020 | 30/00/2021 | 30/00/2022 | 30/00/2023 | 30/00/2024 |
| 1 | 1 | STAGE 1a - 700 ML STORAGE 1a | 613.5d? | | \$9,911,800 | 2/01/2017 | 9/05/2019 | \$9,911,800 | | | | | | | | |
| 2 | 1.1 | Design complete | 0d | 0h | \$904,900 | 2/01/2017 | 2/01/2017 | - | \$904,900 | - | - | - | - | - | - | = |
| 3 | 1.2 | Tender | 13.3w | 532h | \$0 | 1/03/2017 | 1/06/2017 | - | - | - | - | - | - | - | - | |
| 4 | 1.3 | Construction | 30w | 1200h | \$7,679,000 | 1/06/2017 | 28/12/2017 | - | \$1,060,433 | \$6,618,567 | - | - | - | - | - | |
| 5 | 1.4 | Construction contingency | 6w | 240h | \$767,900 | 28/12/2017 | | - | - | \$767,900 | - | - | - | - | - | -, |
| 6 | 1.5 | Supervision | 150d? | 1200h | \$560,000 | | 28/12/2017 | - | \$77,333 | \$482,667 | - | - | - | - | - | = , |
| 7 | 1.6 | Storage commissioned | 0d | 0h | \$0 | 8/02/2018 | 8/02/2018 7/02/2019 | - | - | - | - | - | - | - | - | -, |
| 8 | 1.7 | Defects Liability Period Finalisation | 52w 13w | 2080h 520h | \$0 \$0 | 8/02/2018 7/02/2019 | 9/05/2019 | - | - | - | - | - | - | - | - | = |
| 10 | | GE 1b - 700 ML STORAGE 1b - ADJACENT TO STORAG | | 7576h | \$5,770,022 | 1/03/2019 | | \$5,770,022 | - | - | - | - | - | - | - | -, |
| 11 | 2.1 | Complete REF | 9w | 360h | \$0 | 1/03/2017 | 2/05/2017 | - | - | - | _ | _ | _ | _ | - | _ |
| 12 | 2.2 | Approve REF | 8.4w | 336h | \$0 | | 29/06/2017 | - | - | - | - | - | - | - | - | - |
| 13 | 2.3 | Design and contract documentation | 21.6w | 864h | \$526,775 | 30/06/2017 | 28/11/2017 | - | - | \$526,775 | - | - | - | - | - | - |
| 14 | 2.4 | Tender and award | 13.4w | 536h | \$0 | 29/11/2017 | 1/03/2018 | - | - | - | - | - | - | - | - | - |
| 15 | 2.5 | Construction | 30w | 1200h | \$4,470,227 | 2/03/2018 | 27/09/2018 | - | - | \$2,566,638 | \$1,903,589 | - | - | - | - | = |
| 16 | 2.6 | Construction contingency | 6w | 240h | \$447,023 | 28/09/2018 | | - | - | - | \$447,023 | - | - | - | - | = , |
| 17 | 2.7 | Supervision | 36w | 1440h | \$325,997 | | 8/11/2018 | - | - | \$155,855 | \$170,142 | - | - | - | = | = |
| 18 | 2.8 | Storage commissioned | 0d | 0h | \$0 | | 8/11/2018 | - | - | - | - | - | - | - | - | -, |
| 19 | 2.9 | Defects Laibility Period | 52w | 2080h | \$0 | | 7/11/2019 | - | - | - | - | - | - | - | - | - |
| 20 21 | 2.1 3 | Finalisation STAGE 1c - 3000ML STORAGE 1c | 13w 445d | 520h 2600 h | \$0 \$30.500.000 | | 6/02/2020 | \$30,500,000 | - | - | - | - | - | - | - | = |
| 22 | 3.1 | Site identification | 13w | 520h | \$100,000 | | 28/09/2018 | \$30,300,000 | | | \$100,000 | | | | | |
| 23 | 3.2 | Preliminary site assessment | 13w | 520h | \$100,000 | | 28/12/2018 | 1 . | - | - | \$100,000 | | - | - | - | |
| 24 | 3.3 | Select preferred site | 13w | 520h | \$50,000 | | 29/03/2019 | - | - | - | \$50,000 | _ | _ | _ | - | _ |
| 25 | 3.4 | Detail assessment of preferred site | 13w | 520h | \$150,000 | | 28/06/2019 | - | - | - | \$150,000 | - | - | - | - | - |
| 26 | 3.5 | Options assessment with cost estimates | 13w | 520h | \$100,000 | | 27/09/2019 | - | - | - | - | \$100,000 | - | - | - | - |
| 27 | 3.6 | Interim costing and construction | 0d | 0h | \$30,000,000 | 13/03/2020 | 13/03/2020 | - | - | - | - | \$30,000,000 | - | - | - | - |
| 28 | 4 | STAGE 2 - PIPING OF ALBERT PRIEST CHANNEL | 2119.5d | 21596h | \$75,207,600 | 2/01/2017 | 14/02/2025 | \$75,207,600 | | | | | | | | |
| 29 | 4.1 | Business Case | 12w | 480h | \$50,000 | 2/01/2017 | 24/03/2017 | - | \$50,000 | - | - | - | - | - | - | |
| 30 | 4.2 | Business Case Endorsement | 18.4w | 736h | \$0 | 27/03/2017 | 1/08/2017 | - | _ | - | - | - | - | - | - | _ |
| 31 | 4.3 | Funding Approval | | | | | | - | | | | | | | | |
| 32 | | | 13w | 520h | \$0 | | 31/10/2017 | - | - | - | - | - | - | - | - | = |
| _ | 4.4 | Engage Project Manager | 2.5w | 100h | \$200,000 | 1/11/2017 | 31/10/2017 17/11/2017 | - | - | \$200,000 | - | | - | - | - | - - - |
| 33 | 4.5 | Engage Project Manager Cost Sharing & Service Agreement for APC | 2.5w 104w | 100h 4160h | \$200,000 \$50,000 | 1/11/2017 17/11/2017 | 31/10/2017 17/11/2017 15/11/2019 | - | - - - | \$200,000 \$15,453 | - \$25,069 | \$9,478 | - - - | - | - | - - - - |
| 33 34 | 4.5 4.6 | Engage Project Manager Cost Sharing & Service Agreement for APC Site Survey | 2.5w 104w 12w | 100h 4160h 480h | \$200,000 \$50,000 \$200,000 | 1/11/2017 17/11/2017 15/11/2019 | 31/10/2017 17/11/2017 15/11/2019 7/02/2020 | - | - - - | | - \$25,069 - | \$200,000 | - - - - \$74.726 | - | - - - | - - - - - - |
| 33 34 35 | 4.5 4.6 4.7 | Engage Project Manager Cost Sharing & Service Agreement for APC Site Survey Land Matters | 2.5w 104w 12w 52w | 100h 4160h 480h 2080h | \$200,000 \$50,000 \$200,000 \$200,000 | 1/11/2017 17/11/2017 15/11/2019 15/11/2019 | 31/10/2017 17/11/2017 15/11/2019 7/02/2020 13/11/2020 | - - - - - | - - - - | | \$25,069 - - | \$200,000 \$125,275 | - - \$74,725 \$10,440 | - - - - | - - - - | - - - - - - - |
| 33 34 35 36 | 4.5 4.6 4.7 4.8 | Engage Project Manager Cost Sharing & Service Agreement for APC Site Survey Land Matters Legal matters | 2.5w 104w 12w 52w 26w | 100h 4160h 480h 2080h 1040h | \$200,000 \$50,000 \$200,000 \$200,000 \$50,000 | 1/11/2017 17/11/2017 15/11/2019 15/11/2019 7/02/2020 | 31/10/2017 17/11/2017 15/11/2019 7/02/2020 13/11/2020 7/08/2020 | - | | | - \$25,069 - - - | \$200,000 | \$10,440 | - - - - | - - - - | |
| 33 34 35 | 4.5 4.6 4.7 | Engage Project Manager Cost Sharing & Service Agreement for APC Site Survey Land Matters Legal matters Landholder agreement | 2.5w 104w 12w 52w | 100h 4160h 480h 2080h | \$200,000 \$50,000 \$200,000 \$200,000 \$50,000 \$50,000 | 1/11/2017 17/11/2017 15/11/2019 15/11/2019 7/02/2020 7/08/2020 | 31/10/2017 17/11/2017 15/11/2019 7/02/2020 13/11/2020 7/08/2020 30/10/2020 | - | - - - - - - | | \$25,069 - - - - | \$200,000 \$125,275 | | | - - - - - | |
| 33 34 35 36 37 | 4.5 4.6 4.7 4.8 4.9 | Engage Project Manager Cost Sharing & Service Agreement for APC Site Survey Land Matters Legal matters | 2.5w 104w 12w 52w 26w 12w | 100h 4160h 480h 2080h 1040h 480h | \$200,000 \$50,000 \$200,000 \$200,000 \$50,000 | 1/11/2017 17/11/2017 15/11/2019 15/11/2019 7/02/2020 | 31/10/2017 17/11/2017 15/11/2019 7/02/2020 13/11/2020 7/08/2020 30/10/2020 25/12/2020 | - - - - - - - | - - - - - - | | \$25,069 - - - - | \$200,000 \$125,275 | \$10,440 \$50,000 | - | - | |
| 33 34 35 36 37 38 | 4.5 4.6 4.7 4.8 4.9 4.1 | Engage Project Manager Cost Sharing & Service Agreement for APC Site Survey Land Matters Legal matters Landholder agreement Geotechnical investigation | 2.5w 104w 12w 52w 26w 12w | 100h 4160h 480h 2080h 1040h 480h 320h | \$200,000 \$50,000 \$200,000 \$200,000 \$50,000 \$50,000 \$200,000 | 1/11/2017 17/11/2017 15/11/2019 15/11/2019 7/02/2020 7/08/2020 30/10/2020 | 31/10/2017 17/11/2017 15/11/2019 7/02/2020 13/11/2020 7/08/2020 30/10/2020 25/12/2020 25/06/2021 | - | - - - - - - - | | \$25,069 - - - - - | \$200,000 \$125,275 | \$10,440 \$50,000 \$200,000 | - - - - - - - - - - - - - - - - - | - | |
| 33 34 35 36 37 38 39 | 4.5 4.6 4.7 4.8 4.9 4.1 4.11 | Engage Project Manager Cost Sharing & Service Agreement for APC Site Survey Land Matters Legal matters Landholder agreement Geotechnical investigation Concept design | 2.5w 104w 12w 52w 26w 12w 8w 26w | 100h 4160h 480h 2080h 1040h 480h 320h 1040h | \$200,000 \$50,000 \$200,000 \$200,000 \$50,000 \$50,000 \$200,000 \$100,000 | 1/11/2017 17/11/2017 15/11/2019 15/11/2019 7/02/2020 7/08/2020 30/10/2020 25/12/2020 | 31/10/2017 17/11/2017 15/11/2019 7/02/2020 13/11/2020 7/08/2020 30/10/2020 25/12/2020 25/06/2021 24/12/2021 | - | - - - - - - - - | | \$25,069 - - - - - - | \$200,000 \$125,275 | \$10,440 \$50,000 \$200,000 \$100,000 | - - - - - - - - - - - - - - - - | - | |
| 33 34 35 36 37 38 39 40 41 42 | 4.5 4.6 4.7 4.8 4.9 4.1 4.11 4.12 4.13 | Engage Project Manager Cost Sharing & Service Agreement for APC Site Survey Land Matters Legal matters Landholder agreement Geotechnical investigation Concept design Environmental Impact Assessment Approvals Detail design and contract documentation | 2.5w 104w 12w 52w 26w 12w 8w 26w 26w 12w 12w | 100h 4160h 480h 2080h 1040h 480h 320h 1040h 1040h 480h 480h | \$200,000 \$50,000 \$200,000 \$200,000 \$50,000 \$50,000 \$200,000 \$100,000 \$150,000 \$0 \$1,622,600 | 1/11/2017 17/11/2017 15/11/2019 15/11/2019 7/02/2020 7/08/2020 30/10/2020 25/12/2020 25/06/2021 24/12/2021 18/03/2022 | 31/10/2017 17/11/2017 15/11/2019 7/02/2020 13/11/2020 7/08/2020 30/10/2020 25/12/2020 25/06/2021 24/12/2021 18/03/2022 | - | - - - - - - - - - | | - \$25,069 - - - - - - - | \$200,000 \$125,275 | \$10,440 \$50,000 \$200,000 \$100,000 \$4,121 | \$145,879 - \$1,622,600 | - | |
| 33 34 35 36 37 38 39 40 41 42 43 | 4.5 4.6 4.7 4.8 4.9 4.1 4.11 4.12 4.13 4.14 4.15 | Engage Project Manager Cost Sharing & Service Agreement for APC Site Survey Land Matters Legal matters Landholder agreement Geotechnical investigation Concept design Environmental Impact Assessment Approvals Detail design and contract documentation Tender and award | 2.5w 104w 12w 52w 26w 12w 8w 26w 26w 12w 12w 12w | 100h 4160h 480h 2080h 1040h 480h 320h 1040h 1040h 480h 480h 480h | \$200,000 \$50,000 \$200,000 \$200,000 \$50,000 \$50,000 \$100,000 \$150,000 \$0 \$1,622,600 \$200,000 | 1/11/2017 17/11/2017 15/11/2019 15/11/2019 7/02/2020 7/08/2020 30/10/2020 25/12/2020 25/06/2021 24/12/2021 18/03/2022 | 31/10/2017 17/11/2017 15/11/2019 7/02/2020 13/11/2020 30/10/2020 30/10/2020 25/12/2020 25/06/2021 24/12/2021 18/03/2022 10/06/2022 2/09/2022 | - | - - - - - - - - - - - - - - - - - - - | | \$25,069 - - - - - - - - - | \$200,000 \$125,275 | \$10,440 \$50,000 \$200,000 \$100,000 \$4,121 | - | | |
| 33 34 35 36 37 38 39 40 41 42 43 | 4.5 4.6 4.7 4.8 4.9 4.1 4.11 4.12 4.13 4.14 4.15 | Engage Project Manager Cost Sharing & Service Agreement for APC Site Survey Land Matters Legal matters Lendholder agreement Geotechnical investigation Concept design Environmental Impact Assessment Approvals Detail design and contract documentation Tender and award CONSTRUCTION | 2.5w 104w 12w 52w 26w 12w 8w 26w 26w 12w 12w 12w 52w | 100h 4160h 480h 2080h 1040h 480h 320h 1040h 1040h 480h 480h 480h 2080h | \$200,000 \$50,000 \$200,000 \$200,000 \$50,000 \$50,000 \$200,000 \$100,000 \$150,000 \$0 \$1,622,600 \$20,000 \$57,852,000 | 1/11/2017 17/11/2017 15/11/2019 15/11/2019 7/02/2020 7/08/2020 30/10/2020 25/12/2020 25/06/2021 24/12/2021 18/03/2022 10/06/2022 2/09/2022 | 31/10/2017 17/11/2017 15/11/2019 7/02/2020 13/11/2020 7/08/2020 30/10/2020 25/12/2020 25/06/2021 24/12/2021 18/03/2022 10/06/2022 2/09/2022 | - | - - - - - - - - - - - - - - - - - - - | | \$25,069 | \$200,000 \$125,275 | \$10,440 \$50,000 \$200,000 \$100,000 \$4,121 | - \$1,622,600 | - - - - - - - - - - - - - - - - - - - | |
| 33 34 35 36 37 38 39 40 41 42 43 44 | 4.5 4.6 4.7 4.8 4.9 4.1 4.11 4.12 4.13 4.14 4.15 4.16 4.17 | Engage Project Manager Cost Sharing & Service Agreement for APC Site Survey Land Matters Legal matters Landholder agreement Geotechnical investigation Concept design Environmental Impact Assessment Approvals Detail design and contract documentation Tender and award CONSTRUCTION Construction contingency | 2.5w 104w 12w 52w 26w 12w 8w 26w 26w 12w 12w 12w 12w 12w 14d | 100h 4160h 480h 2080h 1040h 480h 320h 1040h 480h 480h 480h 480h 480h 480h | \$200,000 \$50,000 \$200,000 \$200,000 \$50,000 \$50,000 \$200,000 \$100,000 \$150,000 \$0 \$1,622,600 \$20,000 \$57,852,000 | 1/11/2017 17/11/2017 15/11/2019 15/11/2019 7/02/2020 7/08/2020 30/10/2020 25/12/2020 25/06/2021 24/12/2021 18/03/2022 10/06/2022 2/09/2022 | 31/10/2017 17/11/2017 15/11/2019 7/02/2020 13/11/2020 7/08/2020 30/10/2020 25/12/2020 25/06/2021 24/12/2021 18/03/2022 10/06/2022 2/09/2022 1/09/2023 4/09/2023 | | - - - - - - - - - - - - - - - - - - - | | \$25,069 | \$200,000 \$125,275 | \$10,440 \$50,000 \$200,000 \$100,000 \$4,121 | - \$1,622,600 | | \$10,012,846 \$11,570,400 |
| 33 34 35 36 37 38 39 40 41 42 43 44 45 | 4.5 4.6 4.7 4.8 4.9 4.1 4.11 4.12 4.13 4.14 4.15 4.16 4.17 | Engage Project Manager Cost Sharing & Service Agreement for APC Site Survey Land Matters Legal matters Landholder agreement Geotechnical investigation Concept design Environmental Impact Assessment Approvals Detail design and contract documentation Tender and award CONSTRUCTION Construction contingency Commissioning | 2.5w 104w 12w 52w 26w 12w 8w 26w 12w 12w 12w 12w 12w 12w | 100h 4160h 480h 2080h 1040h 480h 320h 1040h 1040h 480h 480h 480h 2080h 0h 480h | \$200,000 \$50,000 \$200,000 \$200,000 \$50,000 \$50,000 \$200,000 \$100,000 \$150,000 \$0 \$1,622,600 \$20,000 \$57,852,000 \$0 | 1/11/2017 17/11/2017 15/11/2019 15/11/2019 7/02/2020 7/08/2020 30/10/2020 25/06/2021 25/06/2021 18/03/2022 20/09/2022 1/09/2023 1/09/2023 | 31/10/2017 17/11/2017 15/11/2019 7/02/2020 13/11/2020 7/08/2020 30/10/2020 25/12/2020 25/06/2021 18/03/2022 20/09/2022 1/09/2023 4/09/2023 24/11/2023 | | - - - - - - - - - - - - - - - - - - - | | \$25,069 | \$200,000 \$125,275 | \$10,440 \$50,000 \$200,000 \$100,000 \$4,121 | - \$1,622,600 | \$47,839,154 - - | \$11,570,400 - |
