

Consultation Issues Paper

Price and Service Plan 3 (December 2016)



Document approval and issue notice

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Table of contents

Document approval and issue notice	2
1. About Price and Service Plan 3 (PSP3)	4
1.1 Our customer engagement program for PSP3	4
1.2 Structure of the Consultation Issues Paper	4
1.3 How to make a submission	5
2. About TasWater	6
3. What are the big opportunities in PSP3?	9
3.1 Drinking water opportunities	9
3.2 Dam safety opportunities	10
3.3 Sewage treatment opportunities	10
3.4 Service reliability opportunities	10
3.5 Our priorities	11
4. What does TasWater intend to spend during PSP3?	13
4.1 Spending on water and sewerage networks and treatment infrastructure	13
4.2 Spending on wastewater infrastructure	14
4.3 Spending on water and other infrastructure	14
4.4 Day-to-day operational spending	14
4.5 Summary of total spending	15
5. What does PSP3 mean for your water and sewerage bills?	16
5.1 Indicative charges	16
5.2 Fixed and variable charges	17
5.3 Sewerage charges	17
5.4 Statewide pricing	18
6. What service obligations should TasWater provide to customers during PSP3?	19
6.1 Customer service obligations	19
6.2 What service standards could we change to reduce the upward pressure on bills?	20
6.3 Differential service standards	21
7. What is serviced land and what are the issues?	22
7.1 Vacant land service charges	22
7.2 What about connections outside serviced land?	22
8. How do we work with new development?	23
9. What is trade waste and how is it managed?	24
10. Conclusion	25
10.1 List of questions	25
11. List of acronyms and abbreviations	27

1. About Price and Service Plan 3 (PSP3)

This issues paper presents information to customers and stakeholders about TasWater's next price and service plan (PSP3). PSP3 includes the investment required to provide water and sewerage services in Tasmania, and the approximate charges that would apply to customers who receive these services from 1 July 2018 to 30 June 2021.

PSP3 will set out how we provide water and sewerage services to our customers and how we will comply with obligations in environment, drinking water and dam safety legislation over this period. PSP3 is required by the Tasmanian Economic Regulator (Regulator)¹, who sets prices for water and sewerage services in Tasmania after evaluating TasWater's PSP3 submission.

This issues paper asks for feedback on key aspects of PSP3 to see if we can better satisfy customers and the Tasmanian government regulators. The views of customers and other stakeholders are critical in shaping our priorities.

1.1 Our customer engagement program for PSP3

In addition to this issues paper, we will engage with customers and stakeholders in several ways to seek input to PSP3 before we submit it to the Office of the Tasmanian Economic Regulator (OTTER)² in June 2017. Our engagement program includes:

- Professionally facilitated focus group sessions using open ended questions to explore issues and priorities with groups of about eight customers of varying types and at various locations
- A telephone survey of a representative group of around 500 TasWater customers
- Face-to-face discussion with the OTTER Customer Consultative Committee, which includes several community, industry and local government members
- Face-to-face discussions with organisations advocating for the needs of disadvantaged people, business, industry, the environment and similar specific interest groups
- A forum with TasWater's regulators, including OTTER, the Department of Health and Human Services (DHHS), the Environment Protection Authority (EPA) and the Department of Primary Industries, Parks, Water and Environment (DPIPWE)
- A planning workshop with state government departments including the departments of State Growth, Premier and Cabinet, and Treasury and Finance.

1.2 Structure of the Consultation Issues Paper

The issues paper is divided into the following topics:

1. About Price and Service Plan 3 (this section)
2. About TasWater
3. What are the big opportunities in PSP3?
4. What does TasWater intend to spend during PSP3?
5. What does PSP3 mean for your water and sewerage bills?
6. What service obligations should TasWater provide to customers during PSP3?
7. What is serviced land and what are the issues?
8. How do we work with new development?
9. What is trade waste and how is it managed?
10. Conclusion

¹ As established under the *Economic Regulator Act 2009*

² Office of the Tasmanian Economic Regulator (staff who provide support to the Tasmanian Economic Regulator)

Each of the sections includes prompts and key questions you can consider when making your submission. We would like to hear your feedback on the topics listed here, and on any others that are of the greatest interest or concern to you.

1.3 How to make a submission

TasWater welcomes submissions or comments from all interested parties, such as customers, customer and industry representative bodies, TasWater's regulators, the Tasmanian Government, local government and the community in general.

Submissions can be made until **17 February 2017** via:

Email: tw.psp3@taswater.com.au

Website: www.yoursay.taswater.com.au

Post: Price and Service Plan 3 submissions

TasWater

GPO Box 1393

Hobart TAS 7001

Your submission or its content will be made publicly available unless you label your submission as confidential. Submissions may be subject to Right to Information requests and other laws. TasWater reserves the right not to publish information that could be seen to be defamatory or discriminatory.

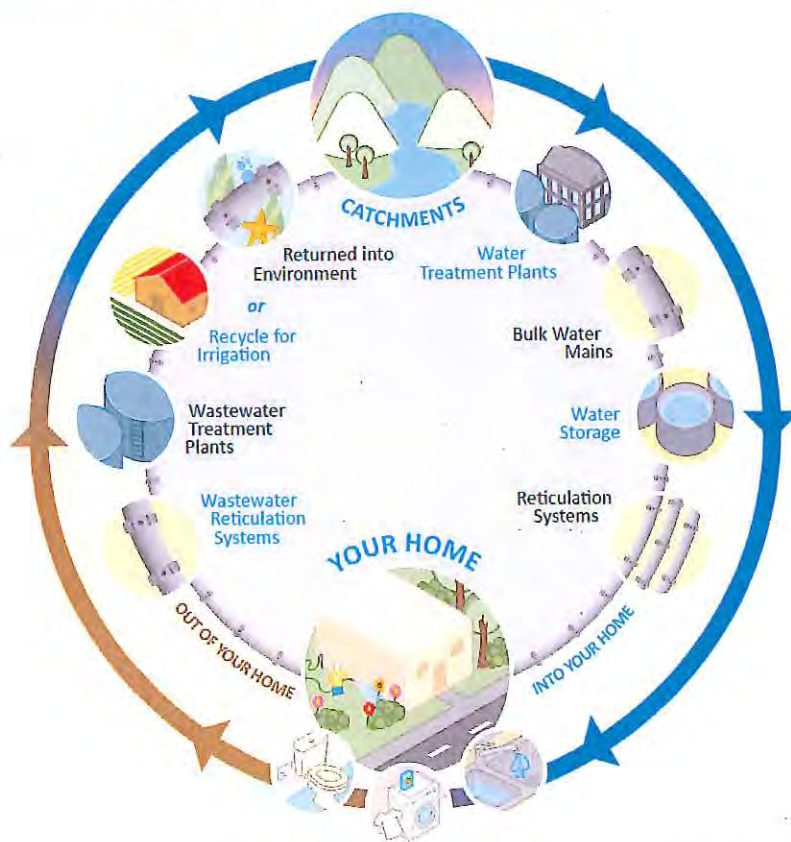
2. About TasWater

In 2013, TasWater started operations with the merger of the three former regional water corporations (Ben Lomond Water, Cradle Mountain Water and Southern Water) and the shared services provider, Onstream. We are owned by 29 Tasmanian councils who receive returns through dividends, tax equivalent payments and guarantee fees.

Our staff are located across Tasmania, supporting employment in both urban and regional areas. We also partner with small businesses and local suppliers across the state to support our operations and services.

As shown in the diagram below, our services include collecting water from rivers and streams, treating and supplying drinking water to customers, collecting and treating sewage and returning it back to the environment.

Figure 1: The cycle of water and sewerage services



In addition to water and sewerage services, we also provide a wide range of other services such as pressure and flow testing, service location, industrial trade waste treatment and land information certificates.

AT A GLANCE

SCOPE OF BUSINESS IN 2015-16

265,871

TasWater customer contacts

202,478

number of water connections

2,144 km²

area serviced by water

177,899

number of sewerage connections

492 km²

area serviced by sewerage

933

number of employees

71,531 ML

total volume of water produced

50,000 ML

total volume of sewage collected

\$1.57 bn

total net asset value

AT A GLANCE

ASSETS IN 2015-16

6,231 km

length of water mains

70

drinking water systems

121

water supply reservoirs
and weirs

760

sewage pump
stations

219

water pump stations

64

catchments

4,716 km

length of
sewer mains

33

level 1 sewage
treatment plants¹

79

level 2 sewage
treatment plants

3. What are the big opportunities in PSP3?

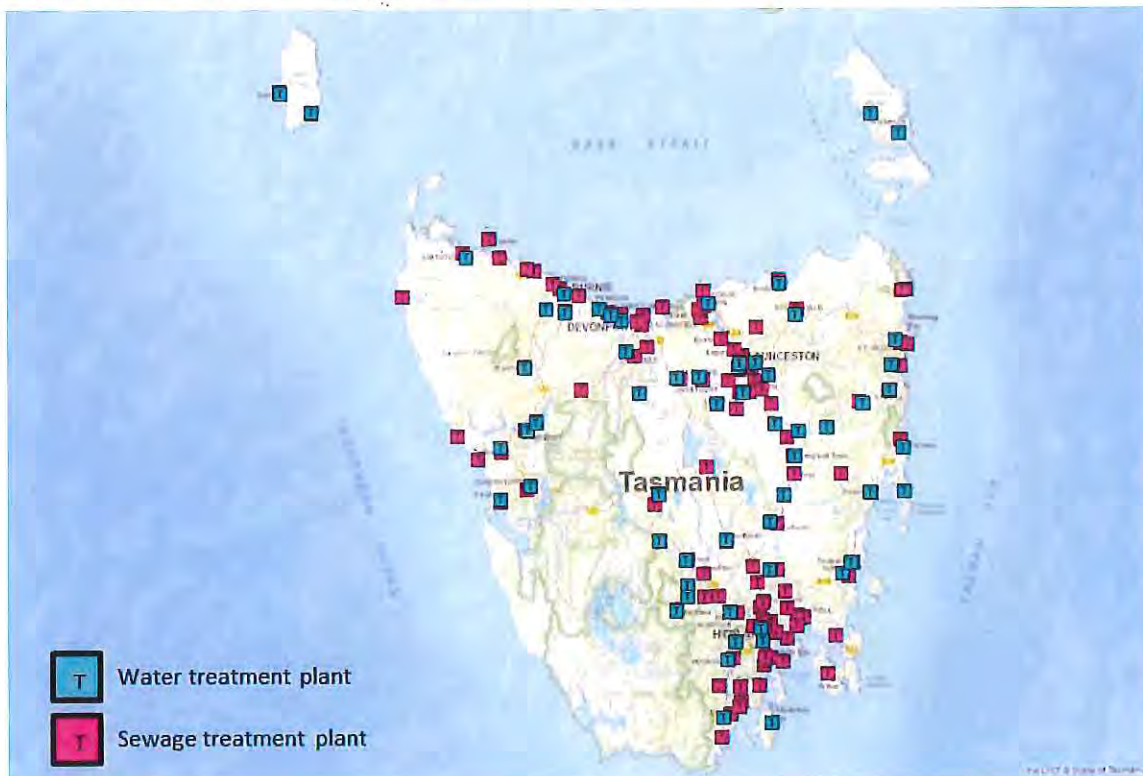
Now in our fourth year, we have delivered many improvements thanks to the foundations of an integrated, statewide business. This has been through solid investment in infrastructure, especially in tackling water quality issues and our commitment to improving services flowing through to communities across the state.

However, we still have much to do to provide the quality of service that Tasmanians deserve. We are very aware that our services must be affordable for our customers, yet at the same time we face some major challenges to meet standards set by the DHHS for drinking water and the EPA for the environment.

In 2015, a survey of water utilities in Australia found that we have a disproportionately large number of treatment plants given the size of the population we service. Although our customers were about three per cent of the total population in the survey, the number of our water treatment plants was 38 per cent of the total, the number of our sewage treatment plants was 37 per cent of the total and our revenue was only two per cent of the total. This means we have a lot of water and sewage treatment plants relative to their cost and our small population and revenue base.

This large number of sparsely distributed infrastructure assets is a key part of our challenge. Many of the treatment plants are not designed to meet modern standards. Addressing these challenges means greater investment in drinking water and wastewater treatment infrastructure to upgrade existing equipment and to consolidate our infrastructure.

Figure 2: TasWater's water and sewage treatment plants



3.1 Drinking water opportunities

Since our inception as a business, we have continued the work of the regional water corporations to improve water quality for all Tasmanians. We have developed a comprehensive strategy to deliver improved water quality around Tasmania. Our Drinking Water Quality Management Plan (DWQMP)

outlines the programs and projects that will enable us to comply with the Tasmanian Drinking Water Quality Guidelines to provide better quality water for many Tasmanians.

As a business, we place the highest priority on ensuring public health for Tasmanians. We also recognise the importance of Tasmania's clean 'brand' to tourism and the associated industries that bring visitors to the state. To that end, we are planning projects that will result in the removal of all remaining permanent boil water alerts and do not consume notices by the early part of PSP3.

To ensure that we provide quality drinking water across Tasmania, we also continuously review the safety of our drinking water systems. We look at each catchment to see what may impact our water sources, like agriculture, aquaculture, mining and development. Then we look at existing treatment plants to see if they can efficiently treat the source water and meet the water quality objectives. We then undertake water quality testing and sampling in our pipe networks to ensure our customers receive safe drinking water at their properties.

With this information we can then determine ongoing necessary investments to provide reliable, safe water for the future. We expect there may be additional water quality projects that are identified during the life of PSP3.

3.2 Dam safety opportunities

We are responsible for 307 water and wastewater storages, lagoons and weirs which fall within the definition of a dam under the Water Management Act 1999. We manage our dams using a dam portfolio risk assessment process in accordance with the Australian National Council on Large Dams (ANCOLD) Dam Safety Management Guidelines 2003. The majority of dams are compliant with the ANCOLD guidelines; although 11 dams have a risk rating that exceeds the individual and society risk criteria under the ANCOLD Guidelines on risk assessment.

Additional resources have been engaged recently to improve our surveillance programs, accelerate high priority upgrades and decommission obsolete dams. One hundred-and-seventeen dam safety surveillance inspections were taken in 2015-16.

Dam safety remains a high priority for us in PSP3 so that we can ensure the safety of our dams and protect the security of water supply.

3.3 Sewage treatment opportunities

We collect sewage from many communities across Tasmania using a sewer network over 4,700 kilometres in length and transporting the sewage using 760 pump stations. The sewage is treated at 112 different treatment plants around Tasmania before water is returned to the environment.

We recognise the importance of the environment to Tasmanians for recreation, tourism, agriculture and aquaculture. To reduce our impact on the environment, we have developed a wastewater management plan (WWMP) that prioritises operational programs and capital projects that meet our legislative obligations and the expectations of the EPA.

Although we have invested significantly in improving our networks and plants, only 44 per cent of our effluent in financial year 2015-16 was compliant with the standards set by the EPA. This can impact Tasmania's clean and green image and have a direct impact on recreation and businesses such as oyster leases.

3.4 Service reliability opportunities

We have a network of pipes and pumps across the state that deliver drinking water and take away sewage. Our network of pipes and pumps is largely due to Tasmania's dispersed population and our mission of providing services to both urban and rural communities across the state.

Overall, we manage nearly 11,000 kilometres of water and sewer pipes and almost 1,000 water and sewage pump stations to provide services to our customers. Each pipe and pump station has a

'useful life'. When there are multiple bursts along a section of pipe, this shows that the pipe has reached the end of its useful life and should be replaced, as it is costly to repair pipes repeatedly. When a pipe bursts, not only are customers' services disrupted, there may be damage to roads and property and there may be sewage spills, creating a public health risk. These impacts come under the banner of service standards.

To avoid too many burst pipes and other network failures that reduce the standard of service, we need to replace parts of the network that reach the end of their useful lives. This is very costly due to the extent and age of our infrastructure. We estimate there is a current backlog of pipe and pump repairs and replacements totalling \$330 million.

To make sure that we can supply water throughout the year, we have dams and reservoirs. They have been sized to serve customers in the area for a particular duration of time, based on average rainfall. As the climate is variable, this means that in some years we may have to reduce consumption through water restrictions to make sure there will be enough water to go around until rainfall replenishes the water storage.

3.5 Our priorities

To address these challenges, we have developed a 10 year infrastructure plan for 2017–2026 which includes the next price and service plan. We will review and revise this plan based on feedback from customers and stakeholders (such as submissions on this issues paper). The proposed projects and programs under the 10 year infrastructure plan have been selected because they will help to:

- Remove all permanent boil water alerts and do not consume notices that apply in 24 small towns by the end of August 2018 (the start of the proposed price and service plan)
- Provide reliable, clean and safe drinking water across Tasmania
- Reduce our environmental impact from water that is discharged from our sewage treatment plants
- Reduce sewer breaks, blockages and spills
- Ensure the safety of our dams to protect water security and public safety.

It would not be affordable to customers for us to achieve all of these equally within the period of the proposed price and service plan. They will require sustained investment over the next 10 to 20 years.

We currently put the highest priority on addressing drinking water challenges to protect public health in Tasmania (e.g. to remove permanent boil water alerts and do not consume notices). We plan to focus on maintaining and improving water quality as the first priority in PSP3 (i.e. in the early part of PSP3). We also have a dam safety improvement plan that reviews and assesses our dams to ensure they protect water security and public safety. As with water quality, this is a high priority for us in PSP3.

Another high priority is to address environmental challenges by upgrading sewage treatment plants to meet the compliance standards set by the EPA. As we work through the highest priority water quality improvement projects in PSP3, we plan to then increase our investment in addressing environmental challenges.

Although we will continue to invest in replacing our network of pipes and pumps, the reliability of our network may need to improve more slowly as we focus on the drinking water and sewage treatment challenges first. As a result, we do not project any material improvements in service reliability during PSP3 and instead plan to make these improvements in PSP4 or beyond and customers may experience more breaks than we would like during this time.

Issue 1 – Our Priorities

What do you think the relative importance of our priorities should be?

- Protecting public health by providing safe and clean drinking water across Tasmania
- Reducing the environmental impact from water that is discharged from sewage treatment plants
- Ensuring the safety of dams to protect water security and public safety
- Maintaining reliable networks to reduce water service interruptions and sewage spills
- Increasing water storage capacity to avoid water restrictions
- Helping Tasmania's economy to grow by supporting new development.

4. What does TasWater intend to spend during PSP3?

4.1 Overview of proposed capital spending in PSP3

Over the three-year life of PSP3, we propose to spend about \$500 million on improving, renewing, consolidating and building water and sewage treatment plants, pipes, pumps and other water infrastructure.

For reference, we proposed to spend \$330 million in our last Price and Service Plan (PSP2) covering the years 2015-16, 2016-17 and 2017-18. Our proposed capital expenditure in PSP3 is higher than PSP2 in part due to a better understanding of the significant compliance challenges we need to address. We also have a more mature planning and delivery process that ensures we can efficiently deliver a higher volume of work in PSP3.

The proposed \$500 million investment in PSP3 is necessary to:

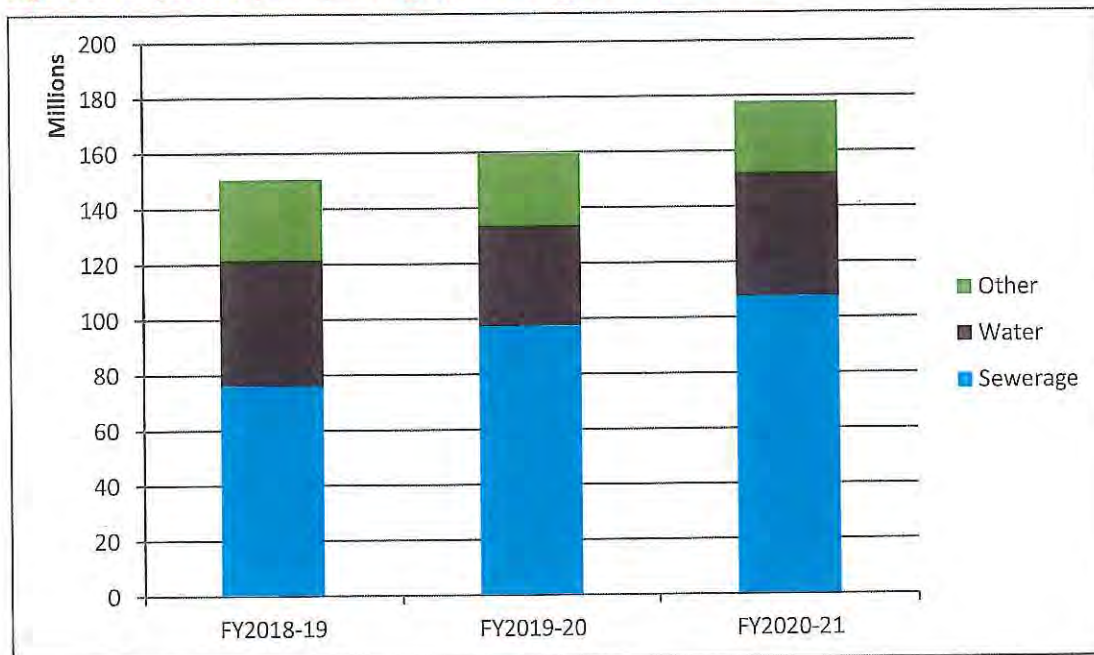
- Meet the requirements of our health, environment and dam safety regulators
- Meet our customer service obligations
- Support economic development in Tasmania.

Every project and program that we consider goes through a rigorous process to ensure that it is necessary, is the best solution to fix the problem and that it will be as efficient as possible to operate over its life. Each project responds to one or more of the following for investment:

- Compliance – meeting the requirements of health, environment and dam safety regulators
- Growth – supporting growth in demand from new residential, business or industrial development
- Renewal – replacing assets that have reached the end of their useful lives and are starting to fail
- Improvements – upgrading our systems for better efficiency, better service or improved reliability.

The following chart shows our proposed spending during the three years of PSP3.

Figure 3: Proposed capital spending by service type and year in PSP3



4.2 Spending on wastewater infrastructure

We propose to spend about \$280 million in PSP3 on infrastructure for treating wastewater and safely discharging it to the environment. Key programs and their drivers for currently proposed projects are:

- Launceston Sewerage Improvement Program – compliance
- Northern Midlands Sewerage Improvement Plan – compliance
- Brighton Sewage Treatment Plant upgrade - compliance
- Kingborough Sewerage Strategy - Treatment - growth
- Wynyard Sewage Treatment Plant upgrades - compliance
- Statewide Sewage Treatment Plant Renewal Program - renewal
- Statewide Sewer Main Renewals Program - renewal.

4.3 Spending on water and other infrastructure

We propose to spend about \$130 million in PSP3 on infrastructure to store, treat and deliver water to your homes and businesses. While we intend to remove all remaining permanent boil water alerts and do not consume notices by the early part of PSP3, we expect that there may be additional water quality projects that are identified during the life of PSP3. We will confirm the need for these projects as they arise and ensure we identify efficient solutions before we proceed.