| 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 | 4.5 4.6 4.7 4.8 4.9 4.1 4.11 4.12 4.13 4.14 4.15 4.16 4.17 4.18 4.19 | Engage Project Manager Cost Sharing & Service Agreement for APC Site Survey Land Matters Legal matters Landholder agreement Geotechnical investigation Concept design Environmental Impact Assessment Approvals Detail design and contract documentation Tender and award CONSTRUCTION Construction contingency Commissioning Supervision | 2.5w 104w 12w 52w 26w 12w 8w 26w 12w 12w 12w 12w 12w 1d 12w 64w | 100h 4160h 480h 2080h 1040h 480h 320h 1040h 1040h 480h 480h 480h 2080h 0h 480h 2560h | \$200,000 \$50,000 \$200,000 \$200,000 \$50,000 \$50,000 \$100,000 \$150,000 \$0 \$1,622,600 \$20,000 \$57,852,000 \$0 \$11,570,400 \$0 \$2,892,600 | 1/11/2017 17/11/2017 15/11/2019 15/11/2019 7/02/2020 7/08/2020 30/10/2020 25/12/2020 25/06/2021 18/03/2022 2/09/2022 1/09/2023 1/09/2023 2/09/2022 | 31/10/2017 17/11/2017 15/11/2019 7/02/2020 13/11/2020 7/08/2020 30/10/2020 25/12/2020 25/06/2021 24/12/2021 18/03/2022 2/09/2022 1/09/2023 4/09/2023 24/11/2023 24/11/2023 | - | | | \$25,069 | \$200,000 \$125,275 | \$10,440 \$50,000 \$200,000 \$100,000 \$4,121 | - \$1,622,600 | | |
| 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 | 4.5 4.6 4.7 4.8 4.9 4.1 4.11 4.12 4.13 4.14 4.15 4.16 4.17 4.18 4.19 4.2 | Engage Project Manager Cost Sharing & Service Agreement for APC Site Survey Land Matters Legal matters Landholder agreement Geotechnical investigation Concept design Environmental Impact Assessment Approvals Detail design and contract documentation Tender and award CONSTRUCTION Construction contingency Commissioning Supervision Pipeline operational | 2.5w 104w 12w 52w 26w 12w 8w 26w 12w 12w 12w 12w 12w 1d 12w 64w 0d | 100h 4160h 480h 2080h 1040h 480h 320h 1040h 1040h 480h 480h 480h 2080h 0h 480h | \$200,000 \$50,000 \$200,000 \$200,000 \$50,000 \$50,000 \$100,000 \$150,000 \$0 \$1,622,600 \$20,000 \$57,852,000 \$0 \$11,570,400 \$0 \$2,892,600 | 1/11/2017 17/11/2017 15/11/2019 15/11/2019 7/02/2020 7/08/2020 30/10/2020 25/12/2020 25/06/2021 24/12/2021 10/06/2022 2/09/2022 1/09/2023 1/09/2023 2/09/2022 24/11/2023 | 31/10/2017 17/11/2017 15/11/2019 7/02/2020 13/11/2020 7/08/2020 30/10/2020 25/106/2021 24/12/2021 10/06/2022 2/09/2022 1/09/2023 4/11/2023 24/11/2023 24/11/2023 | | | | \$25,069 | \$200,000 \$125,275 | \$10,440 \$50,000 \$200,000 \$100,000 \$4,121 | - \$1,622,600 | \$47,839,154 - - | \$11,570,400 - |
| 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 | 4.5 4.6 4.7 4.8 4.9 4.1 4.12 4.13 4.14 4.15 4.16 4.17 4.18 4.19 4.2 | Engage Project Manager Cost Sharing & Service Agreement for APC Site Survey Land Matters Legal matters Landholder agreement Geotechnical investigation Concept design Environmental Impact Assessment Approvals Detail design and contract documentation Tender and award CONSTRUCTION Construction contingency Commissioning Supervision Pipeline operational Defects Liability Period | 2.5w 104w 12w 52w 26w 12w 8w 26w 12w 12w 12w 12w 1d 12w 64w 0d 52w | 100h 4160h 480h 2080h 1040h 480h 320h 1040h 1040h 480h 480h 480h 2080h 0h 480h 2080h 0h | \$200,000 \$50,000 \$200,000 \$200,000 \$50,000 \$50,000 \$100,000 \$150,000 \$0 \$1,622,600 \$20,000 \$57,852,000 \$0 \$11,570,400 \$0 \$2,892,600 \$0 \$0 | 1/11/2017 17/11/2017 15/11/2019 15/11/2019 7/02/2020 7/08/2020 30/10/2020 25/12/2020 25/06/2021 24/12/2021 10/06/2022 2/09/2022 1/09/2023 1/09/2023 2/09/2022 24/11/2023 24/11/2023 | 31/10/2017 17/11/2017 15/11/2019 7/02/2020 13/11/2020 25/12/2020 25/12/2020 25/12/2020 25/06/2021 24/12/2021 18/03/2022 10/06/2022 2/09/2022 1/09/2023 24/11/2023 24/11/2023 24/11/2023 22/11/2024 | | | | \$25,069 | \$200,000 \$125,275 | \$10,440 \$50,000 \$200,000 \$100,000 \$4,121 | - \$1,622,600 | \$47,839,154 - - | \$11,570,400 - |
| 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 | 4.5 4.6 4.7 4.8 4.9 4.1 4.12 4.13 4.14 4.15 4.16 4.17 4.18 4.19 4.2 4.21 | Engage Project Manager Cost Sharing & Service Agreement for APC Site Survey Land Matters Legal matters Landholder agreement Geotechnical investigation Concept design Environmental Impact Assessment Approvals Detail design and contract documentation Tender and award CONSTRUCTION Construction contingency Commissioning Supervision Pipeline operational Defects Liability Period | 2.5w 104w 12w 52w 26w 12w 8w 26w 12w 12w 12w 12w 12w 12w 52w 1d 12w 64w 0d 52w 12w | 100h 4160h 480h 2080h 1040h 480h 320h 1040h 480h 480h 480h 2080h 0h 480h 2560h 0h 2080h | \$200,000 \$50,000 \$200,000 \$200,000 \$50,000 \$50,000 \$100,000 \$110,000 \$0 \$1,622,600 \$20,000 \$11,570,400 \$0 \$2,892,600 \$0 \$2,892,600 \$0 \$0 \$0 \$0 \$0 \$1,570,400 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$ | 1/11/2017 17/11/2017 15/11/2019 15/11/2019 7/02/2020 7/08/2020 25/12/2020 25/06/2021 24/12/2021 18/03/2022 10/06/2022 2/09/2022 1/09/2023 2/09/2023 2/11/2023 2/11/2023 2/11/2023 | 31/10/2017 17/11/2017 15/11/2019 7/02/2020 13/11/2020 7/08/2020 25/12/2020 25/12/2020 25/06/2021 24/12/2021 18/03/2022 1/09/2023 4/09/2023 24/11/2023 24/11/2023 24/11/2023 22/11/2024 14/02/2025 | - - - - - - - - - - - - - - - - - - - | | | \$25,069 | \$200,000 \$125,275 | \$10,440 \$50,000 \$200,000 \$100,000 \$4,121 | - \$1,622,600 | \$47,839,154 - - | \$11,570,400 - |
| 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 | 4.5 4.6 4.7 4.8 4.9 4.1 4.12 4.13 4.14 4.15 4.16 4.17 4.18 4.19 4.2 | Engage Project Manager Cost Sharing & Service Agreement for APC Site Survey Land Matters Legal matters Landholder agreement Geotechnical investigation Concept design Environmental Impact Assessment Approvals Detail design and contract documentation Tender and award CONSTRUCTION Construction contingency Commissioning Supervision Pipeline operational Defects Liability Period Finalisation | 2.5w 104w 12w 52w 26w 12w 8w 26w 12w 12w 12w 12w 1d 12w 64w 0d 52w | 100h 4160h 480h 2080h 1040h 480h 320h 1040h 1040h 480h 480h 480h 2080h 0h 480h 2080h 0h | \$200,000 \$50,000 \$200,000 \$200,000 \$50,000 \$50,000 \$100,000 \$110,000 \$0 \$1,622,600 \$20,000 \$11,570,400 \$0 \$0 \$1,570,400 \$0 \$0 \$0 \$1,570,400 \$0 \$0 \$0 \$0 \$0 \$1,570,400 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$ | 1/11/2017 17/11/2017 15/11/2019 15/11/2019 15/11/2019 17/02/2020 7/08/2020 25/12/2020 25/12/2020 25/06/2021 24/12/2021 18/03/2022 1/09/2022 1/09/2023 1/09/2023 24/11/2023 24/11/2023 22/11/2024 2/07/2018 | 31/10/2017 17/11/2017 15/11/2019 7/02/2020 13/11/2020 25/12/2020 25/12/2020 25/12/2020 25/06/2021 24/12/2021 18/03/2022 10/06/2022 2/09/2022 1/09/2023 24/11/2023 24/11/2023 24/11/2023 22/11/2024 | - - - - - - - - - - - - - - - - - - - | | | \$25,069 - - - - - - - - - - - - - - - - - - - | \$200,000 \$125,275 | \$10,440 \$50,000 \$200,000 \$100,000 \$4,121 | - \$1,622,600 | \$47,839,154 - - | \$11,570,400 - |
| 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 | 4.5 4.6 4.7 4.8 4.9 4.1 4.12 4.13 4.14 4.15 4.16 4.17 4.18 4.19 4.2 4.21 4.22 5 | Engage Project Manager Cost Sharing & Service Agreement for APC Site Survey Land Matters Legal matters Landholder agreement Geotechnical investigation Concept design Environmental Impact Assessment Approvals Detail design and contract documentation Tender and award CONSTRUCTION Construction contingency Commissioning Supervision Pipeline operational Defects Liability Period Finalisation STAGE 3 - WARREN BOREFIELD INVESTIGATION | 2.5w 104w 12w 52w 26w 12w 8w 26w 12w 12w 12w 12w 12w 52w 1d 12w 64w 0d 52w 12w 390d | 100h 4160h 480h 2080h 1040h 480h 320h 1040h 480h 480h 480h 480h 480h 2080h 0h 480h 2080h 0h 480h 3120h | \$200,000 \$50,000 \$200,000 \$200,000 \$50,000 \$50,000 \$100,000 \$110,000 \$0 \$1,622,600 \$20,000 \$11,570,400 \$0 \$2,892,600 \$0 \$2,892,600 \$0 \$0 \$0 \$0 \$0 \$1,570,400 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$ | 1/11/2017 17/11/2017 17/11/2019 15/11/2019 15/11/2019 7/02/2020 7/08/2020 30/10/2020 25/12/2020 25/06/2021 24/12/2021 18/03/2022 1/09/2022 2/09/2022 1/09/2023 1/09/2023 24/11/2023 22/11/2024 2/07/2018 | 31/10/2017 17/11/2017 15/11/2019 7/02/2020 13/11/2020 7/08/2020 25/12/2020 25/12/2020 25/12/2020 25/06/2021 24/12/2021 18/03/2022 1/09/2023 4/09/2023 4/09/2023 24/11/2023 24/11/2023 22/11/2024 14/02/2025 27/12/2019 | - - - - - - - - - - - - - - - - - - - | | | | \$200,000 \$125,275 | \$10,440 \$50,000 \$200,000 \$100,000 \$4,121 | - \$1,622,600 | \$47,839,154 - - | \$11,570,400 - |
| 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 | 4.5 4.6 4.7 4.8 4.9 4.1 4.11 4.12 4.13 4.14 4.15 4.16 4.19 4.2 4.2 4.2 4.2 5 5.1 | Engage Project Manager Cost Sharing & Service Agreement for APC Site Survey Land Matters Legal matters Lendholder agreement Geotechnical investigation Concept design Environmental Impact Assessment Approvals Detail design and contract documentation Tender and award CONSTRUCTION Construction contingency Commissioning Supervision Pipeline operational Defects Liability Period Finalisation STAGE 3 - WARREN BOREFIELD INVESTIGATION Regional Hydrogeological assessment | 2.5w 104w 12w 52w 26w 12w 8w 26w 12w 12w 12w 12w 12w 12w 12w 12w 12w 12 | 100h 4160h 480h 2080h 1040h 480h 320h 1040h 480h 480h 480h 480h 2080h 0h 480h 2080h 0h 480h 3120h 520h | \$200,000 \$50,000 \$200,000 \$200,000 \$50,000 \$50,000 \$50,000 \$100,000 \$150,000 \$0 \$1,622,600 \$20,000 \$57,852,000 \$11,570,400 \$0 \$2,892,600 \$0 \$0 \$0 \$1,620,000 \$1,620,000 \$1,620,000 \$1,620,000 \$1,620,000 \$1,620,000 \$1,620,000 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 | 1/11/2017 17/11/2017 17/11/2019 15/11/2019 15/11/2019 17/02/2020 7/08/2020 30/10/2020 25/12/2020 25/06/2021 24/12/2021 18/03/2022 1/09/2022 1/09/2023 1/09/2023 2/09/2022 24/11/2023 22/11/2024 2/07/2018 1/10/2018 | 31/10/2017 17/11/2017 15/11/2019 7/02/2020 13/11/2020 7/08/2020 30/10/2020 25/12/2020 25/12/2020 25/06/2021 24/12/2021 18/03/2022 1/09/2023 4/09/2023 24/11/2023 24/11/2023 22/11/2024 14/02/2025 27/12/2019 28/09/2018 | | | | - - - - - - - - - - - - - - - - - - - | \$200,000 \$125,275 | \$10,440 \$50,000 \$200,000 \$100,000 \$4,121 | - \$1,622,600 | \$47,839,154 - - | \$11,570,400 - |
| 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 | 4.5 4.6 4.7 4.8 4.9 4.1 4.11 4.12 4.13 4.14 4.15 4.16 4.17 4.18 4.19 4.2 4.21 4.21 5.5.1 | Engage Project Manager Cost Sharing & Service Agreement for APC Site Survey Land Matters Legal matters Landholder agreement Geotechnical investigation Concept design Environmental Impact Assessment Approvals Detail design and contract documentation Tender and award CONSTRUCTION Construction contingency Commissioning Supervision Pipeline operational Defects Liability Period Finalisation STAGE 3 - WARREN BOREFIELD INVESTIGATION Regional Hydrogeological assessment Preliminary hydrogeological studies | 2.5w 104w 12w 52w 26w 12w 8w 26w 12w 12w 12w 12w 12w 12w 12w 12w 12w 14 12v 64w 0d 52w 12w 13w 13w | 100h 4160h 480h 2080h 1040h 480h 320h 1040h 480h 480h 480h 480h 2080h 0h 480h 2560h 0h 2080h 480h 3120h 520h | \$200,000 \$50,000 \$200,000 \$200,000 \$50,000 \$50,000 \$50,000 \$100,000 \$150,000 \$0 \$1,622,600 \$20,000 \$57,852,000 \$11,570,400 \$0 \$0 \$0 \$1,892,600 \$0 \$0 \$1,892,600 \$0 \$0 \$1,892,600 \$0 \$0 \$1,892,600 \$0 \$0 \$1,892,600 \$0 \$0 \$0 \$1,892,600 \$0 \$0 \$1,892,600 \$0 \$0 \$0 \$1,892,600 \$0 \$0 \$1,892,600 \$0 \$0 \$1,892,600 \$0 \$0 \$0 \$1,892,600 \$0 \$0 \$0 \$1,892,600 \$0 \$1,892,600 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$ | 1/11/2017 17/11/2017 15/11/2019 15/11/2019 15/11/2019 1/02/2020 30/10/2020 30/10/2020 25/12/2020 25/06/2021 24/12/2021 18/03/2022 1/09/2022 1/09/2023 2/09/2022 24/11/2023 2/11/2023 2/11/2024 2/07/2018 1/10/2018 31/12/2018 | 31/10/2017 17/11/2017 15/11/2019 7/02/2020 13/11/2020 30/10/2020 30/10/2020 25/12/2020 25/12/2020 25/06/2021 24/12/2021 18/03/2022 1/09/2023 24/11/2023 24/11/2023 24/11/2023 22/11/2024 14/02/2025 27/12/2019 28/09/2018 | | | | | \$200,000 \$125,275 | \$10,440 \$50,000 \$200,000 \$100,000 \$4,121 | - \$1,622,600 | \$47,839,154 - - | \$11,570,400 - |
| 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 | 4.5 4.6 4.7 4.8 4.9 4.1 4.11 4.12 4.13 4.14 4.15 4.16 4.17 4.18 4.21 4.21 5 5.1 5.2 5.3 | Engage Project Manager Cost Sharing & Service Agreement for APC Site Survey Land Matters Legal matters Landholder agreement Geotechnical investigation Concept design Environmental Impact Assessment Approvals Detail design and contract documentation Tender and award CONSTRUCTION Construction contingency Commissioning Supervision Pipeline operational Defects Liability Period Finalisation STAGE 3 - WARREN BOREFIELD INVESTIGATION Regional Hydrogeological assessment Preliminary hydrogeological studies Procurement options study | 2.5w 104w 12w 52w 26w 12w 8w 26w 12w 12w 12w 12w 12w 12w 12w 12w 13w 13w 13w | 100h 4160h 480h 2080h 1040h 480h 320h 1040h 480h 480h 480h 480h 2080h 0h 480h 2560h 0h 520h 520h 520h | \$200,000 \$50,000 \$200,000 \$200,000 \$50,000 \$50,000 \$100,000 \$150,000 \$0 \$1,622,600 \$20,000 \$11,570,400 \$0 \$2,892,600 \$0 \$0 \$1,570,400 \$0 \$1,570,400 \$0 \$0 \$1,570,400 \$0 \$1,570,400 \$0 \$1,570,400 \$0 \$1,570,400 \$0 \$1,570,400 \$0 \$1,570,400 \$0 \$1,570,400 \$0 \$1,570,400 \$0 \$1,570,400 \$0 \$0 \$1,570,000 \$0 \$0 \$0 \$1,570,000 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 | 1/11/2017 17/11/2017 15/11/2019 15/11/2019 15/2/2020 7/08/2020 30/10/2020 25/12/2020 25/12/2020 25/12/2020 24/12/2021 18/03/2022 24/12/2021 1/09/2023 1/09/2023 2/11/2023 22/11/2023 22/11/2024 2/07/2018 1/10/2018 31/12/2018 1/04/2019 1/07/2019 | 31/10/2017 17/11/2017 15/11/2019 7/02/2020 13/11/2020 30/10/2020 30/10/2020 25/12/2020 25/06/2021 24/12/2021 18/03/2022 1/09/2022 1/09/2023 24/11/2023 24/11/2023 24/11/2023 24/11/2023 24/11/2024 14/02/2025 27/12/2019 28/09/2018 28/12/2018 | | | | | \$200,000 \$125,275 | \$10,440 \$50,000 \$200,000 \$100,000 \$4,121 | - \$1,622,600 | \$47,839,154 - - | \$11,570,400 - |