Key programs and their drivers for currently proposed projects are:

- Water quality upgrades in priority locations – compliance
- Ridgeway Dam – upgrade post tensioned anchors – compliance
- Tolosa Dam replacement infrastructure – compliance
- Flagstaff Gully Dam Safety Upgrade – compliance
- Port Sorell Reservoir and network upgrades - growth
- Statewide Water Main Renewals Program - renewal
- Statewide Meter Renewals Program - renewal.

In addition, we plan to spend about \$80 million on infrastructure that provides overarching support to our services, such as safety upgrades, remote monitoring and electrical upgrades.

4.4 Day-to-day operational spending

We forecast that we propose to spend about \$180 million on day-to-day operational costs for the first year of PSP3, 2018-19. This is expected to increase to about \$186 million in 2019-20 and \$191 million in 2020-21. The increases include inflation and are also due in part to additional electricity and chemicals required for treatment plant upgrades to meet our compliance obligations.

To help reduce the impact of our operational spending on your bills, we have developed a productivity improvement program to reduce costs in our business. We will target additional savings over the next 10 years, which will mean that total savings subsequent to the establishment of TasWater will be approximately \$25 million per annum.

Major categories of operational spending are shown in the table below.

Table 1: Major categories of operational spending

Operational cost	Description
Labour costs	<p>Our people who:</p> <ul style="list-style-type: none"> • Run the drinking water and sewage treatment plants • Monitor drinking water quality, water catchments and discharge from our sewage plant • Keep the water and sewage flowing in the pipes • Design water and sewage infrastructure • Respond to customer queries and manage bills and payments • Assess development applications and work with trade waste customers • Provide finance, administration and management services.
Operations and maintenance	Non-labour costs incurred on maintaining and fixing pipes, pumps and other water and sewerage infrastructure. Also includes transporting and disposing of the biosolids from our treatment plants and small plant and equipment and unplanned maintenance.
Chemicals, power and royalties	Chemicals used to disinfect water, fluoridate water to DHHS requirements, control odour and treat effluent. Electricity for our treatment plants, offices and pumps to deliver water and take away sewage. Fees we pay to the Tasmanian Government for taking water from rivers and streams.
Support functions	Maintaining our buildings, running and maintaining our fleet of cars and trucks, our computer systems, regulatory costs, billing, receipting and debt management. We also allocate funds for business improvement initiatives.

4.5 Summary of total spending

Based on the estimated spending plans above, our total infrastructure and operating spending is proposed to be about \$331 million in 2018-19, \$345 million in 2019-20 and \$369 million in 2020-21.

Issue 2 – Investment to address key challenges

- What do you think about the split of spending across the priorities?
- What do you think of the timing of spending we have proposed for the priorities?
- Are there other specific projects TasWater should be investing in that are important to you?

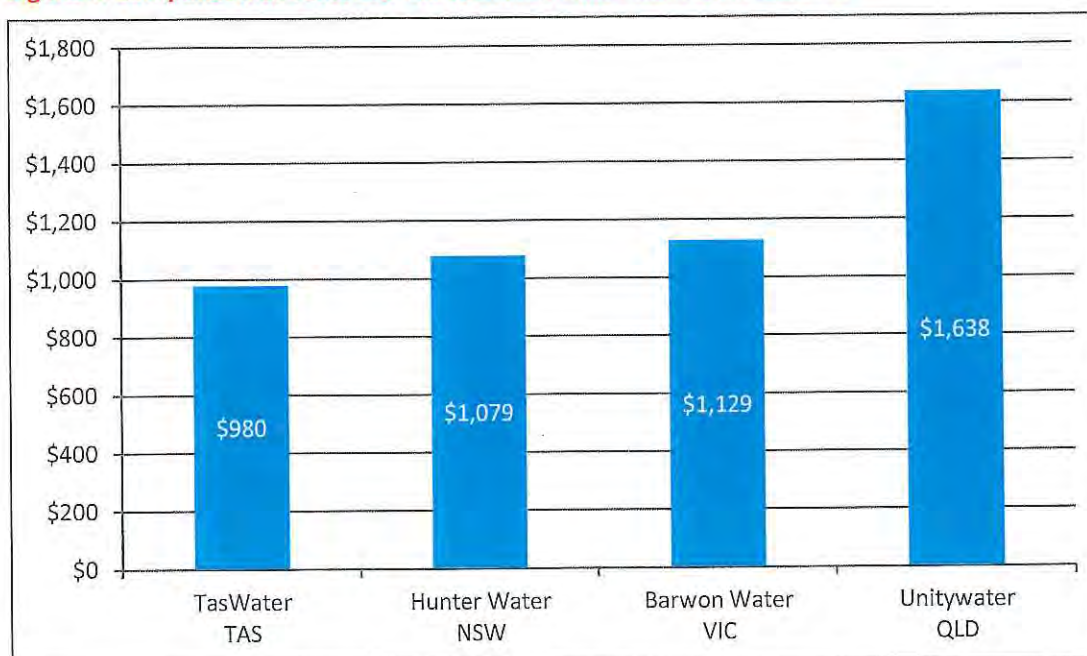
5. What does PSP3 mean for your water and sewerage bills?

The revenue we receive from water and sewerage charges effectively balances our current level of operational spending, infrastructure projects and debt servicing. One way to fund additional investment required to upgrade infrastructure is to increase water, sewerage and other service charges. But we know that affordability is a key issue for customers, so we are making sure that our planned spending is necessary and efficient to improve the quality of services and reduce the impact on customer bills.

5.1 Indicative charges

The chart below compares a typical TasWater residential water and sewerage bill in 2014-15 against those in similar Australian water utilities in terms of number of customers and geographical coverage. Tasmanian bills are lower although the other water utilities are achieving, or nearly achieving, full compliance with environment and drinking water legislative requirements.

Figure 4: Comparison of TasWater bill to similar water utilities in 2014-15



We recognise that affordability is a key issue for many of our customers. As a result, our preliminary modelling for PSP3 is based on annual price increases of 4.6 per cent. This will allow us to strike a balance between addressing significant drinking water and environmental challenges and ensuring affordable bills for our customers.

We are currently reviewing our planned investments and day-to-day costs for the period of PSP3, and the Regulator will determine the final prices. While this is being done, it is difficult to predict exactly what the new charges will be from 1 July 2018. However, to give customers an indicative price we have used the 2017-18 charges and applied 4.6 per cent increases to charges as follows:

Table 2: Indicative charges in PSP3

Charge	2017-18 (\$)	Indicative 2018-19 (\$)
Fixed water charge per standard residential (20mm) connection per year	\$329.48	\$344.64
Variable water charge per kilolitre (\$ per 1,000 litres)	\$1.0202	\$1.0671
Fixed sewerage charge per average connection per year (standard residential)	\$632.24	\$661.32

Based on these indicative charges, the average annual residential water bill using 200 kL per year would be:

Table 3: Indicative bills in PSP3

Average household water bill (200 kL per year water use)	2017-18 (\$)	Indicative 2018-19 (\$)
Fixed water charge per standard residential (20mm) connection per year	\$329.48	\$344.64
Cost of water (assuming 200,000 litres per year)	\$204.04	\$213.43
Fixed sewerage charge per average connection per year (standard residential)	\$632.24	\$661.32
Total water bill per year	\$1,166	\$1,219
Total water bill per day	\$3.20	\$3.34

The table above shows that with a 4.6% increase overall bills would increase from 2017-18 (current plan) to 2018-19 (proposed plan) by about \$54 in one year or about \$1 per week. It is likely that similar increases will be required in 2019-20 and 2020-21. Customer feedback (such as from this issues paper) will have an impact as will the Regulator's investigation and price determination process.

5.2 Fixed and variable charges

Most of our costs do not change if there is more or less water consumed or sewage disposed. Costs to manage plant assets and maintain our network of pipes do not change regardless of the volumes of water they carry. These are called fixed costs and are about 80 per cent of our total costs.

Other costs, such as electricity, vary depending on how much water people consume and how much sewage requires collection and treatment. These are called variable costs and make up about 20 per cent of our total costs.

At the moment, the prices we charge to recover these costs are about 70 per cent fixed and 30 per cent variable. Increasing the variable portion of the charge gives customers more control over their water bill (e.g. by using less water, your bill will be less). However, an increased variable charge could mean higher costs for customers who use a lot of water such as some business customers. A substantial increase to the variable charge could mean a large bill increase for high volume water users and impact the profitability of business customers.

At TasWater, we also have to be sure that we will get enough money from customers to cover our fixed costs. If we were to increase the variable component of the average bill then our income would be more uncertain and we may have to charge more per unit of water consumed.

Generally it is better for TasWater if our fixed charges cover the fixed costs of this business. We do not propose to materially change the ratio of fixed and variable charges in PSP3, although we would like to hear the views of our customers on this matter.

5.3 Sewerage charges

Unlike the water system, the sewerage system does not have meters to determine the volumetric usage of each customer. Instead, we use an equivalent tenement (ET) methodology to approximate the load a property places on the sewerage system. One ET is considered to be the sewage discharge from an average residential house under dry weather flows. For business customers the number of ETs is determined by their type of business. More information on how we calculate ETs for non-residential properties can be found on our website.

We propose to retain this general methodology for sewerage charging in PSP3, although we would like to hear views from customers on specific business uses that may have unique sewage load characteristics.

We are also undertaking a review of sewerage charging methodologies more generally and we will consider possible changes in PSP4 if there are better alternatives.

5.4 Statewide pricing

At the moment, our charges are the same across the state rather than charging customers in one region more or less than customers in another region (depending on the cost to serve those customers).

Our reasons for statewide pricing include:

- Paying the same price for the same service is generally viewed as leading to an equitable outcome for an essential service such as provision of drinking water and treatment of sewage
- Uniform pricing is simple to understand, particularly given the many different pricing arrangements which previously existed in Tasmania
- Many small towns could not afford to pay the costs associated with operating and maintaining small water supply and wastewater treatment systems
- The administrative costs of developing a complex zone-based pricing system would be high.

Issue 3 – Customer bills

- What do you think is a reasonable percentage increase per year in PSP3 given the need to substantially improve drinking water quality and reduce our impact on the environment, yet recognising the need to keep customer bills affordable?
- Would you be willing to pay more to further accelerate improvements to drinking water and the environment? What is the maximum percentage increase you would be prepared to pay for an accelerated program?
- Do you think the variable/fixed split for charges:
 - Should be weighted more toward fixed? If so, why?
 - Is about right (i.e. variable/fixed charges should reflect variable/fixed costs)?
 - Should be weighted more toward variable? If so, why?
- What do you think about our equivalent tenement methodology for sewerage bills?

6. What service obligations should TasWater provide to customers during PSP3?

6.1 Customer service obligations

PSP3 is based on providing a defined level of service to our customers relating to the performance of our assets, the performance of our systems and service outcomes for customers. We have updated the current PSP standards to be more meaningful for customers and give a clearer indication of our performance to other customers. The proposed service standards are summarised in the table below, while the targets are discussed further in the next section.

Table 4: Customer service standards framework

Ref	Service	Measure	Unit of measure
1	Water	Water main breaks	No. per 100 km of water main
2	Water	Percentage of response times within x minutes to attend Priority 1 bursts and leaks	Per cent
3	Water	Percentage of response times within x minutes to attend Priority 2 bursts and leaks	Per cent
4	Water	Percentage of response times within x minutes to attend Priority 3 bursts and leaks	Per cent
5	Water	Incidence of unplanned interruptions - Water	No. per 1,000 properties
6	Water	Incidence of planned interruptions – Water	No. per 1,000 properties
7	Water	Average duration of an unplanned interruption - Water	Minutes
8	Water	Average duration of a planned interruption - Water	Minutes
9	Water	Percentage of unplanned water supply interruptions restored within x hours	Per cent
10	Water	Percentage of planned water supply interruptions restored within x hours	Per cent
11	Water	Number of customers experiencing repeat unplanned water supply interruptions in a financial year	Number
12	Water	Percentage of non-revenue water (of total sourced potable water)	Per cent
13	Sewerage	Sewerage mains breaks and chokes	No. per 100 km of sewer main
14	Sewerage	Percentage of response times within x minutes to attend sewer spills, breaks and chokes	Per cent
15	Sewerage	Percentage of sewage spills contained within x hours	Per cent
16	Sewerage	Number of customers experiencing repeat sewage overflows on private property in a financial year	Number
17	Customer	Total water and sewerage complaints	No. per 1,000 properties
18	Customer	Water and sewerage complaints to the Ombudsman	No. per 1,000 properties
19	Customer	Percentage of calls answered by an operator within x seconds	Per cent

6.2 What service standards could we change to reduce the upward pressure on bills?

The investment required to operate, maintain and upgrade our infrastructure depends in part on the targets that we set for each of the service standards above. Changing our current targets means that our costs could go up if we increase the target, or down if we relax the target.

For example, we could reduce some service standards (such as slower response times for Priority 2 bursts and leaks) which could reduce the upward pressure on costs. On the other hand, if customers desire higher service standards (such as fewer water main bursts and service interruptions) this could increase the upward pressure on costs.

The following measures from the table above are 'minimum' service standards that the Regulator requires we meet. These are the measures where a change to the service standard could have a direct impact on costs and on the outcomes that customers receive. The measures include:

Table 5: Service standards that could be changed

Ref	Measure	Actual for 2015-16	Target for 2016-17	Target for 2017-18	How could this measure change for PSP3?
2	Percentage of response times within 60 minutes to attend Priority 1* bursts and leaks	87%	90%	90%	Some water utilities in metropolitan areas of Australia have a response time of about 30 minutes although other water utilities (often in non-urban areas) have a response time of 60 minutes. If we set a target to respond more quickly, our costs could go up. If we relax them to 90 minutes (for example), costs could go down.
3	Percentage of response times within 3 hours to attend Priority 2** bursts and leaks	98%	90%	90%	Similar water utilities in Australia have response times varying from 45 minutes to five hours. There may be some potential to have a longer response time, which could free up staff to work on higher priority maintenance tasks.
4	Percentage of response times within 3 days to attend Priority 3*** bursts and leaks	91%	90%	90%	Some water utilities do not have a 'Priority 3' standard at all (given its low priority). Other water utilities in Australia where water conservation has a very high priority, have response times varying from 225 minutes to 415 minutes. If we reduce our response time, our costs could go up. If we relax them to 1 or 2 weeks, costs could go down.
9	Percentage of unplanned water supply interruptions restored within 5 hours	93%	90%	98%	If we reduce the interruption time, our costs could go up with additional people and resources required to meet this target. If we relax them for a longer response time, costs could go down.
10	Percentage of planned water supply interruptions restored within 5	89%	85%	90%	If we reduce the interruption time, our costs could go up with additional people and resources. If we relax them for a longer response time, costs could go down.

	hours				
14	Percentage of response times within 60 minutes to attend sewer spills, breaks and chokes	78%	90%	90%	Most water utilities have a response time of 50 to 60 minutes. If we reduce the response time, our costs could go up. Correspondingly, if we increase the response time, costs could go down but the human health risk and environmental risk would increase.
15	Percentage of sewage spills contained within 5 hours	99%	99%	99%	If we reduce our response time, our costs could go up. If we relax them, costs could go down, but the human health risk and environmental risk would increase.
19	Percentage of calls answered by an operator within 30 seconds	88%	85%	85%	Similar water utilities in Australia have targets that range from 77% to 90%. Costs could go down if customers were happy to wait longer to have their call answered, for example 60 seconds.

*Priority 1 is a burst or leak that causes, or has potential to cause, substantial damage or harm to customers, water quality, flow rate, property or environment

**Priority 2 is a burst or a leak that causes, or has the potential to cause, minor damage or harm to customers, water quality, flow rate, property or environment

***Priority 3 is a burst or leak that causes no discernible impact on customers, property or the environment

6.3 Differential service standards

In our current price and service plan, we provide the same standard of service across the state partly because customers are paying the same price across the state for those services. Also, we already have staff at sites across Tasmania due to the need to operate our many treatment plants in regional areas (refer to Figure 2 on page 9).

As a result, there is limited scope to reduce costs by providing lower service standards in regional areas. On the contrary, during peak hours some urban locations can be more expensive to service due to the need to deal with traffic congestion to repair burst water mains. While we do not anticipate that costs will be lower if we introduce differential service standards, we would like to hear the views of our customers on this matter.

Issue 4 – Service standards

- For the customer service standards identified in Table 5, would you prefer:
 - Improved standards (e.g. faster response times, shorter and less frequent service interruptions) which could mean higher costs or fewer resources to improve drinking water quality or environmental outcomes?
 - About the same standards as they are now?
 - Reduced standards (e.g. slower response times, longer or more frequent service interruptions) which could reduce the upward pressure on costs but may increase human health or environmental risks?
- Are there any other standards that you think should be changed (improved or reduced)?
- Should we introduce differential standards so that regions receive lower levels of service to balance out the cost to provide service to those areas (e.g. areas with a higher cost to serve receive a lower standard of service)?

7. What is serviced land and what are the issues?

Serviced land means land, identified by individual title, that we will permit to be connected to our infrastructure.

Normally these are locations where we can supply a full water or sewerage service with most properties receiving safe drinking water. However, a small number of customers receive untreated water or water with unreliable pressure. In these latter cases these customers receive a discount on their fixed charges and if their water is not suitable for drinking, they also get a discount on their variable charges. When these customers are connected to our large diameter pipes, they are referred to as wayside connections.

Many of these connections (wayside or otherwise) are historical. As such, our systems were not designed to cater for them, so we will never be able to provide a full service like other customers without spending significant amounts on infrastructure, at the expense of other customers.

7.1 Vacant land service charges

All properties within serviced land contribute to the costs of maintaining pipes and treatment plants through their fixed and service charges. Service charges apply to vacant land that is yet to be developed within the serviced land area. When we are asked we must be able to connect and supply these properties within 10 days.

To do this we have to make sure that that they are serviced at all times, requiring us to spend money on maintaining pipes, pumps and running the treatment plants. Our approach shares the cost between properties that use our services now and properties that may use our services in the future. The approach also recognises the public health and environmental benefits of piped, tested drinking water and sewage removal and treatment, and the increase in property values. Most water utilities interstate apply a similar charge, with some limiting this to vacant residential land.

If there is vacant land within the serviced land, the following applies:

- Vacant land water service charges – same as non-vacant land
- Vacant land sewerage service charge – 40 per cent discount on the full fixed charge. The sewerage charge is reduced more than water as it includes a consumption component.

There are about 10,000 vacant land properties in Tasmania that currently pay these charges. Many people question this, but if the charge was removed, there would need to be an extra charge to all customers of about \$15 a year.

7.2 What about connections outside serviced land?

If a property is not currently located in our serviced land area then we are not obliged to provide them with water or sewerage and they are not required to pay fixed or variable charges. On occasions when we are able and agree to connect them, customers can do so at their own cost. As noted earlier, we have a number of historical connections to our water mains, however, neighbouring properties are not in serviced land and do not pay any charges.

Issue 5 – Serviced land

- Is our definition of serviced land clear? If not, how could it be improved? Is there additional information we should provide about the quality of service?
- Should everyone that can access water and/or sewerage services contribute to the costs through the fixed or service charge, regardless of whether they currently are physically connected?
- Should we allow new connections outside serviced land? Should there be any exceptions like industrial or agricultural development?

8. How do we work with new development?

We understand our key role in supporting and encouraging economic growth by providing system capacity for water and sewerage services to new developments. This recognises the scale and momentum of such development and the significant ongoing benefits to the Tasmanian community.

PSP3 will outline a clear path for how water and sewerage infrastructure will be developed and improved over coming years, including supporting growth in numbers of customers.

Currently some aspects of who pays for new developments are very clear. There are different components of development in relation to water and sewerage infrastructure, which include:

- Works internal – water and sewerage pipes (and pumps where applicable) within a new subdivision
- Works external, extension – water and sewerage infrastructure linking the new development to TasWater’s existing water and sewerage pipes
- Works external, expansion – when a new development necessitates an upgrade of our existing pipe network or treatment plants to ensure enough capacity exists for the development.

The following table outlines our approach to each of these components:

Table 6: Developer charges approach

Component	Sufficient Capacity	Insufficient Capacity
Works Internal	Developer pays all costs	Developer pays all costs
Works External – Extension	Developer pays costs of extension required for the development	Developer pays costs of extension required for the development
Works External - Expansion	Not applicable	Developer pays costs of expansion required for the development

Where a development will not be connected to our network, this is called an isolated development and all the costs are paid by the developer.

Issue 6 – Policy for new development

- Are our development policies clear and fair?
- In general, should all customers contribute to the cost of growth and development as it supports the economic prosperity of Tasmania?
- For specific developments, is it reasonable that developer(s) pay the works internal and works external costs attributable to their development(s)?

9. What is trade waste and how is it managed?

Trade waste is liquid waste that is more variable and diverse in volume and quality than typical household sewage. Some examples of trade waste include liquid waste from food or meat preparation, supermarkets, washing water from laundromats, and motor trades like mechanical workshops and panel beaters. This waste places additional demands and impact on the sewerage system compared with residential waste. Depending on the type of trade waste we need to check that our customers have the necessary pre-treatment in place to reduce the impact on our sewerage system.

In addition to our commercial customers, we also have a small number, but high volume, of industrial trade waste customers. We have specific agreements and charges given their diversity, complexity and volume of their trade waste. This group of customers includes sites such as landfills, meat, vegetable and dairy processing which can create a high impact on sewerage infrastructure and be costly to collect and treat.

To reduce the impact that these sites have on the sewerage system we require pre-treatment and/or improved waste quality. Our [Trade Waste Charges Policy](#) also ensures the cost of providing trade waste services is fully recovered on an equitable basis (a 'user pays' approach).

We have recognised the cost and complexity to the businesses to make these changes, so we have negotiated transition periods. This also includes moving to full cost recovery, required by legislation, before 1 July 2020.

Issue 7 – Trade waste policy

- Is our trade waste policy clear and fair?
- Are the trade waste arrangements flexible enough for the requirements and variability of your business?
- To support Tasmania's economic growth, should all customers contribute to the costs of managing trade waste, or should the costs be paid directly by those that generate the waste (user pays)?

10. Conclusion

At TasWater we are committed to careful consideration of all customer suggestions and opinions on how we should change to provide a better service that meets the needs of our customers, our legal obligations and the desires of key stakeholders.

We are looking for your opinions on the questions listed below. We also encourage you to provide comments on any other issues of interest or concern to you.

10.1 List of questions

Issue 1 – Our Priorities

- What do you think the relative importance of our priorities should be?
 - Protecting public health by providing safe and clean drinking water across Tasmania
 - Reducing the environmental impact from water that is discharged from sewage treatment plants
 - Ensuring the safety of dams to protect water security and public safety
 - Maintaining reliable networks to reduce water service interruptions and sewage spills
 - Increasing water storage capacity to avoid water restrictions
 - Helping Tasmania's economy to grow by supporting new development.

Issue 2 – Investment to address key challenges

- What do you think about the split of spending across the priorities?
- What do you think of the timing of spending we have proposed for the priorities?
- Are there other specific projects TasWater should be investing in that are important to you?

Issue 3 – Customer bills

- What do you think is a reasonable percentage increase per year in PSP3 given the need to substantially improve drinking water quality and reduce our impact on the environment, yet recognising the need to keep customer bills affordable?
- Would you be willing to pay more to further accelerate improvements to drinking water and the environment? What is the maximum percentage increase you would be prepared to pay for an accelerated program?
- Do you think the variable/fixed split for charges:
 - Should be weighted more toward fixed? If so, why?
 - Is about right (i.e. variable/fixed charges should reflect variable/fixed costs)?
 - Should be weighted more toward variable? If so, why?
- What do you think about our equivalent tenement methodology for sewerage bills?

Issue 4 – Service standards

- For the customer service standards identified above, would you prefer:
 - Improved standards (e.g. faster response times, shorter and less frequent service interruptions) which could mean higher costs or fewer resources to improve drinking water quality or environmental outcomes?
 - About the same standards as they are now?
 - Reduced standards (e.g. slower response times, longer or more frequent service interruptions) which could reduce the upward pressure on costs but may increase human health or environmental risks?
- Are there any other standards that you think should be changed (improved or reduced)?

- Should we introduce differential standards so that regions receive lower levels of service to balance out the cost to provide service to those areas (e.g. areas with a higher cost to serve receive a lower standard of service)?

Issue 5 – Serviced land

- Is our definition of serviced land clear? If not, how could it be improved? Is there additional information we should provide about the quality of service?
- Should everyone that can access water and/or sewerage services contribute to the costs through the fixed or service charge, regardless of whether they currently are physically connected?
- Should we allow new connections outside serviced land? Should there be any exceptions like industrial or agricultural development?

Issue 6 – Policy for new development

- Are our development policies clear and fair?
- In general, should all customers contribute to the cost of growth and development as it supports the economic prosperity of Tasmania?
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Issue 7 – Trade waste policy

- Is our trade waste policy clear and fair?
- Are the trade waste arrangements flexible enough for the requirements and variability of your business?
- To support Tasmania's economic growth, should all customers contribute to the costs of managing trade waste, or should the costs be paid directly by those that generate the waste (user pays)?

11. List of acronyms and abbreviations

Acronym	Meaning
ANCOLD	Australian National Committee on Large Dams
CPI	Consumer Price Index
DHHS	Department of Health and Human Services
DPIPWE	Department of Primary Industries, Parks, Water and Environment
DWQMP	Drinking Water Quality Management Plan
EPA	Environment Protection Authority
ET	Equivalent Tenement
OTTER	Office of the Tasmanian Economic Regulator
PSP3	Price and Service Plan 3
WWMP	Wastewater Management Plan



**NORTHERN
MIDLANDS
COUNCIL**

Our Ref: 14/121

17 February 2017

Price & Service Plan 3 submissions
TasWater
GPO Box 1393
HOBART TAS 7001

Via email only: tw.psp3@taswater.com.au

Dear Sirs

PRICE & SERVICE PLAN 3 – CONSULTATION ISSUES PAPER

Thank you for the opportunity to comment on the TasWater Price & Service Plan 3 (PSP3).

Please see Council's key comments in respect to PSP3 below:

Issue 1 – Our priorities

Of the priorities identified at item 10.1 of the discussions paper, it is the view of Council that all are of equal importance.

Issue 2 – Investment to address key challenges

The Northern Midlands Council advocates for price increases at the rate of CPI only. The capital expenditure budget should be adjusted to enable price increases to be limited to CPI.

It is noted the number of waste water and sewerage treatment plants is significantly disproportionate to the size of the population TasWater services. As such, TasWater is met with the challenge of upgrading and consolidating this equipment to meet modern standards. This is an example of why TasWater requires Federal assistance to enable it to meet the needs of the customers it is servicing.

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Issue 3 – Customer bills

As previously identified a reasonable percentage increase per year is CPI only. It is suggested that the variable/fixed split should remain as is to enable a regular income stream for TasWater.

TasWater should be accountable to its customers in the first instance. Its primary concern ought to be the ability of its customers to pay, taking into consideration the cost impositions imposed on TasWater by the economic regulator.

Issue 4 – Service standards

It is recommended that service standards remain the same.

Issue 6 – Policy for new development

It is agreed it is reasonable that developer(s) should contribute some proportion of headworks costs attributable to their developments. The cost of development should be sourced from the developer, and then the whole community.

Yours sincerely

Des Jennings
GENERAL MANAGER



Quarterly Report to Owners' Representatives

Progress update to 31 December 2016





Document Approval and Issue Notice

This is a managed document. For identification of amendments each page contains a release number and a page number.

Changes will only be issued as a complete replacement document. Recipients should remove superseded versions from circulation. This document is authorised for release once all signatures have been obtained.

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Table of Contents

1. INTRODUCTION	4
2. GENERAL UPDATE	4
2.1 Flood recovery	4
2.2 Twenty four towns program	4
2.3 Macquarie Point sewage treatment plant relocation	5
2.4 Launceston City Council dispute	5
2.5 PSP3 and LTSP	5
2.6 Legislative changes	6
2.7 Devonport office	6
2.8 Removal of cash payment facilities in Launceston and Devonport	6
3. PERFORMANCE UPDATE	7
3.1 Commercial and economic outcomes	7
3.2 Customer and community outcomes	12
3.3 Water and environmental outcomes	14
3.4 Our people and culture	16
4. CAPITAL EXPENDITURE PROJECTS AND PROGRAMS	17



1. Introduction

We are pleased to present our second quarter (Q2) FY2016/17 Quarterly Report to Owners' Representatives in accordance with the requirements of the Shareholders' Letter of Expectations.

Outlined below are reports on the key aspects of our performance over the past quarter and year-to-date. These are followed by scorecards reflecting the status of our performance against key performance indicators outlined in our Corporate Plan FY2017-19, and our financial performance compared to the FY2016/17 Budget.

2. General update

2.1 Flood recovery

The total impact of the June 2016 floods is now estimated at \$7.4 million. This is a significant reduction from earlier advice as a result of a reduction in the extent of repairs required to the Forth Clear Water Storage, which is now estimated at \$2.0 million. We are not anticipating the need to write off any further assets. The full year impact on our FY2016/17 pre-tax profit is estimated at \$1.3M after taking into account insurance recoveries.

Our eligibility for compensation under the National Disaster Relief Recovery Arrangements (NDRRA) is still with the State Attorney-General's Office. No indication of the timing of a decision in relation to our eligibility has been provided although we continue to maintain contact with the relevant officer.

2.2 Twenty four towns program

We remain on track to remove the permanent Public Health Alerts¹ (PHA) for 24 small towns² by August 2018, which as at 1 July 2016 could not drink their water straight from the tap.

Of the 11 towns that already have upgrades underway, two PHAs were removed (Scamander and Whitemark) during the quarter. Of the remaining nine towns, eight remain on track for removal of the PHAs by 30 June 2017³ with Gretna being the only exception.

Tenders have been received for the Gretna upgrade which incorporates the introduction of drinking water to the towns of Bushy Park and Glenora. However construction contracts have not been awarded due to higher than anticipated tender costs, and the potential opportunity to expand the scheme to address recently identified water quality issues at Fentonbury, Westerway, National Park and Maydena.

By incorporating some or all of Fentonbury, Westerway, National Park and Maydena into the Gretna scheme, it is possible we may be able to significantly reduce the long term cost to deliver safe drinking water to these towns. These four towns were not part of the original 24 towns program but have recently had temporary Boil Water Alerts applied as a result of the Regulator's assessment that there are inadequate barriers of protection to ensure the water is safe to drink.

We remain committed to providing quality water to our Gretna customers, but a slight delay to enable us to revisit solutions as new information becomes available is prudent.

¹ Public Health Alert is the term used by DHHS which includes Boil Water Alerts (BWAs) and Do Not Consume notices (DNCs).

² Twenty four towns are Scamander, Lady Barron, Whitemark, Mole Creek, Avoca, Ringarooma, Branxholm, Derby, Legerwood, Winnaleah, Gretna, Pioneer, Mountain River, Cornwall, Epping Forest, Gladstone, Gormanston, Herrick, Judbury, Mathinna, Rossarden, Wayatinah, Conara and Bronte Park.

³ The final decision on whether to remove a PHA rests with the DHHS, hence timing advice is subject to DHHS timeframes for approval which TasWater does not control.



There are two service replacement programs underway (Pioneer and Mountain River) which we are intending to close out by 30 June 2017 subject to the approval of the Economic Regulator (OTTER). Community meetings are scheduled in January to take customers through the service replacement close out program and receive their feedback.

The 11 towns that form part of our Small Towns Program (Cornwall, Epping Forest, Gladstone, Gormanston, Herrick, Judbury, Mathinna, Rossarden, Wayatinah, Conara and Bronte Park) are being managed as a program of work which will be split into packages for delivery. Options analysis has been completed for each town followed by a call for Expressions of Interest (EOI) which was issued before Christmas. EOIs will close in mid-January and will be followed by a call for tenders from short listed organisations to undertake the work needed to have the PHAs removed by our August 2018 deadline. Community meetings and letters to customers have also been instigated to ensure that customers are kept abreast of progress and have an opportunity for input.

2.3 Macquarie Point sewage treatment plant relocation

On 26 October 2016 we were advised that no further payments will be made for our design and planning services until such time as the Crown provides confirmation to the Macquarie Point Development Corporation that funding is available for decommissioning of the sewage treatment plant (STP). We have since put the project into hibernation.

The Tasmanian Planning Commission upheld the requirement for a 400 metre "buffer" to be retained around TasWater's STP meaning that sensitive uses (involving human occupation for prolonged periods) may not commence in that area until the STP is decommissioned. In addition, a variety of medium to high risk non-sensitive uses (eg eating establishments, hotels, sports and recreation facilities) may only be undertaken prior to decommissioning within that zone if a number of criteria are satisfied to demonstrate that the use will not be adversely impacted by the continued operation of the STP.

2.4 Launceston City Council dispute

The arbitrator's determination took effect from 1 July 2016. The determination included the back payment of charges from the commencement of the *Urban Drainage Act 2013*, as well as setting the basis for future charges and review periods. We have finalised an ongoing Service Agreement with Launceston City Council, and all monies due before the end of 2016 have been received.

2.5 PSP3 and LTSP

Preparation of the Long Term Strategic Plan (LTSP) and Price and Service Plan 3 (PSP3) are now well underway. The model that underpins the LTSP is under development and will determine an optimal set of capital and operational investments to achieve our strategic objectives using our current 10 year Financial Plan as a base. We have held a meeting with our regulators to discuss our approach to the LTSP and the resulting trade-offs between prices, service standards and the time to reach full compliance.

We have also published a Consultation Issues Paper to seek feedback from our customers and stakeholders on key aspects of PSP3. We have held six focus groups around the state to explore these issues with our customers, and additional customer consultation activities will take place through February 2017.

We are currently gathering data to forecast our operating expenditure over the PSP3 period (1 July 2018 to 30 June 2021).



2.6 Legislative changes

In principle support has been received from the Department of Treasury and Finance in relation to proposed legislative changes. We are working with the Department to develop appropriate drafting instructions for the Office of Parliamentary Counsel.

Further discussions will be had with other government departments that have legislative responsibility for other areas in which changes are sought over the coming months.

2.7 Devonport office

We celebrated the opening of our new Devonport office on 28 November 2016 centralising the bulk of our North West office staff. The new office co-locates the Network Operations Centre and the Customer Service Centre consolidating important statewide services in the North West of Tasmania.

The focus of the new office is to ensure a modern working environment that supports zero harm and collaboration of staff through access to meeting rooms, break out spaces and video conferencing facilities. We anticipate improved staff engagement driving productivity improvements and better service outcomes for our customers.

2.8 Removal of cash payment facilities in Launceston and Devonport

Following review of cash payment facilities our Launceston and Devonport shopfronts went cash free on 3 January 2017 to ensure consistency of payment options offered to customers via our shopfronts. We will continue to assist customers with all enquiries including payments using EFTPOS, credit card and cheque. Cash payments can be made for our customer accounts at Service Tasmania and Australia Post, which are within close proximity to both the Launceston and Devonport shopfronts.



3. Performance update

3.1 Commercial and economic outcomes

Net Profit after Tax at the end of the second quarter was \$17.5 million compared to a budgeted result of \$13.9 million with expenses being \$0.8M below budget year to date. Loans and Borrowings were \$441.7 million at 31 December 2016, an increase of \$6.1 million from 1 October 2016. Refer to Tables 2, 3 and 4 at the end of this section for the status of our Balance Sheet, Income Statement and Cash Flow Statement.

Capital expenditure is below expectations due primarily to the loss of momentum associated with slowing down of the program leading into the start of the financial year. While we have since re-initiated a number of previously deferred capital projects, the time involved to do so is resulting in capital expenditure being below expectations. Refer to section 4 Capital Expenditure Projects and Programs for further detail on the capital program.

We have continued to focus on the delivery of \$4.5 million in productivity benefits for FY2016/17 (\$3.5M from operational savings and \$1M from addressing revenue leakage) as per our Corporate Plan FY2017-19. At the end of Q2, \$1.574 million of the productivity benefits have been banked against a year to date target of \$1.953 million.

While the banked amount at the end of Q2 is less than we had targeted, most of the benefits involve the setup of projects⁴ in the first half of the year with benefits flowing in the second half. At this point in time we are forecasting realisation of \$4.4 million in overall productivity benefits for the year.

Priority productivity initiatives completed at the end of quarter two include review of our capital delivery system and governance, consolidation of the northern and southern laboratories, reduction in travel costs, review of electricity contracts and re-negotiation of our external laboratory contract. Other initiatives currently in progress include a review of our biosolids operations, revenue leakage review, meter replacement savings, laboratory productivity review, service delivery model review, contract and insurance premium cost reduction, centralisation of our procurement process, fleet review, business systems review and roll out of an Asset Management Information System.

A number of these projects will roll over into the next financial year where in some cases the majority of the project related benefits will be delivered as part of our \$5M target for FY2017/18 to bring the total annualised benefits to \$10.4M for the 3 year period from FY2015/16 to FY2017/18. We are also preparing to undertake reviews of our customer service operations, finance and commercial services processes and identification of further opportunities to reduce the cost to deliver our projects. These reviews will use the results of a number of national benchmarking exercises to identify key opportunities for cost reductions.

The number of water systems currently totals 71, being three greater than our target of 68 and an increase from our FY2015/16 result of 70 due to the transfer of the privately owned Bronte Park system. The total is set to decrease to 66 with work currently underway to decommission existing drinking water systems at Avoca, Branxholm, Derby, Legerwood, and Winnaleah. This is consistent with our goal to rationalise the number of plants thereby reducing our operating costs into the future.

⁴ The program involves 19 high priority projects

The number of dams that plot above the ANCOLD limit of tolerability for societal risk remains at 11. However we expect to meet our targeted reduction to 10 by the end of the financial year as a result of planned upgrade works at Conglomerate Dam.

Year to date we have recorded 10 non-compliances rated serious with a correction to what was reported in the first quarter due to a change by Department of Health and Human Services (DHHS) in the declaration process for BWAs. All serious non-compliances reported in the first quarter were due to heavy rainfall and high levels of turbidity (cloudiness) in systems that are disinfection only. The Maydena system experienced high levels of turbidity in October and consequently a Boil Water Alert was issued.

Table 1: Commercial and economic performance to date

Strategy	KRA	KPI	FY2016/17			FY2015/16 Actual	
			Q2*	YTD*	Target		
1	Ensure we have the necessary funding sources to deliver our desired long term outcomes	Financial performance	Net Profit After Tax	\$9M	\$17.5M	\$26.3M	\$19.3M
			Capital Expenditure	\$24.4M	\$49.2M	\$105M	\$129M
			Interest cover ratio (times)	3.3	3.3	3.0	2.74
			Gearing ratio	27.5%	27.5%	29.0%	26.05%
			Net cash flow from operations	\$18.2M	\$36.4M	\$87.1M	\$74.5M
2	Improve business productivity and reduce costs to achieve our financial plans	Productivity improvement	Sustainable cost savings	\$0.2M	\$0.2M	\$3.5M	\$0.9M
			Number of water systems	71	71	68	70
			Increase income from revenue leakage initiatives	\$0.2M	\$0.2M	\$1.0M	\$1.8M
3	Operate the business in a manner that is consistent with our risk appetite	Risk management	Number of dams that plot above the ANCOLD limit of tolerability for societal risk	11	11	10	12
		Compliance	Water commercial and industrial customers on target tariff	Under review	Under review	93.1%	Not recorded
			Sewage commercial and industrial customers on target tariff	Under review	Under review	61.1%	Not recorded
			Non-compliances rated serious	1	10	4	15

*Note scores rounded to nearest whole number where target has no decimal places.

Key:

GREEN = on or better than target

AMBER = within 20% of target

RED = greater than 20% outside target

Table 2: Financial statements – Balance Sheet

Balance Sheet	Closing Position at 31 December 16	Opening Position at 1 July 16	Year to Date Movement	FY2016/17 Corporate Plan
	\$ '000	\$ '000	\$ '000	\$ '000
CURRENT ASSETS				
Cash & Cash Equivalents	2,208	2,748	(540)	2,500
Trade Receivables	28,971	27,663	1,308	31,636
Other Receivables	19,267	14,086	5,182	16,130
Asset for Flood Recoverables to Date	2,834		2,834	-
Insurance Monies Received to Date	(2,000)		(2,000)	-
Inventories	5,603	5,587	15	5,852
Prepayments	5,094	2,726	2,368	1,968
Current Tax Assets	3,822	(1,417)	5,239	-
TOTAL CURRENT ASSETS	65,799	51,392	14,406	58,086
NON-CURRENT ASSETS				
Property, Plant & Equipment	2,019,080	2,000,351	18,729	1,983,506
Net Deferred Tax Assets	44,126	44,126	-	59,347
TOTAL NON-CURRENT ASSETS	2,063,206	2,044,476	18,729	2,042,853
TOTAL ASSETS	2,129,004	2,095,869	33,136	2,100,939
CURRENT LIABILITIES				
Loans and Borrowings	(73,516)	(98,031)	24,515	(158,881)
Employee Benefits	(16,353)	(15,480)	(873)	(16,048)
Payables	(19,278)	(24,586)	3,568	(29,217)
Unearned Income	(1,833)	(1,590)	(243)	(1,414)
Current Tax Liability	-	-	-	(615)
TOTAL CURRENT LIABILITIES	(112,719)	(139,687)	26,967	(206,175)
NON-CURRENT LIABILITIES				
Loans and Borrowings	(368,232)	(332,252)	(35,980)	(295,064)
Employee Benefits	(12,695)	(12,855)	160	(9,237)
Unearned Income	(31,891)	(32,577)	686	(33,942)
Other	(3,778)	(3,787)	9	-
TOTAL NON-CURRENT LIABILITIES	(416,596)	(381,471)	(35,125)	(338,243)
TOTAL LIABILITIES	(529,315)	(521,157)	(8,158)	(544,418)
NET ASSETS	1,599,689	1,574,712	24,978	1,556,520
MEMBERS FUNDS				
Retained Profits	37,427	12,450	24,978	28,706
Revaluation Reserve	34,448	34,448	-	-
Contributed Equity	1,527,814	1,527,814	-	1,527,814
TOTAL MEMBERS FUNDS	1,599,689	1,574,712	24,978	1,556,520

Table 3: Financial statements – Income Statement

Income Statement	Year to Date Actual	Year to Date Budget	Year to Date Variance	FY2016/17 Corporate Plan
	\$ '000	\$ '000	\$ '000	\$ '000
Revenue				
Fixed Charges	110,344	109,494	851	218,990
Volumetric Charges	28,712	28,569	143	60,922
Services & consulting revenue	2,401	2,530	(129)	5,060
Headworks	204	125	79	250
Contributed assets	10,924	6,000	4,924	12,000
Government grants	691	774	(84)	1,549
Sundry revenue	1,089	835	254	1,668
Launceston Combined System	3,127	4,500	(1,373)	5,250
Macquarie Point Contribution	941	2,000	(1,059)	4,000
Total Revenue	158,433	154,827	3,606	309,689
Expenses				
Chemicals, Power & Royalties	9,994	11,463	(1,469)	23,913
Materials & Services	15,939	16,236	(297)	33,473
Water Sampling	1,599	1,538	61	2,650
Salaries & Related Personnel Expenditure	45,578	44,365	1,213	88,798
Regulatory Costs	1,277	1,335	(58)	2,670
Governance	491	552	(61)	1,151
Information Systems	2,503	2,786	(283)	6,118
Customer Collection Expenses	1,850	1,708	142	3,416
External Specialist Support	2,167	1,996	171	3,649
Administration Other	1,882	1,837	45	3,680
Community Relations	137	162	(25)	329
Facility Management	3,783	3,737	46	7,726
Insurance	775	815	(40)	1,630
Motor vehicle	1,819	2,036	(217)	4,071
Total Expenses	89,794	90,565	(771)	183,273
Earnings before Interest & Depreciation	68,638	64,262	4,376	126,416
Loan guarantee fee (LGF)	1,264	1,308	(44)	2,599
Interest expense	8,037	8,159	(121)	16,271
Depreciation	34,359	34,976	(617)	69,952
Net Operating Profit before Tax	24,978	19,819	5,159	37,594
Tax	7,493	5,946	1,548	11,278
Net Profit after Tax	17,484	13,873	3,611	26,316

Table 4: Financial statements – Cash Flow Statement

Cash Flow Statement	Year to Date Actual	Year to Date Budget	Year to Date Variance	2016 Corporate Plan
	\$ '000	\$ '000	\$ '000	\$ '000
Cash Flows from Operating Activities				
Receipts from Customers	137,298	135,276	2,023	294,627
Receipts from Government/Grants	6,209	4,288	1,921	-
Payments to Suppliers & Employees	(100,932)	(105,268)	4,337	(201,600)
Interest Received	22	31	(9)	62
Interest Paid	(7,829)	(8,009)	180	(15,793)
Loan Guarantee Fees Paid	(202)	-	(202)	(1,457)
Income Tax Equivalents Paid	(5,239)	(3,558)	(1,681)	(7,116)
GST Refund	7,067	9,421	(2,353)	18,327
Net Cash from Operating Activities	36,394	32,180	4,215	87,050
Cash Flows from Investing Activities				
Payments for Property, Plant & Equipment	(49,220)	(59,910)	10,690	(105,000)
Government Contributions	-	-	-	-
Proceeds from Sale of Property, Plant & Equipment	820	100	720	200
Net Cash Flows from Investing Activities	(48,400)	(59,810)	11,410	(104,800)
Cash Flows from Financing Activities				
Net Proceeds from Borrowings	11,465	27,665	(16,200)	39,177
Dividends Paid	-	-	-	(21,427)
Net Cash Flows from Financing Activities	11,465	27,665	(16,200)	17,750
Net Movement in Cash for the Year	(541)	34	(575)	(0)
Opening Cash Balance	2,749	2,466	283	2,500
Closing Cash Balance	2,208	2,500	(293)	2,500



3.2 Customer and community outcomes

The number of complaints at the end of quarter two was unfavourable against target due to ongoing concerns on water quality issues including those relating to high turbidity, taste and odour.