Appendix C Capital Works Plans – Refer to Excel spreadsheets

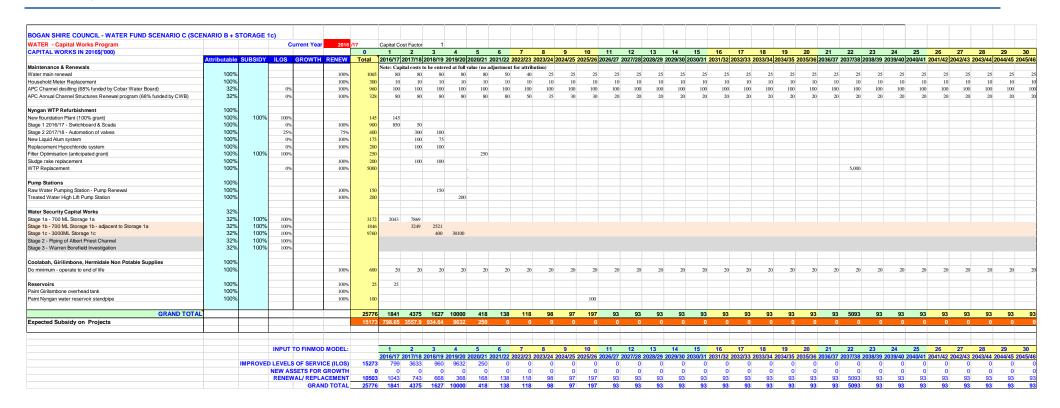




Bogan Shire Council

Water Supply and Sewerage Business: Financial Plan

Version 1.1, March 2017



Version 1.1, March 2017

| WATER - Canital Works Program | | | Current Y | 2016 | /17 | Capital Co | st Factor | - 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---------|---|----------|--------|------------|-----------|------|------|-----|-----------|------|-------|------------|-----------|-----------|-----------|------------|-------|-----------|---------|---------|----------|---------|---------|---------|---------|----------|-----------|------------|---------------|-----------|---------|----|
| | | | - Junioni I | 2010 | | 1 | | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 1 | 12 | 13 1 | 1 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | |
| 7/1 17/12 17 Olitico III 20100(000) | Attributable | SUBSIDY | ILOS GROW | TH PENEW | | 2016/17 | | | | | 0021/22 2 | | | | | | | | | | | | | | | | | | | | | | | |
| Azintananca & Panawale | Title State | 0000.0. | izoo oiton | | . otu. | | | | | | | | | 02-11-20 2 | 020/20 20 | -0/2/ -02 | .,,20,20. | -0,20 2020 | 20001 | 2. 200170 | 2 20020 | 2000,04 | 200-1100 | 2000,00 | 2000/01 | 2001700 | 2000/00 | 2000/-10 | 20-10/-11 | 20-7-17-12 | 2012/10 2 | 0.10, 1.1 | 71110 2 | |
| | 1009/ | | | 1000/ | 1065 | | | | | | | | | 25 | 25 | 25 | 26 | 26 | 26 | 25 . | 26 2 | | 26 | 26 | 26 | 26 | 26 | 25 | 25 | 25 | 26 | 26 | 26 | |
| | | | | | | | 10 | 10 | 10 | 10 | 10 | - 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 23 2 | 0 10 | 10 | 10 | | | 10 | 10 | 10 | 10 | | | | |
| | | | 00/ | | | | 100 | 100 | 100 | 100 | 100 | 10 | 100 | 100 | 100 | 100 | 100 | 100 | 100 1 | 00 1 | 00 10 | 0 100 | 100 | 100 | - 10 | - 10 | 100 | 100 | 100 | 100 | 10 | | | |
| | 32% | | 0.70 | | | | | | | | | | 25 | | 20 | | 20 | 20 | | | | 0 100 | | | | | | | | | | | | |
| A C Allindar Criatiller Structures (teriewar program (66 % funded by CW b) | 32.70 | | 0,0 | 100% | 320 | 00 | - 50 | 00 | 80 | 80 | 80 | | 33 | .50 | .50 | 20 | 20 | 20 | 20 | 20 . | 20 2 | 0 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | - 20 | |
| Nyngan WTP Refurbishment | 100% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | $\overline{}$ | - | - | |
| Attributable SUBSIDY ILOS GROWTH RENEW Total 2016/17 2017/18 2016/17 2017/18 2016/17 2017/18 2016/17 2017/18 2018/19 201 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Paint Girilambone overhead tank | 100% | | | 100% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Paint Nyngan water reservoir standpipe | | | | 100% | 100 | 1 | | | | | | | | | 100 | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | GRAND TOTAL | AL | | | | 40083 | 1857 | 4444 | 1507 | 487 | 558 | 705 | 16053 | 7309 | 97 | 197 | 93 | 93 | 93 | 93 9 | 93 9 | 3 9: | 3 93 | 93 | 93 | 93 | 5093 | 93 | 93 | 93 | 93 | 93 | 93 | 93 |
| | Expected Subsidy on Projects | | | | | | | 3627 | 815 | 120 | | 567 | 15935 | 7210 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0. | 0. | 0 | 0 | 0 |
| | , | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | _ | |
| | Virtual Content | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | . 0 | 0 | 0 | | | | | | | | | | | | | | | | | | | | | |
| | | | 100% 100% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Version 1.1, March 2017

| WATER - Capital Works Program | | | C | urrent Yea | 2016 | /17 | Capital C | ost Factor | - 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|-----------------|---------|----------|------------|------------|-------|-----------|------------|-----------|------------|-----------|----------|----------------|-----------|------------|----------|-----------|----------|-----------|----------|-----------|-----------|--------|---------|----------|---------|--------|----------|-----------|---------|---------------|-----------|------------|-----------|----------|---------|
| CAPITAL WORKS IN 2016\$('000) | | | | | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 1 | n . | 11 1 | 2 1 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 3 |
| 7/1 17/12 17 OKKIO III 20100(000) | Attributable | SUBSIDY | II OS | GROWTH | RENEW | Total | 2016/17 | 2017/18 | | 019/20 2 | 120/21 20 | 21/22 20 | 022/23 202 | | | | | | | | | | | | | | | | | | | | | | | |
| Naintenance & Renewals | 7 tti isataisio | 0000.0. | 1200 | O.CO | | rotai | | | | | | | or attribution | | -1/20 2020 | ,, LO LO | 20/21 202 | .,,_0 | .0,20 202 | 20/00 20 | 200/01 20 | JO 1702 2 | 002/00 | 2000,01 | 200-1/00 | 2000,00 | 2000,0 | . 200.70 | 200010 | 0 2000/ | 10 20 101 | 11 20 11/ | 12 20 12 1 | 0 20 10/1 | 12014 | 10 20. |
| Vater main renewal | 100% | - | | | 100% | 1065 | 80 | | 80 | 80 | 80 80 | 50 | 40 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 2 | 5 2 | - | 25 | 25 | 25 | 25 | 25 2 | 25 | 25 | 25 |
| Household Meter Replacement | 100% | | | | 100% | 300 | 10 | 00 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | | _ | | | 20 | | | 10 1 | | | 10 |
| APC Channel desilting (68% funded by Cobar Water Board) | 32% | | 0% | | 100% | 960 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 10 | 0 1 | 00 1 | 00 | 100 | 100 | 100 1 | 100 10 | | 100 |
| APC Annual Channel Structures Renewal program (68% funded by CWB) | 32% | - | 0% | | 100% | 328 | 80 | | 80 | 80 | 80 | 90 | 50 | 25 | 30 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 10 | 0 1 | 20 | 20 | 20 | 20 | | | | 20 |
| A C Allitual Citatille Structures (Verlewal program (00%) furtured by CWD) | 3270 | - | 070 | | 100% | 320 | 00 | 80 | 00 | 00 | 00 | 00 | | 33 | .50 | 30 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | | , - | | 20 | 20 | 20 | 20 | 20 2 | 20 . | 20 - | 20 |
| Nyngan WTP Refurbishment | 100% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | + | | +- | | | | +- |
| New flouridation Plant (100% grant) | 100% | 100% | 100% | | | 145 | 145 | | | | | | | | | | | | | | | | | | | | | _ | _ | +- | | | +- | +- | +- | + |
| Stage 1 2016/17 - Switchboard & Scada | 100% | 100 /8 | 100% | | 100% | 900 | 850 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Stage 2 2017/18 - Automation of valves | 100% | - | 25% | 1 | 75% | 400 | 8.00 | 300 | 100 | | | _ | | | | | | | | | | | | | | | | _ | | + | | | | + | | +- |
| New Liquid Alum system | 100% | | 23% | | 100% | 175 | | 100 | 75 | - | | | | | | | | | | | - | - | | | | | | | | +- | +- | +- | + | +- | +- | + |
| New Liquid Alum system Replacement Hypochloride system | 100% | | 0% | 1 | 100% | 200 | - | 100 | | | | | | _ | | | | - | | | | - | | | | | - | - | - | + | + | + | + | + | + | +- |
| Filter Optimisation (anticipated grant) | 100% | 100% | 100% | | 100% | 250 | | 100 | 100 | | 250 | - | | | | _ | | | | | | | | | | | | | _ | +- | +- | | | + | | +- |
| Sludge rake replacement | 100% | 100% | 100% | | 100% | 200 | - | 100 | 100 | - | 230 | | | | | _ | | | | - | | - | | | | | - | - | _ | + | +- | +- | | + | + | +- |
| NTP Replacement | 100% | - | 0% | | 100% | 5000 | | 100 | 100 | - | | - | | | | _ | | _ | | _ | | - | | | | | - | 5.0 | 00 | - | | +- | | + | + | |
| W I P Replacement | 100% | - | 0% | | 100% | 5000 | - | | | - | | _ | | | | - | | | | _ | | | | | | | | 5,0 | 00 | | | | | | | - |
| D 04-41 | 4000/ | - | | | | | | | | - | | - | | | | _ | | | | _ | | | | | | | | - | _ | - | | +- | | + | +- | - |
| Pump Stations Raw Water Pumping Station - Pump Renewal | 100% 100% | | | | 100% | 150 | | | 150 | | | _ | | | | _ | | | | _ | | | | | | | | _ | _ | | | | | | | - |
| Treated Water High Lift Pump Station | 100% | - | | | 100% | 200 | - | | 150 | 200 | | _ | | | | - | | | | _ | | | | | | | | | - | | | | | | | - |
| reated water high Lift Pump Station | 100% | - | | | 100% | 200 | | | | 200 | | _ | | | | _ | | | | | | | | | | | | _ | - | | | - | | +- | + | - |
| Water Security Capital Works | 32% | - | | | | | | | | | | _ | | | | _ | | | | _ | | | | | | | | _ | _ | | | | | | | - |
| | 32% | 100% | 1000/ | | | 2172 | 2012 | 7869 | | | | _ | | | | - | | | | _ | | | | | | | | | - | | | | | | | - |
| Stage 1a - 700 ML Storage 1a | | | 100% | | | 3172 | 2043 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Stage 1b - 700 ML Storage 1b - adjacent to Storage 1a | 32% | 100% | 100% | 1 | | 1846 | | 3249 | 2521 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Stage 1c - 3000ML Storage 1c | 32% | 100% | 100% | | | 9760 | | | 400 | 30100 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Stage 2 - Piping of Albert Priest Channel | 32% | 100% | 100% | 4 | | 24066 | 50 | 215 | 25 | 374 | 439 | 1773 | 49798 | 22532 | | | | | | | | | | | | | | | | | | | | | | |
| Stage 3 - Warren Borefield Investigation | 32% | 100% | 100% | | | 160 | | | 200 | 300 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 4000/ | | | | | | | | | - | | - | | | | - | | | | _ | | _ | | | | | | - | - | | | | | | - | - |
| Coolabah, Girilimbone, Hermidale Non Potable Supplies | 100% | | | | | | | | | | | - | | | | _ | | | | | | | | | | | | | - | +- | +- | | | | | - |
| Do minimum - operate to end of life | 100% | | | | 100% | 600 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |) 2 | 0 | 20 | 20 | 20 | 20 | 20 2 | 20 | 20 : | 20 |
| | 4000/ | | | | | | | | | - | | _ | | | | _ | | _ | | - | | - | | | | | - | - | - | | | + | | | - | |
| Reservoirs | 100% | | | 1 | 100% | 25 | 25 | | | | | | | | | _ | | _ | | - | | _ | | | | | | - | - | + | \rightarrow | + | + | +- | +- | + |
| Paint Girlambone overhead tank | 100% | | | | 100% | | | | - | - | | _ | | | | | | _ | | - | - | - | | | | | - | - | _ | | | + | | | | |
| Paint Nyngan water reservoir standpipe | 100% | | | | 100% | 100 | | | | - | | _ | | | | 100 | | _ | | - | - | - | | | | | - | - | - | - | - | | | | - | - |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GRAND TOTA | AL | | | | | 50003 | | | | | 558 | 705 | | 7309 | 97 | 197 | 93 | 93 | 93 | 93 | 93 | 93 | 93 | 93 | 93 | 93 | 9: | 3 509 | 93 9 | 93 9 | 93 9 | 93 9 | 93 9 | 93 9 | 93 9 | 93 |
| Expected Subsidy on Projects | | | | | | 39400 | 815 | 3627 | 1007 | 9848 | 391 | 567 | 15935 | 7210 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | _[| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | - | | | | | | | | | - | | | \perp | | | | |
| | | | INIBUTE. | TO FINITE | D MODE: | | _ | | • | | _ | • | _ | • | | _ | | • | | | 45 | 40 | 4- | 40 | 40 | | - 04 | 0.5 | | | | | | | | |
| | | | INPUT | TO FINMO | D MODEL: | | 1 | 2 | 3 | 4 | 5 | p | / | 8 | 9 1 | | | | | | | 16 | 17 | 18 | 19 | 20 | 21 | 22 | | | | | | | | |
| | | | | | | | | | 2018/19 2 | 1019/20 20 | JZU/21 20 | 21/22 20 | 022/23 202 | 23/24 202 | 4/25 2025 | 26 202 | 26/27 202 | 1128 202 | 28/29 202 | 29/30 20 | U3U/31 20 | J31/32 2 | U32/33 | 2033/34 | 2034/35 | 2035/36 | 2036/3 | 2037/3 | se 2038/3 | 9 2039/ | 10 2040/4 | #1 2041/ | 12 2042/4 | 13 2043/4 | 4 2044/4 | 15 2045 |
| | | | | | ICE (ILOS) | | | | 1032 | 9848 | 391 | 567 | 15935 | /210 | 0 | U | 0 | U | 0 | 0 | 0 | 0 | 0 | 0 | . 0 | |) (| U | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | GROWTH | | 0 | U | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (| , | U | U | U | U | U | 0 | U | 0 | 0 |
| | | | RENEV | VAL/ REPL | AC:EMENT | 10503 | 1043 | 743 | 668 | 368 | 168 | 138 | 118 | 98 | 97 | 197 | 93 | 93 | 93 | 93 | 93 | 93 | 93 | 93 | 93 | 93 | 3 93 | 3 509 | | 93 9 | 93 9 | 93 9 | 93 9 | 93 9 | 93 9 | 93 |