The ratio of favourable to unfavourable media articles was below target for the quarter, however there has been a notable improvement with favourable media relating to removal of Boil Water Alerts and the 24 towns initiative.

Sewer breaks and chokes per 100 kilometres of main improved on the previous quarter primarily due to more favourable climatic conditions, however is still tracking unfavourably against target.

Unplanned water supply interruptions per 100 kilometres of main continue to track unfavourably against target although improved on the previous quarter's result. Action has subsequently been taken to reduce the probability of unplanned interruptions by improving the preventative maintenance prioritisation process for high consequence water mains.

The measure for wet weather sewage spills to sensitive receiving waters is under review to ensure consistency of the calculation. This will be addressed for the next Quarterly Report.

Table 5: Customer and community performance to date

Strategy	KRA	KPI	FY2016/17			FY2015/16
			Q2*	YTD*	Target	Actual
1 Invest in programs that enhance customer experiences	Customer experience	Customer satisfaction	93%	92%	70%	90%
		First point resolution	87%	79%	75%	61%
		Customer effort score	1.5	1.4	2.0	1.3
		Calls answered in the first 30 seconds	95%	89%	85%	88%
		Complaints (per 1,000 properties)+	3	6	9	14
2 Take a long term strategic approach to engaging with key stakeholders and the broader community	Reputation	Ratio of favourable to unfavourable media articles	1.6:1	1.6:1	2.0:1.0	1.3:1.0
3 Minimise service interruptions and impacts from sewage spills and water interruptions	Service standards	Time taken to attend Priority 1 water bursts and leaks (minutes)+ ¹	32	31	60	35
		Time to attend sewage breaks, chokes and spills (minutes)+ ¹	48	57	60	56
		Sewer breaks and chokes (per 100km of main)+	14	30	52	61
		Unplanned water supply interruptions (per 100km of main)+	19	40	68	84
		Wet weather sewage spills to sensitive receiving waters [^]	Under review	Under review	35	Not recorded
		Oyster farm shutdowns caused by sewage spills [^]	0	0	3	2
		Reportable dry weather sewage spills per annum	16	36	110	109

*Note scores rounded to nearest whole number where target has no decimal places.

[^]For rainfall events of less than 1 in 5 recurrence interval

+Regulated performance indicator – Office of the Tasmanian Economic Regulator (OTTER)

¹To be achieved at least 90% of time per Customer Service Code

Key:

GREEN = on or better than target

AMBER = within 20% of target

RED = greater than 20% outside target



3.3 Water and environmental outcomes

In addition to the towns with permanent PHAs being addressed as part of our 24 Towns Program, a further six towns (Colebrook, Rocky Creek, Fentonbury, Westerway, National Park and Maydena) have been issued with Boil Water Alerts (BWA) over the last six months. Some of these towns have had more than one alert resulting in a year to date total of 10 towns with Short Term Boil Water Alerts.

BWAs for each of these additional towns have arisen as a result of heavy rainfall leading to high turbidity that in turn has reduced the effectiveness of chlorination. The Department of Health and Human Services is reluctant to remove the BWAs until either a permanent solution can be found, or testing can demonstrate that the system no longer poses a risk and that there will not be a need to repeatedly apply and remove BWAs. To the extent that project based solutions may be required, we are investigating how we might address the water quality issues at each of these towns in a timely manner and wherever possible integrating them into our existing 24 Towns Program.

Wastewater compliance continues to be below target and will likely remain so until the work being undertaken by the newly formed sewerage system optimisation team starts to take effect. A three per cent improvement on the previous quarter may be due to an increased focus on the larger sewage treatment plants or a natural variation.

Table 6: Water and environmental performance to date

Strategy	KRA	KPI	FY2016/17			FY2015/16
			Q2*	YTD*	Target	Actual
1 Invest in robust drinking water systems to ensure water is safe for consumption	Drinking water quality	Number of systems from which we receive more than 10 taste and odour water supply complaints per annum	2	3	5	5
		Number of <i>E.coli</i> detections	2	4	30	Not recorded
		Short term boil water alerts put in place by DHHS	10 ¹	10	2	8
		Towns on long term Boil Water Alerts or Public Health Alerts	24	24	13	23
		Percentage of compliant fluoride systems	97%	97%	95%	100%
		Percentage of compliant potable systems	100%	100%	98%	96%
2 Lift sewerage system performance to align with modern day environmental standards	Environmental compliance and impact	Trade waste customers with current consents/contracts	88%	88%	80%	80%
		Volume of compliant effluent	49%	42%	52%	39%
		Number of environmental non-compliances rated serious	0	0	0	1

*Note scores rounded to nearest whole number where target has no decimal places.

¹ BWAs applied to the towns of Colebrook, Rocky Creek, Fentonbury, Westerway, National Park and Maydena are included in this number until we either receive confirmation from DHHS that they will remain permanently in place while a solution is developed or they are authorised for removal.

Key:

GREEN = on or better than target

AMBER = within 20% of target

RED = greater than 20% outside target

3.4 Our people and culture

At the end of quarter two (Q2) our rolling Lost Time Injury Frequency Rate (LTIFR) was 4.6, representing a 25 per cent decrease from the previous quarter and a 6 per cent decrease Financial Year to Date (FYTD).

The Total Recordable Injury Frequency Rate (TRIFR) as at the end of Q2 was 13.3 representing a decrease of 13 per cent from the previous quarter and a 14 per cent decrease FYTD. No regulatory reportable safety incidents were recorded during the reporting period.

During the first half of FY2016/17 the Contractor Management project work has resulted in a steady and noticeable decline in the number of contractor related injuries and significant incidents. This project, along with our Fatality Risk Reduction Program, will continue throughout the second half of FY2016/17 and is on track for completion by the end of this financial year.

In summary safety statistics for the first half of FY2016/17 are trending favourably to target. If injury rates continue at or below target averages, all end of year Key Performance Indicators relating to injury targets will be met.

Table 7: People and culture performance to date

Strategy	KRA	KPI	FY2016/17			FY2015/16 Actual
			Q2*	YTD*	Target	
1 Invest in programs that create a safe working environment	Safety performance	Lost time injury frequency rate (LTIFR)	6.1	4.6	4.0	4.9
		Total recordable injury frequency rate (TRIFR)	15.3	13.3	15.0	15.4
		Notifiable incidents	0	4	5	7
2 Invest in leadership development, skills training programs and innovation	Organisation capability	Innovations under trial	1	1	3	3
		% of internal appointments to vacancies	57%	47%	40%	31%
		% of completions for formal qualifications	80%	80%	75%	80%
3 Develop programs to realise our desired culture	Culture development	Voluntary turnover rate	10%	10%	10%	9.3%

*Note scores rounded to nearest whole number where target has no decimal places.

Key:

GREEN = on or better than target

AMBER = within 20% of target

RED = greater than 20% outside target



4. Capital expenditure projects and programs

The capital budget for FY2016/17 is \$105.0 million. However, in announcing the acceleration of the capital program in August 2016, we revised the current year capital expenditure target to \$125.0 million. The total capital expenditure for the first half up to 31 December 2016 was \$49.2 million.

There are large projects that will increase capital expenditure in the coming months including King Island water supply scheme, Kingborough sewerage scheme and Conglomerate Dam upgrade. The awarding of King Island water supply scheme and Kingborough sewerage scheme occurred in quarter two, contracts have been finalised and we are developing detailed program plans with mobilisation expected in quarter three.

Due to development application approval delays with the Kingborough project associated projects are also delayed including the Margate water main upgrade, which may be delayed further due to tender validity issues.

The Flinders Island water supply and Avoca water supply are operational and the Boil Water Alerts are due to be removed in the third quarter (February).

The Longford to MacKinnons Hill Reservoir project completion date has been extended due to land acquisition issues, a referral will be submitted to the Department of the Environment in quarter three (January).

The Conglomerate Dam project is currently in the tender award stage with a view to award the contract in quarter three and works to be completed within 12 months.

The Asset Management Information System is now scheduled for completion in January 2017, rather than the targeted November 2016. The project remains within budget.

Minor works, asset safety improvements, renewal programs, investment in SCADA network upgrade and minor dam improvements contribute to the overall program.

Table 8: Top 25 major capital projects (by value)

Project Title	Driver	Current Project Stage	Project Budget ('000)	Completion Date
Northern Midlands Sewerage Improvement Plan (NMSIP)	Compliance	Planning	\$56,000	To be confirmed
Kingborough Sewerage Strategy - Treatment	Growth	Implementation	\$31,500	Dec-19
Small Town Water Supply Strategy	Compliance	Planning	\$25,000	Aug-18
Ridgeway Dam – upgrade post tensioned anchors	Compliance	Design	\$22,000	To be confirmed
Tolosa Dam replacement infrastructure	Compliance	Construction	\$18,550	Jun-17
Kingborough Sewerage Strategy – network	Growth	Implementation	\$17,500	Dec-19
King Island treated water supply	Compliance	Construction	\$15,805	Sep-17
Ringarooma Valley water Supply Scheme	Compliance	Construction	\$14,396	May 17
Asset Management Information System (AMIS) – Stage 2	Improvement	Implementation	\$13,300	Nov 16-
Flinders Island Water Supply ⁵	Compliance	Construction	\$10,979	Feb-17
Lake Mikany Dam safety upgrade	Compliance	Planning	\$7,120	Jun-18
Sewage Treatment Plant Inlet Works	Compliance	Defects	\$5,870	Completed
Flagstaff Gully – dam safety upgrade	Compliance	Planning	\$5,200	To be confirmed
Avoca Full Treated Water Supply	Compliance	Construction	\$4,790	Feb-17
Margate Water Main Upgrade Stage 2	Growth	Construction	\$4,662	Jun-17
Cambridge Wet Weather Emergency Storage & Plant Process Improvements	Compliance	Deferred	\$4,570	To be confirmed
Orford Sewage Pump Stations & Network Upgrade	Compliance	Deferred	\$4,563	To be confirmed
Conglomerate Dam Upgrade	Compliance	Design	\$4,188	Jun-17
Longford to MacKinnons Hill Reservoir Rising Main	Growth	Construction	\$4,057	Jun-17
Ti Tree Bend - Digester	Compliance	Planning	\$3,989	To be confirmed
Winnaleah Treated Water Supply	Compliance	Construction	\$3,800	Mar-17
Burnie STP Upgrade (LION Trade Waste)	Growth	Construction	\$3,360	Jun-17
Gretna/Bushy Park/Glenora Water Supply Upgrade	Compliance	Procurement	\$3,337	Sep-17
Girdlestone Reservoir Rectification	Renewal	Design	\$3,082	Jun-17
Swansea Clay Liner	Compliance	Planning	\$3,000	TBC

GREEN = On target for agreed scope, budget and time

ORANGE = At risk of not meeting agreed scope, budget or time

RED = Outside of agreed scope, budget or time

GREY = Deferred as part of review of capital works program

⁵ Whitemark is complete, Lady Barron is due for completion in February.

Table 9: FY2016/17 Top 10 capital programs (by value)

Project Title	Budget ('000)	Comment
Sewage Treatment Plant Renewal Program	\$5,530	Annual program
Sewage Pump Station Renewal Program	\$5,301	Annual program
SCADA Program	\$5,000	Annual program
Sewer Main Renewals Program	\$4,525	Annual program
Meter Program	\$4,300	Annual program
Water Main Renewals Program	\$4,200	Annual program
Minor Projects Program	\$4,000	Annual program
Water Treatment Plant Renewal Program	\$3,310	Annual program
Electrical Program	\$2,000	Annual program
Fleet (Vehicle and Plant) Replacement Program	\$2,000	Annual program

GREEN = On target for agreed scope, budget and time

AMBER = At risk of not meeting agreed scope, budget or time

RED = Outside of agreed scope, budget or time



Mill Dam External Income and Expenditure Summary
For the period 1/7/09 to 13/2/17



Account		Average										
External Income		2016/17	2015/16	2014/15	2013/14	2012/13	2011/12	2010/11	2009/10	1	2	3
505752	Grant Income - NRM Mill Dam Revegetation & Cleanup Project PA2038	6,500										
505753	Grant Income - NRM Mill Dam Flood Restoration Grant FA059	5,000										
505754	Grant Income - Mill Dam Riparian & Conservation Project CAG 11-00262	13,620										
505757	NRM Mill Dam - Hydrological & Geomorphic Assessment Contributions	10,000										
505758	NRM - Income TEER Riverbank Erosion Mill Dam HS1	44,245										
505759	NRM - Income TEER Riverbank Erosion Mill Dam HS3	2,433										
		<u>81,798</u>										
Expenditure												
404260.33	Emergency Maintenance - Flooding 25/3/2011 Mill Dam	27,897										
505946	NRM - Mill Dam Riparian Project CAG 11-00262	13,449										
505947	NRM Mill Dam - Hydrological & Geomorphic Assessment Expenditure	10,050										
505950	NRM - Expenditure TEER Riverbank Erosion Mill Dam HS1	48,044										
505955	NRM - Expenditure TEER Riverbank Erosion Mill Dam HS3	4,866										
505960	NRM - Expenditure Green Army Round 4	4,098										
517455	Project 14/11 - Mill Dam Action Group Reserve Restoration	665										
		<u>109,068</u>										
		<u>27,270</u>										
		<u>81,798</u>										

Annual Reserve Maintenance Expenditure by year(Carried out by Councils Parks and Reserves Crew and Contractors)

	Average	2016/17	2015/16	2014/15	2013/14	2012/13	2011/12	2010/11	2009/10
453750	Mill Dam - Longford Mowing	665	1260	317	268	482	136	189	541
459050	Mill Dam - Longford General Reserve Maintenance	23546	7193	8643	4297	6167	6798	13723	23546
		<u>24211</u>	<u>8453</u>	<u>8960</u>	<u>4565</u>	<u>6649</u>	<u>6934</u>	<u>13912</u>	<u>24211</u>

Notes:

- 1 \$8,804 Excavator Hire Mill dam walkway and Seat Installation Funding from FA059
- 2 \$9,304 Mill dam access roadway works
- 3 \$20,216 Mill dam access roadway works
- 4 Flood damage repair works to Track, hotspot 1 repair and flood debris removal carried out Nov/Dec 2016 \$ 31,770 (Woodlands Management)
- 5 Costed to emergency management account, not included in above, to be recovered under disaster relief funding.
- 6 Funded in part by amounts recovered under disaster relief funding.



Northern Midlands Council Account Transactions

A/c: 404260.33 Emergency Maintenance - Flooding 25/3/2011 Mill Dam

Period	Post Date	Trans Type	Reference	Description	Jnl No	Session	Line Item	Quantity	Amount	Progressive						
4	10-10-11	Pur	8408878	Hire of Excavator <i>Creditor: 'Gavandy Contracting', Pay date: 19-Oct-2011, Pay amount: \$9,482.00</i>			39145 Phext		5,467.50	5,467.50						
<i>Paid by EFT 45319</i>																
4	19-10-11	Hrs	PAY181011	Labour Hours			39149 Wages		125.09	5,592.59						
<i>Notes: Total Hours for Period Ending: 18/10/2011</i>																
4	19-10-11	Onc	PAY181011	Labour Oncost			39149 Onc		53.79	5,646.38						
<i>Notes: Oncost for Period Ending: 18/10/2011</i>																
4	19-10-11	P/H	PAY181011	Plant Hire			39149 Ph		264.00	5,910.38						
<i>Notes: Total Plant Hire for the Period Ending: 18/10/2011</i>																
5	16-11-11	Hrs	PAY151111	Labour Hours			39357 Wages		98.40	6,008.78						
<i>Notes: Total Hours for Period Ending: 15/11/2011</i>																
5	16-11-11	Onc	PAY151111	Labour Oncost			39357 Onc		42.31	6,051.09						
<i>Notes: Oncost for Period Ending: 15/11/2011</i>																
5	16-11-11	P/H	PAY151111	Plant Hire			39357 Ph		75.00	6,126.09						
<i>Notes: Total Plant Hire for the Period Ending: 15/11/2011</i>																
5	19-10-11	Pur	15792	Hire of McCormick Tractor <i>Creditor: 'Longford Plant Hire', Pay date: 16-Nov-2011, Pay amount: \$143.00</i>			39366 Phext		130.00	6,256.09						
<i>Paid by EFT 45516</i>																
5	25-10-11	Pur	743	Mill Dam Flood Damage Clean Up <i>Creditor: 'Woodland Management Pty Ltd', Pay date: 16-Nov-2011, Pay amount: \$25,525.00</i>			39366 Contract		16,763.64	23,019.73						
<i>Paid by EFT 45512</i>																
5	31-10-11	Pur	31479	Fine Screened Raeburn <i>Creditor: 'Stormway Civil Pty Ltd', Pay date: 16-Nov-2011, Pay amount: \$99,426.36</i>			39366 Mat		3,596.42	26,616.15						
<i>Paid by EFT 45449</i>																
5	30-11-11	Hrs	PAY291111	Labour Hours			39478 Wages		145.48	26,761.63						
<i>Notes: Total Hours for Period Ending: 29/11/2011</i>																
5	30-11-11	Onc	PAY291111	Labour Oncost			39478 Onc		62.56	26,824.19						
<i>Notes: Oncost for Period Ending: 29/11/2011</i>																
5	30-11-11	P/H	PAY291111	Plant Hire			39478 Ph		112.50	26,936.69						
<i>Notes: Total Plant Hire for the Period Ending: 29/11/2011</i>																
6	14-12-11	Hrs	PAY131211	Labour Hours			39582 Wages		461.99	27,398.68						
<i>Notes: Total Hours for Period Ending: 13/12/2011</i>																
6	14-12-11	Onc	PAY131211	Labour Oncost			39582 Onc		198.66	27,597.34						
<i>Notes: Oncost for Period Ending: 13/12/2011</i>																
6	14-12-11	P/H	PAY131211	Plant Hire			39582 Ph		300.00	27,897.34						
<i>Notes: Total Plant Hire for the Period Ending: 13/12/2011</i>																
									\$27,897.34							
									No. of Transactions: 16							
									Contract	Mat	Onc	Ph	Phext	Wages	Period Total	
4												53.79	264.00	5,467.50	125.09	5,910.38
5										16,763.64	3,596.42	104.87	187.50	130.00	243.88	21,026.31
6												198.66	300.00		461.99	960.65
Line Item Total									16,763.64	3,596.42	357.32	751.50	5,597.50	830.96	27,897.34	

A/c: 505752 Grant Income - NRM Mill Dam Revegetation & Cleanup Project

Period	Post Date	Trans Type	Reference	Description	Jnl No	Session	Line Item	Quantity	Amount	Progressive		
12	28-06-10	Inv		Mill Dam Revegetation & Clean Up as per Partnership Agreement			35159 Gfg	1	(6,500.00)	(6,500.00)		
<i>Notes: 220599 : NORTHERN TASMANIAN NRM REGIONAL ASSOCIATION</i>												
									No. of Transactions: 1	1	-\$6,500.00	
									Gfg	Period Total		
12										(6,500.00)	(6,500.00)	
Line Item Total									(6,500.00)	(6,500.00)		

A/c: 505753 Grant Income - NRM Mill Dam Flood Restoration Grant FA059

Period	Post Date	Trans Type	Reference	Description	Jnl No	Session	Line Item	Quantity	Amount	Progressive			
4	25-10-11	Inv		Funding Agreement for Longford Mill Dam Flood Restoration Project			39197 Gsg	1	(5,000.00)	(5,000.00)			
<i>Notes: 220599 : Northern Tasmanian Nrm Regional Assoc</i>													
12	30-06-12	Jnl	Jnl 326	Correct Line Item allocations Grant Income	326	41302	Gfg		(5,000.00)	(10,000.00)			
12	30-06-12	Jnl	Jnl 326	Correct Line Item allocations Grant Income	326	41302	Gsg		5,000.00	(5,000.00)			
									No. of Transactions: 3	1	-\$5,000.00		
									Gfg	Gsg	Period Total		
4											(5,000.00)	(5,000.00)	(5,000.00)
12										(5,000.00)	5,000.00	0.00	
Line Item Total									(5,000.00)	0.00	(5,000.00)		

A/c: 505754 Grant Income - Mill Dam Riparian & Conservation Project CAG 11-00262

Period	Post Date	Trans Type	Reference	Description	Jnl No	Session	Line Item	Quantity	Amount	Progressive		
9	06-03-12	Jnl	Jnl 170	Lfd Mill Dam Reconstruction	170	40165	Gfg		(14,982.00)	(14,982.00)		
9	06-03-12	Jnl	Jnl 170	Lfd Mill Dam Reconstruction	222	40496	Gfg		1,362.00	(13,620.00)		
<i>Notes: JNL222 to a/c 271390.</i>												
									No. of Transactions: 2	-\$13,620.00		
									Gfg	Period Total		
9										(13,620.00)	(13,620.00)	
Line Item Total									(13,620.00)	(13,620.00)		

A/c: 505757 NRM Mill Dam - Hydrological & Geomorphic Assessment Contributions

Period	Post Date	Trans Type	Reference	Description	Jnl No	Session	Line Item	Quantity	Amount	Progressive
6	17-12-14	Inv		Agreed Contribution to Hydrological and Geomorphic			48702 Cont	1	(2,500.00)	(2,500.00)

Northern Midlands Council Account Transactions

		Assessment of 1km section of South Esk River at Longford								
6	17-12-14	Inv	Notes: 220630 : HYDRO TASMANIA Agreed contribution to Hydrological and Geomorphic Assessment of 1km section of South Esk River at Longford	48702 Cont	-1	(2,500.00)	(5,000.00)			
6	17-12-14	Inv	Notes: 221718 : JBS AUSTRALIA Agreed contribution to Hydrological and Geomorphic Assessment of 1km section of South Esk River at Longford	48702 Cont	1	(2,500.00)	(7,500.00)			
6	17-12-14	Inv	Notes: 220599 : NRM NORTH Agreed contribution to Hydrological and Geomorphic Assessment of 1km section of South Esk River at Longford	48702 Cont	1	(2,500.00)	(10,000.00)			
		Notes: 221876 : Department of State Growth								
				No. of Transactions: 4			4	-\$10,000.00		
6			Cont			Period Total				
Line Item Total			(10,000.00)			(10,000.00)				

A/c: 505758		NRM - Income TEER Riverbank Erosion Mill Dam HS1									
<u>Period</u>	<u>Post Date</u>	<u>Trans Type</u>	<u>Reference</u>	<u>Description</u>	<u>Jnl No</u>	<u>Session</u>	<u>Line Item</u>	<u>Quantity</u>	<u>Amount</u>	<u>Progressive</u>	
8	23-02-16	Inv		Agreed contribution to TEER Riverbank erosion works at Mill Dam, Longford Hot spot 1		52660	Cont	1	(10,000.00)	(10,000.00)	
		Notes: 221876 : Department of State Growth									
8	23-02-16	Inv		Agreed contribution to TEER Riverbank erosion works at Mill Dam, Longford Hot spot 1		52660	Cont	1	(5,000.00)	(15,000.00)	
		Notes: 221718 : JBS AUSTRALIA									
8	23-02-16	Inv		Agreed contribution to TEER Riverbank erosion works at Mill Dam, Longford Hot spot 1		52660	Cont	1	(5,000.00)	(20,000.00)	
		Notes: 221813 : TASRAIL									
12	16-06-16	Jnl	Jnl 227	NRM North	227	53536	Cont		(24,245.26)	(44,245.26)	
				No. of Transactions: 4			3	-\$44,245.26			
8			Cont			Period Total					
Line Item Total			(20,000.00)			(20,000.00)					
12			Cont			Period Total					
Line Item Total			(24,245.26)			(24,245.26)					

A/c: 505759		NRM - Income TEER Riverbank Erosion Mill Dam HS3								
<u>Period</u>	<u>Post Date</u>	<u>Trans Type</u>	<u>Reference</u>	<u>Description</u>	<u>Jnl No</u>	<u>Session</u>	<u>Line Item</u>	<u>Quantity</u>	<u>Amount</u>	<u>Progressive</u>
12	16-06-16	Jnl	Jnl 227	NRM North	227	53536	Cont		(2,432.83)	(2,432.83)
				No. of Transactions: 1			1	-\$2,432.83		
12			Cont			Period Total				
Line Item Total			(2,432.83)			(2,432.83)				

A/c: 505946		NRM - Mill Dam Riparian Project CAG Expenditure									
<u>Period</u>	<u>Post Date</u>	<u>Trans Type</u>	<u>Reference</u>	<u>Description</u>	<u>Jnl No</u>	<u>Session</u>	<u>Line Item</u>	<u>Quantity</u>	<u>Amount</u>	<u>Progressive</u>	
3	09-08-12	Pur	2856	Assorted Plants		41770	Mat		808.36	808.36	
		Notes: JNL195 from a/c 707789.65.									
4	28-08-12	TaxC	21101680	Tie Wire	86	42261	Mat		(0.70)	807.66	
		Notes: JNL86 from a/c 707789.65.									
5	11-11-12	Pur	2961	Plants - Mill Dam Reveg Project		42275	Mat		345.45	1,153.11	
		Notes: JNL195 from a/c 707789.65.									
6	21-11-12	Pur	10128118	Chisel, Hammer, Gloves, Soil Saturator & Lopper		42481	Mat		100.85	1,253.96	
		Notes: JNL195 from a/c 707789.65.									
8	20-01-13	Pur	2988	Bamboo Stakes & Tree Guards		42883	Mat		86.36	1,340.32	
		Notes: JNL195 from a/c 707789.65.									
8	22-01-13	Pur	10142725	Buckets & Rainsaver Crystals		42883	Mat		14.52	1,354.84	
		Notes: JNL195 from a/c 707789.65.									
8	22-01-13	Pur	10142724	Bucket		42883	Mat		1.81	1,356.65	
		Notes: JNL195 from a/c 707789.65.									
9	24-08-12	Pur	98558194	Corflute Vine Guards	195	43178	Mat		0.90	1,357.55	
		Notes: JNL195 from a/c 707789.65.									
9	24-08-12	TaxC	98558194	Corflute Vine Guards	195	43178	Mat		(0.08)	1,357.47	
		Notes: JNL195 from a/c 707789.65.									
9	27-08-12	Pur	21101664	Star Fence Posts	195	43178	Mat		85.80	1,443.27	
		Notes: JNL195 from a/c 707789.65.									
9	27-08-12	Pur	10415318	Stocktite & Wire	195	43178	Mat		1,200.10	2,643.37	
		Notes: JNL195 from a/c 707789.65.									
9	27-08-12	Pur	10415909	Credit re Stocktite	195	43178	Mat		(596.20)	2,047.17	
		Notes: JNL195 from a/c 707789.65.									

Northern Midlands Council
Account Transactions

9	27-08-12	TaxC	10415909	Credit re Stocktite	195	43178	Mat		54.20	2,101.37
<i>Notes: JNL195 from a/c 707789.65.</i>										
9	27-08-12	TaxC	21101664	Star Fence Posts	195	43178	Mat		(7.80)	2,093.57
<i>Notes: JNL195 from a/c 707789.65.</i>										
9	27-08-12	TaxC	10415318	Stocktite & Wire	195	43178	Mat		(109.10)	1,984.47
<i>Notes: JNL195 from a/c 707789.65.</i>										
9	11-12-12	Pur	2976	Assorted Trees		43251	Mat		327.27	2,311.74
<i>Creditor: Habitat Horticultural Services , Pay date: 27-Mar-2013 , Pay amount: \$360.00 Paid by EFT 49879</i>										
11	30-04-13	Pur	50000	Gloves, Sprayer & Jug		43563	Mat		55.90	2,367.64
<i>Creditor: Rural Supplies Pty Ltd , Pay date: 15-May-2013 , Pay amount: \$331.50 Paid by EFT 50275</i>										
11	30-04-13	Pur	21103722	Roundup		43563	Mat		207.73	2,575.37
<i>Creditor: T.P Jones & Co P/L , Pay date: 15-May-2013 , Pay amount: \$429.75 Paid by EFT 50222</i>										
12	31-05-13	Pur	886	Mill Dam Bank Stabilization Works		43876	Contract		2,720.00	5,295.37
<i>Creditor: Woodland Management Pty Ltd , Pay date: 27-Jun-2013 , Pay amount: \$6,253.50 Paid by EFT 50771</i>										
12	26-06-13	Pur	3136	Mill Dam Project Trees		44014	Mat		4,742.91	10,038.28
<i>Creditor: Habitat Horticultural Services , Pay date: 17-Jul-2013 , Pay amount: \$6,417.20 Paid by EFT 50909</i>										
12	26-06-13	Pur	3137	Mill Dam Project Tubes		44014	Mat		1,090.91	11,129.19
<i>Creditor: Habitat Horticultural Services , Pay date: 17-Jul-2013 , Pay amount: \$6,417.20 Paid by EFT 50909</i>										
12	30-06-13	Jnl	Jnl 339	Mill Dam CAG Project Admin Support and Audit Alloc	339	44741	Hec		100.00	11,229.19
12	30-06-13	Jnl	Jnl 339	Mill Dam CAG Project Admin Support and Audit Alloc	339	44741	Mat		250.00	11,479.19
12	30-06-13	Jnl	Jnl 339	Mill Dam CAG Project Admin Support and Audit Alloc	339	44741	Tel		100.00	11,579.19
12	30-06-13	Jnl	Jnl 339	Mill Dam CAG Project Admin Support and Audit Alloc	339	44741	Wages		1,000.00	12,579.19
2	06-08-14	Hrs	PAY050814	Labour Hours		47262	Wages		248.61	12,827.80
<i>Notes: Total Hours for Period Ending: 05/08/2014</i>										
2	06-08-14	Onc	PAY050814	Labour Oncost		47262	Onc		109.39	12,937.19
<i>Notes: Oncost for Period Ending: 05/08/2014</i>										
2	06-08-14	P/H	PAY050814	Plant Hire		47262	Ph		107.40	13,044.59
<i>Notes: Total Plant Hire for the Period Ending: 05/08/2014</i>										
3	22-08-14	Pur	86712	Queen Victoria Museum, Books		47836	Mat		403.96	13,448.55
<i>Creditor: Launceston City Council , Pay date: 17-Sep-2014 , Pay amount: \$444.36 Paid by EFT 54458</i>										

No. of Transactions: 29

\$13,448.55

	Contract	Hec	Mat	Onc	Ph	Tel	Wages	Period Total
3			808.36					808.36
4			(0.70)					(0.70)
5			345.45					345.45
6			100.85					100.85
8			102.69					102.69
9			955.09					955.09
11			263.63					263.63
12	2,720.00	100.00	6,083.82			100.00	1,000.00	10,003.82
2				109.39	107.40		248.61	465.40
3			403.96					403.96
Line Item Total	2,720.00	100.00	9,063.15	109.39	107.40	100.00	1,248.61	13,448.55

A/c: 505947 NRM Mill Dam - Hydrological & Geomorph Assessment Expenditure

Period	Post Date	Trans Type	Reference	Description	Jnl No	Session	Line Item	Quantity	Amount	Progressive
10	27-02-15	Pur	133497	Longford Mill Dam #1		49496	Consult		7,650.00	7,650.00
<i>Creditor: Johnstone McGee & Gandy Pty Ltd , Pay date: 1-Apr-2015 , Pay amount: \$8,415.00 Paid by EFT 56325</i>										
12	29-06-15	Pur	134419	Longford Mill Dam #2 Final Claim		50350	Consult		2,400.00	10,050.00
<i>Creditor: Johnstone McGee & Gandy Pty Ltd , Pay date: 20-Jul-2015 , Pay amount: \$6,820.00 Paid by EFT 57309</i>										

No. of Transactions: 2

\$10,050.00

	Consult	Period Total
10	7,650.00	7,650.00
12	2,400.00	2,400.00
Line Item Total	10,050.00	10,050.00

A/c: 505950 NRM - Expenditure TEER Riverbank Erosion Mill Dam HS1

Period	Post Date	Trans Type	Reference	Description	Jnl No	Session	Line Item	Quantity	Amount	Progressive
10	16-03-16	Pur	50949	HS1 & HS2 Mill Dam		53137	Mat		3,857.50	3,857.50
<i>Creditor: Sure Gro , Pay date: 20-Apr-2016 , Pay amount: \$6,264.50 Paid by EFT 59898</i>										
10	06-04-16	Pur	151666	Erect Fence at Mill Dam		53137	Contract		1,485.52	5,343.02
<i>Creditor: Richard Duncan , Pay date: 20-Apr-2016 , Pay amount: \$3,834.07 Paid by EFT 59827</i>										
11	17-04-16	Pur	3833	Plants		53318	Mat		608.73	5,951.75
<i>Creditor: Habitat Horticultural Services , Pay date: 18-May-2016 , Pay amount: \$772.42 Paid by EFT 60028</i>										
11	24-04-16	Pur	1167	Excavator Works - Mill Dam HP #1		53318	Contract		35,045.00	40,996.75
<i>Creditor: Woodland Management Pty Ltd , Pay date: 18-May-2016 , Pay amount: \$45,336.50 Paid by EFT 60048</i>										
11	05-05-16	Pur	151672	Complete Wire Fence		53318	Contract		960.00	41,956.75
<i>Creditor: Richard Duncan , Pay date: 18-May-2016 , Pay amount: \$1,056.00 Paid by EFT 60069</i>										
11	17-04-16	Pur	3833	Plants		53399	Mat		6,087.32	48,044.07
<i>Creditor: Habitat Horticultural Services , Pay date: 30-May-2016 , Pay amount: \$7,724.23 Paid by EFT 60165</i>										

No. of Transactions: 6

\$48,044.07

	Contract	Mat	Period Total
10	1,485.52	3,857.50	5,343.02
11	36,005.00	6,896.05	42,701.05
Line Item Total	37,490.52	10,553.55	48,044.07

A/c: 505955 NRM - Expenditure TEER Riverbank Erosion Mill Dam HS3

Period	Post Date	Trans Type	Reference	Description	Jnl No	Session	Line Item	Quantity	Amount	Progressive
10	16-03-16	Pur	50949	HS1 & HS2 Mill Dam		53137	Mat		1,837.50	1,837.50
<i>Creditor: Sure Gro , Pay date: 20-Apr-2016 , Pay amount: \$6,264.50 Paid by EFT 59898</i>										

Northern Midlands Council Account Transactions

10	06-04-16	Pur	151666	Erect Fence at Mill Dam	53137 Contract		2,000.00	3,837.50
				<i>Creditor: 'Richard Duncan , Pay date: 20-Apr-2016 , Pay amount: \$3,834.07</i>				<i>Paid by EFT 59827</i>
11	19-04-16	Pur	3839	Plants	53318 Mat		93.47	3,930.97
				<i>Creditor: 'Habitat Horticultural Services , Pay date: 18-May-2016 , Pay amount: \$772.42</i>				<i>Paid by EFT 60028</i>
11	19-04-16	Pur	3839	Plants	53399 Mat		934.71	4,865.68
				<i>Creditor: 'Habitat Horticultural Services , Pay date: 30-May-2016 , Pay amount: \$7,724.23</i>				<i>Paid by EFT 60165</i>

No. of Transactions: 4

\$4,865.68

	Contract	Mat	Period Total
10	2,000.00	1,837.50	3,837.50
11		1,028.18	1,028.18
Line Item Total	2,000.00	2,865.68	4,865.68

A/c: 505960 NRM - Expenditure Green Army Round 4

Period	Post Date	Trans Type	Reference	Description	Jnl No	Session	Line Item	Quantity	Amount	Progressive
3	25-08-16	Pur	126	Training Green Army at Woolmers Estate		54519	Contract		4,000.00	4,000.00
				<i>Creditor: 'James Boxhall , Pay date: 2-Sep-2016 , Pay amount: \$4,000.00</i>						<i>Paid by EFT 61344</i>
7	31-12-16	Pur	Inv311216	Goods - Dec 16		55760	Mat	1	36.63	4,036.63
				<i>Creditor: 'Browns Store , Pay date: 18-Jan-2017 , Pay amount: \$645.94</i>						<i>Paid by EFT 62450</i>
7	31-12-16	Pur	Inv311216	Goods - Dec 16		55760	Mat	1	61.50	4,098.13
				<i>Creditor: 'Browns Store , Pay date: 18-Jan-2017 , Pay amount: \$645.94</i>						<i>Paid by EFT 62450</i>

No. of Transactions: 3

2 \$4,098.13

	Contract	Mat	Period Total
3	4,000.00		4,000.00
7		98.13	98.13
Line Item Total	4,000.00	98.13	4,098.13

A/c: 517455 Project 14/11 - Mill Dam Action Group Reserve Restoration

Period	Post Date	Trans Type	Reference	Description	Jnl No	Session	Line Item	Quantity	Amount	Progressive
11	11-04-12	Pur	Inv110412	Spreading Fill at Mill Dam Site		40630	Contract		490.00	490.00
				<i>Creditor: 'R J Weller , Pay date: 16-May-2012 , Pay amount: \$539.00</i>						<i>Paid by EFT 47077</i>
12	18-05-12	Pur	61471	50 Garden Stakes		40809	Mat		35.00	525.00
				<i>Creditor: 'Self Help Workshop Inc , Pay date: 13-Jun-2012 , Pay amount: \$38.50</i>						<i>Paid by EFT 47222</i>
3	10-08-12	Pur	61832	Garden Stakes		41770	Mat		73.09	598.09
				<i>Creditor: 'Self Help Workshop Inc , Pay date: 19-Sep-2012 , Pay amount: \$80.40</i>						<i>Paid by EFT 48086</i>
7	03-12-12	Pur	448985628	Paint		42686	Mat		66.43	664.52
				<i>Creditor: 'Dulux Australia , Pay date: 16-Jan-2013 , Pay amount: \$291.41</i>						<i>Paid by EFT 49126</i>

No. of Transactions: 4

\$664.52

	Contract	Mat	Period Total
11	490.00		490.00
12		35.00	35.00
3		73.09	73.09
7		66.43	66.43
Line Item Total	490.00	174.52	664.52

Report Totals: **11 \$27,270.20**

R. J. GILBERTSON (LONGFORD) PTY. LTD.

TRADING AS

1-155

LONGFORD MEAT COMPANY

(INCORPORATED IN VICTORIA)

(O. H. W. Jak, Manager)

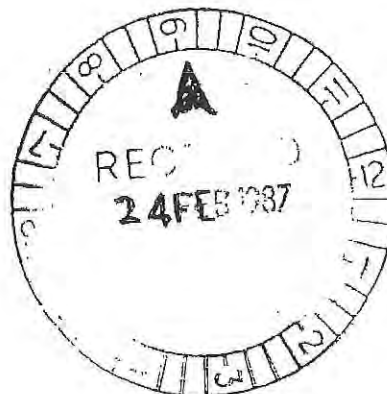
Telephone (003) 91 1509

P.O. Box 42, Longford

LONGFORD
TASMANIA 7301

23/2/87

LONGFORD MUNICIPALITY,
Council Chambers,
LONGFORD TAS. 7301



Mr. B.M. Viney,

Dear Sir,

I would like to confirm and give the company's approval to build a walking path to the mill dam picnic ground, on the land belonging to the Longford Meat Company.

Yours Faithfully,

O. H. W. Jak

OTTO JAK
MANAGER

Handwritten notes:
3-3-87
18-B-17

MILL DAM PEDESTRIANS & BIKE

1-156
ACCESS ROAD

1. Road from gate to bridge to be approximately 2 metres wide. One section to be rock filled due to boggy area and a 6" to 8" culvert provided.
2. A stile and bike ramp to be provided on the right hand side of the access gate as well as at the new fence (erected by Gilbertsons) at the bridge.
3. A 12" culvert is required on the dam side of the bridge to drain excess water from the road.
4. Removable or hinged pole with lock to be fitted in the middle of the two access gates.
5. A trench to be dug from the bridge on the side of the existing access road and behind the existing hedge on the mill dam road with the soil to be deposited between the trench and the road.





THIS AGREEMENT is made the ^{15th} day of ^{January} One thousand nine hundred and sixty-^{six}~~five~~ BETWEEN THE HYDRO-ELECTRIC COMMISSION of Tasmania (hereinafter called "the Commission") of the one part and THE WARDEN, COUNCILLORS AND ELECTORS OF THE MUNICIPALITY OF LONGFORD (hereinafter called "the Council") of the other part WHEREBY it is agreed as follows :-

1. THE Commission will let and the Council will take ALL THAT the land and premises (hereinafter called "the said land") described in the Schedule hereto TO HOLD the same from the ^{15th} day of ^{January} One thousand nine hundred and sixty-^{six}~~five~~ for the term of ninety-nine years at the rental of One shilling per annum payable if and when the same shall be demanded.
2. THE Commission shall not be liable for any rates taxes and charges now or hereafter during the continuance of this agreement to be rated taxed assessed charged or imposed on the said land or on the owner or occupier thereof in respect thereof.
3. THE Commission shall not be liable for any loss occasioned by the Council as the result of the flooding of the said land.

AS WITNESS the hands of the parties hereto the day and year first before written.

THE SCHEDULE

FIRSTLY ALL THAT piece or parcel of land situate in the Parish of Longford County of Westmorland comprising ten acres ~~more particularly~~ ^{secondly} described in Certificate of Title Volu mel21 Folio 86.

SECONDLY ALL THAT piece or parcel of land situate in the Parish of Longford County of Westmorland in Tasmania containing One acre one rood twenty-eight perches and four-tenths of a perch comprising a roadway fifty links wide extending from the land comprised in Certificate of Title Registered Volume 121 Folio 86 to the road from Longford to Launceston via Patena as the same is shown in the survey diagram dated the Twenty-third day of November One thousand nine hundred and thirty-five prepared by Surveyor Alfred William

A. P. Richardson

Richardson

A. P. Richardson

→ 17/024
[25021]
OUR lease NO = L2.

Martin Brewer and Registered Number 9/59 and therein coloured green.

SIGNED for and on behalf of the)
)
HYDRO-ELECTRIC COMMISSION in)
)
the presence of :-)

Martin Brewer

M. Brewer

THE COMMON SEAL of the WARDEN,)
)
COUNCILLORS AND ELECTORS OF THE)
)
MUNICIPALITY OF LONGFORD has)
)
been hereunto affixed pursuant)
)
to a resolution of the Council)
)
of the said Municipality of)
)
Longford passed the *13th*)
)
day of *December* 1965 in)
)
the presence of us:-)

Martin Brewer

Members.

A. F. Richardson
Secretary

Clerk.

DATED 1965

DATED

L. T. F.

THE HYDRO-ELECTRIC COMMISSION
OF TASMANIA

and -

THE WARDEN, COUNCILLORS AND
ELECTORS OF THE MUNICIPALITY
OF LONGFORD

AGREEMENT

Hydro-Electric Commission,
16 Elizabeth Street,
HOBART.

*Deed & Deed of Release & Receipts executed
by me this 18 day of December 1936 (the
Mortgage dated 2nd Dec 1908 Page 10/14399
bearing £2.7.6 and Valence Stamp
now payable thereon having been
paid & produced to me)* A. B. Collector of Stamp Duties



Chris Indenture

is made the Twenty fifth day
of November One thousand

nine hundred and thirty six BETWEEN THE TASMANIAN PERMANENT EXECUTORS AND TRUSTEES ASSOCIATION LIMITED (hereinafter called "the Mortgagee") of the first part ALEXANDER ARCHER of Longford in Tasmania Solicitor (hereinafter called "the Owner") of the second part JAMES EDGAR HERITAGE of Launceston in Tasmania Solicitor (hereinafter called "the Seisee to Uses") of the third part and THE WARDEN COUNCILLORS AND ELECTORS OF THE MUNICIPALITY OF LONGFORD (hereinafter called "the Council") of the fourth part IS SUPPLEMENTAL to an Indenture of mortgage dated the Second and registered on the Fourth days of December One - - thousand nine hundred and one Number 10/4399 and made between George Arthur - - Bryan of the one part and the Mortgagee of the other part AND IS ALSO - - - SUPPLEMENTAL to a Conveyance of the equity of redemption in the lands comprised in the said Indenture of Mortgage and which Conveyance is dated the Nineteenth and registered on the Twenty fourth days of April One thousand nine hundred and six Number 11/3414 and made between the said George Arthur Bryan of the one part and the Owner of the other part AND WHEREAS the Council is the registered - - proprietor of an estate in fee simple in certain Ten acres of land (known as and hereinafter called "the Mill Dam Picnic Grounds") comprised in the Council's - - Certificate of Title registered Volume 121 Folio 86 to which there is appurtenant a cart carriage and driftway (hereinafter called "the old way") for the Council and all others the owners tenants and occupiers of the said Ten acres of land or any part thereof in through over along and upon the roadway shown in the plan drawn upon the said Certificate of Title and therein surrounded by green boundary lines and which roadway is over part of the land comprised in the said recited Indenture of Mortgage AND WHEREAS a new right of way has been recently surveyed and it is desired by all the parties hereto that such part of the old way as is not comprised in the said new right of way shall be closed and that the said new right of way should be substituted therefor upon the terms and subject to the covenants and conditions hereinafter contained NOW THIS INDENTURE WITNESSETH as follows:-

1. In consideration of the release and covenants on the part of the Council hereinafter expressed the Mortgagee as Mortgagee at the request and by the direction of the Owner directing as Beneficial Owner hereby grants conveys and the Owner as Beneficial Owner hereby grants conveys and confirms to the Council unto the Seisee ALL THAT piece of land situate in the Parish of Longford County of Westmoreland in Tasmania containing One acre one rood -

*Stamp duty on my presence
18 day of December 1936
A. B. Collector of Stamp Duties*

I hereby certify for the purposes of "The Stamp Duties Act" that the value of the land hereby surrendered does not exceed One hundred pounds.