Bogan Shire Council

Water Supply and Sewerage Business: Financial Plan

Version 1.1, March 2017

| BOGAN SHIRE COUNCIL - SEWER FUND | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---------|--------|-------------|--------|-------|------------|-----------|---------|---------|---------|---------|---------|------------|-----------|----------|----------|---------|--------|---------|---------|-----------|--------|---------|---------|---------|---------|----------|-----------|---------|---------|---------|-----------|-----------|---------|------|
| SEWER - Capital Works Program | | С | urrent Year | 2016 | /17 | Capital Co | st Factor | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CAPITAL WORKS IN 2016\$('000) | | | | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |
| | SUBSIDY | ILOS | GROWTH | RENEW | Total | 2016/17 | 2017/18 | 2018/19 | 2019/20 | 2020/21 | 2021/22 | 2022/23 | 2023/24 20 | 24/25 202 | 25/26 20 | 26/27 20 | 27/28 2 | 028/29 | 2029/30 | 2030/31 | 2031/32 2 | 032/33 | 2033/34 | 2034/35 | 2035/36 | 2036/3 | 7 2037/3 | 8 2038/39 | 2039/40 | 2040/41 | 2041/42 | 2042/43 2 | 043/44 | 2044/45 | 045/ |
| Renewals | | | | | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sewer Main Renewals | | | | 100% | 1,000 | | | | | | 200 | | | | | 200 | | | | | 200 | | | | | 20 | 0 | | | | 200 | | | | |
| Inspect Pump Stations and Reline | | | | 100% | 375 | | 25 | | 25 | | 25 | | 25 | | 25 | | 25 | | 25 | | 25 | | 25 | | 25 | 5 | | 15 | 25 | | 25 | | 25 | | |
| Pump Mech & Elec renewals (All replaced after 1990 flood - assume 40 year life) | | | | 100% | 500 | | | | | | | | | | | | | | 500 | | | | | | | | | | | | | | | | |
| Connect Sewer to SCADA | | 100% | | | 100 | | | | 100 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| STP Improvements | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Process Review | | | | 100% | 50 | | 50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Construction of two effluent biosolid ponds NO | | | | 100% | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Addition of a chlorinator on the reuse outlet line | | | | 100% | 50 | | | 50 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Removal of sludge from the primary lagoon YES | | | | 100% | 100 | | | 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Removal of sludge from the secondary lagoon YES | | | | 100% | 100 | | | | | | | | | | | | | | | 100 | | | | | | | | | | | | | | | |
| Pumps to prevent blue green algae formation - NO | | | | 100% | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Purchase of high volume low lift pumps for better draining of ponds | | | | 100% | 50 | | | 50 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Construction of a sludge drying area YES | | | | 100% | 50 | | | 50 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GRAND TOTAL | | | | | 2375 | 0 | 75 | 250 | 125 | 0 | 225 | 0 | 25 | 0 | 25 | 200 | 25 | 0 | 525 | 100 | 225 | 0 | 25 | 0 | 25 | 20 | 0 2 | 5 0 | 25 | 0 | 225 | 0 | 25 | 0 | |
| | | | | | res | idual life | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |) 2 | 1 22 | 2 23 | 24 | 25 | 26 | 27 | 28 | |
| Expected Subsidy / Contribution on Projects | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | C | | 0 | 0 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | _ | | _ |
| | | INPUT | TO FINMOD | MODEL: | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | | | | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |
| | | | | | | 2016/17 | 2017/18 2 | 2018/19 | 2019/20 | 2020/21 | 2021/22 | 2022/23 | 2023/24 20 | 24/25 202 | 25/26 20 | 26/27 20 | 27/28 2 | 028/29 | 2029/30 | 2030/31 | 2031/32 2 | 032/33 | 2033/34 | 2034/35 | 2035/36 | 2036/37 | 7 2037/3 | 8 2038/39 | 2039/40 | 2040/41 | 2041/42 | 2042/43 2 | .043/44 2 | 2044/45 | .045 |
| | IMPROVE | | S OF SERVIC | | 100 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | C |) (|) | 0 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | NEW AS | SETS FOR G | ROWTH | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |) (|) | 0 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | RENEV | VAL/ REPLA | CEMENT | 2275 | 0 | 75 | 250 | 25 | 0 | 225 | 0 | 25 | 0 | 25 | 200 | 25 | 0 | 525 | 100 | 225 | 0 | 25 | 0 | 25 | 20 |) 2 | 5 0 | 25 | 0 | 225 | 0 | 25 | 0 | |
| | | | GRANI | TOTAL | 2375 | 0 | 75 | 250 | 125 | 0 | 225 | 0 | 25 | 0 | 25 | 200 | 25 | 0 | 525 | 100 | 225 | 0 | 25 | 0 | 25 | 20 | 2 | 5 0 | 25 | 0 | 225 | 0 | 25 | 0 | |

Appendix D FINMOD data for water fund base case

FINMOD Bogan Shire Council

Operating Statement

| | 2016/17 | 2017/18 | 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 | 2033/34 | 2034/35 | 2035/36 | 2036/37 | 2037/38 | 2038/39 | 2039/40 | 2040/ |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------|
| XPENSES | | | | | | | | | | | | | | | | | | | | | | | | | |
| anagement Expenses | 641 | 642 | 642 | 644 | 643 | 643 | 642 | 643 | 643 | 643 | 643 | 643 | 642 | 643 | 643 | 643 | 643 | 643 | 643 | 643 | 643 | 643 | 644 | 644 | 6 |
| Administration | 138 | 139 | 140 | 140 | 140 | 140 | 140 | 140 | 140 | 140 | 140 | 140 | 140 | 140 | 140 | 140 | 140 | 140 | 140 | 140 | 140 | 140 | 141 | 141 | 1 |
| Engineering and Supervision | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 5 |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| peration and Maintenance Expenses | 1515 896 | 1517 896 | 1521 896 | 1520 896 | 1521 896 | 1521 896 | 1520 896 | 1521 896 | 1521 896 | 1521 896 | 1521 896 | 1522 896 | 1521 896 | 15 |
| Operation Expenses Maintenance Expenses | 409 | 409 | 409 | 409 | 409 | 409 | 409 | 409 | 409 | 409 | 409 | 409 | 409 | 409 | 409 | 409 | 409 | 409 | 409 | 409 | 409 | | 409 | 409 | |
| Energy Costs | 55 | 56 | 57 | 57 | 57 | 57 | 57 | 57 | 57 | 57 | 57 | 57 | 57 | 57 | 57 | 57 | 57 | 57 | 57 | 57 | 57 | 57 | 57 | 57 | |
| Chemical Costs | 81 | 82 | 83 | 83 | 83 | 83 | 83 | 83 | 83 | 83 | 83 | 83 | 83 | 83 | 83 | 83 | 83 | 83 | 83 | 83 | 83 | | 83 | 83 | |
| Purchase of Water | 74 | 75 | 76 | 76 | 76 | 76 | 76 | 76 | 76 | 76 | 76 | 76 | 76 | 76 | 76 | 76 | 76 | 76 | 76 | 76 | 76 | | 76 | 76 | |
| | 400 | 455 | 455 | 455 | 450 | 457 | 457 | 457 | 450 | 450 | 450 | 450 | 450 | 450 | 455 | 455 | 455 | 455 | 450 | 450 | 450 | 457 | 457 | 457 | |
| epreciation | 422 422 | 455 455 | 455 455 | 455 455 | 458 458 | 457 457 | 457 457 | 457 457 | 456 456 | 456 456 | 456 456 | 456 456 | 456 456 | 456 456 | 455 455 | 455 455 | 455 455 | 455 455 | 456 456 | 456 456 | 456 456 | | 457 457 | 457 457 | |
| System Assets Plant & Equipment | 422 | 455 | 433 | 455 | 436 | 457 | 407 | 0 | 436 | 456 | 406 | 406 | 0 | 436 | 455 | 455 | 455 | 400 | 436 | 436 | 436 | 457 | 457 | 457 | |
| Plant & Equipment | 0 | · · | U | · · | U | · · | U | U | U | U | 0 | U | U | U | U | · · | U | 0 | U | Ü | U | U | 0 | U | |
| terest Expenses | 0 | 20 | 30 | 29 | 27 | 26 | 23 | 22 | 21 | 20 | 18 | 16 | 15 | 14 | 11 | 10 | 9 | 7 | 5 | 3 | 2 | 1 | 0 | 0 | |
| ther Expenses | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| OTAL EXPENSES | 2578 | 2633 | 2649 | 2647 | 2649 | 2646 | 2643 | 2642 | 2642 | 2641 | 2638 | 2637 | 2634 | 2633 | 2631 | 2629 | 2628 | 2625 | 2625 | 2623 | 2622 | 2621 | 2622 | 2622 | 26 |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| EVENUES | | | | | | | | | | | | | | | | | | | | | | | | | |
| ates & Service Availability Charges | 735 | 727 | 718 | 703 | 688 | 673 | 659 | 662 | 665 | 669 | 671 | 674 | 677 | 680 | 684 | 686 | 689 | 692 | 695 | 697 | 701 | 703 | 707 | 710 | |
| Residential | 615 | 609 | 601 | 589 | 576 | 564 | 552 | 554 | 557 | 561 | 562 | 565 | 567 | 570 | 573 | 575 | 578 | 581 | 583 | 585 | 588 | 591 | 594 | 597 | |
| Non-Residential | 120 | 118 | 117 | 114 | 111 | 110 | 107 | 108 | 108 | 108 | 109 | 109 | 109 | 110 | 110 | 110 | 111 | 111 | 112 | 112 | 112 | 113 | 113 | 113 | |
| ser Charges | 1022 | 1010 | 996 | 975 | 955 | 933 | 915 | 918 | 923 | 926 | 930 | 934 | 938 | 942 | 946 | 950 | 953 | 958 | 962 | 966 | 969 | 973 | 978 | 983 | |
| Sales of Water : Residential | 625 | 618 | 609 | 596 | 584 | 571 | 560 | 562 | 565 | 568 | 571 | 573 | 576 | 578 | 581 | 584 | 586 | 589 | 592 | 595 | 597 | 600 | 602 | 606 | (|
| Sales of Water : Non-Residential | 397 | 392 | 386 | 379 | 371 | 362 | 354 | 356 | 357 | 359 | 359 | 360 | 362 | 363 | 364 | 366 | 367 | 369 | 370 | 371 | 372 | 373 | 375 | 377 | 3 |
| ctra Charges | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 64 | 54 | 57 | | 70 | 02 | 400 | 405 | 140 | 155 | 169 | 405 | 204 | 047 | 222 | 247 | 202 | 277 | 200 | 204 | 317 | 193 | 179 | 405 | |
| terest Income ther Revenues | 61 803 | 811 | 820 | 63 823 | 76 826 | 93 828 | 109 831 | 125 834 | 837 | 840 | 843 | 185 845 | 201 848 | 217 851 | 232 854 | 857 | 262 860 | 863 | 290 866 | 304 869 | 872 | | 878 | 195 881 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| rants | 808 | 2527 | 9 | 8 | 258 | 8 | 8 | 8 | 7 | 7 | 8 | 8 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 6 | 6 | 6 | 6 | 6 | |
| Grants for Acquisition of Assets | 799 9 | 2518 | 9 | 0 | 250 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 7 | 0 | 0 | 0 | 0 | 0 6 | 0 | 0 6 | 6 | 0 | |
| Pensioner Rebate Subsidy | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 8 | 7 | 7 | 8 | 8 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 6 | 6 | 6 | 6 | 6 | |
| Other Grants | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| ontributions | 236 | 238 | 240 | 241 | 242 | 243 | 244 | 245 | 246 | 247 | 248 | 249 | 250 | 251 | 252 | 253 | 254 | 255 | 256 | 257 | 258 | 259 | 260 | 261 | |
| Developer Charges | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Developer Provided Assets | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Other Contributions | 236 | 238 | 240 | 241 | 242 | 243 | 244 | 245 | 246 | 247 | 248 | 249 | 250 | 251 | 252 | 253 | 254 | 255 | 256 | 257 | 258 | 259 | 260 | 261 | 2 |
| OTAL REVENUES | 3665 | 5366 | 2839 | 2814 | 3045 | 2779 | 2765 | 2790 | 2818 | 2843 | 2869 | 2895 | 2920 | 2947 | 2975 | 2999 | 3025 | 3051 | 3076 | 3099 | 3123 | 3009 | 3009 | 3036 | 3 |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| PERATING RESULT | 1087 | 2733 | 190 | 166 | 396 | 133 | 122 | 148 | 176 | 203 | 230 | 258 | 286 | 314 | 344 | 371 | 397 | 425 | 451 | 477 | 502 | 388 | 387 | 414 | 4 |