Forwick

7
twenty eight perches and four tenths of a perch of land extending from the Mill
Dam Picnic Grounds to the road from Longford to Launceston via Pateena as the
land hereby assured is shown on the Survey Plan thereof prepared by Alfred
William Martin Brewer registered Number 9/59 and is also shown on the plan
endorsed hereon and therein coloured green TO HOLD the same unto the Seisee to
Uses TO THE USE that the Mortgagee shall have in fee simple as appurtenant to
the land comprised in the said recited Indenture (but subject to the right or
equity of redemption vested in the Owner) the rent charge hereinafter mentioned
AND SUBJECT to the said rent charge TO THE USE that the Council its successors
and assigns owner or owners for the time being of the Mill Dam Picnic Grounds or
any part thereof shall at all times henceforth have FULL AND FREE liberty in
common with all other persons by day or by night entitled to the like liberty of
passing and repassing with or without horses carts carriages motor cars buses and
other vehicles of whatsoever description for all purposes connected with the use
and enjoyment of the Mill Dam Picnic Grounds to pass and to repass along the said
piece of land from the Mill Dam Picnic Grounds to the said road from Longford to
Launceston AND also that subject to the performance and fulfillment of its
covenants hereinafter contained the Council shall have power ever hereafter
(except during one day at least in each year) to license and authorise such
persons as it may choose to admit to the Mill Dam Picnic Grounds with or without
their horses carts carriages motor cars buses and other vehicles to pass and
repass along the same to the Mill Dam Picnic Grounds from the said road to
Launceston and vice versa but no such license or authority shall in any way be
deemed to constitute anything in the nature of a public right of way AND ALSO
for all the before mentioned purposes and subject to the performance and
fulfillment of its covenants hereinafter contained that the Council shall for
ever hereafter have the right to construct and maintain a roadway thereon AND
SUBJECT to the aforesaid uses TO THE USE of the Mortgages in fee simple
subject to such right or equity of redemption as the Owner now has therein.

2. That the Council for itself and its successors hereby covenants with the
Mortgagee and the Owner that it and such successors will (a) once in every year
pay to the Owner for the time being of the fee simple of the land hereby assured
as and by way of a rent charge One third of the total sum received by or on
account of the Council during such year for the passage of members of the public
as aforesaid - - and the Council shall not make such charges less than twopence
for each adult one penny for each child and threepence for each vehicle (b) that
when members of the public are using such right of way on public holidays the
Council shall provide an attendant at the gate leading to the main road to duly
collect the charges for admission and to prevent stock from straying through such
gate (c) that at least once in every year the said piece of land shall be closed
to the use of the public thereover and the gate at the entrance thereto from the
said road to Launceston shall be locked and kept continuously locked for at
least a period of twenty four hours after the Council shall have first caused
notice of its intention so to do to be published in the Launceston "Examiner" or
some other local newspaper having a reasonable circulation in Northern Tasmania

1-162

(d) that it will clearly mark off and keep marked off the said piece of land but (except as hereinafter provided) shall not fence the same nor will the Council do anything to the said piece of land whereby any obstacle shall be placed in the way of stock getting to the South Esk River nor will the Council undertake any work or do anything in connection with the said piece of land which may result in damming back the waters on the other land comprised in the said recited Indenture of Mortgage but will see that it can freely escape at all times into the said - - river (e) that the fences existing on the sides of the fenced portion of the said piece of land and the existing fence extending from the bend in the said right of way and marked "A" on the said plan together with the gates at the entrance - - thereto from the said road to Launceston will be kept in good order and condition by the Council without cost to the Owner or the Mortgagee or their successors in title and will attach new barbed wire to the said fences where required from time to time as required in order to stop trespassers from getting through the same and on to the said adjoining land (f) that it will make by-laws for the proper conduct of the Mill Dam Picnic Grounds and for the passage of such persons using the same as aforesaid including a by-law prohibiting the taking of dogs by any person over the said piece of land and the taking of intoxicating liquor on the Mill Dam Picnic Grounds (g) that it will at the cost of the Vendor execute all - such further or other documents as may be reasonably required for the purpose of noting on the said Certificate of Title the release next hereinafter mentioned or for the purpose of having the Certificate of Title for the time being issued in respect of the said Ten acres of land amended or varied so as to conform to the provision of these presents.

3. In consideration of the premises the Council as Beneficial Owner hereby - - releases unto the Mortgagee SO MUCH of the existing rights of way or easements belonging to the Council over any part of the land comprised in the said recited Indenture of Mortgage and now belonging to the Council as appurtenant to the said Ten acres of land or otherwise however as is not comprised in the grant - - - hereinbefore made TO HOLD the same unto the Mortgagee in fee simple (to the intent that the same may be extinguished) subject to the same equity of - - - redemption as the Owner now has in respect of the land comprised in the said - recited Indenture of Mortgage.

4. In consideration of the premises the Mortgagee and the Owner covenant with the Council that they will at the cost and expense of the Council whenever required so to do execute all such further or other documents as may be reasonably - - - required for the purpose of having the right or easement hereby conferred on the Council registered under the provisions of the Real Property Act as appurtenant to the said Ten acres of land.

IN WITNESS whereof the Mortgagee and the Council have hereunto caused their common seals to be affixed and the Owner and the Seisee have hereunto set their

hands and seals the day and year firstly hereinbefore mentioned.

THE COMMON SEAL of THE TASMANIAN PERMANENT EXECUTORS AND TRUSTEES ASSOCIATION LIMITED was hereunto affixed by order of the Board of Directors in the presence of

M. R. [Signature]
[Signature]

DIRECTORS

SECRETARY

SIGNED SEALED AND DELIVERED by the said ALEXANDER ARCHER in the presence of

[Signature]
[Signature]

[Signature]

THE COMMON SEAL of THE WARDEN COUNCILLORS AND ELECTORS OF THE MUNICIPALITY OF LONGFORD was hereunto affixed in the presence of us this Twenty fifth day of November One thousand nine hundred and thirty six in pursuance of authority given at a meeting of the said Council held on the Eleventh day of September One thousand nine hundred and thirty six

A. D. Archer
J. G. [Signature]
C. W. Foster
Richard Terry
H. B. [Signature]
H. [Signature]
[Signature]
[Signature]

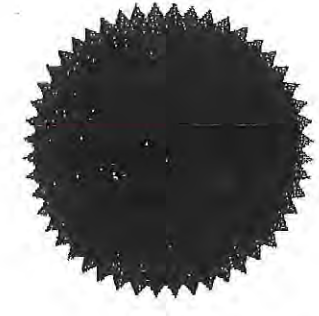
COUNCILLORS.

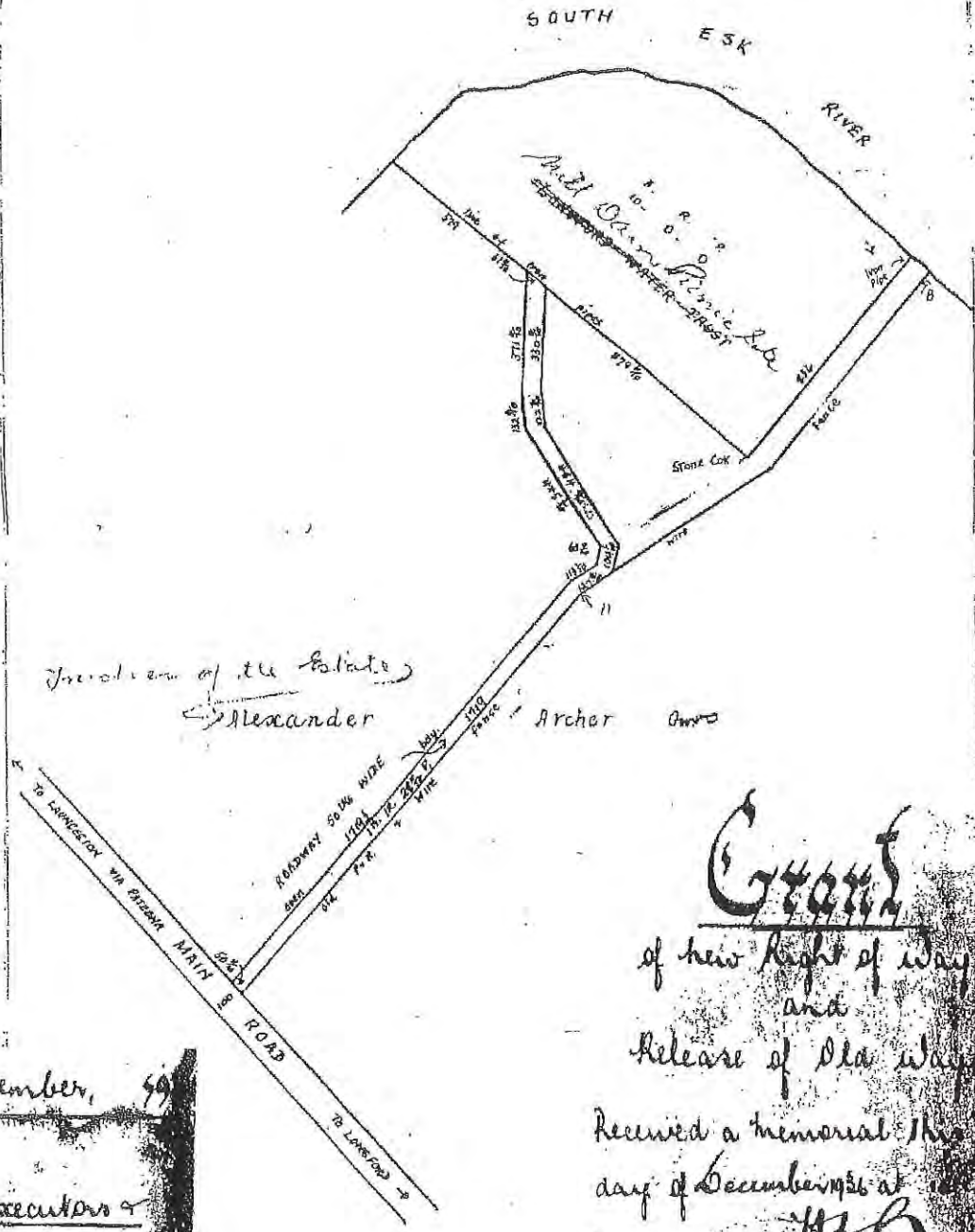
COUNCIL CLERK

SIGNED SEALED AND DELIVERED by the said JAMES EDGAR HERITAGE in the presence of

[Signature]
[Signature]

[Signature]





Dated 25th November 1999

The Last Permanent Executors & Trustees Assn. Ltd. & W. Archer Esq.

11/10/3 - 10 -

The Warden, Councillors & Electors of the Municipality of London

Grant
of new right of way
and
Release of Old Way

Received a memorial this 2nd day of December 1926 at

W B Roda
Deputy Registrar of the

Shields Heritage Backwater
Solicitors

MEMORANDUM OF AN AGREEMENT made the 15 day of One ---
 thousand nine hundred and twenty seven Between THE WARDEN COUNCILLORS AND ---
ELECTORS OF THE MUNICIPALITY OF LONGFORD (hereinafter called "the Council") of the
 first part GEORGE BARTLETT of Longford in Tasmania Farmer (hereinafter called
 "the Purchaser") of the second part and ALEXANDER ARCHER of Longford in ---
 Tasmania Solicitor (hereinafter called "the Vendor") of the third part WHEREAS
 the Council has a right of way from the Longford Road to certain land belonging
 to the Council near the Mill Dam Longford over certain lands now being purchased
 by the Purchaser from the Vendor and it has been agreed between the Council and
 the Purchaser that the rights of the Council over such right of way shall be --
 extended in manner hereinafter appearing and subject to the terms and conditions
 hereinafter contained, AND WHEREAS the Vendor has agreed to become a party to -
 these presents for the purpose of confirming and agreeing to the same NOW IT IS
HEREBY AGREED as follows namely

1. The Council shall have the right to permit any persons it deems advisable to
 pass and repass along the said right of way as at present used, at such times and
 subject to such conditions as it deems advisable and with or without carriages --
 horses motor cars motor and other bicycles and other vehicles of any kind what-
 ever as it may deem advisable. The Council shall pay One shilling per year to
 the Purchaser for the right to use the right of way in the manner aforesaid.
2. The Council will forego its right to use any portion of its right of way --
 which is not now used by it as a right of way.
3. The Council will erect or cause to be erected forthwith a fence from the --
 Southern side of the most Easterly gateway on the right of way down to the river.
 The fence shall be erected three posts to the chain with droppers between and --
 shall contain six plain and two barbed wires with three straining posts and a -
 gateway with gate complete at a point in such fence as the Purchaser shall ----
 approve. Such fence and gate shall be well and substantially built and erected
 and shall be maintained and kept in order by the Council.
4. The Council shall permit the Purchaser to have the use of the area owned by
 the Council near the Mill dam at the yearly rent of One shilling but such user -
 shall not restrict the right of the Council to allow picnickers and visitors from
 using such area as fully and completely as they now use the same nor shall the
 Council be liable or responsible for any damage or loss caused to the Purchaser
 by such picnickers or visitors no matter how such loss is caused.
5. The Council will cause notices to be posted on the right of way notifying
 those who use it that it is a right of way and not a public roadway and also --
 to the effect that dogs will not be allowed on the said right of way or on the
 land belonging to the Council and the Council will cause the gate separating the
 main road from the right of way to be closed and locked at least twenty-four -
 hours in every year and will cause a notice to that effect to be inserted in -

local papers immediately preceding the closing and locking of such gate. The Council will also cause a notice to be erected near the gate leading into Paulden's Lane notifying the public that such lane is no thorough-fare and directing its attention to the entrance by the said right of way.

6. The Council will engage and employ a gatekeeper at one of the gates on the said right of way at all times when it is reasonably to be expected that the public will largely use such right of way. The Council will cause a charge to be made for persons and vehicles using such right of way of not less than ^{ONE} ~~three~~ pence for foot passengers ^{THREE PENCE} ~~one penny~~ for motor cars and ~~one penny~~ for other vehicles. The Council will pay to the Purchaser one half the net profits from these charges after deducting the costs of the gatekeeper. Provided that whenever an entertainment or function takes place for the improvement of the Council's said ground and the erections thereon near the dam the Purchaser shall receive only half the said charge to be made by the Council as lastly hereinbefore provided less gatekeeper's costs and no part of any additional charge made by the Council.

7. The Purchaser shall permit cars to be parked in the area adjoining the Council's land where the same were parked in One thousand nine hundred and twenty six and the Council will see that such cars are parked as closely as is reasonably possible to avoid the use of more land than is reasonably required. Provided if there shall be a breach of this clause on the part of the Council it shall be lawful for the Purchaser to withdraw the permission to park cars hereby granted herein notwithstanding such withdrawal of permission this agreement shall in all other respects remain and continue in full force and virtue.

8. It is intended that this agreement shall be a final agreement between the parties and binding on those legally claiming under them respectively and that the expression "the Council" shall include the succession in office of the Council and "the Purchaser and "the Vendor" shall include as well as the said George Bartlett and Alexander Archer their respective executors administrators and assigns.

AS WITNESS the Council has caused its Common Seal to be hereunto affixed and the other parties hereto have hereunto set their hands the day and year firstly hereinbefore written.

THE COMMON SEAL of the Warden Councillors and Electors of the Municipality of Longford has been hereunto affixed in the presence of us this ^{thirteenth} ~~thirteenth~~ day of July One thousand nine hundred and twenty ^{eight} ~~seven~~ in pursuance of authorisation given at a meeting of the said Council held on the 13th day of July One thousand nine hundred and twenty ~~seven~~ ^{eight}



J. C. Archer
Geo. Cairns
G. J. ...
Members

J. R. Davis
Council Clerk.

Ed. ...
J.C.A. ...

Ed. ...
J.C.A.

Ed. ...
J.C.A.

SIGNED by the said GEORGE BARTLETT
in the presence of

J.R. Davis

George Bartlett

SIGNED by the said ALEXANDER ARCHER
in the presence of

J.R. Davis

A. Archer

DATED _____ 1927.

LONGFORD COUNCIL

and

MESSRS. GEO. BARTLETT & A. ARCHER.

— AGREEMENT —

LAW AND WESTON AND ARCHER,

Solicitors,

LAUNGESTON.

MILL DAM MEETING NOTES: 29/02/2012.

Present: Monique Case, Hugh Mackinnon, from 5.30pm Ray Bean.

- North bank adjacent to change rooms has received 750 cubic metres of fill over the previous two weeks. Area has been raised by approximately 6 inches. The operation was overseen by Mr Ray Bean who followed up with rolling, harrowing/seeding of the new pad with fescue and rye grass; which was kindly donated by Council. Mr Bean has subsequently watered grass and treated the pad verge with herbicide in preparation for planting out with natives.
 - ***What does the Committee wish to do with new area?***
 - Demountable BBQ area?
- Aurora pole fencing is being extended west along the roadside on the Northern bank.
- Group need to investigate funding opportunities for the installation of more bins.
- Group need to continue with woody weed maintenance on site – particularly Weeds of National Significance as required via Community Action Grant.
- Group Chair to follow up with outstanding Thank you letters to donors/community members.
- Plant ordering and purchasing for Autumn/Winter planting required ASAP.

Meeting Closed: 6pm

Next Meeting : March – TBA.

RECOMMENDATIONS TO COUNCIL

- Existing speed bumps require reinforcement.
- Lawn mowing is requested to discontinue up stream of southern boom gate whilst grass is still establishing.

Minutes of the meeting of the Mill Dam Action Group held at the Council Chambers Smith St Longford Wednesday 5th May 2012 commencing at 5pm.

1. Attendance/Welcome:

Hugh Mackinnon (Chairperson), Linus Grant (Deputy Chair), Duncan Payton *from 5pm* (NMC Planning and Development Manager), Cr Richard Goss, Monique Case (NMC Officer). Barbara and Max Baker

2. Apologies: Marie Chugg,

3. Confirmation of Minutes: December 2011/February 2012

RESOLVED that Minutes of December 2011 and February be accepted.

Moved: Deputy

2nd: Barbara and Max Baker

4. Chair's Report:

4.1 Group review WRT: Dec/Feb minutes

4.2 Demountable BBQ

Initial cost estimates for a coin operated demountable public bbq are \$3000.00/4000.00.

4.3 Upcoming activities

4.3.1 Mr Ray Bean has sourced more grass seed and is organising contractors for another run at direct seeding at southern end of walking track between southern boom gate and rail bridge.

4.3.2 The group has been the recipient of a generous donation in the form of a number (30?) of blackwood trees. Secured by Mr Ray Bean.

It was RESOLVED that the Action Group liaise with Councillor Goss to seek planting support from Cressy State School P-10. A formal request is to be drafted to Annette Hollingsworth Cressy Principal with tentative dates currently for 22nd or 29th June.

It was RESOLVED that the Action group would seek Mr Ray Bean's assistance in the preparation of the planting sites for the aforementioned planting working bee.

4.4 Balance Sheet

It was RESOLVED that the Chair, Deputy, NMC Accountant & NMC NRM Officer to develop a reporting time table for current funding agreements.

5 Deputy's Update:

5.1 Rotary: Rotary has indicated it's in principle support for the Mill Dam's Action Group's plan for the reserve. Deputy has raised the subject of demountable bbq with Rotary

5.2 Flood debris: Representative (name?) from Crown Lands met with Deputy on (date?) the flood debris impacts were discussed with Department support received for the removal of debris on northern bank (HEC) and downstream deposition to?

It was **RESOLVED** that the information be noted.

6 Closure: 6pm.

7 Next Meeting:

June 6th 5pm Council Chambers Smith St Longford.

DRAFT

Mill Dam Special Committee of Council

Ordinary meeting held at 5.00pm at the Mill Dam Reserve Longford Wednesday 6th of March 2013

.1. Welcome:

Committee Chair opened meeting at 5pm welcoming all members and representatives and noted apologies.

.2. Attendance:

Marie Chugg: Committee member

Max Baker: Committee member

Monique Case: NRM Facilitator

Duncan Payton: Planning and Development Manager

Linus Grant: Deputy Chair

Hugh Mackinnon: Chair

.3. Apologies:

Barb Baker, Dee Potter, Theo Haege

.4. Confirmation of Minutes

Linus Grant/Richard Goss

That the Minutes of the meeting of 09/05/2012 be accepted as an accurate record.

Carried unanimously.

.5. Matters Arising:

5.1. Correspondence:

Thank you letters have been sent to contributors of support to Mill Dam activities including Cressy District, & Pivot among others. Letter of invitation for participation was sent to Cressy District High and Council has received Minutes.

5.2. Activities

- 5.2.1. Cressy District participated in two working bees at the site in 2012, as did local youth with the support of NMC Youth Development Officer, the efforts of which received attention in the local media (Country Courier) and newsletters (NRM North, Understorey Network).

*It was **RESOLVED** that Richard Goss and Monique Case would work together to coordinate further planting bees with Cressy District students in 2013.*

- 5.2.2. Membership drive flyers have been put on display at Council office, Longford Library, Men's Shed and on site along walking track.

*It was noted that Theo Haege had expressed interest in Committee Membership. It was **RESOLVED** that Theo be welcomed as a new member.*

06/03/2013

- 5.2.3 Mr Ray Bean with Council endorsement has generously taken on responsibility for opening and closing times of Tannery Rd boom gate during summer. It was agreed that limiting of nocturnal vehicle access has had a beneficial impact by limiting inappropriate activities in the area. Mr Bean continues to give munificently of his time and energy for the benefit of the reserve and community.

*It was **RESOLVED** that Mr Ray Bean be reappointed as a committee member.*

5.3 Grant Activities

The status of Commonwealth Community Action Grant with a number of important items being discussed including:

- Deadlines for Grant monies are looming : all expenditure must be acquitted by 30th June 2013 with all associated on-ground activities and reporting to be finalised by October 2013.
- Rip Rap work implementation remains a high priority. Sites have been identified, at an onsite meeting with Committee Chair, Planning, NRM Facilitator, Planning & Development Manager and Greg Jordan of Woodland Management where works plans were discussed and quoted from Greg Jordan of Woodland Management.

There is a small allocation of funding available for these works via the commonwealth grant, whilst the remainder will be sought from existing Council Budget allocations.

There was concern among the group that whilst riverbank erosion is paramount, an expansion of rip rap to whole of river section was not viable from a Ratepayer perspective.