Bogan Water Water Security Runs : A- 2016 CWP ERRR Cashflow Statement

FINMOD Bogan Shire Council

| | | | | | | | - | | O.a. | | | | | | | | | | | | | | | | |
|---|---------|-----------------|------------------|------------------|------------------|-----------|-----------|-----------|------------------|-----------|------------------|------------------|------------------|-------------------|-----------|------------------|-----------|-------------------|-------------------|-------------------|-----------|------------------|---------|---------|---------|
| | 2016/17 | 2017/18 | 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 | 2033/34 | 2034/35 | 2035/36 | 2036/37 | 2037/38 | 2038/39 | 2039/40 | 2040/41 |
| Cashflow From Operating Activities | | | | | | | | | | | | | | | | | | | | | | | | | |
| Receipts | | | | | | | | | | | | | | | | | | | | | | | | | |
| Rates and Charges | 1757 | 1737 | 1713 | 1678 | 1642 | 1607 | 1574 | 1580 | 1587 | 1595 | 1601 | 1607 | 1614 | 1621 | 1629 | 1636 | 1642 | 1650 | 1657 | 1663 | 1670 | 1676 | 1685 | 1693 | 1699 |
| Interest Income | 61 | 54 | 57 | 63 | 76 | 93 | 109 | 125 | 140 | 155 | 169 | 185 | 201 | 217 | 232 | 247 | 262 | 277 | 290 | 304 | 317 | 193 | 179 | 195 | 210 |
| Other Revenues | 803 | 811 | 820 | 823 | 826 | 828 | 831 | 834 | 837 | 840 | 843 | 845 | 848 | 851 | 854 | 857 | 860 | 863 | 866 | 869 | 872 | 875 | 878 | 881 | 884 |
| Grants | 808 | 2527 | 9 | 8 | 258 | 8 | 8 | 8 | 7 | 7 | 8 | 8 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| Contributions | 236 | 238 | 240 | 241 | 242 | 243 | 244 | 245 | 246 | 247 | 248 | 249 | 250 | 251 | 252 | 253 | 254 | 255 | 256 | 257 | 258 | 259 | 260 | 261 | 262 |
| Total Receipts from Operations | 3665 | 5366 | 2839 | 2814 | 3045 | 2779 | 2765 | 2790 | 2818 | 2843 | 2869 | 2895 | 2920 | 2947 | 2975 | 2999 | 3025 | 3051 | 3076 | 3099 | 3123 | 3009 | 3009 | 3036 | 3060 |
| Payments | | | | | | | | | | | | | | | | | | | | | | | | | |
| Management | 641 | 642 | 642 | 644 | 643 | 643 | 642 | 643 | 643 | 643 | 643 | 643 | 642 | 643 | 643 | 643 | 643 | 643 | 643 | 643 | 643 | 643 | 644 | 644 | 644 |
| Operations (plus WC Inc) | 1533 | 1535 | 1539 | 1535 | 1536 | 1535 | 1535 | 1536 | 1536 | 1537 | 1537 | 1537 | 1537 | 1536 | 1536 | 1537 | 1537 | 1537 | 1537 | 1537 | 1537 | 1537 | 1538 | 1537 | 1537 |
| Interest Expenses | 0 | 20 | 30 | 29 | 27 | 26 | 23 | 22 | 21 | 20 | 18 | 16 | 15 | 14 | 11 | 10 | 9 | 7 | 5 | 3 | 2 | 1 | 0 | 0 | 0 |
| Other Expenses | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Payments from Operations | 2174 | 2196 | 2212 | 2207 | 2206 | 2203 | 2201 | 2201 | 2200 | 2200 | 2198 | 2197 | 2194 | 2193 | 2191 | 2189 | 2189 | 2186 | 2185 | 2183 | 2181 | 2180 | 2182 | 2181 | 2181 |
| Net Cash from Operations | 1491 | 3170 | 627 | 606 | 839 | 575 | 565 | 590 | 618 | 644 | 671 | 698 | 726 | 754 | 783 | 810 | 837 | 865 | 891 | 916 | 942 | 829 | 827 | 855 | 879 |
| Cashflow from Capital Activities | | | | | | | | | | | | | | | | | | | | | | | | | |
| Receipts. | | | | | | | | | | | | | | | | | | | | | | | | | |
| Proceeds from Disposal of Assets | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Payments | | | | • | | | | | | | | | | | | | | | | | | | | | |
| Acquisition of Assets | 1842 | 3337 | 693 | 368 | 418 | 138 | 118 | 98 | 97 | 197 | 93 | 93 | 93 | 93 | 93 | 93 | 93 | 93 | 93 | 93 | 93 | 5093 | 93 | 93 | 93 |
| Net Cash from Capital Activities | -1842 | -3337 | -693 | -368 | -418 | -138 | -118 | -98 | -97 | -197 | -93 | -93 | -93 | -93 | -93 | -93 | -93 | -93 | -93 | -93 | -93 | -5093 | -93 | -93 | -93 |
| CashFlow from Financing Activities | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| Receipts | _ | | | | | | | | | | | | | | | | | | | | | | | | _ |
| New Loans Required | 0 | 303 | 178 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Payments | | | | 40 | | | | | 40 | | | | 40 | | | | | | | | | 40 | | | |
| Principal Loan Payments | 0 | 8 296 | 11 167 | 13 -13 | 14 -14 | 14 -14 | 15 -15 | 15 -15 | 16 -16 | 17 -17 | 17 -17 | 18 -18 | 19 -19 | 20 - 20 | 20 -20 | 21 -21 | 22 -22 | 22 - 22 | 24 - 24 | 24 - 24 | 26 -26 | 10 -10 | 0 | 0 | 0 |
| Net Cash from Financing Activities | | 290 | 107 | -13 | -14 | -14 | -15 | -15 | -10 | -17 | -17 | -10 | -19 | -20 | -20 | -21 | -22 | -22 | -24 | -24 | -20 | -10 | | | · |
| TOTAL NET CASH | -351 | 129 | 101 | 226 | 407 | 423 | 432 | 477 | 506 | 430 | 561 | 588 | 614 | 642 | 671 | 695 | 721 | 749 | 773 | 799 | 824 | -4274 | 734 | 762 | 786 |
| Current Year Cash | -351 | 129 | 101 | 226 | 407 | 423 | 432 | 477 | 506 | 430 | 561 | 588 | 614 | 642 | 671 | 695 | 721 | 749 | 773 | 799 | 824 | -4274 | 734 | 762 | 786 |
| Cash & Investments @ Year Start | 1304 | 930 | 1033 | 1106 | 1299 | 1664 | 2037 | 2409 | 2815 | 3240 | 3580 | 4040 | 4515 | 5004 | 5508 | 6028 | 6560 | 7104 | 7661 | 8229 | 8807 | 9396 | 4998 | 5592 | 6199 |
| Cash & Investments @ Year End | 953 | 1059 | 1134 | 1332 | 1706 | 2088 | 2469 | 2886 | 3321 | 3670 | 4141 | 4628 | 5129 | 5646 | 6179 | 6724 | 7281 | 7853 | 8435 | 9028 | 9631 | 5123 | 5732 | 6354 | 6985 |
| Capital Works Funding: | | | | | | | | | | | | | | | | | | | | | | | | | |
| Internal Funding for New Works (\$'000) | 0 | 75 | 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Internal Funding for Renewals | 1043 | 440 | 490 | 368 | 168 | 138 | 118 | 98 | 97 | 197 | 93 | 93 | 93 | 93 | 93 | 93 | 93 | 93 | 93 | 93 | 93 | 5093 | 93 | 93 | 93 |
| New Loans | 0 | 303 | 178 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Grants | 799 | 2518 | 0 | 0 | 250 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Capital Works | 1842 | 3337 | 693 | 368 | 418 | 138 | 118 | 98 | 97 | 197 | 93 | 93 | 93 | 93 | 93 | 93 | 93 | 93 | 93 | 93 | 93 | 5093 | 93 | 93 | 93 |

Printed 31/01/2017 Values in 2016/17 \$*000

FINMOD Bogan Shire Council

Statement of Financial Position

| | 2016/17 | 2017/18 | 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 | 2033/34 | 2034/35 | 2035/36 | 2036/37 | 2037/38 | 2038/39 | 2039/40 | 2040/ |
|--------------------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|------------|
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| ash and Investments | 953 | 1059 | 1134 | 1332 | 1706 | 2088 | 2469 | 2886 | 3321 | 3670 | 4141 | 4628 | 5129 | 5646 | 6179 | 6724 | 7281 | 7853 | 8435 | 9028 | 9631 | 5123 | 5732 | 6354 | 69 |
| eceivables | 581 | 586 | 592 | 594 | 596 | 597 | 599 | 602 | 603 | 605 | 608 | 610 | 612 | 614 | 616 | 618 | 620 | 622 | 624 | 626 | 628 | 630 | 633 | 635 | 6 |
| rentories | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| operty, Plant & Equipment | 14741 | 17623 | 17861 | 17773 | 17734 | 17415 | 17076 | 16718 | 16358 | 16099 | 15736 | 15373 | 15010 | 14648 | 14285 | 13924 | 13562 | 13200 | 12837 | 12474 | 12110 | 16746 | 16382 | 16018 | 156 |
| stem Assets (1) | 14741 | 17623 | 17861 | 17773 | 17734 | 17415 | 17076 | 16718 | 16358 | 16099 | 15736 | 15373 | 15010 | 14648 | 14285 | 13924 | 13562 | 13200 | 12837 | 12474 | 12110 | 16746 | 16382 | 16018 | 156 |
| ant & Equipment | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| ther Assets | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| OTAL ASSETS | 16275 | 19268 | 19586 | 19699 | 20036 | 20100 | 20144 | 20205 | 20282 | 20375 | 20485 | 20611 | 20751 | 20907 | 21080 | 21266 | 21463 | 21674 | 21895 | 22127 | 22369 | 22498 | 22747 | 23007 | 232 |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| ABILITIES | | | | | | | | | | | | | | | | | | | | | | | | | |
| nk Overdraft | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| editors rrowings | 50 0 | 51 296 | 51 455 | 52 431 | 53 406 | 53 | 53 358 | 54 | 54 | 54 | 55 262 | 55 | 55 | 55 189 | 55 | 55 139 | 55 | 55 88 | 55 62 | 55 36 | 55 9 | 55 | 56 | 56 | |
| prisions | 0 | 296 | 400 | 431 | 406 | 382 0 | 338 | 334 | 310 | 286 0 | 262 | 238 | 213 | 189 | 164 | 139 | 113 0 | 0 | 02 | 36 | 0 | -1 0 | -1 0 | -1 0 | |
| | v | | · · | | • | · · | | | · | | • | · | | • | · | | | • | | | • | | Ü | | |
| TAL LIABILITIES | 50 | 346 | 506 | 483 | 458 | 435 | 411 | 388 | 364 | 340 | 316 | 293 | 268 | 244 | 219 | 194 | 168 | 143 | 117 | 91 | 64 | 55 | 55 | 56 | |
| ET ASSETS COMMITTED | 16225 | 18922 | 19080 | 19216 | 19578 | 19665 | 19733 | 19817 | 19918 | 20034 | 20169 | 20318 | 20483 | 20664 | 20861 | 21072 | 21295 | 21531 | 21778 | 22037 | 22305 | 22444 | 22691 | 22951 | 232 |
| QUITY | | | | | | | | | | | | | | | | | | | | | | | | | |
| cumulated Operating Result | 7518 | 10067 | 10012 | 9934 | 10088 | 9974 | 9853 | 9761 | 9700 | 9666 | 9660 | 9682 | 9732 | 9808 | 9913 | 10042 | 10194 | 10371 | 10568 | 10787 | 11026 | 11144 | 11259 | 11399 | 115 |
| set Revaluation Reserve | 8707 | 9076 | 9527 | 9996 | 10475 | 10964 | 11457 | 11953 | 12450 | 12949 | 13452 | 13955 | 14459 | 14964 | 15469 | 15974 | 16479 | 16982 | 17484 | 17984 | 18482 | 18978 | 19681 | 20386 | 210 |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 16225 | 18922 | 19080 | 19216 | 19578 | 19665 | 19733 | 19817 | 19918 | 20034 | 20169 | 20318 | 20483 | 20664 | 20861 | 21072 | 21295 | 21531 | 21778 | 22037 | 22305 | 22444 | 22691 | 22951 | 232 |
| TAL EQUITY | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| Notes to System Assets | 31919 | 34512 | 34537 | 34536 | 34787 | 34787 | 34787 | 34787 | 34787 | 34788 | 34788 | 34787 | 34787 | 34788 | 34788 | 34788 | 34788 | 34788 | 34788 | 34787 | 34787 | 34787 | 34787 | 34787 | 347 |
| TAL EQUITY Notes to System Assets | 31919 17178 | 34512 16889 | 34537 16676 | 34536 16763 | 34787 17053 | 34787 17372 | 34787 17711 | 34787 18070 | 34787 18429 | 34788 18688 | 34788 19051 | 34787 19414 | 34787 19777 | 34788 20140 | 34788 20502 | 34788 20864 | 34788 21226 | 34788 21588 | 34788 21951 | 34787 22314 | 34787 22678 | 34787 18041 | 34787 18405 | 34787 18769 | 347 191 |

Printed 31/01/2017 Values in 2016/17 \$*000 Page 3

FINMOD Bogan Shire Council

Performance Indicators

| | 2016/17 | 2017/18 | 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 | 2033/34 | 2034/35 | 2035/36 | 2036/37 | 2037/38 | 2038/39 | 2039/40 | 2040/41 |
|---------------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Typical Residential Bills | 1169 | 1140 | 1111 | 1083 | 1056 | 1030 | 1004 | 1004 | 1004 | 1004 | 1004 | 1004 | 1004 | 1004 | 1004 | 1004 | 1004 | 1004 | 1004 | 1004 | 1004 | 1004 | 1004 | 1004 | 1004 |
| Average Residential Bills (2016/17\$) | 1046 | 1022 | 996 | 971 | 948 | 924 | 901 | 901 | 903 | 903 | 904 | 905 | 905 | 905 | 907 | 907 | 907 | 908 | 909 | 910 | 909 | 910 | 911 | 912 | 912 |
| Mgmnt Cost / Assessment (2016/17\$) | 452 | 448 | 444 | 443 | 441 | 440 | 438 | 437 | 436 | 434 | 433 | 431 | 430 | 429 | 427 | 426 | 424 | 423 | 422 | 420 | 419 | 417 | 416 | 415 | 414 |
| OMA Cost per Assessment (2016/17\$) | 1468 | 1456 | 1443 | 1437 | 1433 | 1429 | 1424 | 1419 | 1415 | 1410 | 1405 | 1402 | 1396 | 1392 | 1388 | 1383 | 1378 | 1373 | 1369 | 1365 | 1360 | 1356 | 1352 | 1347 | 1343 |
| Operating Sales Margin (%) | 8.09 | 6.46 | 5.88 | 4.79 | 3.57 | 2.44 | 1.40 | 1.70 | 2.15 | 2.53 | 2.95 | 3.26 | 3.66 | 4.06 | 4.49 | 4.84 | 5.19 | 5.59 | 5.94 | 6.29 | 6.63 | 6.93 | 7.33 | 7.70 | 8.03 |
| Economic Real Rate of Return (%) | 1.54 | 1.02 | 0.92 | 0.74 | 0.55 | 0.38 | 0.22 | 0.27 | 0.35 | 0.42 | 0.51 | 0.58 | 0.66 | 0.76 | 0.86 | 0.96 | 1.06 | 1.18 | 1.29 | 1.41 | 1.54 | 1.17 | 1.27 | 1.37 | 1.46 |
| Debt Service Ratio | 0.00 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 |
| Debt/Equity Ratio | 0.00 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Interest Cover | 0.00 | 12.00 | 7.25 | 6.77 | 6.37 | 6.17 | 6.26 | 7.77 | 9.27 | 11.12 | 13.83 | 17.10 | 20.20 | 23.79 | 31.38 | 39.36 | 46.31 | 65.70 | 88.88 | 153.40 | 275.00 | 652.00 | 0.00 | 0.00 | 0.00 |
| Return on capital (%) | 1.77 | 1.53 | 1.13 | 0.99 | 0.98 | 0.79 | 0.72 | 0.84 | 0.98 | 1.09 | 1.21 | 1.33 | 1.45 | 1.57 | 1.69 | 1.79 | 1.89 | 1.99 | 2.08 | 2.17 | 2.25 | 1.73 | 1.70 | 1.80 | 1.88 |
| Cash and Investments (2016/17\$'000) | 953 | 1059 | 1134 | 1332 | 1706 | 2088 | 2469 | 2886 | 3321 | 3670 | 4141 | 4628 | 5129 | 5646 | 6179 | 6724 | 7281 | 7853 | 8435 | 9028 | 9631 | 5123 | 5732 | 6354 | 6985 |
| Debt outstanding (2016/17\$'000) | 0 | 296 | 455 | 431 | 406 | 382 | 358 | 334 | 310 | 286 | 262 | 238 | 213 | 189 | 164 | 139 | 113 | 88 | 62 | 36 | 9 | -1 | -1 | -1 | -1 |
| Net Debt (2016/17\$'000) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Printed 31/01/2017

FINMODBogan Shire Council

Historical Operating Statement

| | 2014/15* 2 | 015/16* |
|--|--------------------|-------------|
| EXPENSES | | |
| Management Expenses | 604 | 622 |
| Administration | 115 | 133 |
| Engineering and Supervision | 489 | 489 |
| | | |
| Operation and Maintenance Expenses | 1283 | 1471 |
| Operation Expenses | 556 | 871 |
| Maintenance Expenses Energy Costs | 527 80 | 398 53 |
| Chemical Costs | 120 | 78 |
| Purchase of Water | 0 | 71 |
| | | |
| Depreciation | 427 | 402 |
| System Assets | 427 | 402 |
| Plant & Equipment | | |
| | | |
| Interest Expenses | | |
| Other Expenses | 5 | |
| | | |
| TOTAL EXPENSES | 2319 | 2495 |
| | | |
| | | |
| | | |
| REVENUES | 700 | 750 |
| Rates & Service Availability Charges | 726 | 753 |
| Residential Non-Residential | 607 119 | 630 123 |
| Non-Residential | 113 | 123 |
| | 966 | 4004 |
| User Charges | 966 589 | 1091 666 |
| Sales of Water : Residential Sales of Water : Non-Residential | 377 | 425 |
| outes of trace I non-nessatina | | |
| E-t Ch | | |
| Extra Charges | | |
| Interest Income | 39 | 35 |
| Interest Income Other Revenues | 294 | 775 |
| Outer Revenues | 201 | |
| | 9 | 9 |
| Grants Grants for Acquisition of Assets | 3 | 3 |
| Pensioner Rebate Subsidy | 9 | 9 |
| Other Grants | | |
| | | |
| Contributions | 233 | 228 |
| | | |
| Developer Charges | | |
| Developer Provided Assets | | |
| | 233 | 228 |
| Developer Provided Assets Other Contributions | 233 | |
| Developer Provided Assets Other Contributions TOTAL REVENUES | 233 2267 | 2891 |
| Developer Provided Assets Other Contributions | 233 2267 -52 | 2891 396 |
| Developer Provided Assets Other Contributions TOTAL REVENUES | 233 2267 | 2891 |

FINMOD

Bogan Shire Council

Historical Statement of Financial Position

| | 2014/15* | 2015/16* |
|--------------------------------|----------|----------|
| | • | |
| | | |
| Cash and Investments | 1304 | 1304 |
| Receivables | 342 | 561 |
| Inventories | | 0 |
| | | |
| Property, Plant & Equipment | 13763 | 12996 |
| System Assets (1) | 13763 | 12996 |
| Plant & Equipment | | |
| | | |
| Other Assets | | |
| | | |
| | | |
| TOTAL ASSETS | 15409 | 14861 |
| | | |
| LIABILITIES | | |
| Bank Overdraft | | |
| Creditors | 46 | 48 |
| Borrowings | | |
| Provisions | | |
| | | |
| TOTAL LIABILITIES | 46 | 48 |
| | | |
| | | |
| NET ASSETS COMMITTED | 15363 | 14813 |
| | | |
| EQUITY | | |
| Accumulated Operating Result | 6063 | 6431 |
| Asset Revaluation Reserve | 9300 | 8382 |
| | | |
| TOTAL FOURTY | 15363 | 14813 |
| TOTAL EQUITY | 15363 | 14813 |
| | | |
| (1) Notes to System Assets | | |
| Current Replacement Cost | 32375 | 30361 |
| Less: Accumulated Depreciation | 18612 | 17365 |
| Written Down Current Cost | 13763 | 12996 |
| | | |