It was **RESOLVED** that:

- a. The rip rap works sites identified along western bank adjacent to weir be carried out as discussed and outlined in Woodland Management quote.*
 - b. Chairman Hugh Mackinnon draft letter to arrange meeting to investigate erosion and responsibility thereof with identified stakeholders including: MAST, NMC, NRM North, Tamar Estuary and Esk River (TEER), Hydro, JBS Swift, DIER, and any others as appropriate.*
- Revegetation efforts whilst commendable have struggled with the inherent difficulties of the site, with the several hundred stems in the ground to date having a success rate of approximately 10-20% . Budget allocations and implementation options were discussed including: the purchasing of fewer but more mature stems and the possibility of deadline extension.

It was noted that any actions associated with expenditure of Grant monies would need to remain focussed on original project descriptions. It was also noted that the rip rap works would require revegetation installation to insure rock works and enhance long term bank stability.

*It was **RESOLVED** that Monique Case with a working group from committee (Hugh and Linus) and collaborating with Council; review on-ground activities as outlined in current funding agreements and continue to plan and work together for the successful implementation of such.*

5.4 Other Matters

5.4.1 BBQ's options for Mill Dam are still under consideration for further investigation. The ready availability of butane cookers was discussed vs the maintenance and cost issues of a portable.

5.4.2 The removal of flood damaged fencing whilst necessary has enabled sheep full access to the reserve once more, which has in turn highlighted the need for awareness-raising in regards to effective dog control.

It was **RESOLVED** that the Mill Dam Committee would appeal to the Mayor to include dog responsibility considerations around stock as her editorial focus in the Northern Midlands News.

5.4.3 Infrastructure at the reserve was discussed with proposals for future investment including:

- Automatic boom gates to be investigated to replace current boom gate on Tannery Rd. There are examples of automatic boom gates in Meander Valley Council.

06/03/2013

- Feasibility of removable play and or exercise equipment to be further explored.
- Road signage upgrade.
- The public toilets remain in need of improvement.
- More picnic tables, 3 or 4 new tables proposed and ongoing maintenance of existing tables over the next 3 years.

It was noted that any new infrastructure investigations at the reserve would require full engagement with Works and Infrastructure to remain feasible.

It was **RESOLVED** that Monique Case collaborate with Works and Infrastructure on options and costings for aforementioned proposals.

5.4.4 Opening Times and Campers

It was noted that campers were not the problem as they were, there has been no complaints noted to date regarding opening and closing times and that responsible use of the reserve has been encouraging. It was noted that over half a dozen over vehicles were at the site during the meeting.

It was **RESOLVED** that the extension of opening times to 9pm during summer be discussed with Ray Bean.

5.4.5 Bike and Trail ways connectivity

It was noted that the track works and associated infrastructure at the Boat Ramp on Union St at the Sthn entrance to Mill Dam was almost completed the possibility of connecting more cohesively with Sthn entranced was raised for consideration.

It was **RESOLVED** that the Mill Dam Committee via Hugh Mackinnon engage with Longford District Committee on the matter.

Meeting Close :6pm

Next Meeting: TBA

Notes of: Mill Dam Special Committee of Council Ordinary meeting

held at 4.pm at the Council Chambers Smith St Longford

.1. Welcome:

As a quorum was not attained it was agreed that discussion would follow the agenda and would be noted for confirmation at a rescheduled meeting.

.2. Attendance:

Linus Grant: Deputy Chair

Marie Chugg: Committee member - present from 4.20

Hugh Mackinnon: Chair - present from 4.35pm

Richard Goss – Council Representative – present from 4.45pm

Monique Case: NRM Facilitator

Duncan Payton: Planning and Development Manager

.3. Apologies:

Max and Barbara Baker, Theo Haege.

.4. Confirmation of Minutes

With no quorum confirmation of minutes of 06/03/2013 will be left until next meeting.

5. Chair's Report.

Mr Hugh Mackinnon, Committee Chair, reported:

5.1 Activities

Ray Bean's proactive participation in site management at Mill Dam Reserve was noted. Mr Mackinnon suggested that it was timely to officially thank Mr Bean for his efforts with a letter from the Mayor and the Committee. Mr Mackinnon to draft an appropriate letter. NRM Facilitator, Ms Case, to confirm that Mr Bean has been reimbursed for expenses incurred in the exercise of his duties at the Mill Dam.

5.2 Grant Activities

CfoC unspent funding

There remains one outstanding budgetary item requiring attention. Namely, the Community Action Grant (CAG) - Community Engagement & Materials component of the CAG which remains unspent requires urgent attention so close to expenditure deadline. – the group discussed a number of ways of credibly expending funds and favoured the suggestion from Mr Mackinnon that the committee provide an NRM based science prize for the Cressy school.

It was noted that any suggestion would require the confirmation by corporate services that it was within the terms of the grant and actioning ASAP.

The Community Action Grant (CAG) expenditure was confirmed and is currently being finalised for corporate review in readiness for August 31st final reporting due date.

Rock wall on river bank

Community Action grant supported stream bank stabilisation works were completed on the 9th of May with follow up grass seeding being undertaken by Mr Ray Bean with Council support.

5.3 Infrastructure:

Access Rd

Trees

Ongoing planting and maintenance.

Tables

The ongoing replacement and maintenance of picnic furniture was discussed with the offer from Bob Thompson of the Longford Men's Shed of being able to help make the tables if the materials are provided. Mr Linus Grant and Mr Hugh Mackinnon to follow up.

Latrines

The toilet facilities were discussed with the opinion being expressed that the toilets were functional and would benefit from the pits being more frequently serviced in the open season.

5.4 Next Steps

Stakeholders meeting

Mr Hugh Mackinnon and Monique Case are finalising the details of the letter for the proposed Stakeholder meeting; Mr Mackinnon to provide final draft.

Floods and sheep

Mr Hugh Mackinnon, Mr Duncan Payton and Ms Monique Case will be attending a meeting with JBS Swift Site Manager Mr David Muir regarding fencing proposal for Mill Dam Reserve - Tuesday 02 July..

River bank erosion and stabilisation

6 Round Table

7 Correspondence:

No correspondence in

Correspondence requiring attention: Stakeholders meeting, invitation to attend, and thank you letter for Mr Ray Bean, letter to Cressy District School for offer of Annual Environment Award.

Meeting Close : 5:15pm

Next Meeting: TBA



MINUTES: *Mill Dam Action Group* Special Committee of Council. Annual General Meeting at Longford Council Chambers. Commencing at 5.30 pm– 23/05/2016

1. Present
Barb and Max Baker, Theo Haege, Linus Grant, Maree Chugg
Richard Goss joined the group 5.35 pm.
2. In Attendance
Duncan Payton, Monique Case, Cr Richard Goss
3. Welcome
Deputy Chair welcomed members to the AGM
4. Apologies
Vernon Priwari – JBS Swift Plant Manager
5. Annual report from Chairperson of the Mill Dam Action Committee
Due to the recent resignation of the Chairperson Mr. Hugh Mackinnon there was no Annual Report from the Chair.
6. Confirmation of Minutes
No AGM held in 2014.
7. Correspondence
Hugh Mackinnon the Chair of the Group since 2009 has sent the group correspondence to advise of his resignation after 6 years of leading the group.

The group agreed to draft a letter of recognition and thanks to Hugh Mackinnon to be signed by the incoming Chair Mr. Linus Grant.
8. Membership of The Mill Dam Group

The below members were appointed for a term of 2 years to May 2018:

Maree Chugg
Linus Grant
Max Baker
Barbara Baker
Theo Haege



9. Election of Office Bearers

9.1 Appointment of Acting Chairperson

The Committee RESOLVED to appoint Duncan Payton as Acting Chairperson for the purpose of electing office bearers.

9.2 *Appointment of Chairperson*

Mr. Max Baker/ Ms. Maree Chugg

That Mr. Linus Grant be appointed as Chairperson for the balance of the term to May 2018.

No other nominations received.

Carried unanimously

9.3 *Appointment of Deputy Chairperson*

Ms. Maree Chugg/ Mr. Theo Haege

That Mr. Max Baker be appointed as Chairperson for the balance of the term to May 2018.

No other nominations received.

Carried unanimously

10. Review of Memorandum of Understanding

The Forum discussed the Memorandum of Understanding and suggested the following changes:

4. Membership

The group agreed in the event of not getting any interest from Membership drive. The group to seek further advice from Council to either

- a: drop the membership floor to 5 or;
- b: enable Council representatives to facilitate quorum – with or without voting rights.

It was agreed that the group would continue efforts to increase membership of the group as per discussions at the meeting of the 09/05/2016.



9 OTHER BUSINESS

9.1 Day and time of meetings

MOU indicates – bi-monthly meetings.

It was agreed to set quarterly meeting schedules starting from September 2016 with meetings to commence at 5.30pm.

Monday 26th September 2016 (on site)

Monday 5th December 2016

Monday 27th February 2017

Monday 22nd May 2017 (ordinary + AGM)

10 CLOSURE : 6.10 pm.

Mill Dam Special Committee of Council

Ordinary meeting held 25/05/2015, 4.00 pm at Council Chambers Longford

.1. Welcome:

Committee Chair opened meeting at 5pm welcoming all members and representatives and noted apologies.

.2. Attendance:

Hugh Mackinnon: Chair, Linus Grant: Deputy Chair, Theo Haega, Richard Goss Councillor Representative, Marie Chugg: Committee member, Max Baker: Committee member, Des Jennings: NMC G.M, Monique Case: NMC NRM Facilitator, Duncan Payton: NMC Planning and Development Manager,

.3. Apologies:

Barb Baker, Dee Potter,

.4. Confirmation of Minutes

It was Resolved that the Notes of the meeting of 06/03/2013 be accepted as Minutes and a true and accurate record of proceedings.

Moved: Mr Linus Grant 2nded: Mrs Marie Chugg

Carried

.5. Matters Arising from previous Minutes 06/03/2013:

5.1 Acknowledgment' s and Commendations

The Chair and other members of the Group made a special note of and gave thanks to Ray Bean's efforts and attention to the management of traffic and gate services which manages the "hoon" element and overnight camping issues.

Other members commended Council's on-going collaborative commitment, rehabilitative efforts at the Reserve and improved tidiness.

5.2 Reserve Amenities

It was noted that long drop latrine management is an on-going concern.

5.3 Reserve Opening Hours

Opening hours – gate opening and closing times was raised. It was reaffirmed that the winter flood closing period was still suitable given that access for walkers is still permissible via the Union Street walking track connection. Gate opening and closing times is somewhat at the discretion of the designated officer with liaison with Works and Infrastructure department – it was discussed that gate opening and closing was dealt with on a sliding scale in association with daylight savings.



5.4

Tannery Rd Boom Gate Management

Gate management for the 2015/16 season was discussed with Mr Ray Bean confirming that he is happy to continue opening and closing the gate during the open season for another year. Mr Bean advised the group that Council currently reimburses him \$1.00 a trip to cover fuel expenses associated with the job.

5.5 Automatic Boom Gate

Previous discussion of Council investigating the viability of an automatic boom gate such as at the Meander Dam was raised. The matter was discussed with the group advised that preliminary investigations held revealed more issues arising than answered; with issues including: getting power to the gate, inundation and cost of implementation currently outweighing the cost benefit discussion.

5.6 Mill Dam Major Stakeholders

Members were updated as to the status of the Mill Dam Major Stakeholders group's activities with the sharing of the JMG Mill Dam Assessment Report. Committee Chair and NRM Facilitator summarised report findings to members. Summary included:

- Importance of the weir for stream bed and river section stability
- Union St data collection infrastructure – bank erosion
- Existing revegetation efforts – guidance to future revegetation sites/application
- Existing rip rap – stability future maintenance requirements
- Strategic willow removal – eastern bank
- Weed management recommendations

Members were encouraged to review the report and submit any suggested amendments queries etc, as soon as possible. Members were advised that Council were investigating a Major Stakeholder sub-group application seeking funding support for the recommended bank rock armouring along a section of the western riverbank between the bridges.

Report recommendations were discussed with a restricted scope of the Hydro/NMC lease land only; which include:

- Hard engineering works of Rip Rap works at Hot Spot 3
- Weir integrity maintenance
- Revegetation
- Discussion of previous efforts – rip rap and revegetation

It was *Resolved* that the Mill Dam Action Group (SCC) working group of: NRM Facilitator, Linus Grant and Theo Haege submit a River Bank Erosion Application, sponsored by Northern Midlands Council to the Tamar Estuary and Esk Rivers group by the 15th of June 2015. The application will be seeking funding support for works (carried out with Best Practice methodology) as outlined in JMG report recommendations of Rip Rap for Hot Spot three.

Moved: Mr Ray Bean

2nded: Mr Linus Grant

Carried



6.0 Any other matters:

6.1 Green Army at Mill Dam

NRM Facilitator advised the group of the availability of a Green Army Team to conduct works to promote and enhance previous efforts of weed management and revegetation works. It was noted that General Manager Mr Des Jennings expressed support for the proposal.

It was Resolved that the Mill Dam Action Group (SCC) accept the offer of Green Army at the Mill Dam reserve lease land to work on the control of gorse, hawthorn, blackberry, add to and maintain existing revegetation efforts. These works are to be conducted with consultation with an agreed Mill Dam Action Group representative/s prior to commencement.

Moved: Mr Linus Grant 2nded: Mr Theo Haege

Carried

6.2 TAS TAFE at Mill Dam

NRM Facilitator advised members that 2 independent branches of TAS TAFE have expressed interest in contributing to previous revegetation efforts at Mill Dam. Horticulture Certificate II and III have worked with Northern Midlands land holders with revegetation efforts for the last couple of years and NMC has hosted work experience students also. This year the Horticulture class expressed interest in working at Mill Dam with the Certificate II and III classes currently scheduled to visit the site (including walking track works – JBS Authorised Works agreement in place) on the afternoon of July 01st; whilst the Migrant Education branch date is yet to be finalised.

It was **Resolved** that the Mill Dam Action group support TAS TAFE participation at Mill Dam to support on-going efforts.

6.3 Infrastructure at Mill Dam

The possibility of play equipment was raised, as was further picnic table infrastructure.

It was Resolved that a recommendation be made to Council to consider the installation of 3 more picnic tables at the Mill Dam reserve.

Moved: Mr Ray Bean 2nded:

Carried

6.4 Communication

Members requested to be kept abreast of works proposed for Mill Dam and of any new matters as they arise.

Meeting Close : 5pm

Next Meeting: September - TBA

Mill Dam Special Committee of Council

Notes: Ordinary meeting held 09/05/2016, 5.30 pm at Council Chambers Longford

.1. Welcome:

Linus Grant Deputy Chair in the absence of Chair Hugh Mackinnon- welcoming all members and representatives and noted apologies.

.2. Attendance:

Linus Grant: Deputy Chair, Max Baker, Marie Chugg, Richard Goss Councillor Representative Monique Case: NMC NRM Facilitator, Duncan Payton: NMC Planning and Development Manager.
Theo Haege (arrived 5.50pm. Departed 6.35pm.)

.3. Apologies:

Hugh Mackinnon, Barb Baker, Dee Potter

.4. Confirmation of Minutes

It was Noted that the Ordinary Minutes of the meeting of 25/05/2015 be accepted as Minutes and a true and accurate record of proceedings.

It was noted that there was no quorum as such a formal meeting of the committee was unable to take place. The following is the notes of the discussion that took place.

.5. Matters Arising from previous Minutes 25/05/2015

5.1 Boom Gate

Seasonal closure of Mill Dam

It was noted that there was a Public Notice in last Friday's Examiner (6th of May) to indicate that the Mill Dam Boom gate would be closed for winter.

Action: Follow up regarding with Works Dpt with regard to Winter closure clarification.

5.3 Infrastructure at Mill Dam

Actions: Follow up with Council - Recommendations to Council with regard to further two picnic tables as discussed in Minutes of 25/05/2015.

6.0 Any other matters:

6.1 Riverbank Erosion Grant Update:

NRM Facilitator Monique Case updated the group regarding execution of TEER Riverbank Erosion Grants Hot Spot 1 and 3.

6.1.1 TEER River Bank Erosion Grants Rnd 2 2016/17

Currently open TEER Rnd 2 Riverbank Erosion Grants were discussed. It was *Agreed* that no application be submitted to the current TEER River Bank Erosion grants 2016. With efforts to be focussed on consolidating current river bank erosion /native revegetation efforts. The group further discussed previous efforts at the site, with review of works to be undertaken

Action: - Monitoring and evaluation to assist with decision making regarding future works.
- Photo-graphic monitoring on a seasonal basis

Recommendation to Council: *The group recommends that Council investigate potential to apply to NRM North or other agencies for "advanced" native tree stock that could complement existing "demonstration" riverbank stabilisation efforts.*

6.2 Ray Bean Memorial dedication

Mr Ray Bean's memorial dedication service was discussed.

Action: Follow up with Council – Richard to follow up by speaking to Info Items in May 16th Council Agenda – Seeking suitable dates for dedication with Bean family and Council representatives – Richard Goss as Deputy Mayor or Committee Chair. A Friday afternoon was suggested 4.00pm.
Lead contact – Max Baker to liaise with Bean family.

Action: Invite: Swift , Kopplers Logs, Ross – hydro truck driver, Mick Boyd - FMT

6.3 Committee Review

Duncan spoke to the Group regarding Council Committee MOU obligations, particularly in regard to Committee meetings and stressed that if the group wished to continue as a Committee of Council it would be necessary to set an annual schedule of meetings.

The Committee expressed a desire to continue as a Committee of Council and agreed to set such a schedule at the forth coming AGM.

**Action:**

- AGM proposed dates – 23/05/2016 (preferred date) or 30/05/2016 or 01/06/2016 (subject to Council Workshop) - Time 5.30 pm
- Council P&DM and the NRM Facilitator to organise AGM
- Public Notices: AGM and Call for new Members.
- Speak to Kylie Berwick regarding getting a small item *Country Courier*
- Regional News Examiner (Tuesdays – A.M)
- Re-instate members wanted signage on site.

Meeting Close: 6.40 pm.

Next Meeting: AGM proposed dates – 23/05/2016 (preferred date) or 30/05/2016 or 01/06/2016 (subject to Council Workshop)

-



River Bank Erosion Sth Esk: Longford Meeting Minutes.

Mill Dam Reserve Stakeholder Meeting: Wednesday 18th September 2013,
commencing 11am at Council Chambers Longford.

In Attendance:

Paul Wightman – Operations Manager JBS Swift

David Downie – Northern Midlands Council (NMC) Deputy Mayor

Hugh Mackinnon – Mill Dam Action Group Chair

Michael Bidwell – Land Manager HYDRO TAS

David Sondergeld – Civil Engineer – DIER

Duncan Payton – NMC Development and Planning Manager

Amanda Locatelli – Tamar Estuary and Esk River - Coordinator

Monique Case – NMC Natural Resource Management Facilitator

Welcome: Hugh Mackinnon welcomed attendees.

Round Table: Participants were invited to introduce themselves to the group and their relative role in relation to Mill Dam Reserve on the Sth Esk at Longford and the wider catchment.

Mayors Message: Read by Hugh Mackinnon

The South Esk and Macquarie River systems flow the length and breadth of the Northern Midlands municipal area. Longford, like most of our towns, has been socially integrated with these rivers from the time of settlement and this association continues to be interrelated with our health and amenity values.

Rivercare and Landcare type activities are very important to residents, both within and adjacent to the Municipality. The results of these activities are felt by all downstream residents.

The effects of climate change and changing land use and the impact of Public Utilities have exacerbated a number of problems within the riparian zone of the river systems and this is particularly notable at the Mill Dam.



Council views these impacts as a matter of regional concern and responsibility, beyond the capacity of any single council to adequately address on their own.

The most important of these impacts are stream bank erosion, siltation and the degradation of water quality. All of these have clear consequences for the downstream health of the river system. They are not only of Municipal importance, but are also of undoubted regional significance as evidenced by the ongoing State of the Tamar Reports.

Thus I look forward to your regional input, financial support and acceptance of the shared responsibility for the control and remediation of the South Esk river system for the benefit of us all.

Apologies: Private Forestry Tasmania, Launceston City Council,

It was noted by members of the group that the stakeholder scope could be expanded to include others including:

Inland fisheries, Myles Hampton of TAS Water, Greening Australia in the stead of Private Forestry Tas as GA successfully tendered for the farm forestry operation and equipment, Councillors from MVC, BOD and LCC

Aim of Meeting:

Mill Dam Chair Hugh MacKinnon briefed the group on:

• **Anthropological site history:**

- Mill Dam Weir 1840's-1850's with 3 mills in service over this time with associated river engineering works (weir and race)
- Infrastructure crossing the river have impacted on flow and channel infrastructure historical and current include:
 - Viaduct
 - "Kings Bridge" and current DIER bridge
 - Western Line (railway) "Black Bridge" C1880.

Mr Mackinnon shared with the group a numbers of illustration's of the area in the way of: Simpkinson De Wesselow water colour from 1846, and an Army map for further context and prompt for discussions. In more recent history the Mill Dam Reserve has been subject of a number of projects:



- Bicentennial Project of 1988 saw the installation of the walking track connecting Mill Dam to the Union Street boat ramp with the facilitation of land access via Abattoir. Other project outcomes included, seating, traffic control (culvert), landscaping (willow lane way), toilet and change facilities (?) and the Weir sculpture
- Milestones of the Envirofund 2009 project included: revegetation works, weeds of national significance removal such as Gorse and 1km of streamside willow treatment and stock fencing to exclude stock from sensitive area such as ox bow lakes, streamside and to keep stock of the Mill Dam access road. The efforts of this project were seriously impaired with the 2010/2011 flooding.
- In January 2010 the Mill Dam Action Group Special Committee of Council held their first meeting. The group has been managing a Community Action Grant from the Commonwealth Government to support ongoing revegetation.
- In June 2011 Mill Dam Action group developed Mill Dam Plan. (previously sent to participants).

- **Flood factors**

In 2010/2011 the high volume flooding that was observed at Mill Dam incurred heavy losses to flood plain scouring other factors identified that contribute to hydrological impact on site.

- Poatina
- Weir lowered
- Longford Flood Levy – finished 2009.
- Climate change

Other factors identified by the group include:

- Irrigation
- Riparian vegetation clearance.

12.15pm Site walk and talk at Mill Dam and then remove to Council Chambers for light lunch.

Group Discussions and Next Steps:

The Group identified a number of matters to improve efforts at Mill Dam in discussions throughout the meeting

- The need for the broadening of the scope of the Mill Dam discussions further up stream and down in addition to parties identified in apologies "Newry" was added as well as the need for desk top analysis to identify any other gaps.



- The need for appropriate geo-morphological/hydrological information, the group recognised existing information avenues and agreed to collate all available relevant information to inform future information requirements and works.
- The Tamar and Estuary and Esk Rivers (TEER) programme was introduced to the group....AL...
- Cost benefit analysis was desirous.
- Confirmation of parcel status – current LIST parcel status information requires confirmation with Land Titles Department.

1.30-2pm Lunch concurrent with stakeholder discussions

2pm **In conclusion**

Mr Hugh Mackinnon thanked participants for their time and consideration and consolidated meeting action outcomes with the group (as per Group Discussions and Next Steps).

River Bank Erosion Sth Esk Longford: Meeting Minutes.

Mill Dam Reserve Stakeholder Meeting: Tuesday 01st of April, commencing 11am at Union St Boat Ramp Longford.

In Attendance:

Adam Smith – Parks and Wildlife Services

Phil Thompson – Crown Land Services

Tony Brown –JBS Swift

Alex Barber – Tas Rail

Andrew Hargrave – DIER

Amanda Locatelli – NRM North Tamar Estuary and Esk River - Coordinator

Guy Barnett – Secretary to Cabinet joined meeting at 11.50am. (to be kept informed on project progress).

Maree Bricknell – Northern Midlands Council (NMC) Acting General Manager

David Downie – NMC Deputy Mayor

Hugh Mackinnon – Mill Dam Action Group Chair

Duncan Payton – NMC Development and Planning Manager

Monique Case – NMC Natural Resource Management Facilitator

Apologies:

Rob Soward – LCC

Ian Goninon – Northern Midlands Council Councillor

Michael Bidwell – Hydro Tas

Meeting commenced at Union St, Longford with a visual inspection of riverbanks from Union St to DIER bridge incorporating rail bridge and walking track.

Meeting moved onto Council Chambers to work through remaining agenda items.

Agree there is a problem:

Chair: noted previous vegetation attempts have been unsuccessful to date

Crown Lands: agreed there are issues

Tas Rail: do not have a problem with the bridge but happy to support committee with erosion problems.

Parks: accept there is a problem.

NRM North (TEER): agreed there are erosive issues on site and would like to see expert opinion regarding site issues (geomorphology and hydraulic)

NMC P&D: Mill Dam Action Committee still have outstanding Commonwealth funding agreement actions to complete in the form of native revegetation actions.

Clr Downie: outlined 2 problems with water erosion

1. High impact natural events (such as 2011 flooding)
2. Man's influence on flows – Reregulation ponds on Brumby's creek not effectively stopping fluctuations in water temperatures and water levels. Hydro water is important but need to be aware of issues.

Review of collated data:

Chair circulated available data which included: modelled Sth Esk flows from levee bank designs of flows with and without levee bank and rail bridge entrance closure flows, letter to landholder regarding upstream impacts on bridge entrance closures and excerpt from *Rivercare Plan and Stage 1 Workplan for Lower Macquarie and South Esk Rivers 2002*

Chair identified again the need for further information from stakeholders and invited stakeholders to share any relevant historical data on river hydrology and geomorphology to support further studies.

Draft consultants briefing report was circulated for discussion.

Review need for qualified assessment of site

TEER: From a strategic view point of the Mill Dam does not come within the ambit of the TEER Water Quality Improvement Plan. As a perceived sediment "hot spot" it does come within NRM field from a water quality perspective.

NRM Nth would consider co-contributing with other major stakeholders towards the development of site assessment and stabilisation options report – as this report has potential benefits for up and downstream of Mill Dam.

General agreement that report should stay focussed on Mill Dam areas – from Rail bridge to Weir with there being potential benefit to other areas.

It was agreed to set up a subcommittee to maintain transparency in the spending of public monies, to develop consultants brief to seek technical assessment and further action advice for the Mill dam covering the river section from the rail bridge to the weir.

Nominated sub-committee members include:

- Hydro Tas (Michael Bidwell)
(Hydro involvement is needed and Council is to seek their input into the project).
- NRM North TEER (Amanda Locatelli)
- NMC Councillor delegate (David Downie)
- DIER (Andrew Hargrave)
- Mill Dam Action Committee Chair (Hugh Mackinnon)

All other major stakeholders will remain in consultation with the subcommittee throughout the process of tender development, consultant engagement and results of consultants work.

A timeframe of 4 weeks was proposed to report back to stakeholders on consultants brief development. Out of session discussions would be required to assist in meeting this deadline.

Suggested possible consultants include:

- Pitt and Sherry
- SEMF
- GHD
- Alluvium Consulting (Director Ross Hardy)
- AK consulting

Subcommittee to select consultant, with initial assessment of report costs in vicinity of \$5,000.00 - \$10,000.00.

Willows & introduced plants

Photos circulated of willows holding river banks and river bank damage post removal. River is modified and flexibility in revegetation approach is required in riparian rehabilitation works.

Willows are a declared weed of national significance; however, not all Willow species are declared weeds.

Hugh Mackinnon (Chair) thanked all stakeholders for their time and attendance.

Meeting Closed: 12.15 with light luncheon .

Actions Arising

No.	Action Item	Responsibility	Timeframe
1	Development and circulation of Stakeholder meeting minutes.	NMC	7/04/2014
2	Invite Hydro Tas to share any relevant information on Sth Esk River for consultant use .Invite Hydro's participation on Subcommittee	NMC	7/04/2014
3	Circulate out of session draft consultancy brief to sub-committee members for comment prior to meeting	NMC	30/4/2014
4	Establish Mill Dam sub committee to oversee development of Expression Of Interest for consultancy to provide expert technical assessment of Mill Dam erosion mitigation.	NMC	6/5/2014

River Bank Erosion Sth Esk Longford : Mill Dam Reserve Stakeholder Working Group Meeting Minutes.

Mill Dam Reserve Stakeholder Working Group Meeting: Monday 26th of May, commencing 1.00 pm at Northern Midlands Council Smith St Longford.

In Attendance:

Maree Bricknell – Northern Midlands Council (NMC) Acting General Manager

Amanda Locatelli – NRM North Tamar Estuary and Esk River - Coordinator

Hugh Mackinnon – Mill Dam Action Group Chair

Monique Case – NMC Natural Resource Management Facilitator

Michael Bidwell – Hydro Tas

Apologies:

Duncan Payton – NMC, David Dowine – NMC Councillor, Paul Wightman – JBS Swift

a) Welcome

Hugh Mackinnon welcomed participants and thanked all for their time and consideration with a special thanks to Amanda Locatelli for her endeavours of the further development of the brief for consultants for the technical assessment of the Mill Dam Reserve river reach.

b) Confirmation of previous minutes

Previous Minutes of the Mill Dam Reserve major stakeholder meeting of 01/04/2014 were tabled with the following amendment noted from Andrew Hargrave of Department of Infrastructure, Energy and Resources (DIER) :

"DIER will not be sitting on the subcommittee to assess proposals by consultants to study the Mill Dam and river bank scour. However DIER is prepared to make a limited financial contribution to assist with the project."

The minutes of 01/04/2014 were confirmed and accepted.

c) Review, amend and affirm consultants brief for Mill Dam Reserve study

The draft consultant's brief was reviewed with alterations to the following sections:

- 2.0 Current situation/Perceived issues and Problems
- 3.0 Project Scope and Objectives
- 3.3 Options Analysis Report

d) Agree the process for engaging consultant

It was agreed that a closed tender would be undertaken with all identified consultants to be invited to tender. Identified consultants: Pitt & Sherry, SEMF, GHD, Alluvium Consulting, AK Consulting, JMG & Entura.

e) Agree financial contributions and invoicing process

It was noted that DIER and NRM Nth have already indicated that they are willing to contribute financially to the technical assessments costs.

It was agreed that the major stakeholders would be asked to contribute equally to project costs and that Hydro Tasmania, TAS Rail, JBS Swift, NRM North, DIER and Northern Midlands Council would be approached to contribute to project costs. If all 6 stakeholders contribute, individual contributions would be approximately \$1,667.00

f) Any other items.

It was agreed that a communication plan for the project and project partners would be developed.

g) Next meeting & Agenda

It was agreed that the next working group meeting would be held to assess tenders.

h) Close:

Hugh Mackinnon (Chair) thanked all stakeholders for their time and contributions.

Meeting Closed: 1.45pm

Actions Arising:

No.	Action Item	Responsibility	Timeframe
1	Development and circulation to stakeholders of working group meeting minutes.	NMC	30/06/2014
2	Redraft of consultants brief and confirm with stakeholders.	NMC	30/06/2014
3	Hugh Mackinnon and Maree Bricknell to meet with Paul Wightman of JBS Swift	NMC	30/06/2014
4	Invite Hydro Tas , DIER and TAS Rail to share any relevant information on Sth Esk River for consultant use	NMC	30/06/2014
5	Formal request for financial contribution for assessment costs from outstanding stakeholders	NMC	30/06/2014
6	Development of Communications Plan to be developed after the consultants assessment has been received and next steps agreed.	NMC	

River Bank Erosion Sth Esk Longford : Mill Dam Reserve Stakeholder Working Group Meeting Minutes.

Mill Dam Reserve Stakeholder Working Group Meeting: Monday 18th of August 2014, commencing 2.30 pm at Northern Midlands Council Smith St Longford.

In Attendance:

David Downie – NMC Councillor

Hugh Mackinnon – Mill Dam Action Group Chair

Monique Case – NMC Natural Resource Management Facilitator

Apologies:

Des Jennings – Northern Midlands Council (NMC) General Manager

Amanda Locatelli – NRM North Tamar Estuary and Esk River - Coordinator

Duncan Payton – NMC, ,

Mark Kelly – JBS Swift

a) Welcome

Hugh Mackinnon welcomed the group.

It was noted that the working group meeting didn't have a quorum, thus all decisions are considered as recommendations requiring further consultation of the working group and stakeholders.

b) Confirmation of previous minutes

Confirmation of previous minutes of 26/05 postponed due to lack of quorum.

c) Review of consultants' expressions of interest for of Riverbank Erosion and Mitigation Options Analysis at Mill Dam Longford.

It was noted that a number of the briefs did not meet budget restraints.

Concern was expressed over the terms of reference of the assessment brief -that they were too broad and the cost of implementation of the any of the engineering options would be out of reach. However, no alternatives to current terms were put forward.

It was agreed that protecting infrastructure is a priority

Based on cost, suitability of project team, understanding of project requirements and track record two consultants of SEMF and JMG were shortlisted. It was mooted to request a preliminary meeting with consultants to refine terms of reference in collaboration with working group and consultants.

d) Agree the process for engaging consultant

This item was not discussed any further than as described in item **c**.

e) Next meeting & Agenda

It was agreed that confirmation of the recommendations made herein would be sought from a quorum of the working group and to be presented to stakeholders for confirmation.

f) Close:

Hugh Mackinnon (Chair) thanked all stakeholders for their time and contributions.

Meeting Closed: 3.45pm

Actions Arising:

No.	Action Item	Responsibility	Timeframe	Completed
1	Development and circulation to stakeholders of working group meeting minutes.	NMC	30/06/2014	27/06/2014
2	Redraft of consultants brief and confirm with stakeholders.	NMC	30/06/2014	27/06/2014
3	Hugh Mackinnon and Maree Bricknell to meet with Paul Wightman of JBS Swift	NMC	30/06/2014	NA
4	Invite Hydro Tas , DIER and TAS Rail to share any relevant information on Sth Esk River for consultant use	NMC	30/06/2014	incomplete
5	Formal request for financial contribution for assessment costs from outstanding stakeholders	NMC	30/06/2014	Drafted
6	Development of Communications Plan to be developed after the consultants assessment has been received and next steps agreed.	NMC		Drafted

River Bank Erosion Sth Esk Longford : Mill Dam Reserve Stakeholder Working Group Meeting Minutes.

Mill Dam Reserve Stakeholder Working Group Meeting: Monday 15 of September 2014, commencing 3.00 pm at Northern Midlands Council Smith St Longford.

In Attendance:

Amanda Locatelli – NRM North Tamar Estuary and Esk River - Coordinator
Duncan Payton – NMC, Planning & Development Department Manager
Des Jennings – Northern Midlands Council (NMC) General Manager
David Dowine – NMC Councillor
Monique Case – NMC Natural Resource Management Facilitator

Apologies:

Hugh Mackinnon – Mill Dam Action Group Chair
Mark Kelly – JBS Swift - Longford Plant Manager

a) Welcome

b) Confirmation of previous minutes

Confirmation of previous minutes of 26/05/2014 . The previous minutes were read out to the group and confirmed as a true and accurate record of the meeting.

c) Review of consultants expressions of interest for of Riverbank Erosion and Mitigation Options Analysis at Mill Dam Longford.

The shortlisted consultant's of JMG and SEMF were reviewed with JMG being the agreed to as the preferred consultant based on: costs, existing good working relationship with Northern Midlands Council and JMG's brief's indicating good time allocation to stakeholder collaboration as key to accessing preferred outcomes.

d) Agree the process for engaging consultant

It was agreed that the stakeholders of Hydro Tas, NRM North (TEER), Tas Rail, Department of State Growth, Northern Midlands Council and JBS Swift would be formally approached for equal financial contributions of \$2500.00 to cover the technical assessment costs via a partnership agreement.

e) Next meeting & Agenda

It was agreed that with approval from stakeholders for consultant selection and financial contributions finalised; that the successful consultant would be notified and initial session with stakeholders would be sought.

f) Close: Meeting Closed: 3.50pm

Actions Arising

No.	Action Item	Responsibility	Timeframe	Completed
7	Draft a letter of request to Stakeholders seeking contribution to technical assessment costs	NMC	19/09/2014	Draft sent to DJ & DP 16/09/2014
8	Draft up Partnership Agreement r for technical assessment financial contributions from stakeholders	NMC	19/09/2014	Mailed out: 26-09-2014
9	Draft up minutes to be disseminated to all stakeholders subsequent to working group member review.	NMC	19/09/2014	16-09-2014
10	Clarify with JMG stakeholder meeting time allocations and site visits as table 5&6 do not match up.	NMC	26/09/2014	Outstanding.
1	Development and circulation to stakeholders of working group meeting minutes.	NMC	30/06/2014	27/06/2014
2	Redraft of consultants brief and confirm with stakeholders.	NMC	30/06/2014	27/06/2014
3	Hugh Mackinnon and Maree Bricknell to meet with Paul Wightman of JBS Swift	NMC	30/06/2014	NA
4	Invite Hydro Tas , DIER and TAS Rail to share any relevant information on Sth Esk River for consultant use – This item is being covered via the partnership agreements being drafted for the financial contributions for the technical assessment	NMC	30/06/2014	incomplete
5	Formal request for financial contribution for assessment costs from outstanding stakeholders	NMC	30/06/2014	Drafted
6	Development of Communications Plan to be developed after the consultants assessment has been received and next steps agreed.	NMC		Drafted



Minutes: Mill Dam Major Stakeholder Group – JMG Meeting (1)

Monday 2nd of February 2015

Commencing at 10.30 am Northern Midlands Council Chambers 13

Smith St Longford

Attendance:

David Downie (Northern Midlands Council (NMC) Mayor), Hugh Mackinnon (Mill Dam Action Group Chairman), Amanda Locatelli (NRM Nth TEER), Tori Harvey (State Growth Environment & Development Approvals Planning & Design), Carmel Parker (JMG. Snr Environmental Scientist), Steven Ratcliffe (JMG. Environmental Hydrologist) Jim Caulfield (Marine and Safety Tasmania agency, Facilities Project Officer), Des Jennings (NMC, GM), Duncan Payton (NMC Planning and Development (P&D)), Vernon Hawes (Tas Rail, Track Engineer), Monique Case (NMC, P&D).

Greg Carson Hydro Tasmania joined via teleconference at 11.10 am.

Apologies:

Mark Kelly (JBS, Swift Longford Operations Manager)

Welcome/Introductions:

The Chairman asked the Mayor to address the meeting.

1. Group review of Project Brief:

- 1.1. The group *confirmed* the desire of a pragmatic user- friendly document, within budget. With budget identified as likely constraint for large scale hard engineering.

- 1.2. The group reaffirmed the study area and project outcomes as outlined in the brief.
- 1.3. Discussion was had regarding the merit of investigating upstream influences on the erosion at Mill Dam, it was agreed that whilst these influences (eg. Hydro operations or re-reg pond) should be considered in the report to provide Council advice on possible causes/influences on erosion, a detailed investigation would not be possible within the project scope and budget available.
- 1.4. The group *reaffirmed* the need for maintenance requirement for new works to be included in report.
- 1.5. State Growth indicated that the Department may contribute financially to the agreed preferred option but that approval would need to be sought via Martin Blake (Asset Manager).
- 1.6. Upcoming funding opportunities include the announcement in May 2015 of Tamar Estuary and Esk Rivers Program's riverbank erosion grants guidelines.
- 1.7 Document house-keeping: The various areas of interest (ie. the hotspots) are referred to slightly inconsistently in the brief and it would be good if the same terminology is used. For example, in section 3.3 they are referred to as "sites 1, 2 and 3 (refer Map1)" yet on the map are called "Hot Spot – Rail Bridge", "Hot Spot - Road Bridge", etc.

Hydro suggested and it was *agreed* that:

- better definition of hotspots;

- confirming the social values to determine how much money should be spent on the solution;
- confirming the scope of project;
- *agreed* that hotspots and physical scope of project needed clarification;
- It was *agreed* that clarification would be sought on the areas values, and amenity infrastructure to contribute to cost benefit considerations.

2. Brief Amendments:

2.1. It was *agreed* that evidence regarding wave wash erosion impacts from boats and jet skis; would be included in the report.

2.2. It was *agreed* that the risk assessment as discussed in section 3.5 of the brief; will include risk assessment to up-stream, downstream and opposite banks of proposed options.

2.3. Functional importance of weir to be included in the report.

3. Further information:

3.1. Hydro Tas, Tas Rail, State Growth, Council and NRM Nth have *agreed* to share available relevant data-sets and are open to further information requests from consultants.

3.2. The Mill Dam Assessment will benefit from data-sets that will become available from a con-current Flood Modelling project that will enable access to current bathymetry, photogrammetric, LIDAR contour data sets at no extra cost to this project.

4. Stakeholder Views on Stabilisation Methods:

4.1. It was *agreed* that any preferred option would aim to enhance infrastructure life span and not impact negatively on existing infrastructure asset maintenance.

5. Timeframes:

A preliminary view on timeframes was agreed

- LIDAR, photometry data available by 28 Feb
- Options due by 30 March
- Presentation to the Committee by 15 April
- Draft report by 30 April (open for comment – 2 weeks)
- Comments by 15 May
- Final Report by 22 May

6. Group site visit with consultant:

The majority of the group moved onto site at Union St to observe existing works and further discuss stabilisation methods.

6.1. Preferred option will aim to support stream bank and flood plain resilience by applying a combination of complementary techniques to reduce vulnerability to high flow events and contribute to the improvement of water quality and ecosystem health in the long term.

6.2. The Chairman asked A Locatelli to brief the meeting on *Salix fragilis* and Weeds of National Significance (WoNs); it being noted that *Salix* species are remarkably fast growing, prolific and successfully mitigate against bank erosion. Currently *Salix fragilis* is a listed WoNs and is a declared weed under the *Weed Management Act 1999*. *Salix* also raises a number of concerns for river health.

Other non-indigenous species such as Alders, Poplars and Mutsudarria(?) discussed. A Locatelli stated that the Federal Government fund would not be used for non-indigenous species.

6.3 The Swift use of their land for seasonal running of large numbers of sheep was discussed.

6.3 Rip rap under rail bridge appears successful to date.

6.4 The benefits of maintaining the weir to prevent mobilisation of the stream bed was discussed.

Close:

Meeting closed on site at 12.30 pm.



Minutes: Mill Dam Major Stakeholder Group – JMG Meeting (2)

Wednesday 1st of April 2015

Commencing at 11:15 am Northern Midlands Council Chambers 13 Smith
St Longford

Attendance: David Downie (Northern Midlands Council (NMC) Mayor), Hugh Mackinnon (Mill Dam Action Group Chairman), Amanda Locatelli (NRM Nth TEER), Carmel Parker (JMG. Snr Environmental Scientist), Steven Ratcliffe (JMG. Environmental Hydrologist), Duncan Payton (NMC Planning and Development (P&D)), Mark Kelly (JBS Swift Plant Manager, Monique Case (NMC, P&D).

Apologies: Tori Harvey (State Growth Environment & Development Approvals Planning & Design), Jim Caulfield (Marine and Safety Tasmania agency, Facilities Project Officer), Des Jennings (NMC, GM), Vernon Hawes (Tas Rail, Track Engineer),

Welcome and introductions Hugh MackKinnon Mill Dam Action Group

1. Report Presentation:

1.1 Steven Ratcliffe with Carmel Parker presented to the group, via PowerPoint, their major findings from site and desktop analysis.

The presentation included the recommended works for bank, flood plain and infrastructure stability, works locations with a brief outline of their requirements for the group's consideration. Recommended works include:

- ◆ Stabilisation of BOM infrastructure
- ◆ Monitoring and maintenance of existing rip rap
- ◆ Monitoring and maintenance of Weir integrity
- ◆ Extend bank revegetation works along feasible stretches of bank
- ◆ Rip Rap at high pressure site between bridges on western bank
- ◆ Strategic Willow removal from eastern bank and island under road bridge.
- ◆ Maintenance and extension of Willow removal

2. Comments on Presentation:

2.1 Willow removal is expensive

- ◆ Previous agreements (WRT: Mountford and willow removal – (rail ?, Tas Water ?))
- ◆ Maintenance is on-going, long term issue given the upstream willow loads

2.2 New works must not constrain or damage the channel.

2.3 Stakeholders generally supported the report

2.4 The possibility of alternatives to rip rap rock between bridges was discussed. Steven Ratcliffe of JMG advised that rip rap incorporated with appropriate native revegetation was the most durable material and construction method in the face of such forces as demonstrated in the river section between the bridges.

Group *reaffirmed* the need for some indication of costings (particularly around rip rap)

2.5 H.M raised previous (post 2011 flood event) discussions with State Government regarding downstream willow and Log jam removal.

2.6 JMG

- ◆ JMG indicated more work on the report is required with missing section regarding natural values and vegetation
- ◆ Final draft in 3-4 weeks from today (29/4/15)
- ◆ Updating report to:
 - To incorporate today's comments – including willow removal in overall site plan rather than separate imagery, cheat sheet for rip rap monitoring, etc.
 - Missing parts (vegetation, nva) included, as raised by JMG
 - Outline priorities more clearly

3.0 Other Business

3.1 The NRM Nth TEER Sediment and Erosion grants open 4/5 and close 15/6, which the group can apply to, to progress report recommendations. It is important to note that as a local govt/industry applicant t

Post Script:

A copy of the Guidelines for the Grants is attached and all the details for

Sediment and Erosion Grants can also be found at:

<http://www.nrmnorth.org.au/riverbank-erosion-grants>

- 3.2 Need to define common goals and agency collaboration opportunities for recommended actions.

- 3.3 Green Army team availability for site raised, informed group of proposed team presence at Mill Dam on Swift land during up-coming months to work on revegetation maintenance and enhancement and weed control.

Hugh Mackinnon of Mill Dam Action group indicated that if the Green Army works wished to include Council land then liaison with the Mill Dam Action Group is appropriate.

Actions Arising:

- 4.0 It was *agreed* that the Mill Dam report be shared with the Flood Warning Consultative Committee to seek BOM's support and collaboration WRT: recommended works associated with BOM infrastructure.

Close 12:45pm