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 Values in \$500
 Page
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Bogan Water Water Security Runs : A- 2016 CWP ERRR Base Forecast Data

FINMOD Bogan Shire Council

| | 2016/17 | 2017/18 | 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 | 2033/34 | 2034/35 | 2035/36 | 2036/37 | 2037/38 | 2038/39 | 2039/40 | 2040/41 |
|--|-----------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Financial Data | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inflation Rate - General (%) | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 |
| Inflation Rate - Capital Works (%) | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| Borrowing Interest Rate for New Loans (%) Investment Interest Rate (%) | 6.50 5.50 | 6.50 5.50 | 6.50 5.50 | 6.50 5.50 | 6.50 5.50 | 6.50 5.50 | 6.50 5.50 | 6.50 5.50 | 6.50 5.50 | 6.50 5.50 | 6.50 5.50 | 6.50 5.50 | 6.50 5.50 | 6.50 5.50 | 6.50 5.50 | 6.50 5.50 | 6.50 5.50 | 6.50 5.50 | 6.50 5.50 | 6.50 5.50 | 6.50 5.50 | 6.50 5.50 | 6.50 5.50 | 6.50 5.50 | 6.50 5.50 |
| Number of Assessments | | | | | | | | | | | | | | | | | | | | | | | | | |
| Growth Rate (%) | | | | | | | | | | | | | | | | | | | | | | | | | |
| Residential Assessments | 1.28 | 1.18 | 1.25 | 0.41 | 0.41 | 0.33 | 0.41 | 0.41 | 0.40 | 0.40 | 0.40 | 0.32 | 0.40 | 0.40 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 | 0.38 | 0.46 | 0.38 | 0.38 |
| Non-Residential Assessments | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Total Assessments | 1.07 | 0.99 | 1.05 | 0.35 | 0.34 | 0.27 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.27 | 0.34 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.39 | 0.32 | 0.32 |
| Number of New Assessments | | | | | | | | | | | | | | | | | | | | | | | | | _ |
| Residential | 15 | 14 | 15 | 5 | 5 | 4 | 5 | 5 | 5 | 5 | 5 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 5 | 5 |
| Non-Residential | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total New Assessments | 15 | 14 | 15 | 5 | 5 | 4 | 5 | 5 | 5 | 5 | 5 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 5 | 5 |
| Projected Number of Assessments | 44 | 485- | | 105- | 400- | 4885 | | | | | | | | | 400- | | 485- | | | 488- | | | | 487 | |
| Residential | 1186 | 1200 | 1215 | 1220 | 1225 | 1229 | 1234 | 1239 | 1244 | 1249 | 1254 | 1258 | 1263 | 1268 | 1273 | 1278 | 1283 | 1288 | 1293 | 1298 | 1303 | 1308 | 1314 | 1319 | 1324 |
| Non-Residential | 232 | 232 | 232 1447 | 232 | 232 | 232 | 232 | 232 | 232 | 232 | 232 | 232 | 232 | 232 | 232 | 232 | 232 | 232 | 232 | 232 | 232 | 232 | 232 | 232 | 232 |
| Total Projected Assessments | 1418 | 1432 | 1447 | 1452 | 1457 | 1461 | 1466 | 1471 | 1476 | 1481 | 1486 | 1490 | 1495 | 1500 | 1505 | 1510 | 1515 | 1520 | 1525 | 1530 | 1535 | 1540 | 1546 | 1551 | 1556 |
| Backlog Assessments Residential | 40 | 40 | 40 | | | | | | | | | | | | | | | | | | | | | | |
| Non-Residential | 10 0 | 10 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Backlog Assessments | 10 | 10 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Developer Charges / Vacant Assessments (Va | alues in 2016/1 | 17 \$) | | | | | | | | | | | | | | | | | | | | | | | |
| Developer Charges \$/Assessment | | | | | | | | | | | | | | | | | | | | | | | | | |
| Residential | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Non-Residential | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Number of Vacant Residential Assessments | 206 | 206 | 206 | 206 | 206 | 206 | 206 | 206 | 206 | 206 | 206 | 206 | 206 | 206 | 206 | 206 | 206 | 206 | 206 | 206 | 206 | 206 | 206 | 206 | 206 |
| Average Charge of Vacant Assessments | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 46 |
| % of Occupied Assessments | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Depreciation of Existing Plant and Equipment | | 16/17 S'000 | n | | | | | | | | | | | | | | | | | | | | | | |
| Current Replacement Cost of System Assets Override | 31120 | | | | | | | | | | | | | | | | | | | | | | | | |
| Written Down Current Cost of System Assets Override | 13321 | | | | | | | | | | | | | | | | | | | | | | | | |
| Annual Depreciation of Existing System Assets | 412 | | | | | | | | | | | | | | | | | | | | | | | | |
| Override | | | | | | | | | | | | | | | | | | | | | | | | | |
| Written Down Value of Plant and Equipment | 0 | | | | | | | | | | | | | | | | | | | | | | | | |
| Override Annual Depreciation of Existing Plant and | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | n | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Equipment Existing Flant and | 0 | 0 | | U | U | 0 | | 0 | 0 | U | 0 | | 0 | U | U | U | 0 | U | 0 | U | U | U | 0 | U | · · |

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FINMODBogan Shire Council

Base Forecast Data

| | 2016/17 | 2017/18 | 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 | 2033/34 | 2034/35 | 2035/36 | 2036/37 | 2037/38 | 2038/39 | 2039/40 | 2040/4 |
|--|--------------|------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--------|
| tisting Loan Payments (Values in Inflated \$' | 000) | | | | | | | | | | | | | | | | | | | | | | | | |
| xisting Loan Payments : Principal (Total:0) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| isting Loan Payments : Interest (Total:0) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| apital Works Program (Values in 2016/17 \$'0 | 00) | | | | | | | | | | | | | | | | | | | | | | | | |
| ubsidised Scheme (Total:3667) | 799 | 2593 | 25 | 0 | 250 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| her New System Assets (Total:0) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| newals (Total:10498) | 1043 | 743 | 668 | 368 | 168 | 138 | 118 | 98 | 97 | 197 | 93 | 93 | 93 | 93 | 93 | 93 | 93 | 93 | 93 | 93 | 93 | 5093 | 93 | 93 | |
| al Capital Works (Total:14165) | 1842 | 3336 | 693 | 368 | 418 | 138 | 118 | 98 | 97 | 197 | 93 | 93 | 93 | 93 | 93 | 93 | 93 | 93 | 93 | 93 | 93 | 5093 | 93 | 93 | |
| unt For Acquisition of Assets (% of osidised Scheme) | 100.00 | 97.11 | 0.00 | 0.00 | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | C |
| nt For Acquisition of Assets (\$) (Total:3567) | 799 | 2518 | 0 | 0 | 250 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| veloper Provided Assets (Total:0) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| ant and Equipment Expenditure / Asset Disp | osal (Values | in 2016/17 | \$'000) | | | | | | | | | | | | | | | | | | | | | | |
| nt and Equipment Expenditure | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| ceeds from Disposal of Plant and Equipment | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| itten Down Value of Plant and Equipment | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| osed | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | - | _ | _ | _ | _ | |
| Loss on Disposal of Plant and Equipment | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| oceeds from Disposal of Assets | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| ritten Down Value of Assets Disposed | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| ain/Loss on Disposal of System ∆ssets | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |

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Appendix E FINMOD data for sewer fund base case

E-1 Brearley & Hansen

FINMODBogan Shire Council

Operating Statement

| | 2016/17 | 2017/18 | 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 | 2033/34 | 2034/35 | 2035/36 | 2036/37 | 2037/38 | 2038/39 | 2039/40 | 2040/41 |
|---|------------|------------|---------|----------|----------|----------|------------|---------|------------|------------|------------|------------|------------|------------|------------|------------|------------|---------|------------|------------|------------|------------|------------|------------|----------|
| EXPENSES | | | | | | | | | | | | | | | | | | | | | | | | | |
| anagement Expenses | 309 | 310 | 310 | 312 | 313 | 314 | 315 | 315 | 317 | 318 | 320 | 320 | 321 | 322 | 323 | 324 | 325 | 326 | 327 | 328 | 329 | 330 | 331 | 332 | 333 |
| Administration | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 |
| Engineering and Supervision | 264 | 265 | 266 | 267 | 268 | 269 | 270 | 271 | 272 | 273 | 274 | 275 | 276 | 277 | 278 | 279 | 280 | 281 | 282 | 283 | 284 | 285 | 286 | 287 | 288 |
| peration and Maintenance Expenses | 237 | 236 | 238 | 238 | 237 | 237 | 237 | 237 | 237 | 237 | 237 | 237 | 236 | 237 | 237 | 237 | 237 | 237 | 237 | 237 | 237 | 237 | 238 | 238 | 238 |
| Operation Expenses | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 |
| Maintenance Expenses | 113 | 113 | 113 | 113 | 113 | 113 | 113 | 113 | 113 | 113 | 113 | 113 | 113 | 113 | 113 | 113 | 113 | 113 | 113 | 113 | 113 | | 114 | 114 | 114 |
| Energy Costs | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| Chemical Costs | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | | 15 | 15 | 15 |
| epreciation | 116 | 116 | 116 | 117 | 117 | 117 | 116 | 116 | 116 | 116 | 116 | 117 | 117 | 117 | 117 | 117 | 117 | 116 | 116 | 116 | 117 | 117 | 117 | 117 | 117 |
| System Assets | 116 | 116 | 116 | 117 | 117 | 117 | 116 | 116 | 116 | 116 | 116 | 117 | 117 | 117 | 117 | 117 | 117 | 116 | 116 | 116 | 117 | 117 | 117 | 117 | 117 |
| Plant & Equipment | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| nterest Expenses Other Expenses | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| OTAL EXPENSES | 662 | 662 | 664 | 667 | 668 | 667 | 668 | 669 | 670 | 671 | 673 | 674 | 674 | 676 | 677 | 677 | 679 | 680 | 680 | 681 | 682 | 684 | 685 | 686 | 687 |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| EVENUES | 823 | 798 | 776 | 750 | 725 | 699 | 673 | 646 | 648 | 651 | 655 | 658 | 663 | 667 | 670 | 673 | 676 | 680 | 683 | 687 | 690 | 694 | 699 | 702 | 705 |
| ates & Service Availability Charges | | | 491 | 475 | 458 | 443 | | 409 | | | | | | | | | | 430 | | | | | | | 447 |
| Residential Non-Residential | 521 302 | 505 293 | 285 | 276 | 266 | 256 | 427 247 | 237 | 410 238 | 412 239 | 415 240 | 417 242 | 419 243 | 422 244 | 424 246 | 426 246 | 428 248 | 249 | 433 251 | 435 252 | 437 253 | 439 254 | 443 256 | 444 257 | 259 |
| rade Waste Charges | 5 | 5 | 5 | 5 | 5 | 4 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| Other Sales and Charges Extra Charges | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| axtra Charges | · | · | · | · | | • | · | · | · | | Ü | · · | · | · | • | · | · | Ü | · · | Ü | | | · | Ü | · |
| terest Income | 148 2 | 166 | 170 | 174 2 | 181 2 | 183 2 | 185 | 189 | 194 2 | 197 2 | 195 2 | 194 2 | 197 2 | 186 | 179 2 | 175 2 | 175 2 | 177 | 180 2 | 181 2 | 177 2 | 177 2 | 178 | 180 2 | 181 2 |
| ther Revenues | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| rants | 8 | 8 | 8 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 5 | 5 | 5 | 5 | 5 |
| Grants for Acquisition of Assets | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Pensioner Rebate Subsidy | 8 | 8 | 8 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 5 | 5 | 5 | 5 | 5 |
| Other Grants | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| entributions | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Developer Charges | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Developer Provided Assets | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other Contributions | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| OTAL REVENUES | 986 | 979 | 960 | 938 | 920 | 895 | 871 | 847 | 854 | 860 | 862 | 865 | 871 | 864 | 861 | 860 | 864 | 869 | 875 | 879 | 878 | 882 | 888 | 893 | 897 |
| PERATING RESULT | 324 | 316 | 296 | 271 | 252 | 228 | 203 | 178 | 184 | 189 | 188 | 191 | 197 | 188 | 183 | 182 | 185 | 189 | 195 | 198 | 196 | 198 | 203 | 206 | 210 |
| PERATING RESULT (less Grants for Acq of issets) | 324 | 316 | 296 | 271 | 252 | 228 | 203 | 178 | 184 | 189 | 188 | 191 | 197 | 188 | 183 | 182 | 185 | 189 | 195 | 198 | 196 | 198 | 203 | 206 | 210 |

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FINMOD Bogan Shire Council

Cashflow Statement

| | 2016/17 | 2017/18 | 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 | 2033/34 | 2034/35 | 2035/36 | 2036/37 | 2037/38 | 2038/39 | 2039/40 | 2040/4 |
|--------------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--------|
| _ | | | | | | | | | | | | | | | | | | | | · | | | · | | |
| Cashflow From Operating Activities | | | | | | | | | | | | | | | | | | | | | | | | | |
| Receipts | | | | | | | | | | | | | | | | | | | | | | | | | |
| Rates and Charges | 828 | 803 | 780 | 755 | 729 | 704 | 677 | 649 | 652 | 655 | 659 | 662 | 666 | 670 | 673 | 677 | 680 | 683 | 687 | 691 | 694 | 698 | 703 | 706 | 70 |
| nterest Income | 148 | 166 | 170 | 174 | 181 | 183 | 185 | 189 | 194 | 197 | 195 | 194 | 197 | 186 | 179 | 175 | 175 | 177 | 180 | 181 | 177 | 177 | 178 | 180 | 18 |
| ther Revenues | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | |
| rants | 8 | 8 | 8 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 5 | 5 | 5 | 5 | |
| ontributions | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| otal Receipts from Operations | 986 | 979 | 960 | 938 | 920 | 895 | 871 | 847 | 854 | 860 | 862 | 865 | 871 | 864 | 861 | 860 | 864 | 869 | 875 | 879 | 878 | 882 | 888 | 893 | 89 |
| ayments | | | | | | | | | | | | | | | | | | | | | | | | | |
| anagement | 309 | 310 | 310 | 312 | 313 | 314 | 315 | 315 | 317 | 318 | 320 | 320 | 321 | 322 | 323 | 324 | 325 | 326 | 327 | 328 | 329 | 330 | 331 | 332 | 33 |
| perations (plus WC Inc) | 240 | 239 | 241 | 241 | 240 | 240 | 240 | 240 | 240 | 239 | 240 | 239 | 239 | 240 | 240 | 240 | 240 | 240 | 239 | 240 | 239 | 240 | 240 | 241 | 24 |
| terest Expenses | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| ther Expenses | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| otal Payments from Operations | 549 | 549 | 551 | 553 | 554 | 553 | 554 | 555 | 556 | 557 | 559 | 559 | 561 | 562 | 563 | 563 | 565 | 566 | 566 | 567 | 568 | 570 | 571 | 572 | 57 |
| let Cash from Operations | 437 | 429 | 409 | 385 | 366 | 342 | 316 | 292 | 297 | 303 | 302 | 306 | 311 | 302 | 297 | 296 | 298 | 303 | 308 | 312 | 310 | 311 | 317 | 320 | 32 |
| ashflow from Capital Activities | | | | | | | | | | | | | | | | | | | | | | | | | |
| teceipts. | | | | | | | | | | | | | | | | | | | | | | | | | |
| roceeds from Disposal of Assets | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| ayments | 0 | U | U | U | U | U | U | U | U | U | U | U | U | U | U | U | U | U | U | U | U | U | U | U | |
| equisition of Assets | 0 | 76 | 050 | 405 | | 225 | 0 | 0.5 | 0 | 05 | 200 | 0.5 | 0 | FOF | 400 | 205 | | 0.5 | 0 | 05 | 200 | 05 | 0 | 05 | |
| - | 0 | 75 | 250 | 125 | 0 | | 0 | 25 | 0 | 25 | 200 | 25 | 0 | 525 | 100 | 225 | 0 | 25 | 0 | 25 | 200 | 25 | 0 | 25 | |
| let Cash from Capital Activities | U | -75 | -250 | -125 | U | -225 | U | -25 | U | -25 | -200 | -25 | U | -525 | -100 | -225 | U | -25 | U | -25 | -200 | -25 | U | -25 | ' |
| ashFlow from Financing Activities | | | | | | | | | | | | | | | | | | | | | | | | | |
| Receipts | | | | | | | | | | | | | | | | | | | | | | | | | |
| lew Loans Required | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| ayments | | | | | | | | | | | | | | | | | | | | | | | | | |
| rincipal Loan Payments | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| et Cash from Financing Activities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| DTAL NET CASH | 437 | 354 | 159 | 260 | 366 | 117 | 316 | 267 | 297 | 278 | 102 | 280 | 311 | -223 | 197 | 71 | 298 | 278 | 308 | 287 | 110 | 286 | 317 | 295 | 32 |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| urrent Year Cash | 437 | 354 | 159 | 260 | 366 | 117 | 316 | 267 | 297 | 278 | 102 | 280 | 311 | -223 | 197 | 71 | 298 | 278 | 308 | 287 | 110 | 286 | 317 | 295 | 32 |
| ash & Investments @ Year Start | 2548 | 2912 | 3187 | 3264 | 3438 | 3711 | 3735 | 3952 | 4116 | 4306 | 4472 | 4462 | 4627 | 4818 | 4482 | 4565 | 4523 | 4704 | 4861 | 5043 | 5200 | 5180 | 5333 | 5513 | 566 |
| sh & Investments @ Year End | 2985 | 3266 | 3346 | 3524 | 3804 | 3828 | 4051 | 4219 | 4413 | 4583 | 4574 | 4743 | 4938 | 4594 | 4679 | 4636 | 4822 | 4982 | 5169 | 5330 | 5310 | 5467 | 5651 | 5808 | 599 |
| apital Works Funding: | | | | | | | | | | | | | | | | | | | | | | | | | |
| ernal Funding for New Works (\$'000) | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| ternal Funding for Renewals | 0 | 75 | 250 | 25 | 0 | 225 | 0 | 25 | 0 | 25 | 200 | 25 | 0 | 525 | 100 | 225 | 0 | 25 | 0 | 25 | 200 | 25 | 0 | 25 | |
| | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| ew Loans | | | | | | | | | | | | | | | | | | | | | | | | | |
| ew Loans crants | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |

Printed 31/01/2017 Values in 2016/17 \$*000

FINMOD Bogan Shire Council

Statement of Financial Position

| | 2016/17 | 2017/18 | 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 | 2033/34 | 2034/35 | 2035/36 | 2036/37 | 2037/38 | 2038/39 | 2039/40 | 2040/4 |
|-------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--------|
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| ish and investments | 2985 | 3266 | 3346 | 3524 | 3804 | 3828 | 4051 | 4219 | 4413 | 4583 | 4574 | 4743 | 4938 | 4594 | 4679 | 4636 | 4822 | 4982 | 5169 | 5330 | 5310 | 5467 | 5651 | 5808 | 59 |
| ceivables | 90 | 91 | 91 | 92 | 92 | 93 | 93 | 93 | 94 | 94 | 94 | 94 | 94 | 95 | 96 | 96 | 96 | 97 | 97 | 97 | 97 | 98 | 98 | 99 | |
| entories | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| operty, Plant & Equipment | 7187 | 7146 | 7280 | 7289 | 7172 | 7280 | 7164 | 7073 | 6957 | 6866 | 6950 | 6858 | 6741 | 7150 | 7132 | 7241 | 7124 | 7033 | 6918 | 6826 | 6909 | 6818 | 6701 | 6609 | 64 |
| stem Assets (1) | 7187 | 7146 | 7280 | 7289 | 7172 | 7280 | 7164 | 7073 | 6957 | 6866 | 6950 | 6858 | 6741 | 7150 | 7132 | 7241 | 7124 | 7033 | 6918 | 6826 | 6909 | 6818 | 6701 | 6609 | 64 |
| nt & Equipment | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| her Assets | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| TAL ASSETS | 10262 | 10503 | 10717 | 10905 | 11068 | 11201 | 11308 | 11385 | 11464 | 11543 | 11617 | 11694 | 11773 | 11839 | 11908 | 11973 | 12042 | 12112 | 12183 | 12253 | 12316 | 12382 | 12450 | 12516 | 125 |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| ABILITIES | | | | | | | | | | | | | | | | | | | | | | | | | |
| nk Overdraft | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| editors | 6 | 6 | 6 | 6 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 3 | |
| rrowings ovisions | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Sylsions | U | U | U | U | U | U | U | U | U | U | U | U | U | U | U | U | U | U | U | U | U | U | U | U | |
| TAL LIABILITIES | 6 | 6 | 6 | 6 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 3 | |
| T ASSETS COMMITTED | 10256 | 10498 | 10712 | 10899 | 11063 | 11196 | 11303 | 11380 | 11459 | 11538 | 11613 | 11690 | 11769 | 11835 | 11903 | 11969 | 12038 | 12108 | 12180 | 12249 | 12313 | 12379 | 12446 | 12512 | 125 |
| DUITY | | | | | | | | | | | | | | | | | | | | | | | | | |
| cumulated Operating Result | 7814 | 7940 | 8042 | 8117 | 8171 | 8200 | 8202 | 8180 | 8165 | 8155 | 8144 | 8137 | 8135 | 8125 | 8110 | 8094 | 8081 | 8074 | 8072 | 8073 | 8072 | 8073 | 8079 | 8088 | 81 |
| set Revaluation Reserve | 2442 | 2558 | 2670 | 2782 | 2892 | 2996 | 3101 | 3199 | 3294 | 3384 | 3469 | 3553 | 3634 | 3710 | 3793 | 3875 | 3957 | 4035 | 4108 | 4176 | 4241 | 4306 | 4367 | 4424 | 44 |
| | 2442 | 2000 | 2010 | 2702 | 2002 | 2000 | 0101 | 0100 | 0204 | 0004 | 0400 | 0000 | 0004 | 07.10 | 0,00 | 5575 | 0007 | 4000 | 4100 | 4110 | 4241 | 4000 | 4007 | | |
| AL EQUITY | 10256 | 10498 | 10712 | 10899 | 11063 | 11196 | 11303 | 11380 | 11459 | 11538 | 11613 | 11690 | 11769 | 11835 | 11903 | 11969 | 12038 | 12108 | 12180 | 12249 | 12313 | 12379 | 12446 | 12512 | 12 |
| Notes to System Assets | | | | | | | | | | | | | | | | | | | | | | | | | |
| rrent Replacement Cost | 11427 | 11427 | 11427 | 11528 | 11527 | 11527 | 11527 | 11527 | 11527 | 11527 | 11527 | 11527 | 11527 | 11528 | 11527 | 11527 | 11527 | 11527 | 11528 | 11527 | 11527 | 11527 | 11527 | 11527 | 11 |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| ess: Accumulated Depreciation | 4240 | 4281 | 4147 | 4239 | 4356 | 4247 | 4363 | 4454 | 4570 | 4661 | 4578 | 4670 | 4786 | 4378 | 4395 | 4286 | 4403 | 4494 | 4610 | 4701 | 4618 | 4710 | 4826 | 4918 | 50 |

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 31/01/2017
 Values in 2016/17 \$ 000
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FINMODBogan Shire Council

Performance Indicators

| | 2016/17 | 2017/18 | 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 | 2033/34 | 2034/35 | 2035/36 | 2036/37 | 2037/38 | 2038/39 | 2039/40 | 2040/41 |
|---------------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Typical Residential Bills | 540 | 522 | 505 | 487 | 468 | 450 | 431 | 411 | 411 | 411 | 411 | 411 | 411 | 411 | 411 | 411 | 411 | 411 | 411 | 411 | 411 | 411 | 411 | 411 | 41 |
| Average Residential Bills (2016/17\$) | 526 | 508 | 491 | 472 | 454 | 437 | 419 | 400 | 398 | 399 | 399 | 399 | 400 | 401 | 401 | 400 | 401 | 401 | 401 | 402 | 402 | 402 | 403 | 402 | 40 |
| Mgmnt Cost / Assessment (2016/17\$) | 257 | 258 | 256 | 256 | 256 | 256 | 256 | 256 | 255 | 255 | 255 | 255 | 255 | 255 | 255 | 254 | 255 | 254 | 254 | 253 | 253 | 254 | 252 | 252 | 25 |
| OMA Cost per Assessment (2016/17\$) | 454 | 453 | 453 | 452 | 451 | 450 | 448 | 448 | 446 | 446 | 445 | 444 | 443 | 443 | 442 | 440 | 440 | 438 | 437 | 437 | 436 | 435 | 434 | 433 | 43 |
| Operating Sales Margin (%) | 21.00 | 18.49 | 15.90 | 12.76 | 9.57 | 6.33 | 2.52 | -1.66 | -1.49 | -1.21 | -0.94 | -0.45 | 0.00 | 0.32 | 0.62 | 1.11 | 1.37 | 1.71 | 2.21 | 2.51 | 2.70 | 2.96 | 3.52 | 3.74 | 4.09 |
| Economic Real Rate of Return (%) | 2.45 | 2.10 | 1.73 | 1.34 | 0.99 | 0.62 | 0.24 | -0.15 | -0.14 | -0.12 | -0.09 | -0.04 | 0.00 | 0.03 | 0.06 | 0.10 | 0.13 | 0.17 | 0.22 | 0.26 | 0.27 | 0.31 | 0.37 | 0.40 | 0.45 |
| Debt Service Ratio | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Debt/Equity Ratio | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Interest Cover | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Return on capital (%) | 3.16 | 3.01 | 2.76 | 2.49 | 2.28 | 2.04 | 1.79 | 1.57 | 1.60 | 1.64 | 1.62 | 1.64 | 1.67 | 1.59 | 1.54 | 1.52 | 1.53 | 1.56 | 1.60 | 1.62 | 1.59 | 1.60 | 1.63 | 1.65 | 1.67 |
| Cash and Investments (2016/17\$'000) | 2985 | 3266 | 3346 | 3524 | 3804 | 3828 | 4051 | 4219 | 4413 | 4583 | 4574 | 4743 | 4938 | 4594 | 4679 | 4636 | 4822 | 4982 | 5169 | 5330 | 5310 | 5467 | 5651 | 5808 | 5990 |
| Debt outstanding (2016/17\$'000) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (|
| Net Debt (2016/17\$'000) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |

Printed 31/01/2017

FINMOD Bogan Shire Council

Historical Operating Statement

| EXPENSES Management Expenses Administration Engineering and Supervision Operation and Maintenance Expenses Operation Expenses Maintenance Expenses Maintenance Expenses Chemical Costs Depreciation System Assets Plant & Equipment Interest Expenses Other Expenses Other Expenses Other Expenses TOTAL EXPENSES REVENUES Rates & Service Availability Charges Residential Non-Residential Trade Waste Charges Other Sales and Charges Extra Charges Interest Income Other Revenues Grants Grants for Acquisition of Assets Pensioner Rebate Subsidy Other Grants Contributions Developer Charges Developer Provided Assets Other Contributions TOTAL REVENUES OPERATING RESULT (less Grants for Acq of Assets) | | 2014/15° 2 | 015/16* |
|---|-------------------------------------|------------|-----------|
| Administration Engineering and Supervision Operation and Maintenance Expenses Operation Expenses Maintenance Expenses Energy Costs Chemical Costs Depreciation System Assets Plant & Equipment Interest Expenses Other Expenses Other Expenses Other Expenses TOTAL EXPENSES REVENUES Rates & Service Availability Charges Residential Non-Residential Trade Waste Charges Other Sales and Charges Extra Charges Other Revenues Grants Grants for Acquisition of Assets Pensioner Rebate Subsidy Other Grants Contributions Developer Charges Developer Provided Assets Other Contributions TOTAL REVENUES OPERATING RESULT OPERATING RESULT OPERATING RESULT | XPENSES | | |
| Engineering and Supervision Operation and Maintenance Expenses Operation Expenses Maintenance Expenses Energy Costs Chemical Costs Depreciation System Assets Plant & Equipment Interest Expenses Other Expenses Other Expenses Other Expenses Other Expenses TOTAL EXPENSES REVENUES Rates & Service Availability Charges Residential Non-Residential Trade Waste Charges Other Sales and Charges Extra Charges Interest income Other Revenues Grants Grants for Acquisition of Assets Pensioner Rebate Subsidy Other Grants Contributions Developer Provided Assets Other Contributions TOTAL EXPENUES OPERATING RESULT OPERATING RESULT | anagement Expenses | 270 | 300 |
| Operation and Maintenance Expenses Operation Expenses Maintenance Expenses Energy Costs Chemical Costs Depreciation System Assets Plant & Equipment Interest Expenses Other Expenses Other Expenses Other Expenses TOTAL EXPENSES REVENUES Rates & Service Availability Charges Residential Non-Residential Trade Waste Charges Other Sales and Charges Extra Charges Other Revenues Grants Grants for Acquisition of Assets Pensioner Rebate Subsidy Other Grants Developer Charges Developer Provided Assets Other Contributions TOTAL REVENUES OPERATINO RESULT OPERATINO RESULT OPERATINO RESULT OPERATINO RESULT | Administration | 14 | 44 |
| Operation Expenses Maintenance Expenses Energy Costs Chemical Costs Depreciation System Assets Plant & Equipment Interest Expenses Other Expenses Other Expenses TOTAL EXPENSES REVENUES Rates & Service Availability Charges Residential Non-Residential Trade Waste Charges Other Sales and Charges Extra Charges Other Sales and Charges Extra Charges Other Sales and Charges Contributions Grants Grants for Acquisition of Assets Pensioner Rebate Subsidy Other Grants Contributions Developer Provided Assets Other Contributions TOTAL REVENUES OPERATING RESULT OPERATING RESULT | Engineering and Supervision | 256 | 256 |
| Operation Expenses Maintenance Expenses Energy Costs Chemical Costs Depreciation System Assets Plant & Equipment Interest Expenses Other Expenses Other Expenses TOTAL EXPENSES REVENUES Rates & Service Availability Charges Residential Non-Residential Trade Waste Charges Other Sales and Charges Extra Charges Interest Income Other Revenues Grants Grants for Acquisition of Assets Pensioner Rebate Subsidy Other Grants Contributions Developer Charges Developer Provided Assets Other Contributions TOTAL REVENUES OPERATING RESULT OPERATING RESULT | | | |
| Maintenance Expenses Energy Costs Chemical Gosts Depreciation System Assets Plant & Equipment Interest Expenses Other Expenses Other Expenses Other Expenses TOTAL EXPENSES REVENUES Rates & Service Availability Charges Residential Non-Residential Trade Waste Charges Other Sales and Charges Extra Charges Other Sales and Charges Extra Charges Other Revenues Grants Grants for Acquisition of Assets Pensioner Rebate Subsidy Other Grants Contributions Developer Provided Assets Other Contributions TOTAL REVENUES OTERATING RESULT OPERATING RESULT | peration and Maintenance Expenses | 168 | 231 |
| Energy Costs Chemical Costs Depreciation System Assets Plant & Equipment Interest Expenses Other Expenses Other Expenses TOTAL EXPENSES REVENUES Rates & Service Availability Charges Residential Non-Residential Non-Residential Trade Waste Charges Other Sales and Charges Extra Charges Other Sales and Charges Extra Charges Other Revenues Grants Grants for Acquisition of Assets Pensioner Rebate Subsidy Other Grants Contributions Developer Charges Developer Provided Assets Other Contributions TOTAL REVENUES OPERATINO RESULT OPERATINO RESULT | | 76 | 96 |
| Chemical Costs Depreciation System Assets Plant & Equipment Interest Expenses Other Expenses Other Expenses TOTAL EXPENSES REVENUES Rates & Service Availability Charges Residential Non-Residential Trade Wast Charges Other Sales and Charges Extra Charges Extra Charges Other Sales and Charges Extra Charges Other Revenues Grants Grants for Acquisition of Assets Pensioner Rebate Subsidy Other Grants Contributions Developer Provided Assets Other Contributions Total REVENUES OOPERATING RESULT OPERATING RESULT | | 76 | 110 |
| Depreciation System Assets Plant & Equipment Interest Expenses Other Expenses Other Expenses TOTAL EXPENSES REVENUES Rates & Service Availability Charges Residential Non-Residential Trade Waste Charges Other Sales and Charges Extra Charges Interest income Other Revenues Grants Grants for Acquisition of Assets Pensioner Rebate Subsidy Other Grants Contributions Developer Charges Developer Provided Assets Other Contributions TOTAL REVENUES OPERATING RESULT OPERATING RESULT | | 9 7 | 10 15 |
| System Assets Plant & Equipment Interest Expenses Other Expenses Other Expenses TOTAL EXPENSES REVENUES Rates & Service Availability Charges Residential Non-Residential Trade Waste Charges Other Sales and Charges Extra Charges Interest Income Other Revenues Grants Grants for Acquisition of Assets Pensioner Rebate Subsidy Other Grants Contributions Developer Charges Developer Provided Assets Other Contributions TOTAL REVENUES OPERATING RESULT OPERATING RESULT | | 85 | 15 113 |
| Plant & Equipment Interest Expenses Other Expenses Other Expenses TOTAL EXPENSES REVENUES Rates & Service Availability Charges Residential Non-Residential Trade Waste Charges Other Sales and Charges Extra Charges Linterest Income Other Revenues Grants Grants for Acquisition of Assets Pensioner Rebate Subsidy Other Grants Contributions Developer Provided Assets Other Contributions TOTAL REVENUES OTHER SUBSTANTIAN OF SESULT OPERATING RESULT OPERATING RESULT | | 85 | 113 |
| Interest Expenses Other Expenses Other Expenses TOTAL EXPENSES REVENUES Rates & Service Availability Charges Residential Non-Residential Trade Waste Charges Other Sales and Charges Extra Charges Other Sales and Charges Extra Charges Interest Income Other Revenues Grants Grants for Acquisition of Assets Pensioner Rebate Subsidy Other Grants Developer Charges Developer Provided Assets Other Contributions TOTAL REVENUES OPERATING RESULT OPERATING RESULT | | 35 | |
| Other Expenses TOTAL EXPENSES REVENUES Rates & Service Availability Charges Residential Non-Residential Trade Waste Charges Other Sales and Charges Extra Charges Interest Income Other Revenues Grants Grants for Acquisition of Assets Pensioner Rebate Subsidy Other Grants Contributions Developer Charges Developer Provided Assets Other Contributions TOTAL REVENUES OPERATING RESULT OPERATING RESULT | | | |
| Other Expenses TOTAL EXPENSES REVENUES Rates & Service Availability Charges Residential Non-Residential Trade Waste Charges Other Sales and Charges Extra Charges Interest Income Other Revenues Grants Grants for Acquisition of Assets Pensioner Rebate Subsidy Other Grants Contributions Developer Charges Developer Provided Assets Other Contributions TOTAL REVENUES OPERATING RESULT OPERATING RESULT | terest Expenses | | |
| REVENUES Rates & Service Availability Charges Residential Non-Residential Trade Waste Charges Other Sales and Charges Extra Charges Interest Income Other Revenues Grants Grants for Acquisition of Assets Pensioner Rebate Subsidy Other Orants Contributions Developer Charges Developer Provided Assets Other Contributions TOTAL REVENUES OPERATING RESULT OPERATING RESULT | | | |
| REVENUES Rates & Service Availability Charges Residential Non-Residential Trade Waste Charges Other Sales and Charges Extra Charges Interest Income Other Revenues Grants Grants for Acquisition of Assets Pensioner Rebate Subsidy Other Grants Contributions Developer Provided Assets Other Contributions TOTAL REVENUES OPERATING RESULT | | | |
| REVENUES Rates & Service Availability Charges Residential Non-Residential Trade Waste Charges Other Sales and Charges Extra Charges Interest Income Other Revenues Grants Grants for Acquisition of Assets Pensioner Rebate Subsidy Other Grants Contributions Developer Provided Assets Other Contributions TOTAL REVENUES OPERATING RESULT | OTAL EXPENSES | 523 | 644 |
| Rates & Service Availability Charges Residential Non-Residential Trade Waste Charges Other Sales and Charges Extra Charges Literate Income Other Revenues Grants Grants for Acquisition of Assets Pensioner Rebate Subsidy Other Grants Contributions Developer Provided Assets Other Contributions TOTAL REVENUES OPERATING RESULT OPERATING RESULT | | | |
| Rates & Service Availability Charges Residential Non-Residential Trade Waste Charges Other Sales and Charges Extra Charges Literate Income Other Revenues Grants Grants for Acquisition of Assets Pensioner Rebate Subsidy Other Grants Contributions Developer Provided Assets Other Contributions TOTAL REVENUES OPERATING RESULT OPERATING RESULT | | | |
| Rates & Service Availability Charges Residential Non-Residential Trade Waste Charges Other Sales and Charges Extra Charges Literate Income Other Revenues Grants Grants for Acquisition of Assets Pensioner Rebate Subsidy Other Grants Contributions Developer Provided Assets Other Contributions TOTAL REVENUES OPERATING RESULT OPERATING RESULT | | | |
| Residential Non-Residential Trade Waste Charges Other Sales and Charges Extra Charges Extra Charges Interest income Other Revenues Grants Grants for Acquisition of Assets Pensioner Rebate Subsidy Other Grants Contributions Developer Charges Developer Provided Assets Other Contributions TOTAL REVENUES OPERATING RESULT OPERATING RESULT (less Grants for Acq of | EVENUES | | |
| Non-Residential Trade Waste Charges Other Sales and Charges Extra Charges Extra Charges Interest income Other Revenues Grants Grants for Acquisition of Assets Pensioner Rebate Subsidy Other Grants Contributions Developer Charges Developer Charges Developer Provided Assets Other Contributions TOTAL REVENUES OPERATING RESULT OPERATING RESULT | ates & Service Availability Charges | 776 | 630 |
| Trade Waste Charges Extra Charges Extra Charges Interest Income Other Revenues Grants Grants for Acquisition of Assets Pensioner Rebate Subsidy Other Grants Contributions Developer Provided Assets Other Contributions TOTAL REVENUES OPERATING RESULT OPERATING RESULT (less Grants for Acq of | | 445 | 444 |
| Other Sales and Charges Extra Charges Interest Income Other Revenues Grants Grants for Acquisition of Assets Pensioner Rebate Subsidy Other Grants Contributions Developer Charges Developer Provided Assets Other Contributions TOTAL REVENUES OPERATING RESULT OPERATING RESULT (Jess Grants for Acq of | Non-Residential | 331 | 186 |
| Other Sales and Charges Extra Charges Interest Income Other Revenues Grants Grants for Acquisition of Assets Pensioner Rebate Subsidy Other Grants Contributions Developer Charges Developer Provided Assets Other Contributions TOTAL REVENUES OPERATING RESULT OPERATING RESULT (Jess Grants for Acq of | | | |
| Extra Charges Interest Income Other Revenues Grants Grants for Acquisition of Assets Pensioner Rebate Subsidy Other Orants Contributions Developer Charges Developer Provided Assets Other Contributions TOTAL REVENUES OPERATING RESULT OPERATING RESULT (Jess Grants for Acq of | | 4 | 4 |
| Interest Income Other Revenues Grants Grants for Acquisition of Assets Pensioner Rebate Subsidy Other Grants Contributions Developer Charges Developer Provided Assets Other Contributions TOTAL REVENUES OPERATING RESULT | | | |
| Other Revenues Grants Grants for Acquisition of Assets Pensioner Rebate Subsidy Other Grants Contributions Developer Charges Developer Charges Developer Provided Assets Other Contributions TOTAL REVENUES OPERATING RESULT | ttra Charges | | |
| Other Revenues Grants Grants for Acquisition of Assets Pensioner Rebate Subsidy Other Grants Contributions Developer Charges Developer Charges Developer Provided Assets Other Contributions TOTAL REVENUES OPERATING RESULT | | | |
| Grants Grants for Acquisition of Assets Pensioner Rebate Subsidy Other Grants Contributions Developer Charges Developer Provided Assets Other Contributions TOTAL REVENUES OPERATING RESULT OPERATING RESULT (less Grants for Acq of | | 68 1 | 64 2 |
| Grants for Acquisition of Assets Pensioner Rebate Subsidy Other Grants Contributions Developer Charges Developer Provided Assets Other Contributions TOTAL REVENUES OPERATING RESULT OPERATING RESULT (less Grants for Acq of | ther Revenues | ' | 2 |
| Grants for Acquisition of Assets Pensioner Rebate Subsidy Other Grants Contributions Developer Charges Developer Provided Assets Other Contributions TOTAL REVENUES OPERATING RESULT OPERATING RESULT (less Grants for Acq of | | _ | |
| Pensioner Rebate Subsidy Other Grants Contributions Developer Charges Developer Frovided Assets Other Contributions TOTAL REVENUES OPERATING RESULT OPERATING RESULT (less Grants for Acq of | | 8 | 8 |
| Other Grants Contributions Developer Charges Developer Provided Assets Other Contributions TOTAL REVENUES OPERATING RESULT OPERATING RESULT (less Grants for Acq of | | 8 | 8 |
| Contributions Developer Charges Developer Provided Assets Other Contributions TOTAL REVENUES OPERATING RESULT OPERATING RESULT (less Grants for Acq of | | | |
| Developer Charges Developer Provided Assets Other Contributions TOTAL REVENUES OPERATING RESULT OPERATING RESULT (less Grants for Acq of | | | |
| Developer Charges Developer Provided Assets Other Contributions TOTAL REVENUES OPERATING RESULT OPERATING RESULT (less Grants for Acq of | | 0 | 0 |
| Developer Provided Assets Other Contributions TOTAL REVENUES OPERATING RESULT OPERATING RESULT (less Grants for Acq of | | • | U |
| Other Contributions TOTAL REVENUES OPERATING RESULT OPERATING RESULT (less Grants for Acq of | | | |
| OPERATING RESULT OPERATING RESULT (less Grants for Acq of | | | |
| OPERATING RESULT OPERATING RESULT (less Grants for Acq of | | | |
| OPERATING RESULT OPERATING RESULT (less Grants for Acq of | OTAL REVENUES | 857 | 708 |
| OPERATING RESULT (less Grants for Acq of Assets) | PERATING RESULT | 334 | 64 |
| Assets) | | 334 | 64 |
| | ssets) | | |
| | | | |
| | | | |
| | | | |

 Printed
 31/01/2017
 Values in \$'000

Bogan Sewerage : A- 2016 CWPHistorical Statement of Financial Position

FINMODBogan Shire Council

| | 2014/15* | 2015/16* |
|--------------------------------|----------|----------|
| | | |
| | | |
| Cash and Investments | 2444 | 2548 |
| Receivables | 105 | 87 |
| Inventories | | |
| | | |
| Property, Plant & Equipment | 7143 | 7125 |
| System Assets (1) | 7143 | 7125 |
| Plant & Equipment | | |
| | | |
| Other Assets | | |
| | | |
| TOTAL ASSETS | 9692 | 9760 |
| IOIAL ASSETS | 9692 | 9760 |
| | | |
| LIABILITIES | | |
| Bank Overdraft | | |
| Creditors | 2 | 6 |
| Borrowings | | |
| Provisions | | |
| | | |
| TOTAL LIABILITIES | 2 | 6 |
| | | |
| WET ASSETS COMMITTEE | | |
| NET ASSETS COMMITTED | 9690 | 9754 |
| | | |
| EQUITY | | |
| Accumulated Operating Result | 7426 | 7490 |
| Asset Revaluation Reserve | 2264 | 2264 |
| | | |
| TOTAL EQUITY | 9690 | 9754 |
| | | |
| | | |
| (1) Notes to System Assets | | |
| Current Replacement Cost | | 11148 |
| Less: Accumulated Depreciation | -7143 | 4023 |
| Written Down Current Cost | 7143 | 7125 |

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Base Forecast Data

| | 2016/17 | 2017/18 | 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 | 2033/34 | 2034/35 | 2035/36 | 2036/37 | 2037/38 | 2038/39 | 2039/40 | 2040/41 |
|--|----------------|--------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Financial Data | | | | | | | | | | | | | | | | | | | | | | | | | |
| nflation Rate - General (%) | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 |
| nflation Rate - Capital Works (%) | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 |
| Borrowing Interest Rate for New Loans (%) | 6.50 | 6.50 | 6.50 | 6.50 | 6.50 | 6.50 | 6.50 | 6.50 | 6.50 | 6.50 | 6.50 | 6.50 | 6.50 | 6.50 | 6.50 | 6.50 | 6.50 | 6.50 | 6.50 | 6.50 | 6.50 | | 6.50 | 6.50 | 6.50 |
| nvestment Interest Rate (%) | 5.50 | 5.50 | 5.50 | 5.50 | 5.50 | 5.50 | 5.50 | 5.50 | 5.50 | 5.50 | 5.50 | 5.50 | 5.50 | 5.50 | 5.50 | 5.50 | 5.50 | 5.50 | 5.50 | 5.50 | 5.50 | 5.50 | 5.50 | 5.50 | 5.50 |
| Number of Assessments | | | | | | | | | | | | | | | | | | | | | | | | | |
| Growth Rate (%) | | | | | | | | | | | | | | | | | | | | | | | | | |
| Residential Assessments | 0.51 | 0.40 | 0.50 | 0.50 | 0.50 | 0.40 | 0.49 | 0.49 | 0.49 | 0.49 | 0.48 | 0.38 | 0.48 | 0.48 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 0.46 | 0.46 | | 0.55 | 0.45 | 0.45 |
| Non-Residential Assessments | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | | 0.10 | 0.10 | 0.10 |
| Total Assessments | 0.42 | 0.33 | 0.41 | 0.41 | 0.41 | 0.33 | 0.41 | 0.41 | 0.40 | 0.40 | 0.40 | 0.32 | 0.40 | 0.40 | 0.40 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 | 0.38 | 0.46 | 0.38 | 0.38 |
| Number of New Assessments | | | | | | | | | | | | | | | | | | | | | | | | | |
| Residential | 5 | 4 | 5 | 5 | 5 | 4 | 5 | 5 | 5 | 5 | 5 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | | 6 | 5 | 5 |
| Non-Residential | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 |
| Total New Assessments | 5 | 4 | 5 | 5 | 5 | 4 | 5 | 5 | 5 | 5 | 5 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 5 | 5 |
| Projected Number of Assessments | | | | | | | | | | | | | | | | | | | | | | | | | |
| Residential | 991 | 995 | 1000 | 1005 | 1010 | 1014 | 1019 | 1024 | 1029 | 1034 | 1039 | 1043 | 1048 | 1053 | 1058 | 1063 | 1068 | 1073 | 1078 | 1083 | 1088 | 1093 | 1099 | 1104 | 1109 |
| Non-Residential | 211 | 211 | 211 | 211 | 211 | 211 | 211 | 211 | 211 | 211 | 211 | 211 | 211 | 211 | 211 | 211 | 211 | 211 | 211 | 211 | 211 | 211 | 211 | 211 | 211 |
| Total Projected Assessments | 1202 | 1206 | 1211 | 1216 | 1221 | 1225 | 1230 | 1235 | 1240 | 1245 | 1250 | 1254 | 1259 | 1264 | 1269 | 1274 | 1279 | 1284 | 1289 | 1294 | 1299 | 1304 | 1310 | 1315 | 1320 |
| Backlog Assessments | | | | | | | | | | | | | | | | | | | | | | | | | |
| Residential | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 |
| Non-Residential | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 |
| Total Backlog Assessments | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Developer Charges / Vacant Assessments (Va | alues in 2016/ | 17 \$) | | | | | | | | | | | | | | | | | | | | | | | |
| Developer Charges \$/Assessment | | | | | | | | | | | | | | | | | | | | | | | | | |
| Residential | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Non-Residential | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Number of Vacant Residential Assessments | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 |
| Average Charge of Vacant Assessments | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | | 100 | 100 | 100 |
| % of Occupied Assessments | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Depreciation of Existing Plant and Equipment | (Values in 20 | 16/17 \$'000 |)) | | | | | | | | | | | | | | | | | | | | | | |
| Current Replacement Cost of System Assets Override | 11427 | | | | | | | | | | | | | | | | | | | | | | | | |
| Written Down Current Cost of System Assets Override | 7303 | | | | | | | | | | | | | | | | | | | | | | | | |
| Annual Depreciation of Existing System Assets | 116 | | | | | | | | | | | | | | | | | | | | | | | | |
| Override | | | | | | | | | | | | | | | | | | | | | | | | | |
| Written Down Value of Plant and Equipment | 0 | | | | | | | | | | | | | | | | | | | | | | | | |
| Override Annual Depreciation of Existing Plant and | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | n | n | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Equipment | • | | • | | | • | • | 3 | | • | | | • | | | | | | | | | | • | | |

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Base Forecast Data

| | 2016/17 | 2017/18 | 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 | 2033/34 | 2034/35 | 2035/36 | 2036/37 | 2037/38 | 2038/39 | 2039/40 | 2040/ |
|---|--------------|------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|-------|
| xisting Loan Pavments (Values in Inflated \$ | 000) | | | | | | | | | | | | | | | | | | | | | | | | |
| xisting Loan Payments : Principal (Total:0) xisting Loan Payments : Interest (Total:0) | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| apital Works Program (Values in 2016/17 \$'0 | 00) | | | | | | | | | | | | | | | | | | | | | | | | |
| ubsidised Scheme (Total:100) | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| ther New System Assets (Total:0) | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| enewals (Total:2275) | 0 | 75 | | 25 | 0 | 225 | 0 | 25 | 0 | 25 | 200 | 25 | 0 | 525 | 100 | 225 | 0 | 25 | 0 | 25 | 200 | 25 | 0 | 25 | |
| tal Capital Works (Total:2375) | 0 | 75 | 250 | 125 | 0 | 225 | 0 | 25 | 0 | 25 | 200 | 25 | 0 | 525 | 100 | 225 | 0 | 25 | 0 | 25 | 200 | 25 | 0 | 25 | |
| rant For Acquisition of Assets (% of absidised Scheme) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | (|
| ant For Acquisition of Assets (\$) (Total:0) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| eveloper Provided Assets (Total:0) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Plant and Equipment Expenditure / Asset Disp | osal (Values | in 2016/17 | \$'000) | | | | | | | | | | | | | | | | | | | | | | |
| ant and Equipment Expenditure | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| oceeds from Disposal of Plant and Equipment | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| itten Down Value of Plant and Equipment sposed | 0 | 0 | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| in/Loss on Disposal of Plant and Equipment | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| roceeds from Disposal of Assets | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Written Down Value of Assets Disposed | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Gain/Loss on Disposal of System Assets | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |

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